



SURGICAL INSTRUMENTS CATALOGUE

Professional Instrument Reference Catalogue

AURA SURGICARE

www.aurasurgicare.com



ABOUT AURA SURGICARE

Precision surgical instrument solutions for professional healthcare environments.

Company Profile

AURA Surgicare presents a broad surgical instrument catalogue covering general surgery and multiple specialist disciplines. This edition is organized to make instrument families, patterns, sizes and catalogue references easier to review.

Catalogue Purpose

This catalogue is intended as a product reference and enquiry tool. Final technical specifications, material requirements, finish, packaging and market-specific documentation should be confirmed before supply.

MANUFACTURING & WORKMANSHIP

A consistent focus on instrument form, finish, function and inspection.

Product Workmanship

Instrument selection and production requirements may vary by pattern and intended application. Dimensional details and configurations should be confirmed against the final approved order specification.

Inspection Focus

Typical inspection considerations include alignment, jaw action, ratchet engagement, cutting performance where applicable, surface finish and dimensional conformity.



QUALITY & PRODUCT CONFIRMATION

Clear specification review before clinical supply.

Specification Control

Catalogue illustrations and reference information support product selection. Buyers should confirm required size, pattern, finish, packaging, reprocessing compatibility and any applicable regulatory documentation.

Quality Approach

AURA Surgicare emphasizes clear order confirmation, traceable product references and inspection requirements appropriate to the selected instrument family.



ORDERING INFORMATION

Use catalogue references to prepare an accurate enquiry.

How to Enquire

Quote the catalogue reference, instrument name, required size, quantity and any special configuration. For custom or market-specific requirements, include the relevant technical details with the enquiry.

Contact

Website: www.aurasurgicare.com | Email: info@aurasurgicare.com


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

07



Page 131 - 147

Dissecting and Tissue Forceps

08



Page 148 - 156

Obstetrics
Tracheotomy

09



Page 157 - 185

Haemostatic Forceps

10



Page 186 - 222

Ent Surgery

11



Page 223 - 241

Elevators
Bone Levers
Raspatories
Bone Files
Bone Curettes

12



Page 242

Trocars



13

Vaginal Specula

Page 243 - 253



14

Wound Retractors

Page 254 - 288



15

Dilators
Biopsy 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 Bladder, Liver and Spleen Instruments
Genito Urinary Instruments

Page 396 - 406

19



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

Page 407 - 463

20



Page 464 - 470

Plaster Instruments

21



Page 471 - 499

NeuroSurgery
Laminectomy

22



Page 500 - 534

Abdominal Surgery
Intestinal and Rectal Instruments

23



Page 535 - 551

Micro Instruments

24



Page 552 - 564

Suction Instruments

Page 1-21

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





AS-01-101
TROEMNER
245 mm



AS-01-102
DEJERINE
200 mm



AS-01-103
DEJERINE
With Needle
210 mm



AS-01-104
TAYLOR
195 mm



AS-01-105
BERLINER
200 mm



AS-01-106
BUCK
With Needle
And Brush
180 mm



AS-01-107
RABINER
With Needle
And Brush
255 mm



AS-01-108
ALY
190 mm



AS-01-109
WARTENBERG
Pinwheel For
Neurological
Examination
185 mm



AS-01-110
HARTMANN
150 mm



72 X 24 mm



AS-01-111
TOBOLD
150 mm



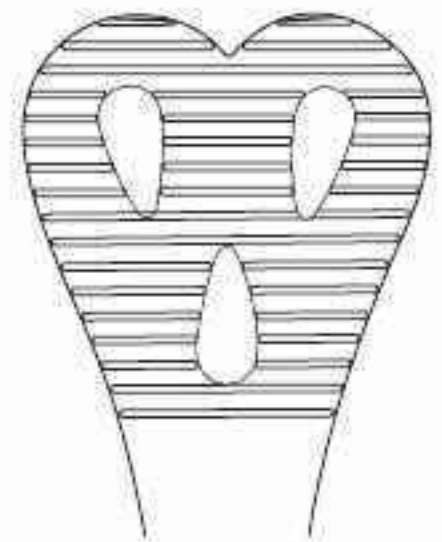
83 X 25 mm



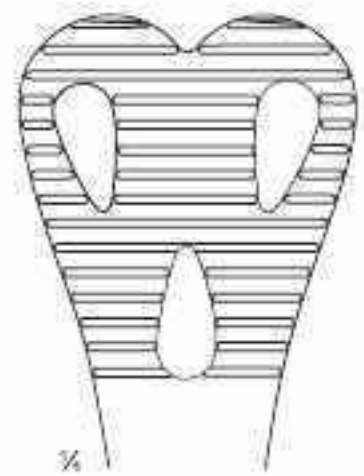
AS-01-112
TOBOLD
160 mm



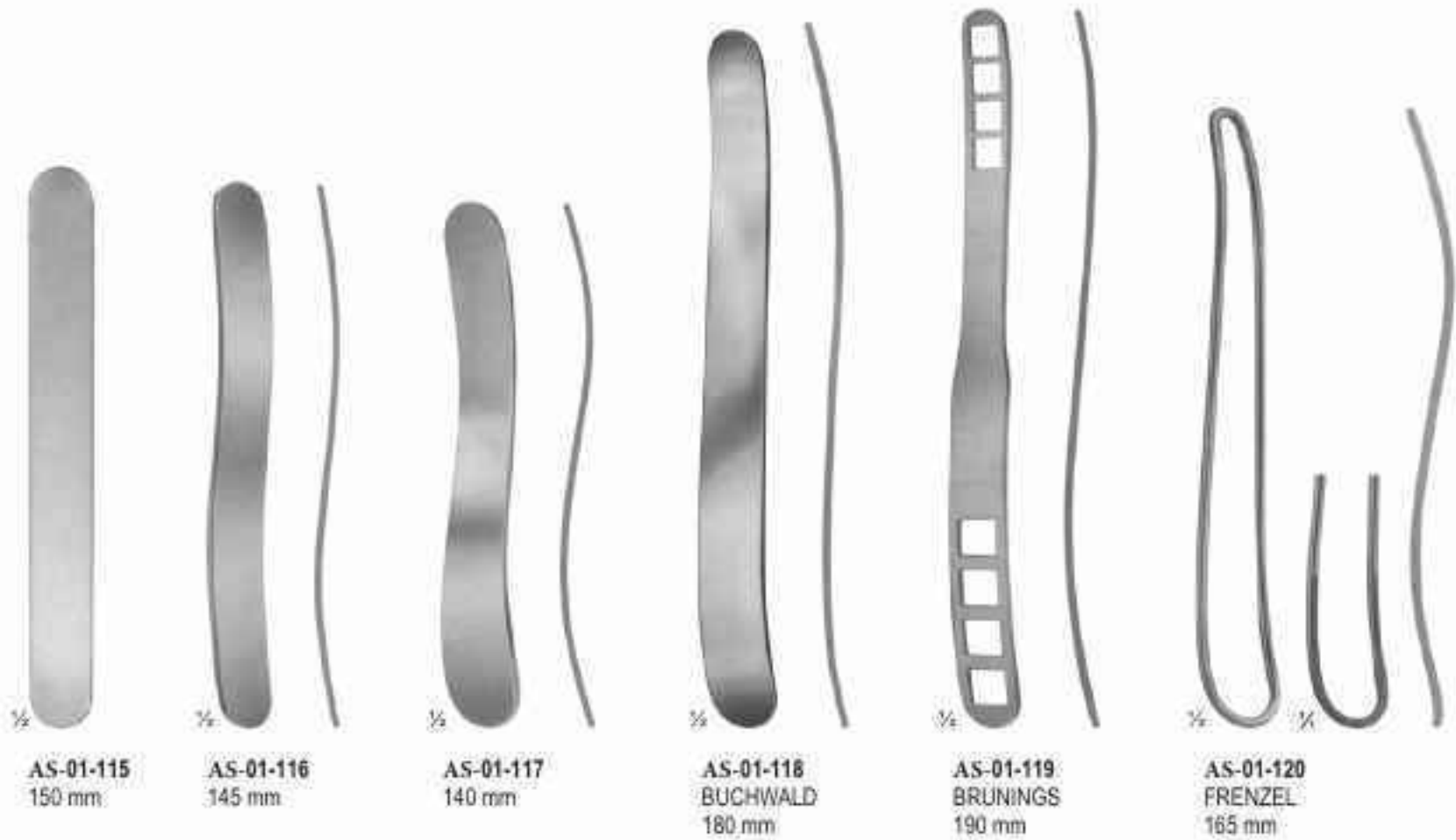
AS-01-113 -
AS-01-114
WIEDER



AS-01-113
15 cm
43 mm



AS-01-114
140 mm
36 mm





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



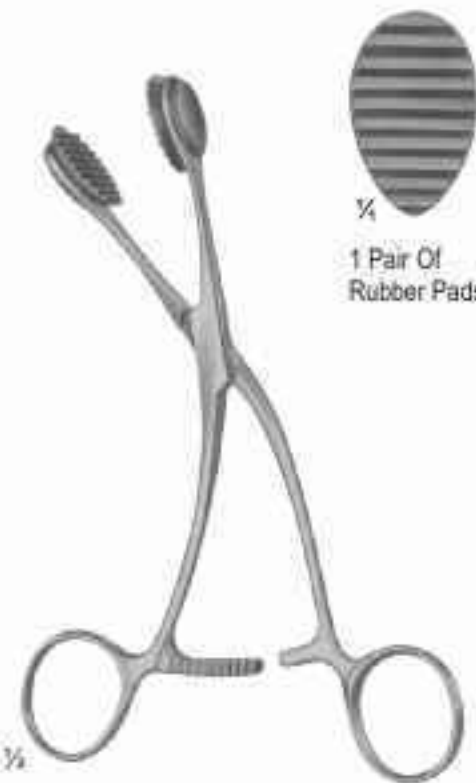
AS-01-127
FERGUSON-ACKLAND
Mouth Gag
Size: 145 mm



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



1 Pair Of
Rubber Pads



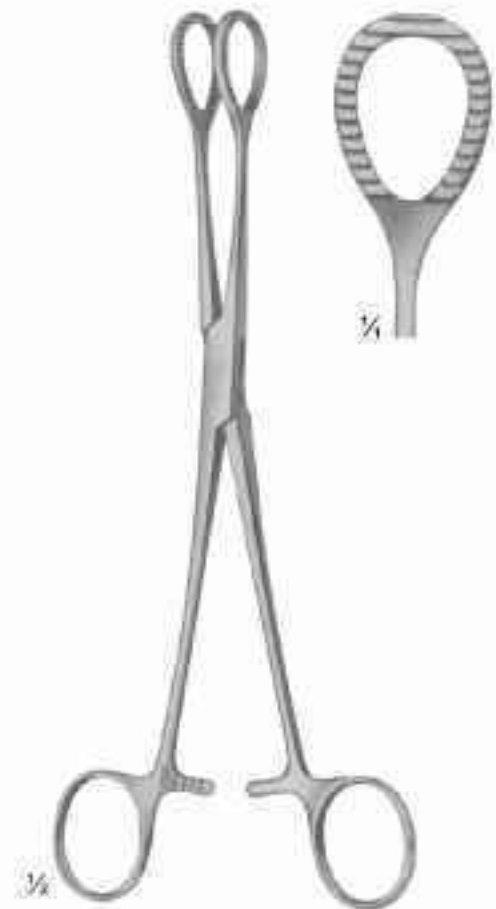
AS-01-131
COLLIN
160 mm, 170 mm



160 mm



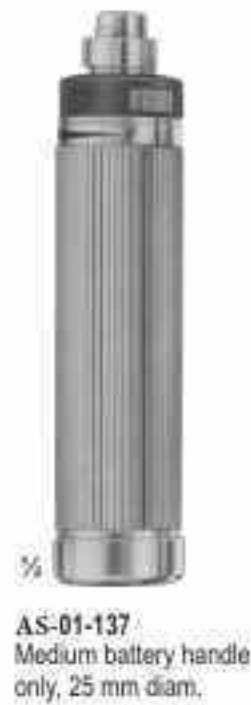
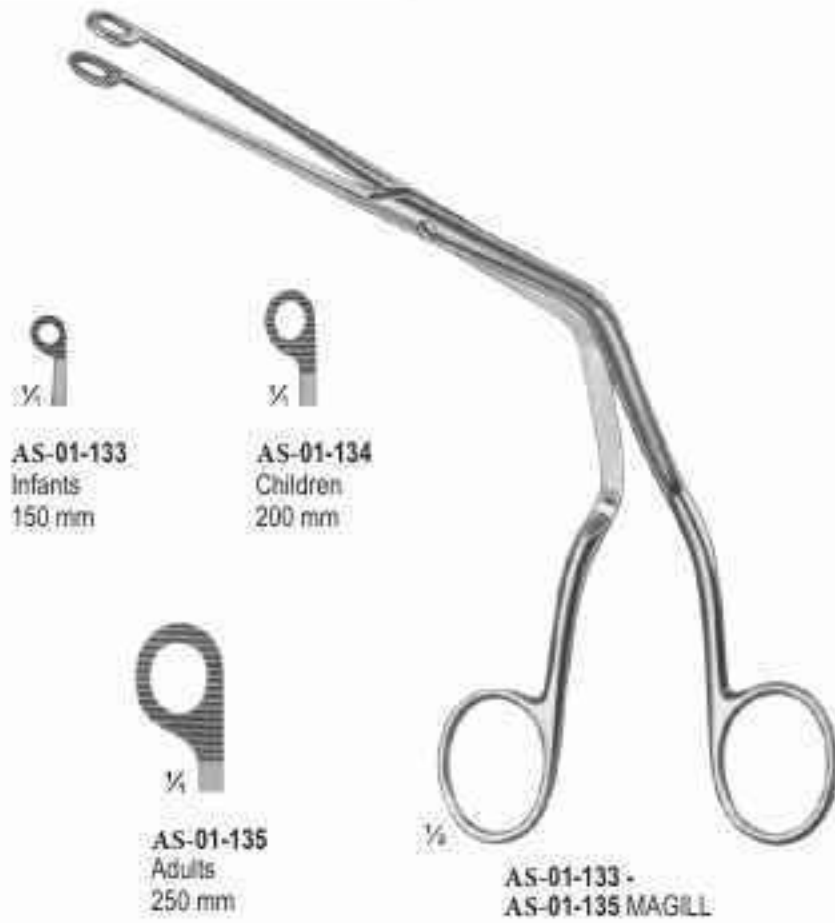
170 mm



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



215 mm





**AS-01-142
MILLER**
Laryngoscope Set, Consists Of Battery Handle
(Without Battery) With Four Miller
Laryngoscope Blades



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)



**AS-01-143
GUEDEL-NEGUS**
Laryngoscope Set, Consists Of Battery Handle
(Without Battery) With Four Miller
Laryngoscope Blades

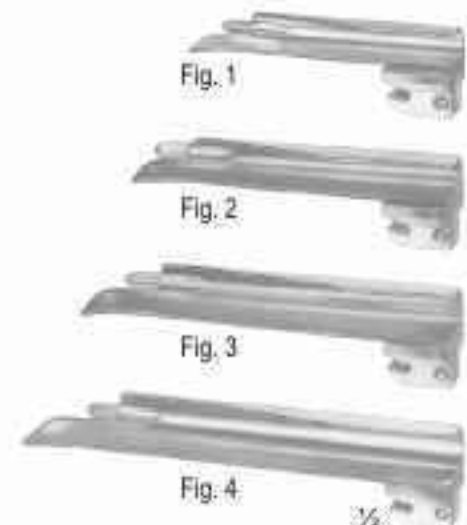


Fig. 1 Working Length, 70 mm (Children's)
Fig. 2 Working Length, 90 mm (Adolescent's)
Fig. 3 Working Length, 110 mm (Women's)
Fig. 4 Working Length, 135 mm (Men's)



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

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

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



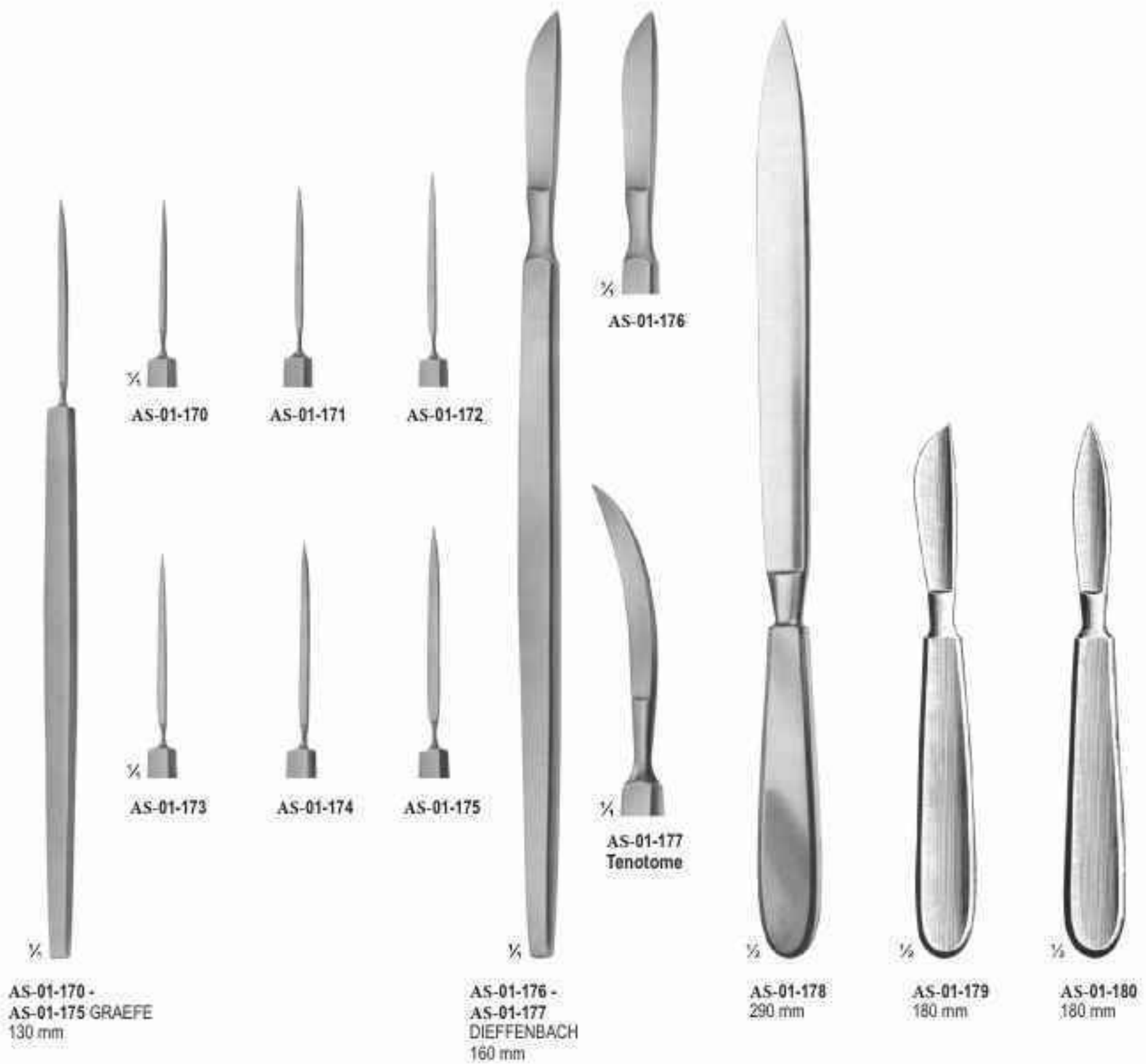
AS-01-167
Fig. 8

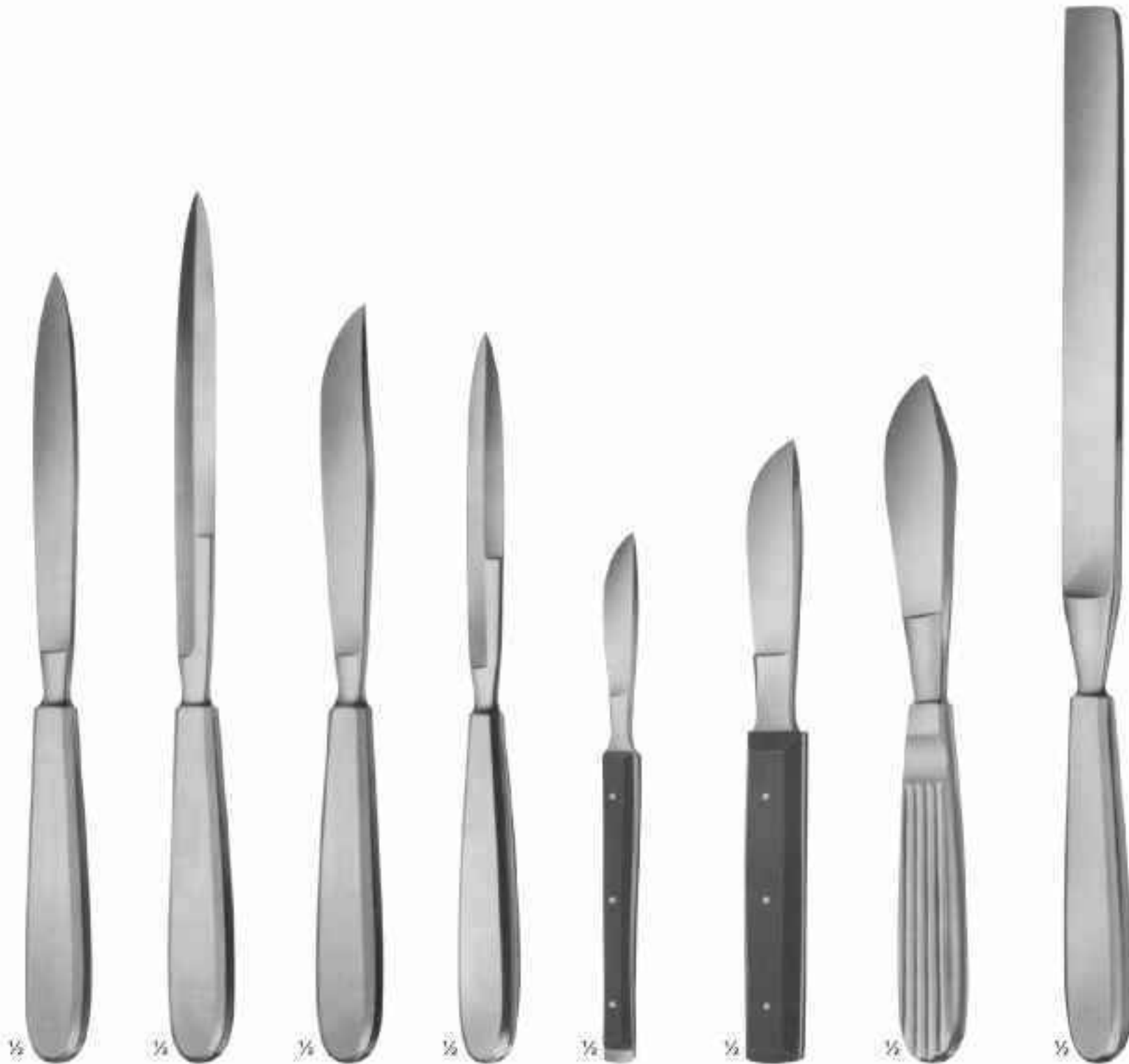


AS-01-168
Fig. 9



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

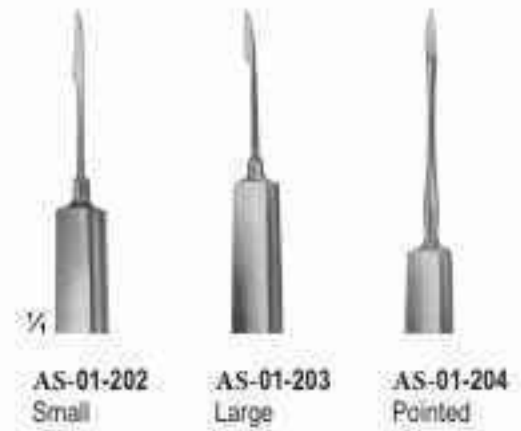
AS-01-195
OLIVECRONA
205 mm
Trigeminal
Knife

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



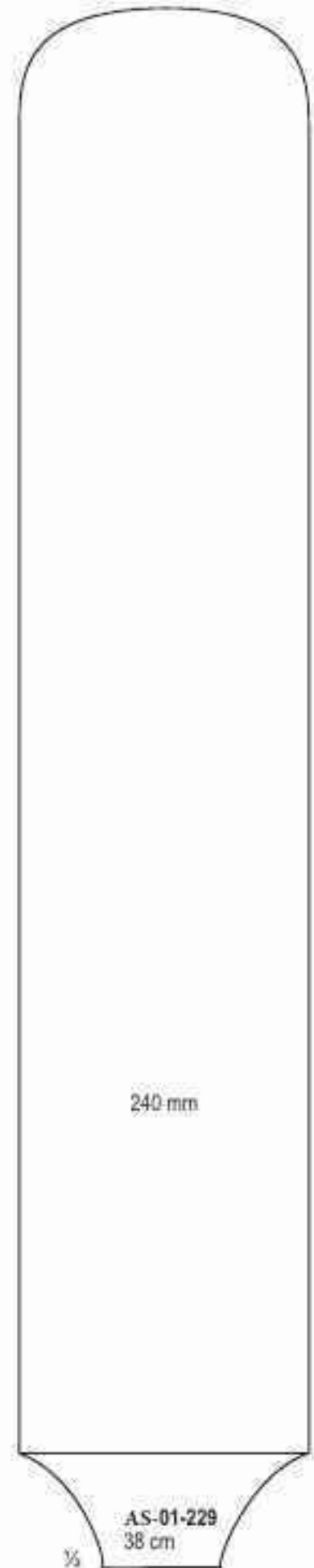
AS-01-225
25.5 cm



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



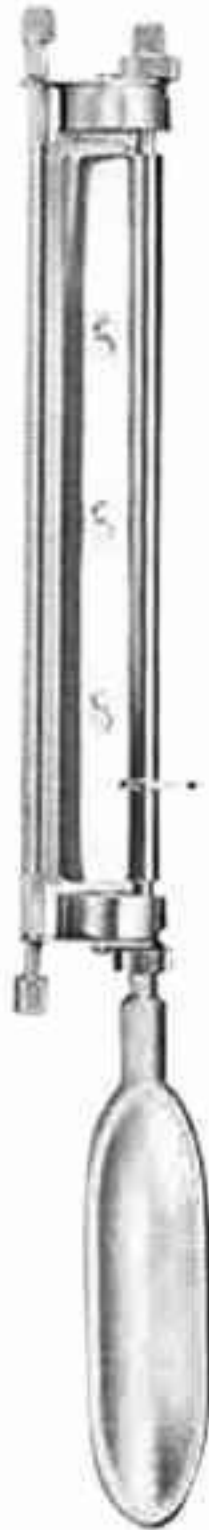
AS-140
COBBETT



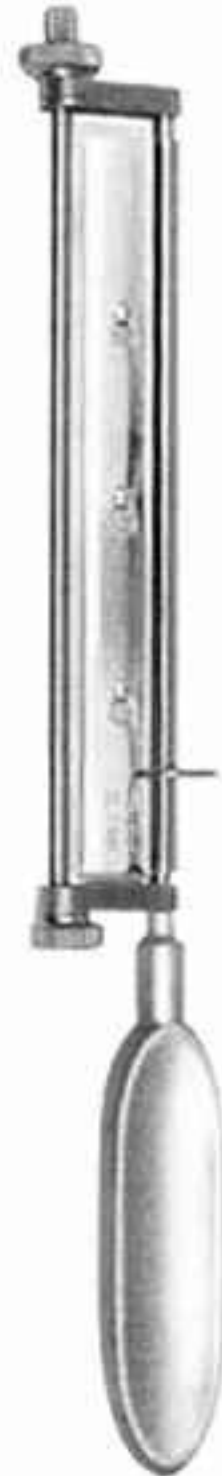
AS-141
BRAITHWATTE



Spare Blade



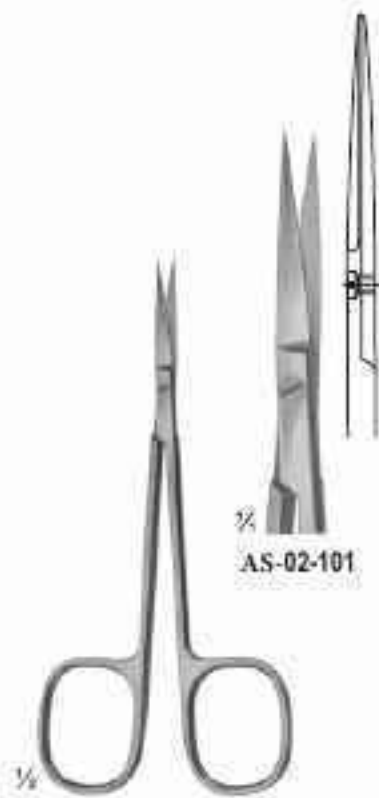
AS-142
HUMBY
35 cm



AS-143
WATSON
30 cm

Page
22-70

▪ Scissors

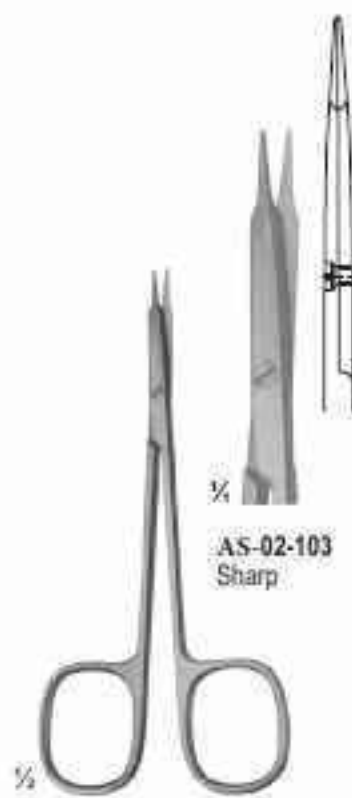


AS-02-101



AS-02-102

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



AS-02-103
Sharp



AS-02-104
Sharp

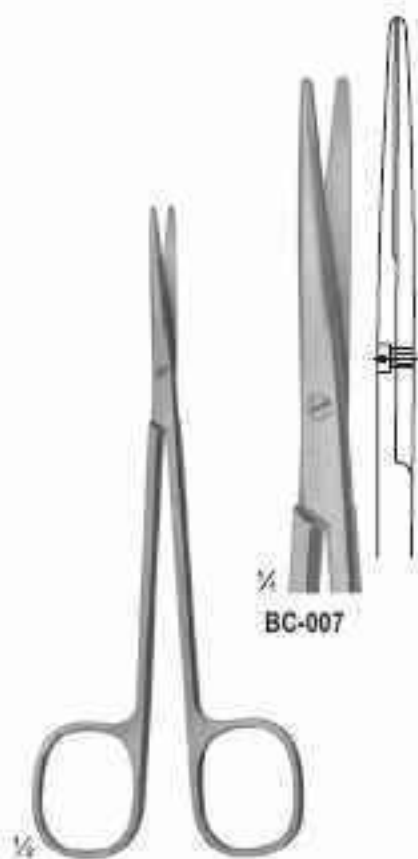


AS-02-105
Blunt



AS-02-106
Blunt

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

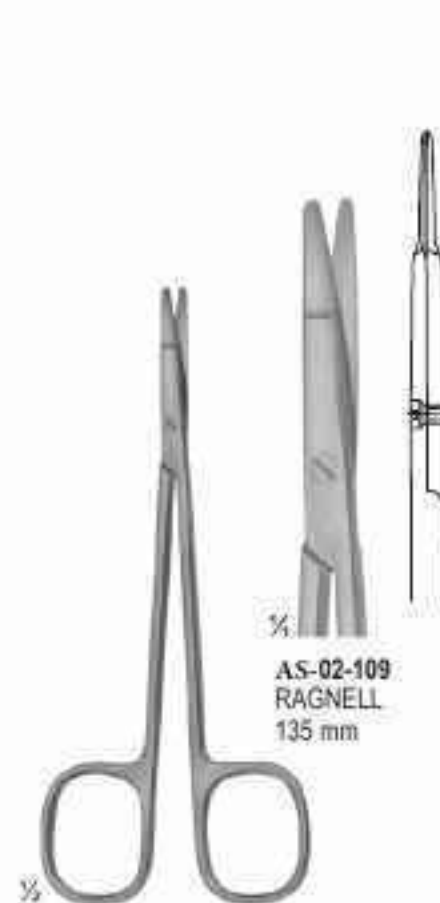


BC-007



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

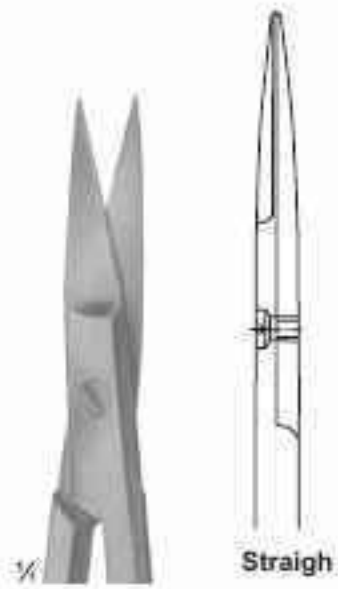


AS-02-111
150 mm

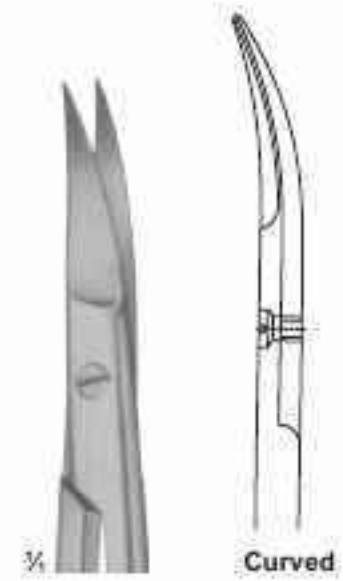
AS-02-109 -
AS-02-111 Special
flat points for
dissecting and
undermining the skin
145 mm



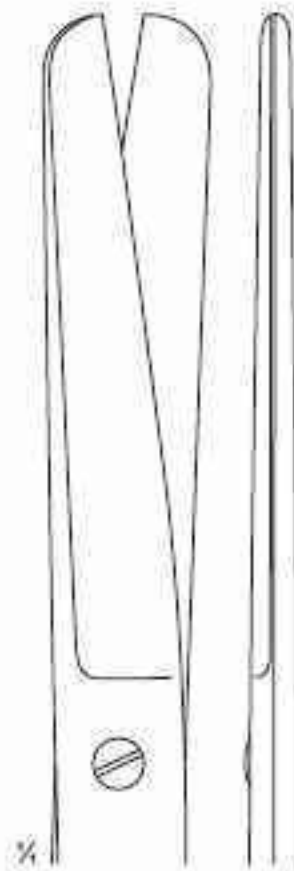
KELLY
AS-02-112
175 mm



KELLY
AS-02-113
175 mm

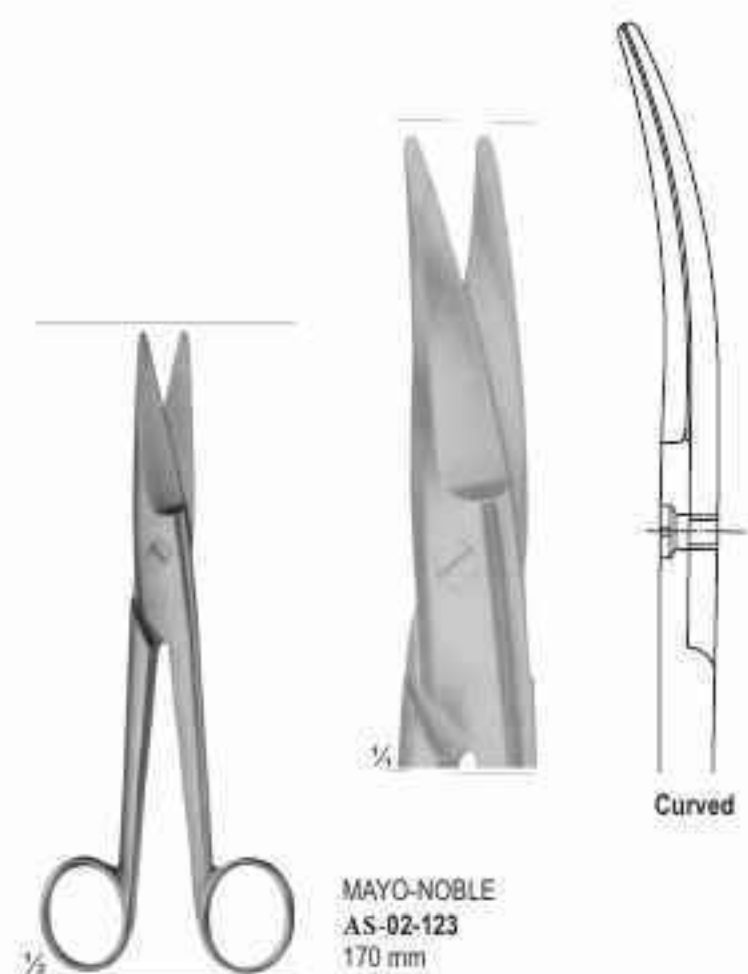
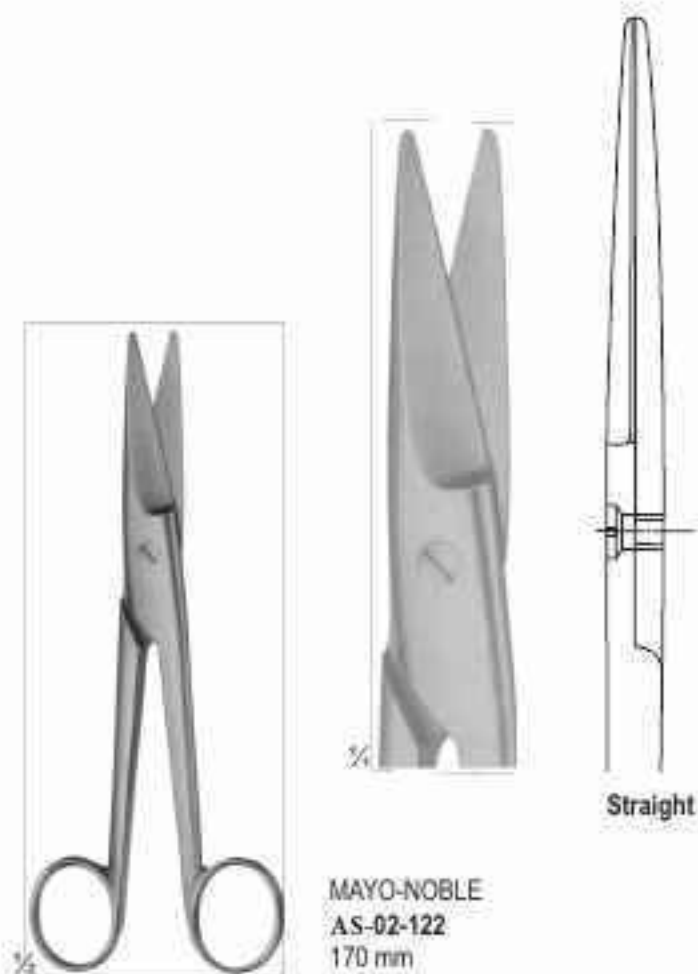
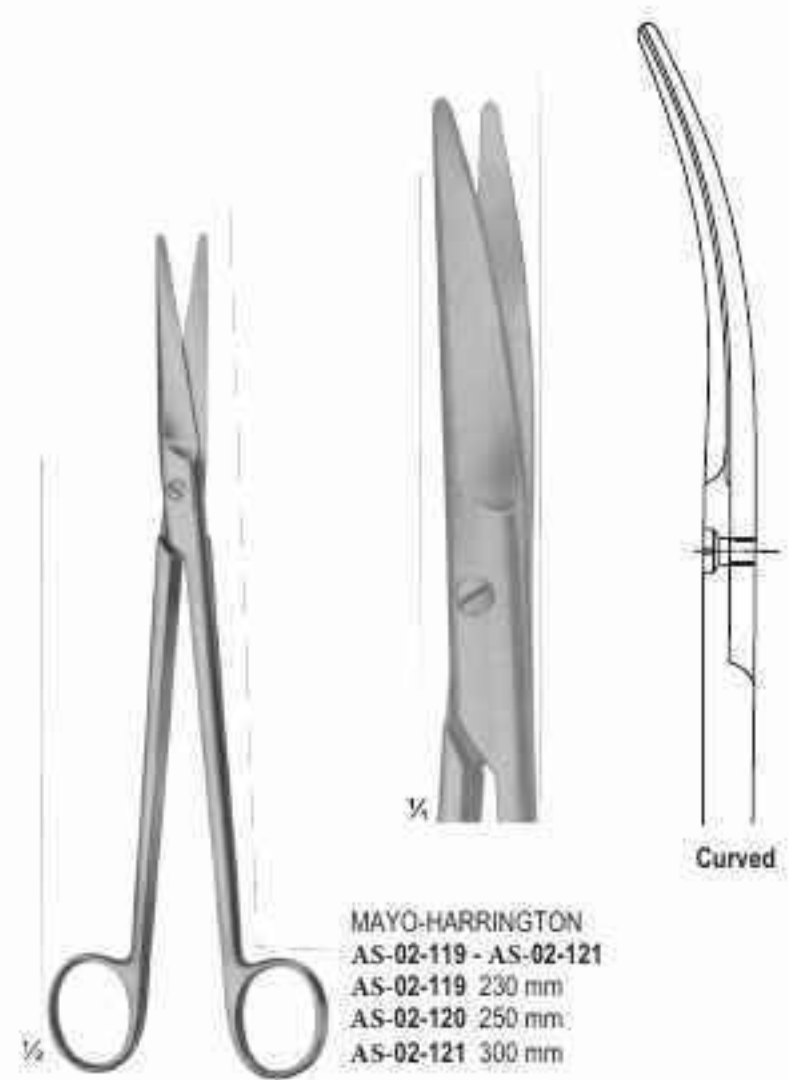
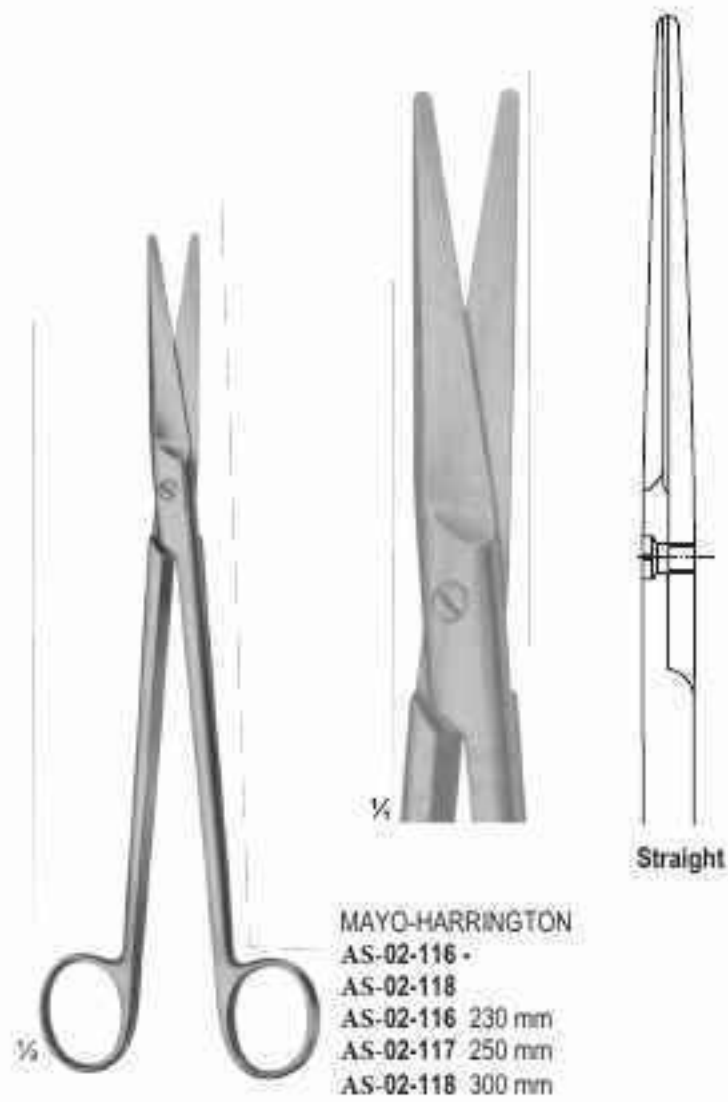


DOYEN
AS-02-114
185 mm



DOYEN
AS-02-115
185 mm







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



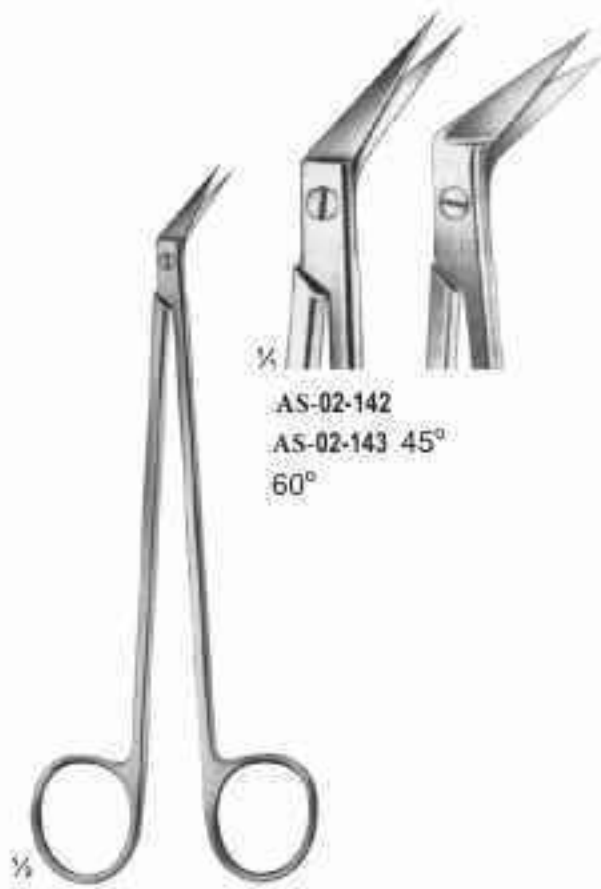
WERTHEIM
AS-02-127 - AS-02-129
AS-02-127 145 mm
AS-02-128 200 mm
AS-02-129 230 mm



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

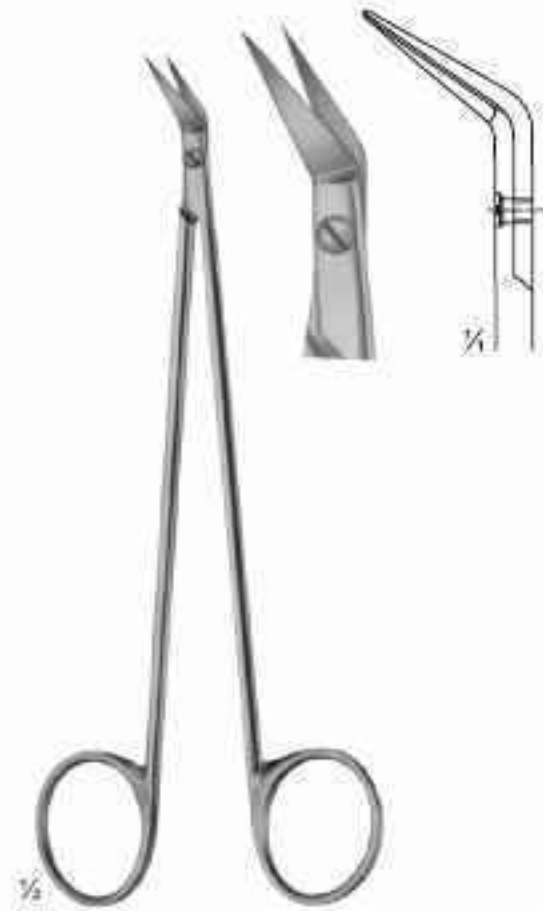


FINO-METZENBAUM
AS-02-136 - AS-02-141
AS-02-136 180 mm
AS-02-137 200 mm
AS-02-138 230 mm
AS-02-139 260 mm
AS-02-140 280 mm
AS-02-141 300 mm

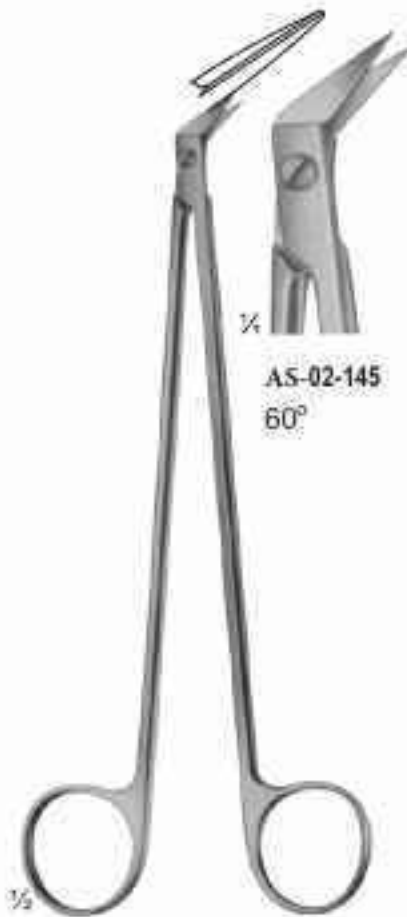


AS-02-142
AS-02-143 45°
60°

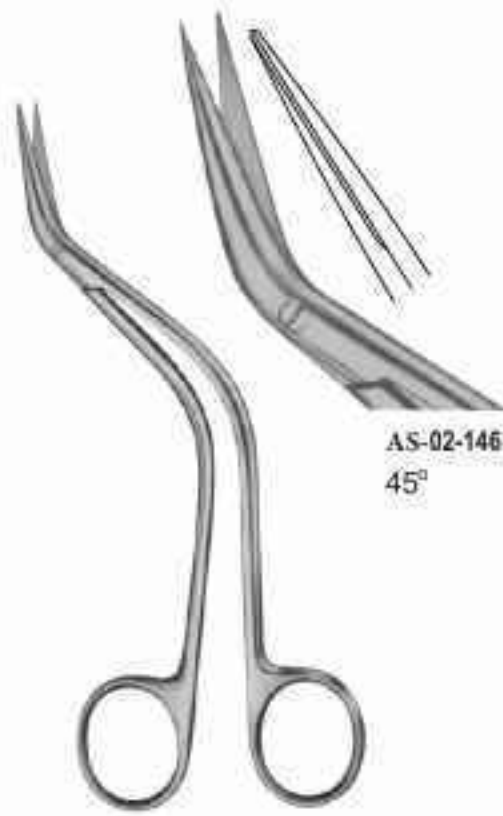
AS-02-142 -
AS-02-143 DE
BAKEY 155 mm



AS-02-144
POTTS-SMITH
180 mm



AS-02-145
POTTS-SMITH
180 mm



AS-02-146
DEBAKEY
155 mm



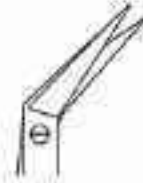
AS-02-147
FAVOLORO
140 mm



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°



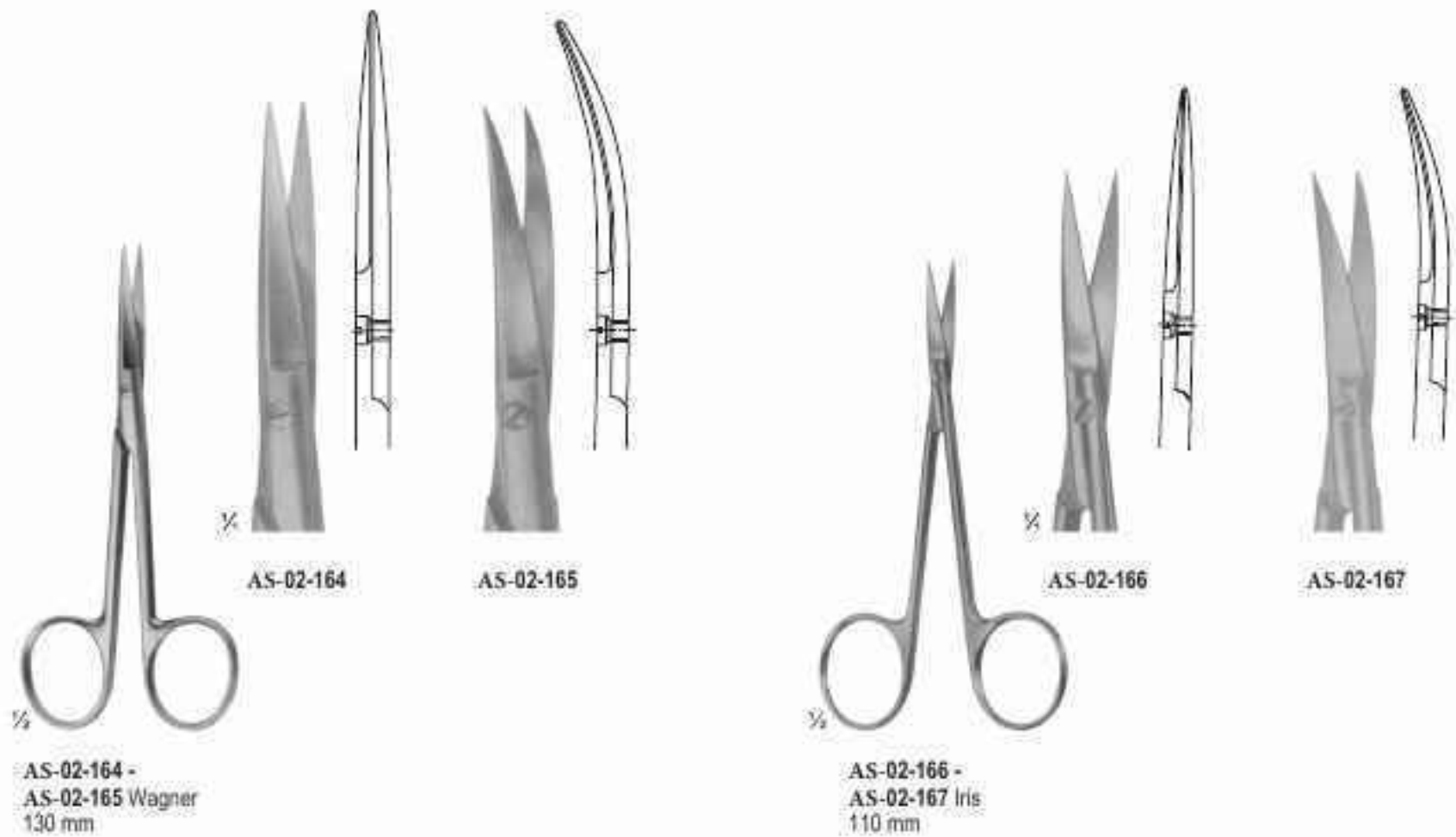
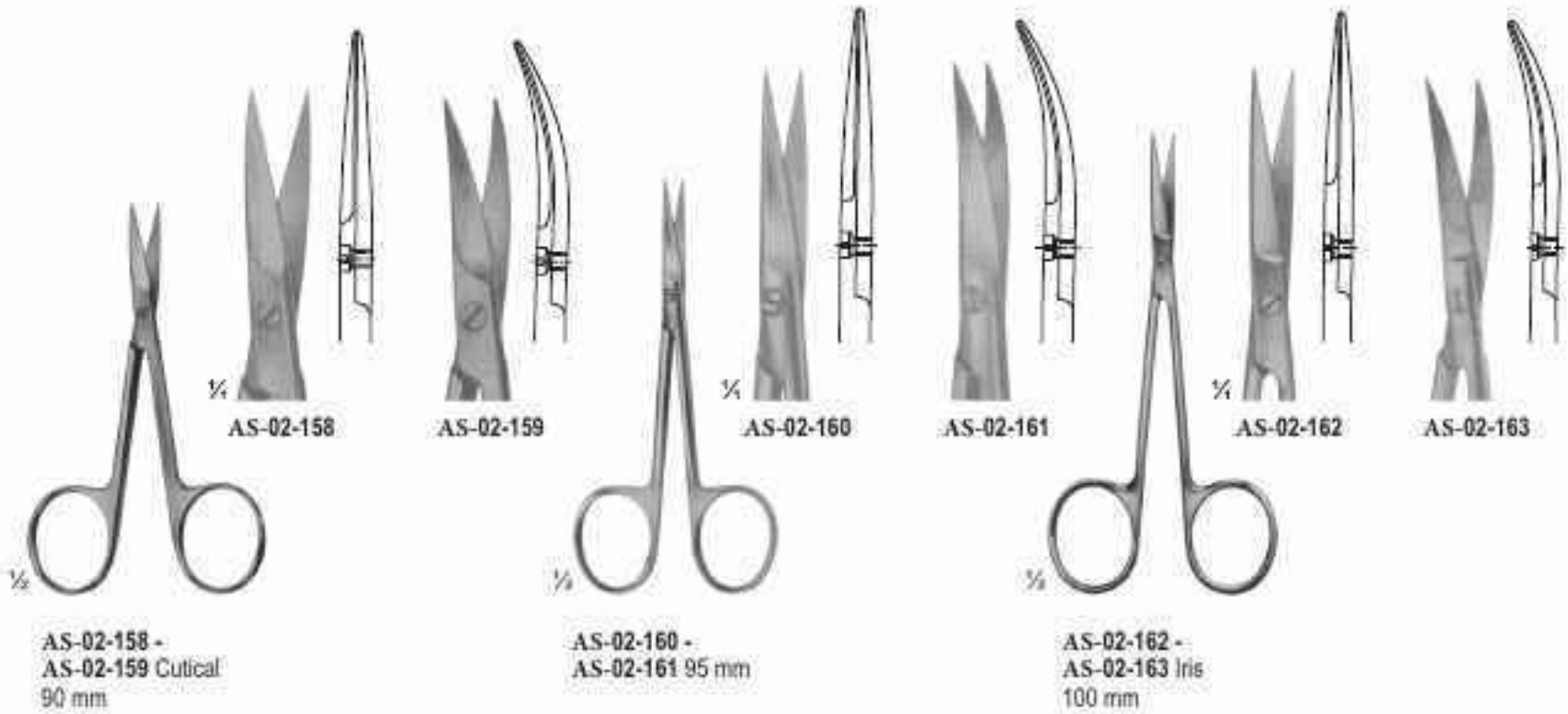
AS-02-155
60°



AS-02-156
90°



AS-02-157
120°





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



AS-02-168



AS-02-169



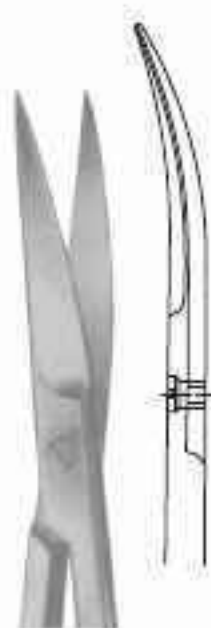
AS-02-170



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



AS-02-171



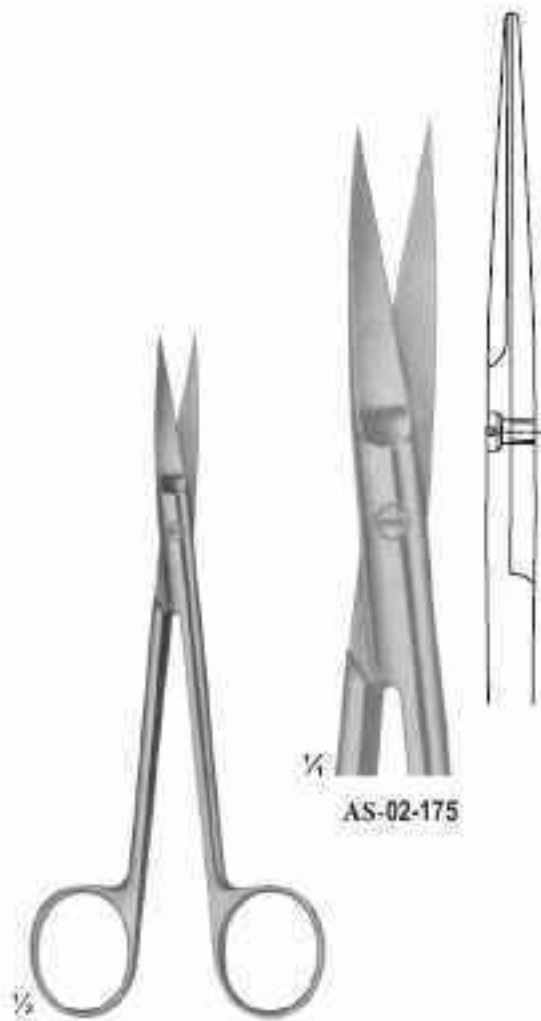
AS-02-172



AS-02-173



AS-02-174



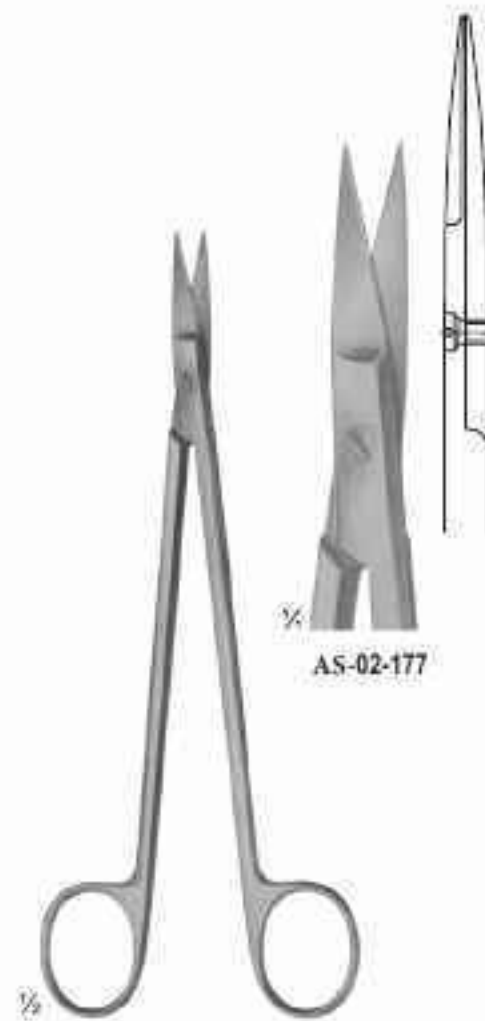
AS-02-175 -
AS-02-176 JOSEPH
150 mm



AS-02-175



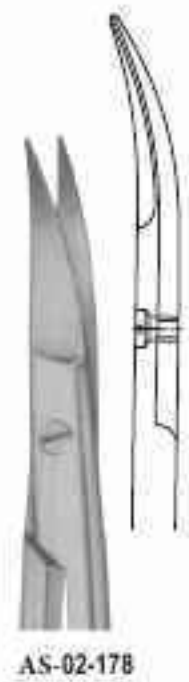
AS-02-176



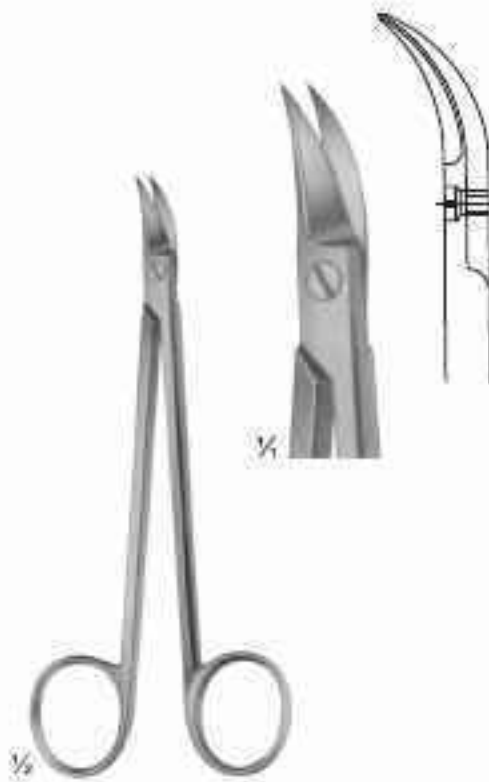
AS-02-177 -
AS-02-178 KELLY
175 mm



AS-02-177



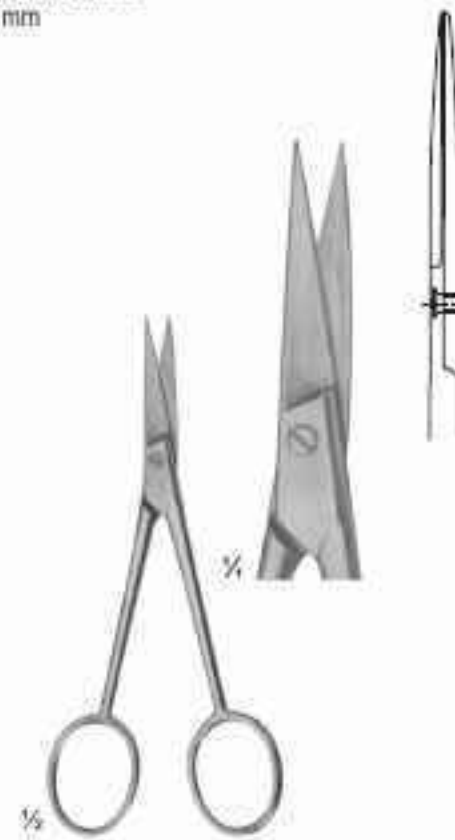
AS-02-178



AS-02-179
QUINBY
130 mm



AS-02-179



AS-02-180
Dissecting
110 mm



AS-02-180



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



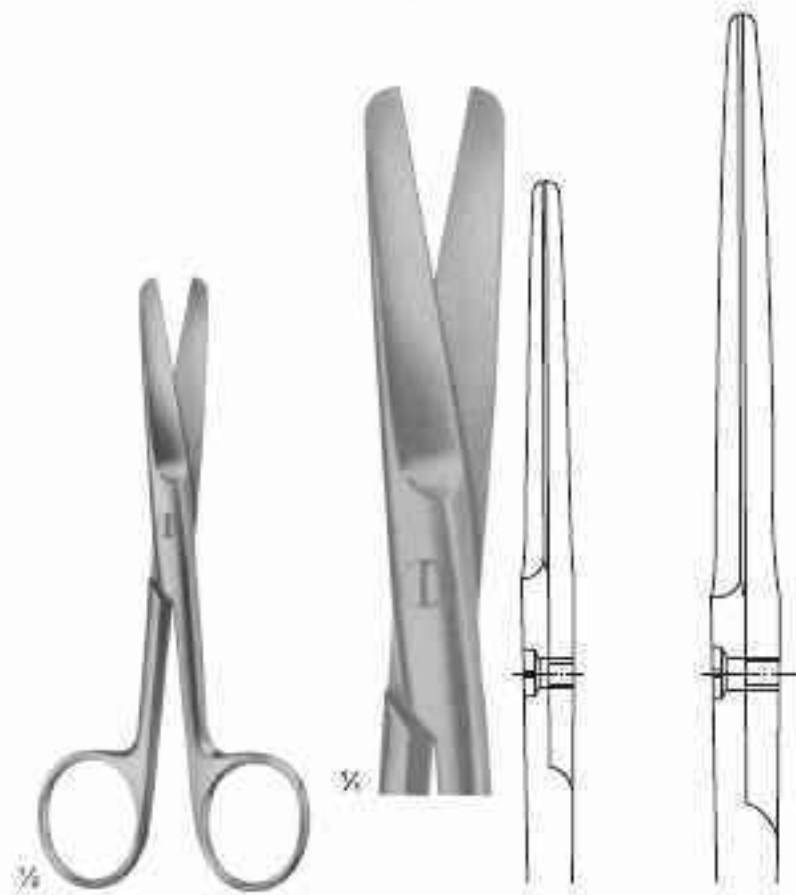
AS-02-190 - AS-02-195 (Standard Types)

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

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

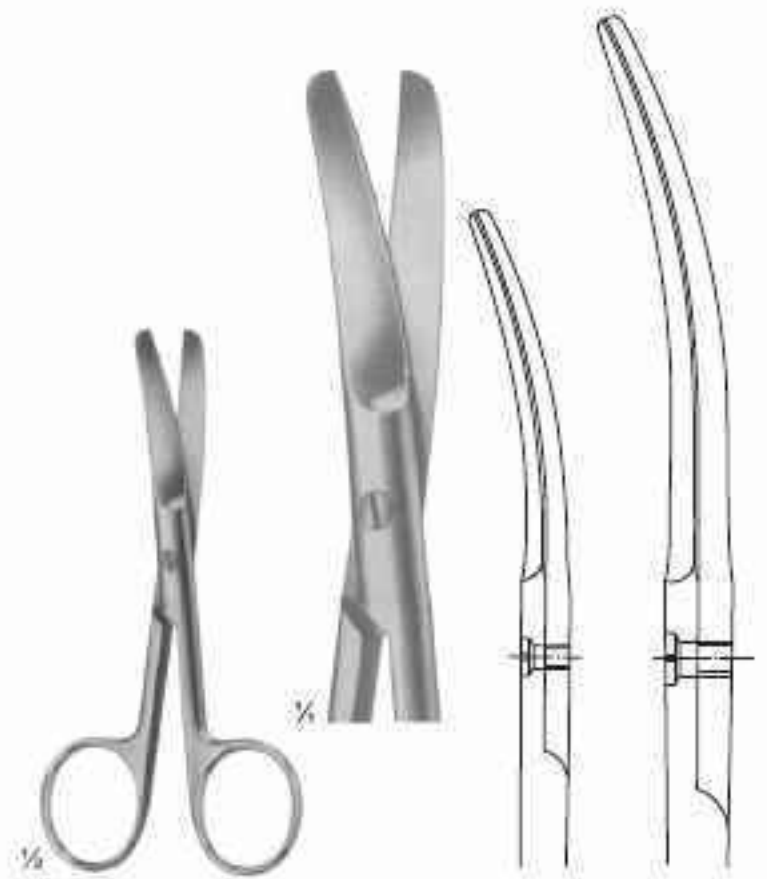


AS-02-203 - AS-02-207 (Standard Types)

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

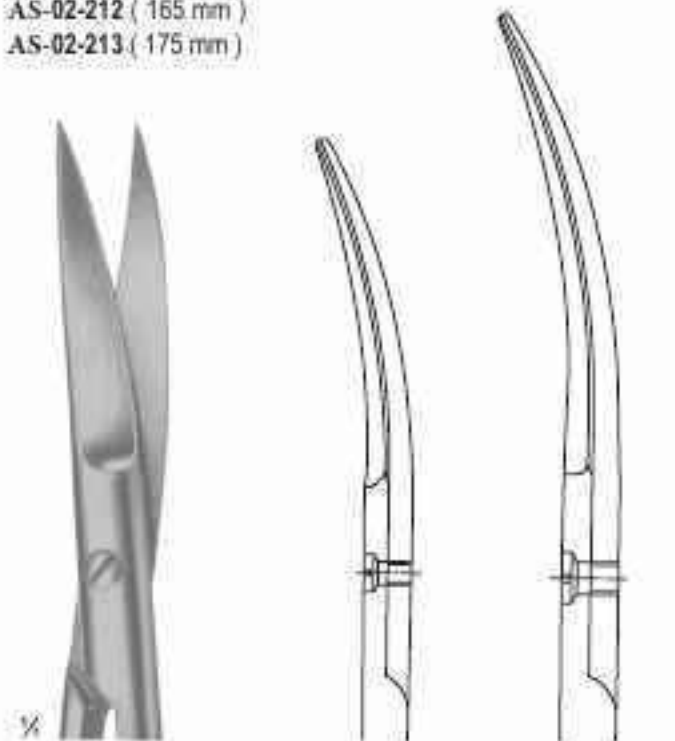


AS-02-214 - AS-02-218
Standard Types

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

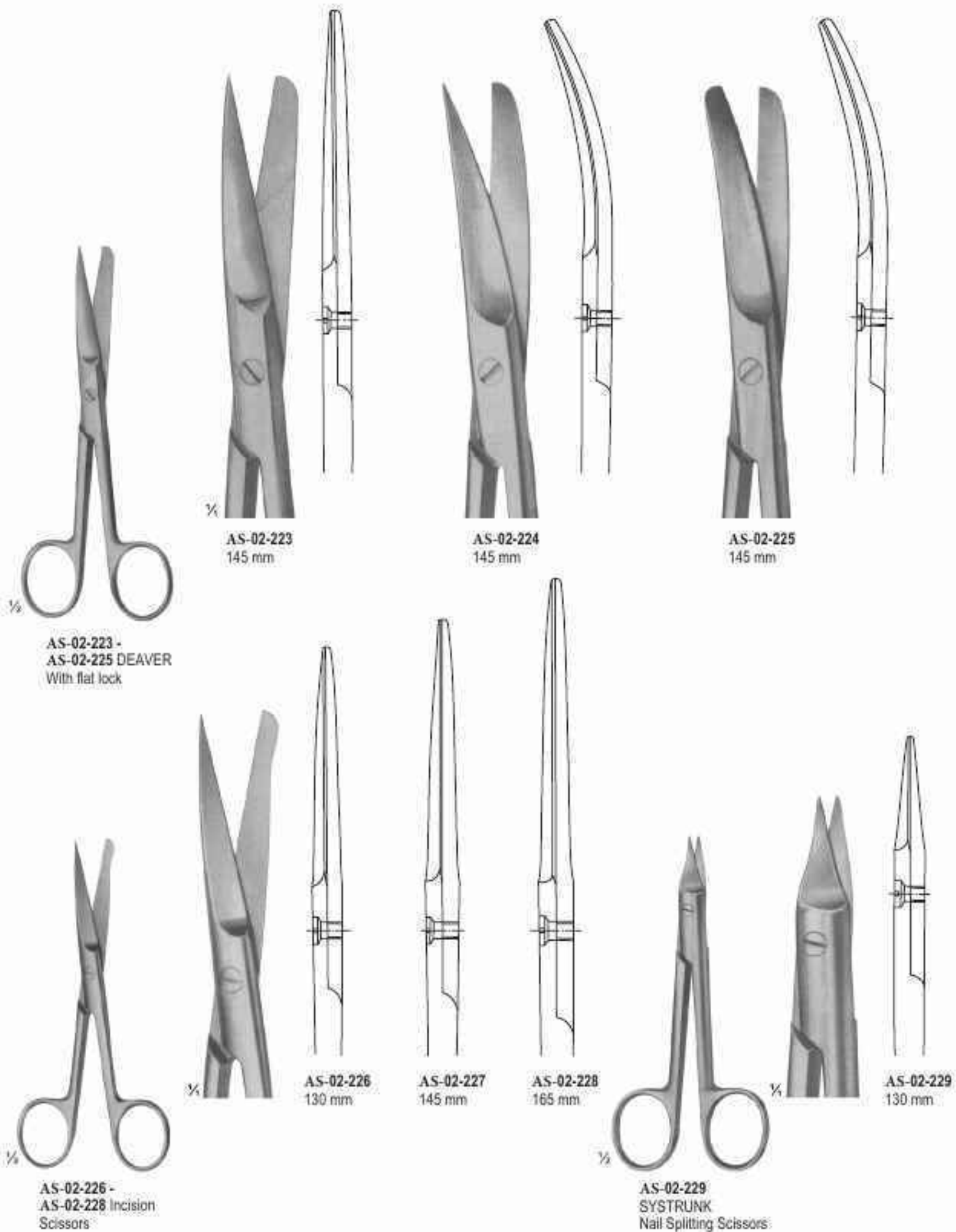


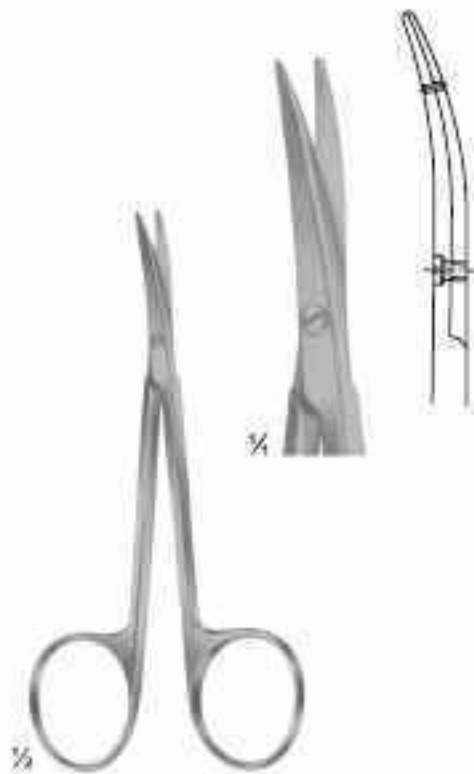
AS-02-219 -
AS-02-221 Standard
Types

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

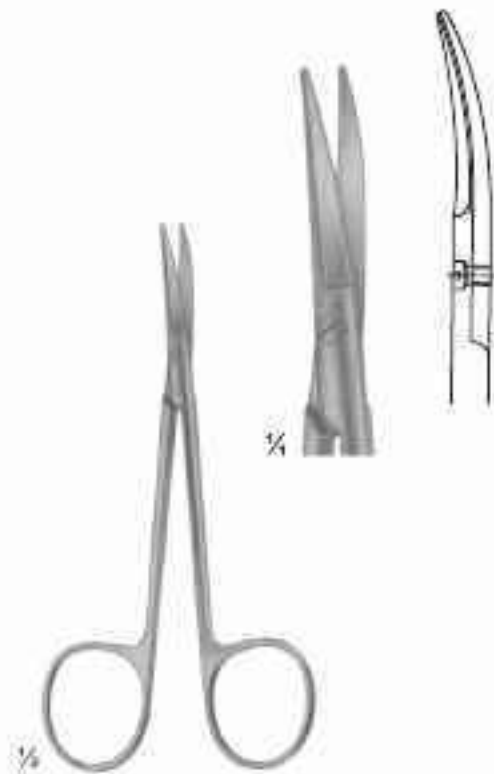
AS-02-219
115 mm

AS-02-222
150 mm





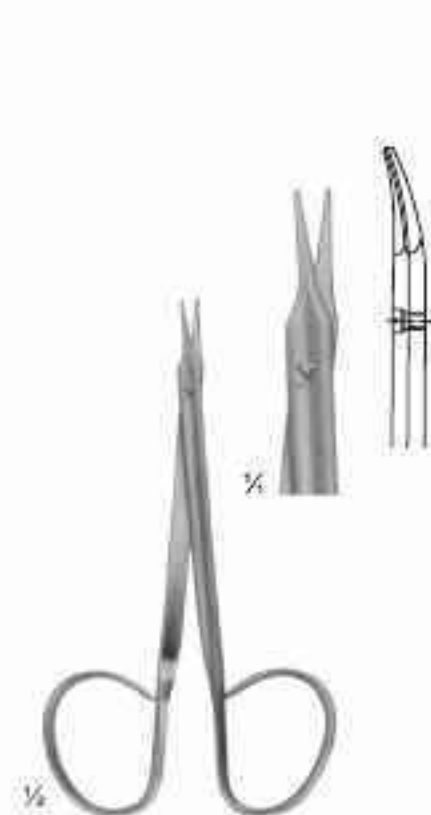
AS-02-230
LITTLE
Dissecting Scissors
Tips with eye for suture
115 mm



AS-02-231
COTTE
Bulldog Scissors
115 mm



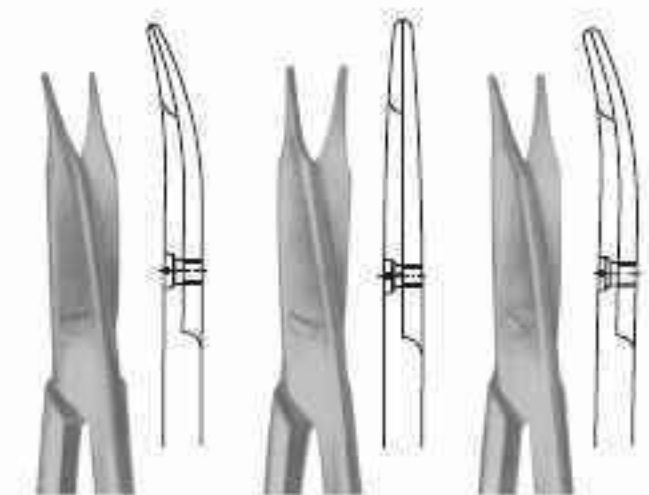
AS-02-232 - AS-02-233
STEVENS
Vessel and tendon Scissors
100 mm



AS-02-234
STEVENS
Dissecting Scissors
110 mm



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

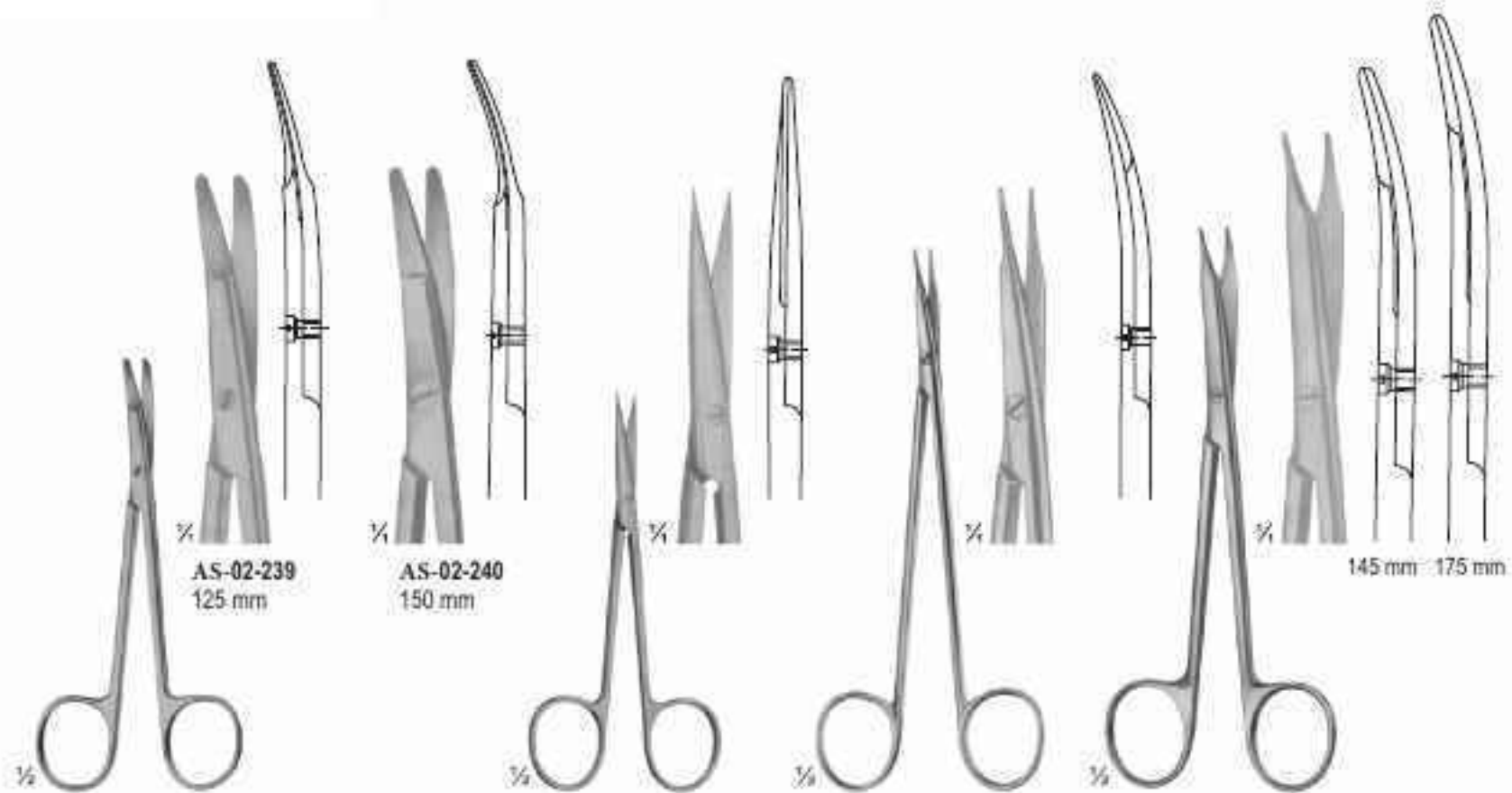


AS-02-235
Sharp

AS-02-236
Sharp

AS-02-237
Blunt

AS-02-238
Blunt

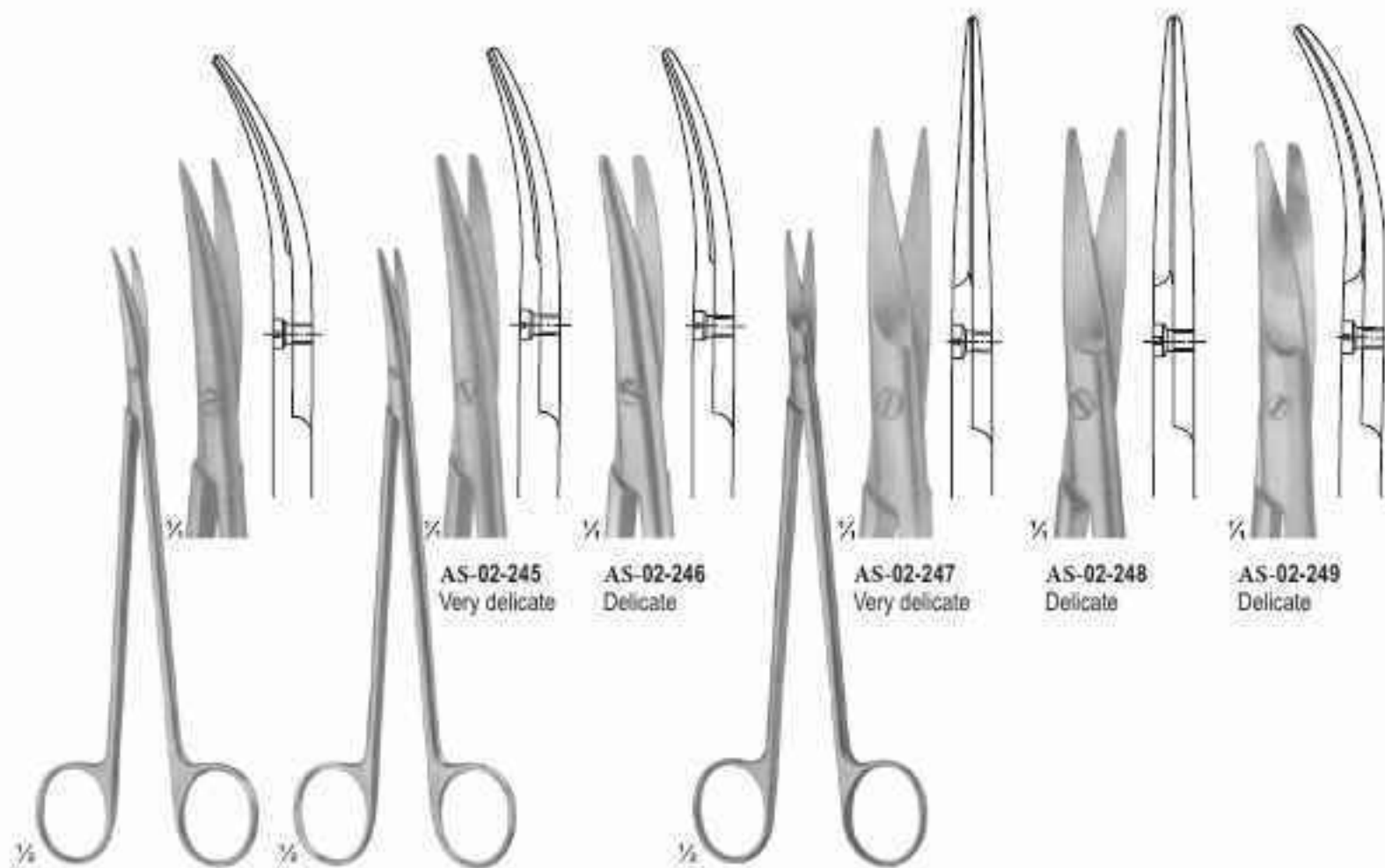


AS-02-239 - AS-02-240
KILNER
Special flat points for dissecting
and undermining the skin

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
4 DE
Anatomy 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 -
AS-02-251 FOMON
Lower lateral scissors



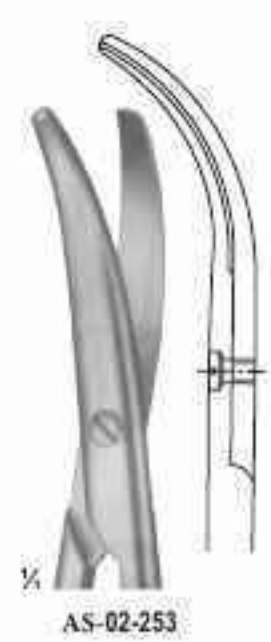
AS-02-251
135 mm



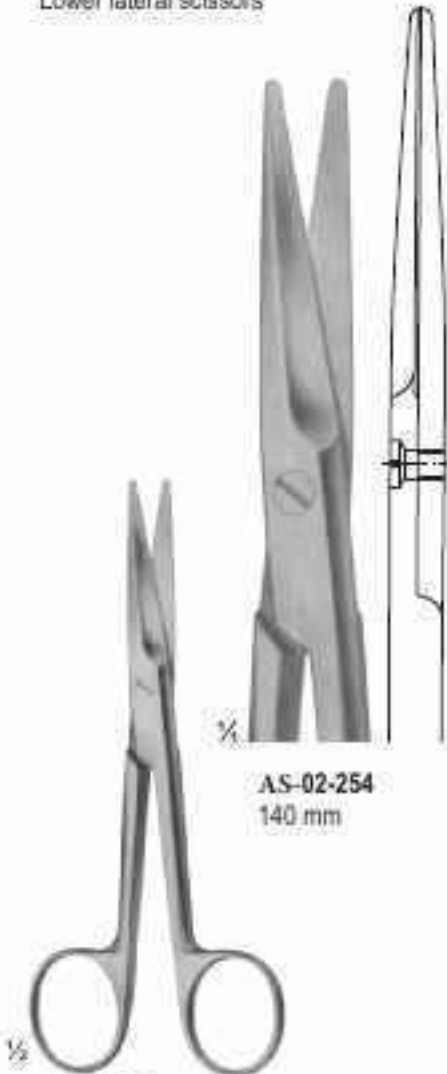
AS-02-252 -
AS-02-253 LANDOLT
Enucleation scissors
120 mm



AS-02-252



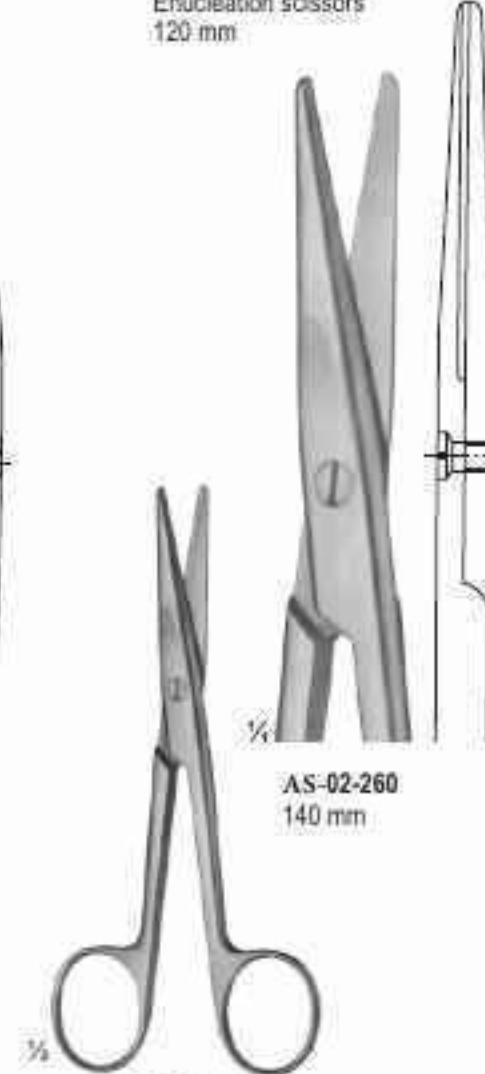
AS-02-253



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



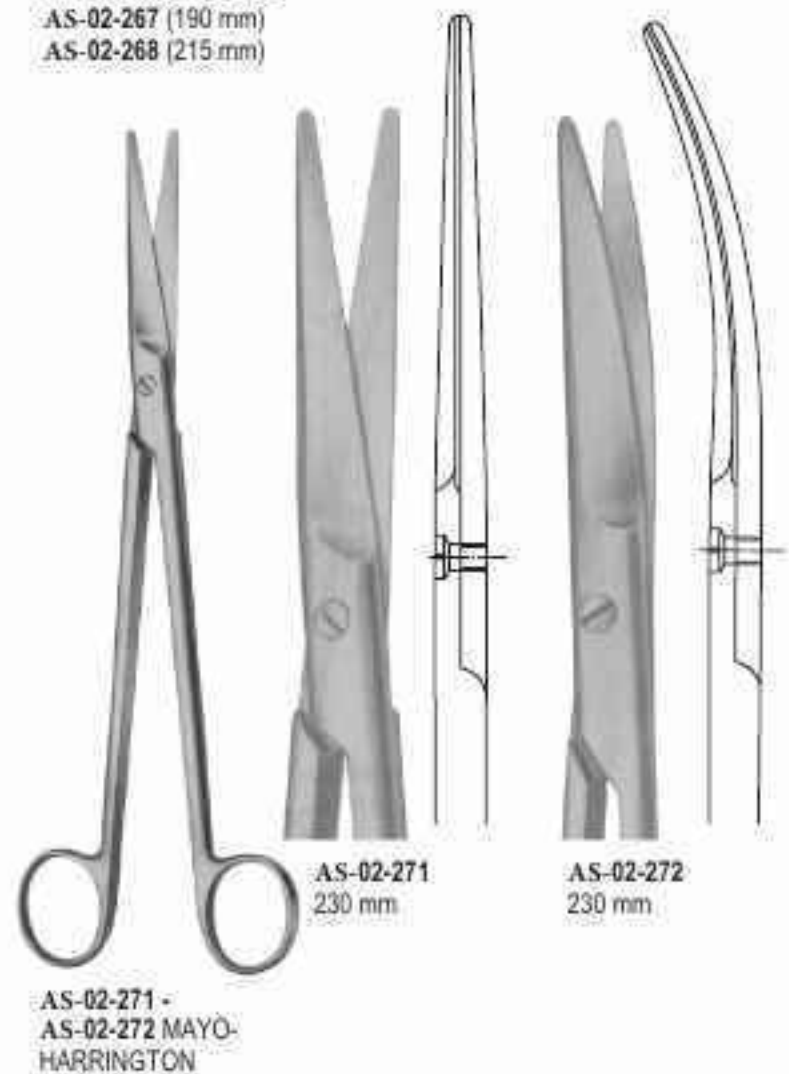
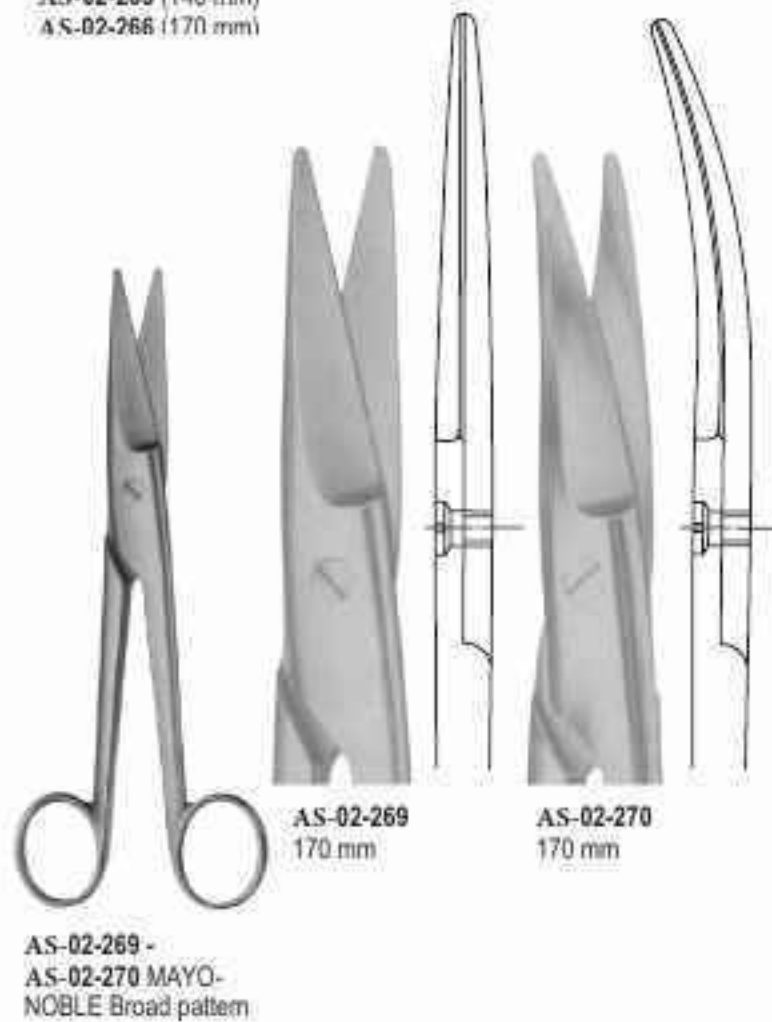
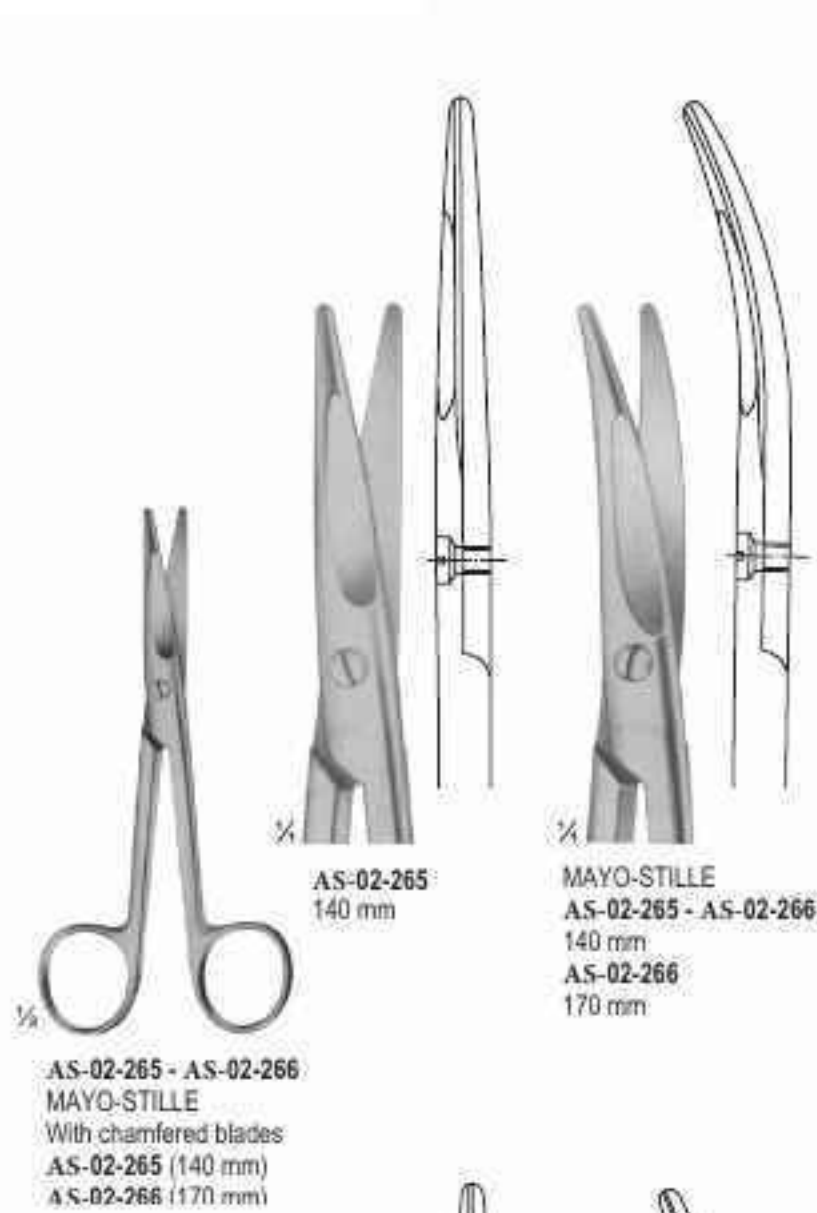
AS-02-257 -
AS-02-259 MAYO
AS-02-257 (140 mm)
AS-02-258 (155 mm)
AS-02-259 (170 mm)

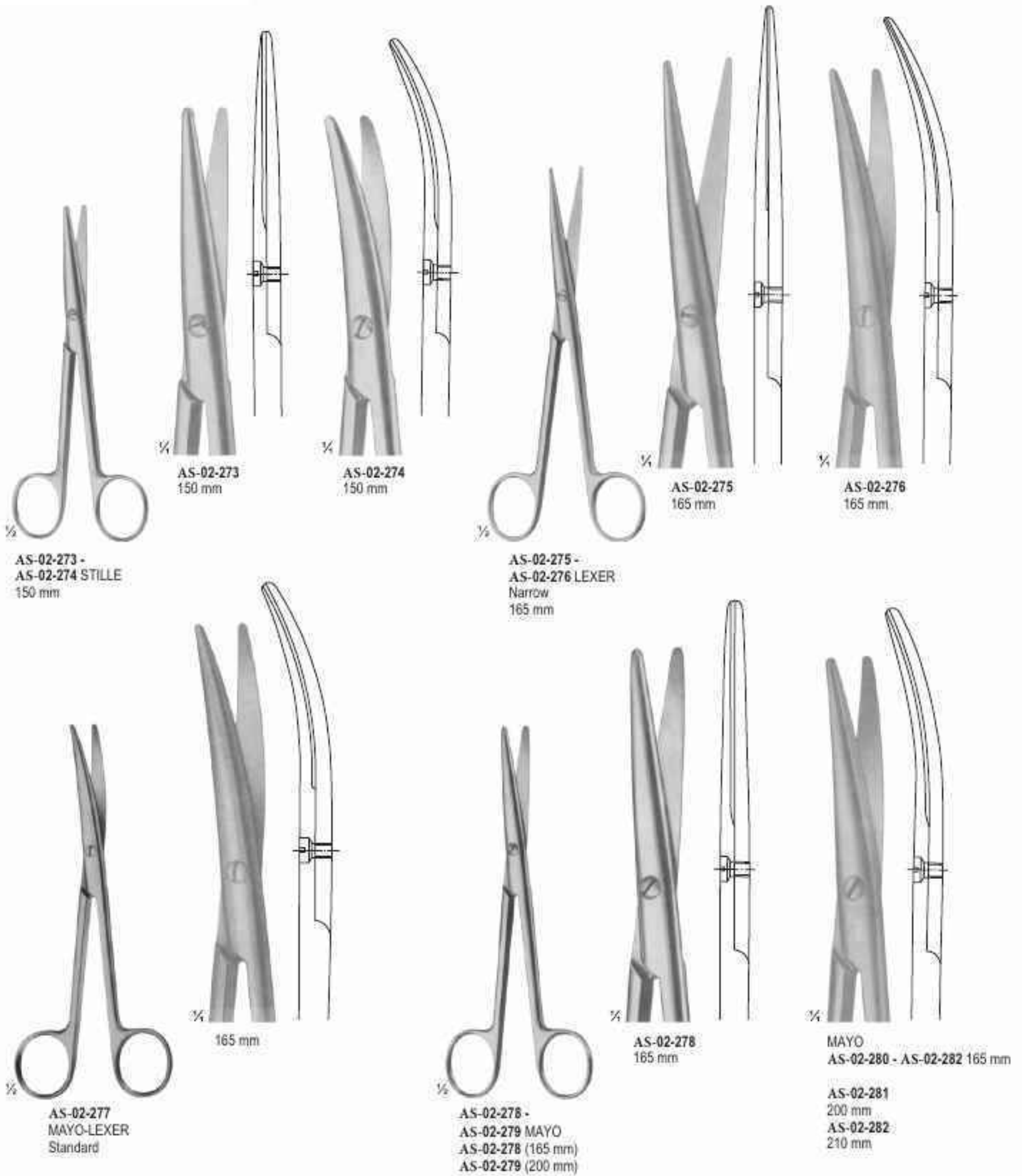


AS-02-260 -
AS-02-262 MAYO-
STILLE
AS-02-261 (140 mm)
AS-02-262 (170 mm)



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



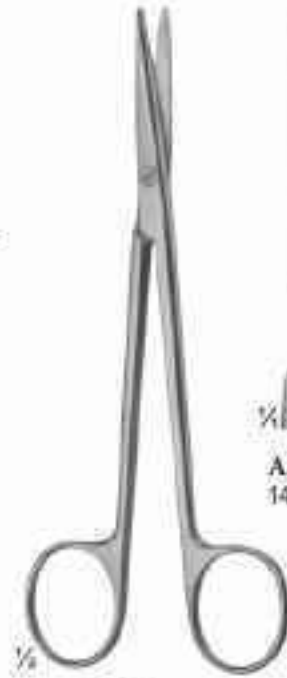




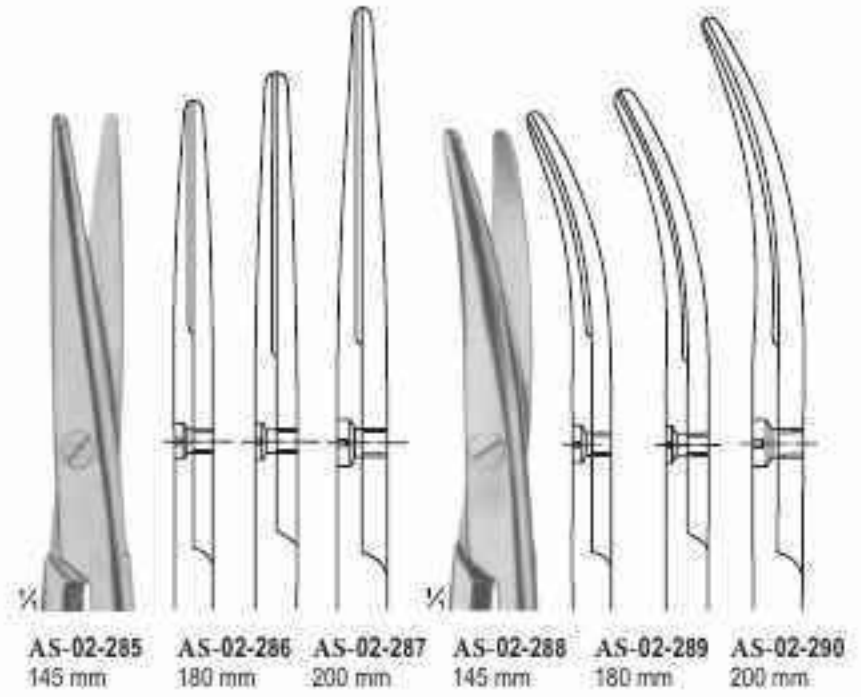
AS-02-283
145 mm



AS-02-284
145 mm



AS-02-285 -
AS-02-290
METZENBAUM



AS-02-285
145 mm

AS-02-286
180 mm

AS-02-287
200 mm

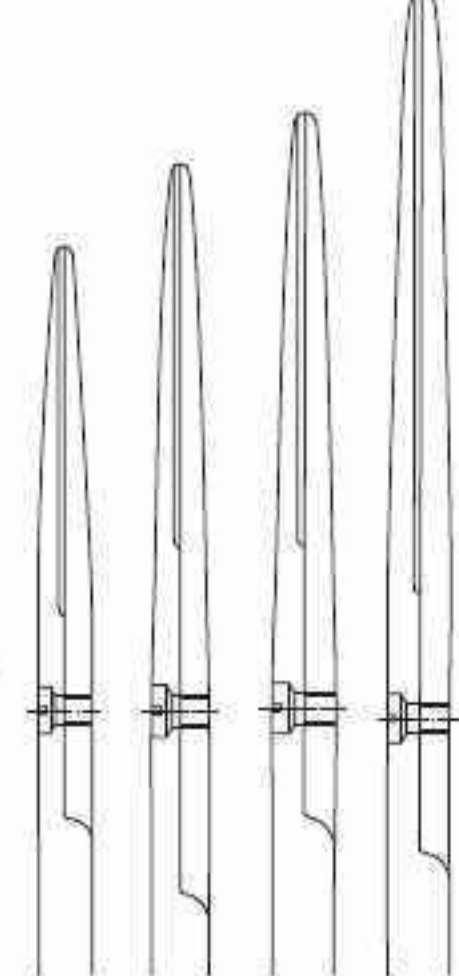
AS-02-288
145 mm

AS-02-289
180 mm

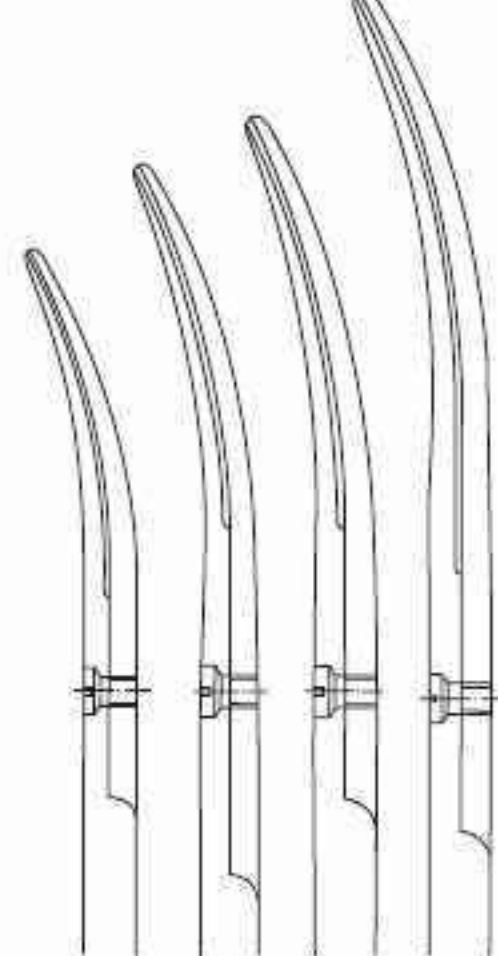
AS-02-290
200 mm



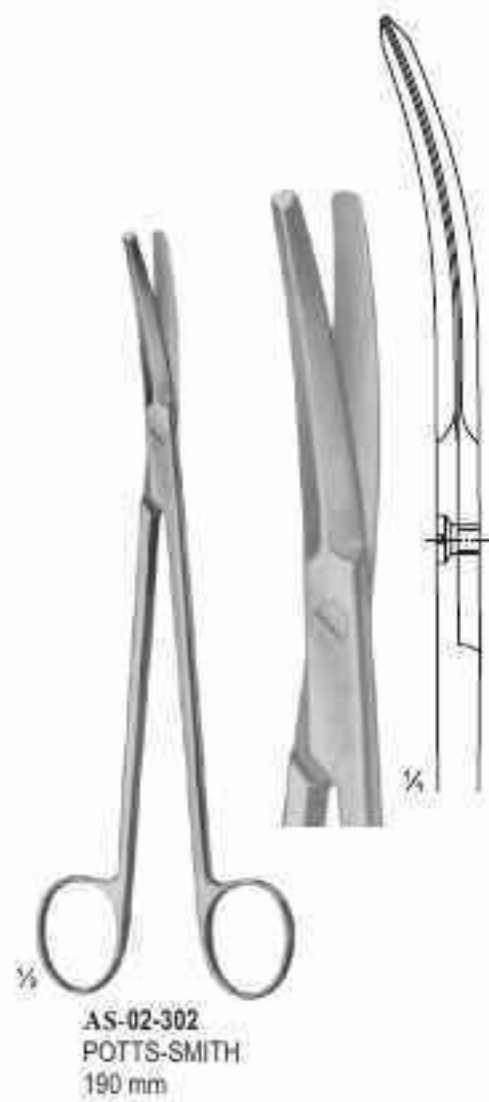
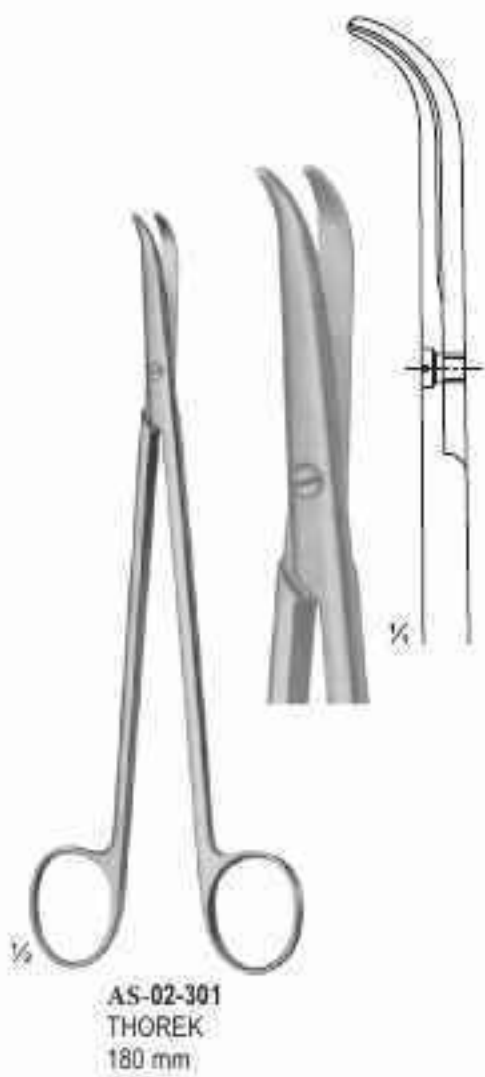
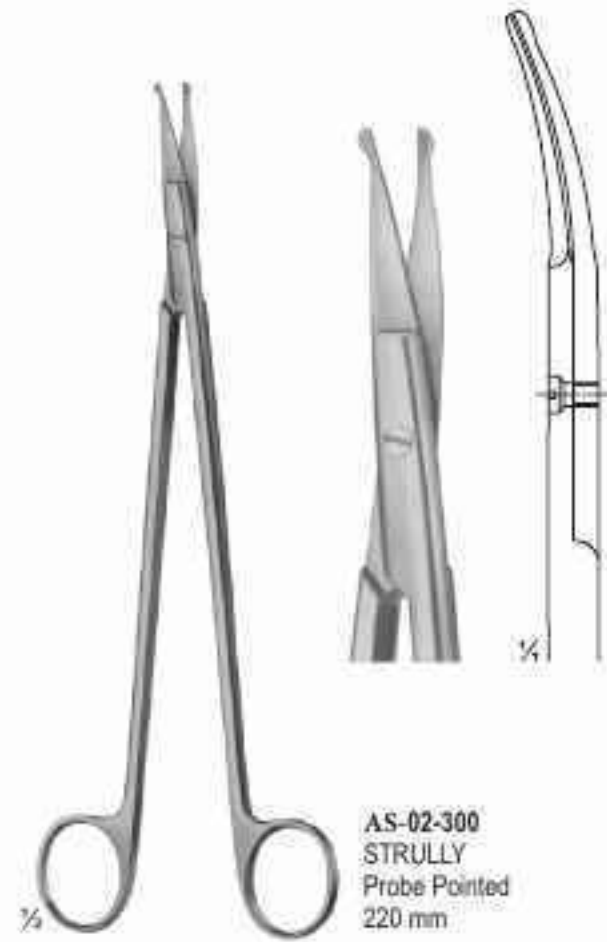
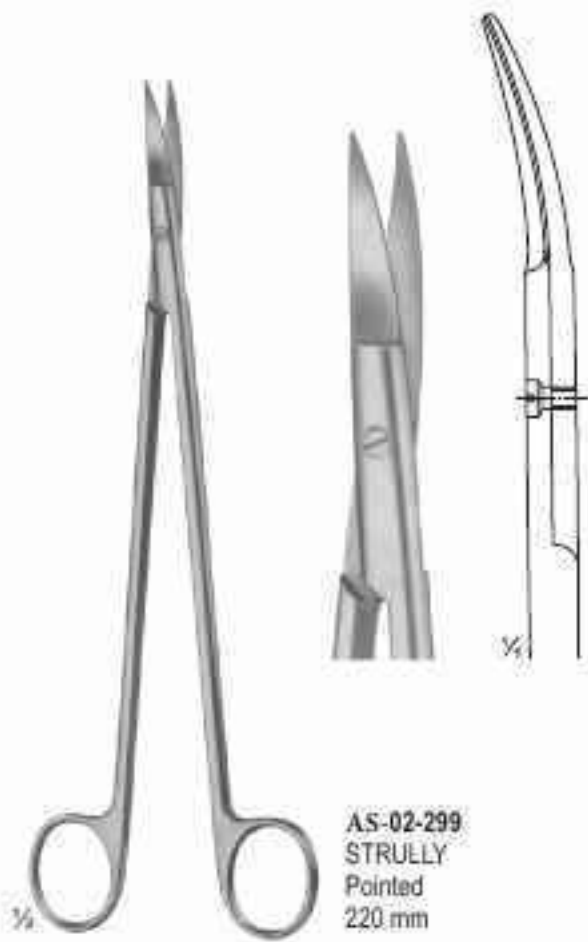
AS-02-291 - AS-02-298
NELSON - METZENBAUM

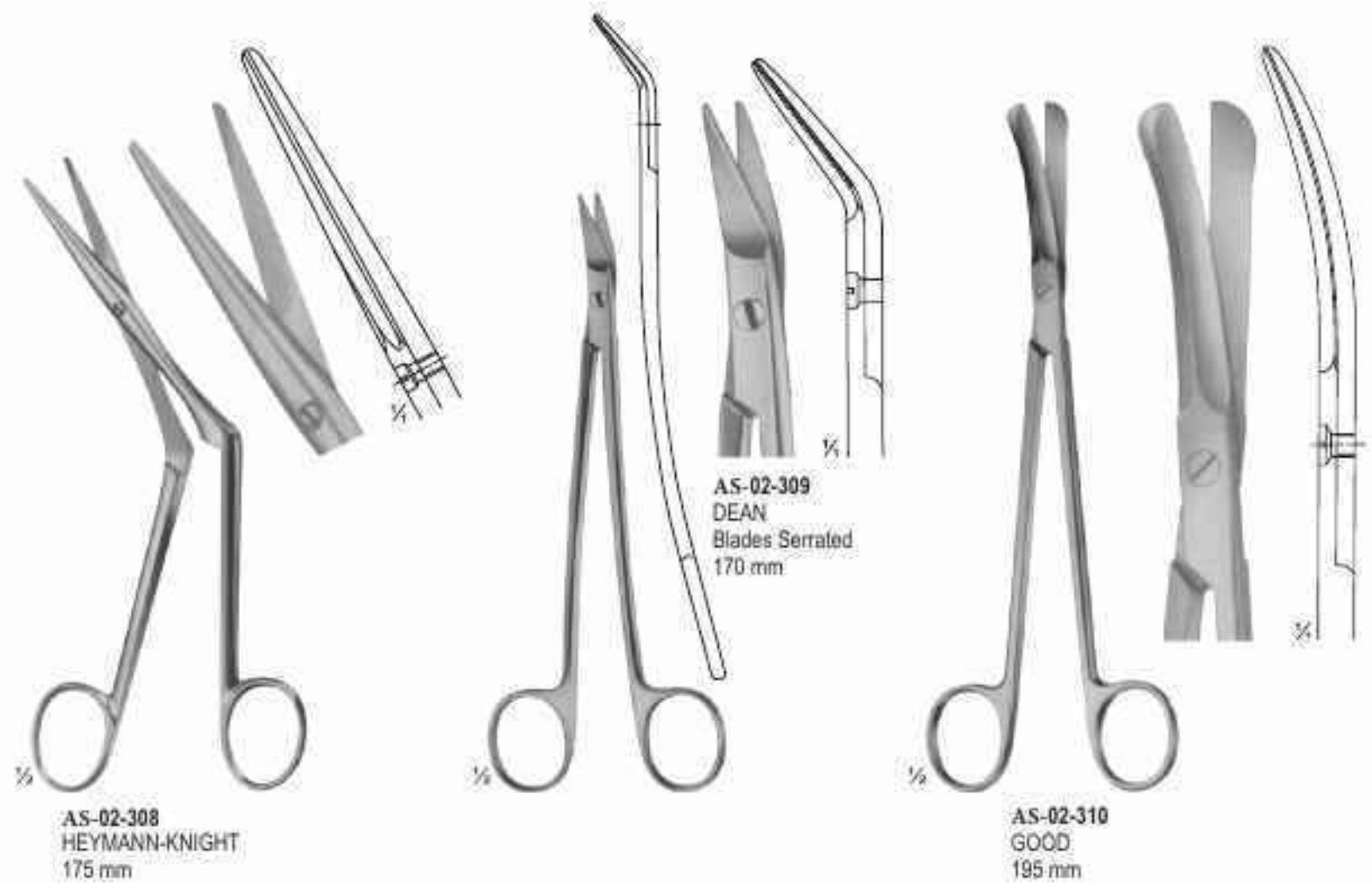
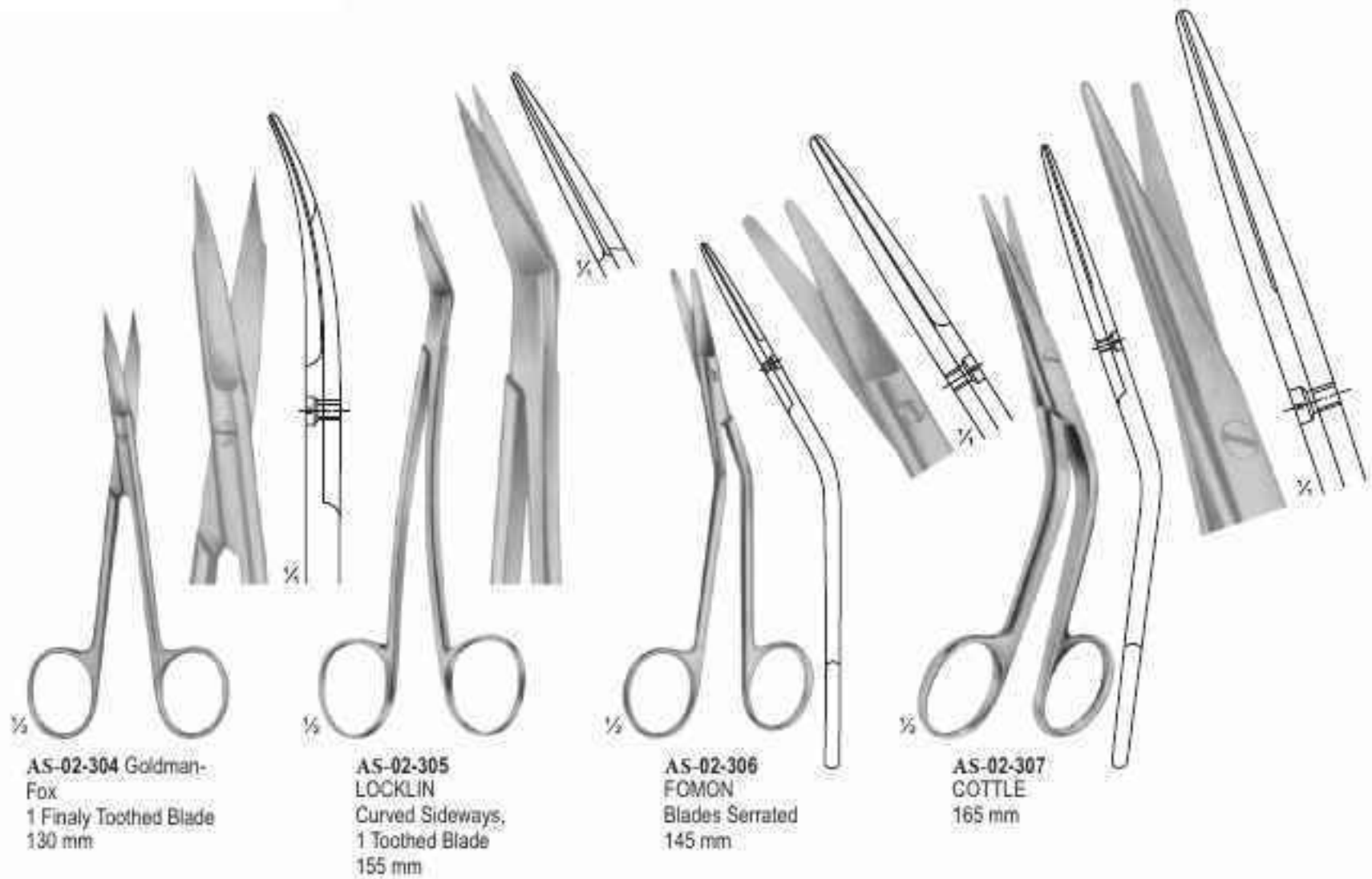


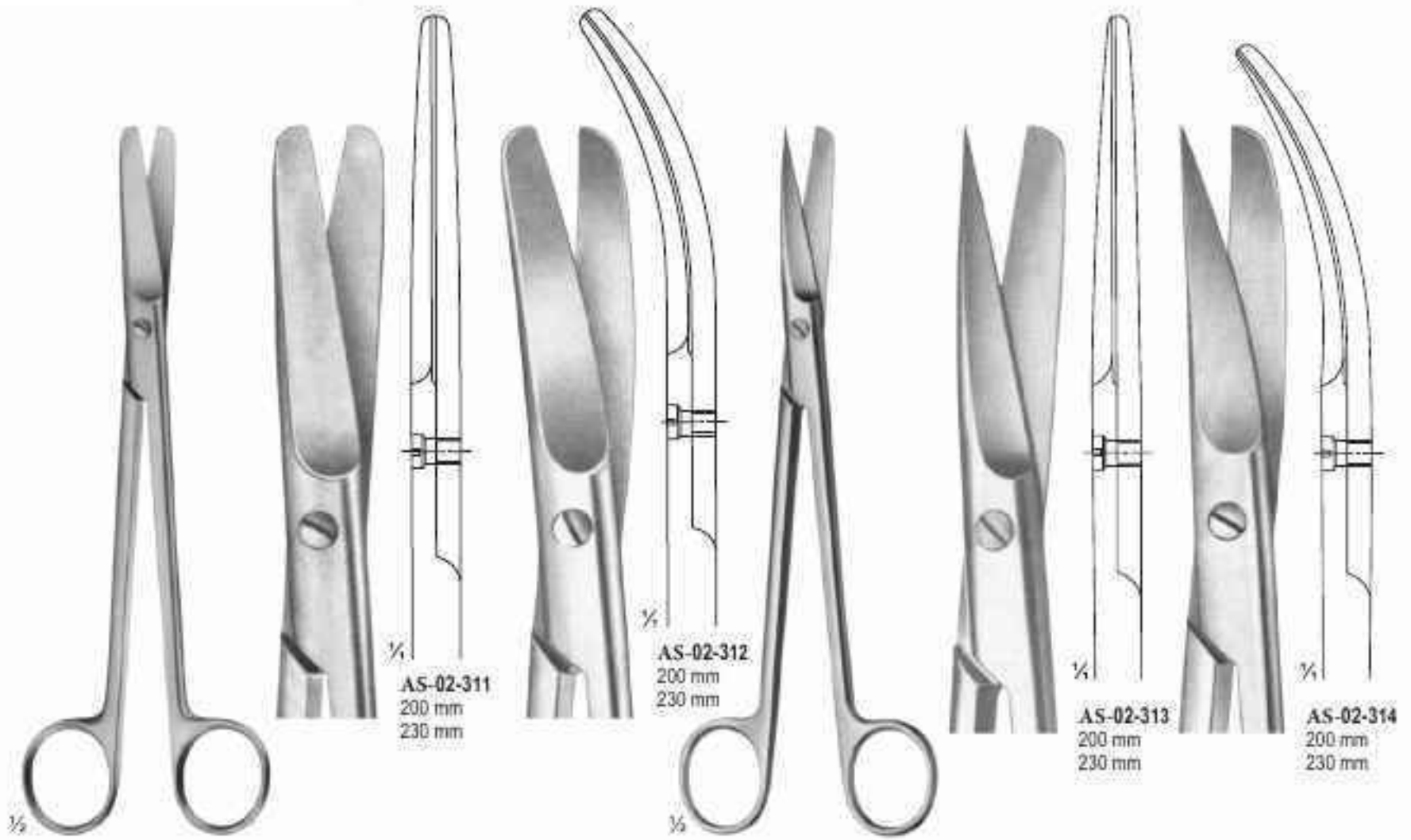
AS-02-291 AS-02-292 AS-02-293 AS-02-294
230 mm 250 mm 280 mm 305 mm



AS-02-295 AS-02-296 AS-02-297 AS-02-298
230 mm 250 mm 280 mm 305 mm

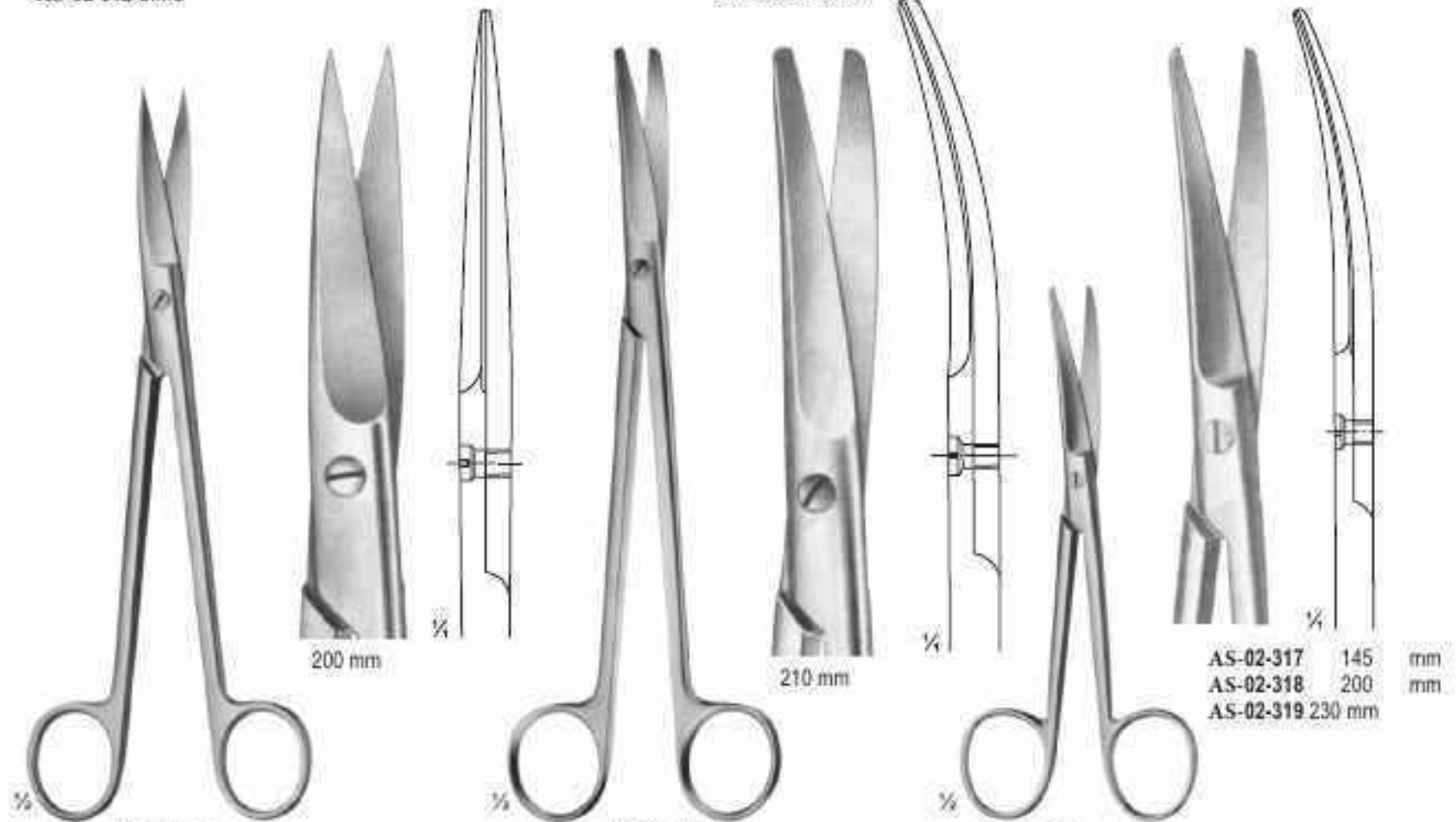






AS-02-311 -
AS-02-312 SIMS

AS-02-313 -
AS-02-314 SIMS

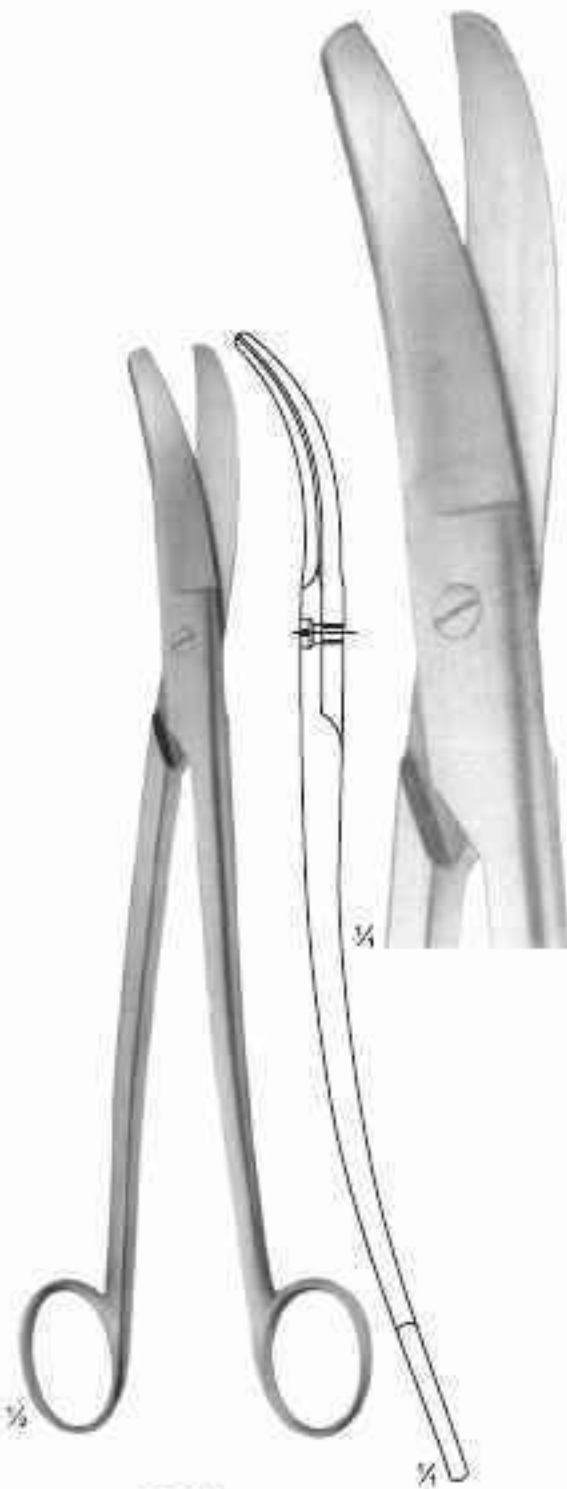


AS-02-315
SIMS

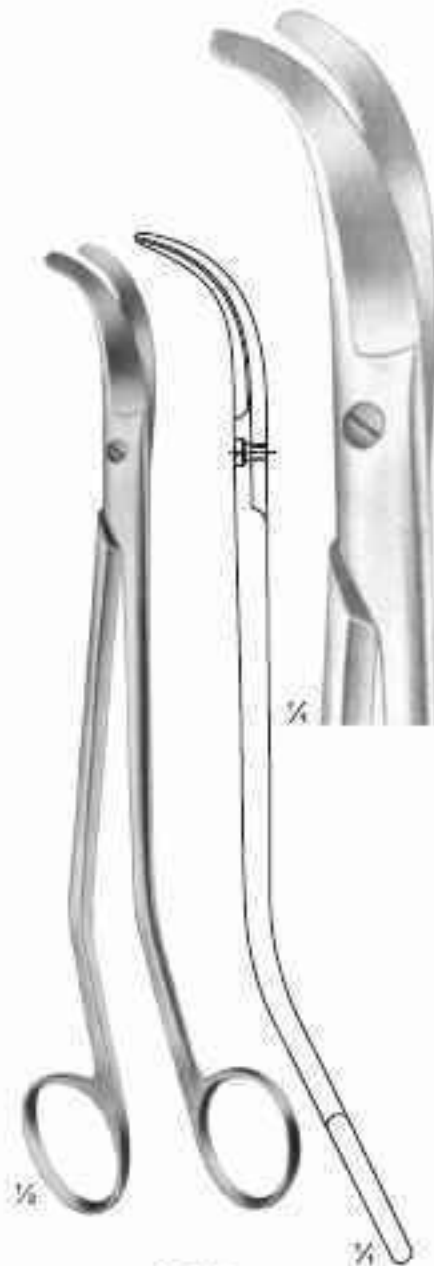
AS-02-316
SIMS

AS-02-317 -
AS-02-319
WERTHEIM

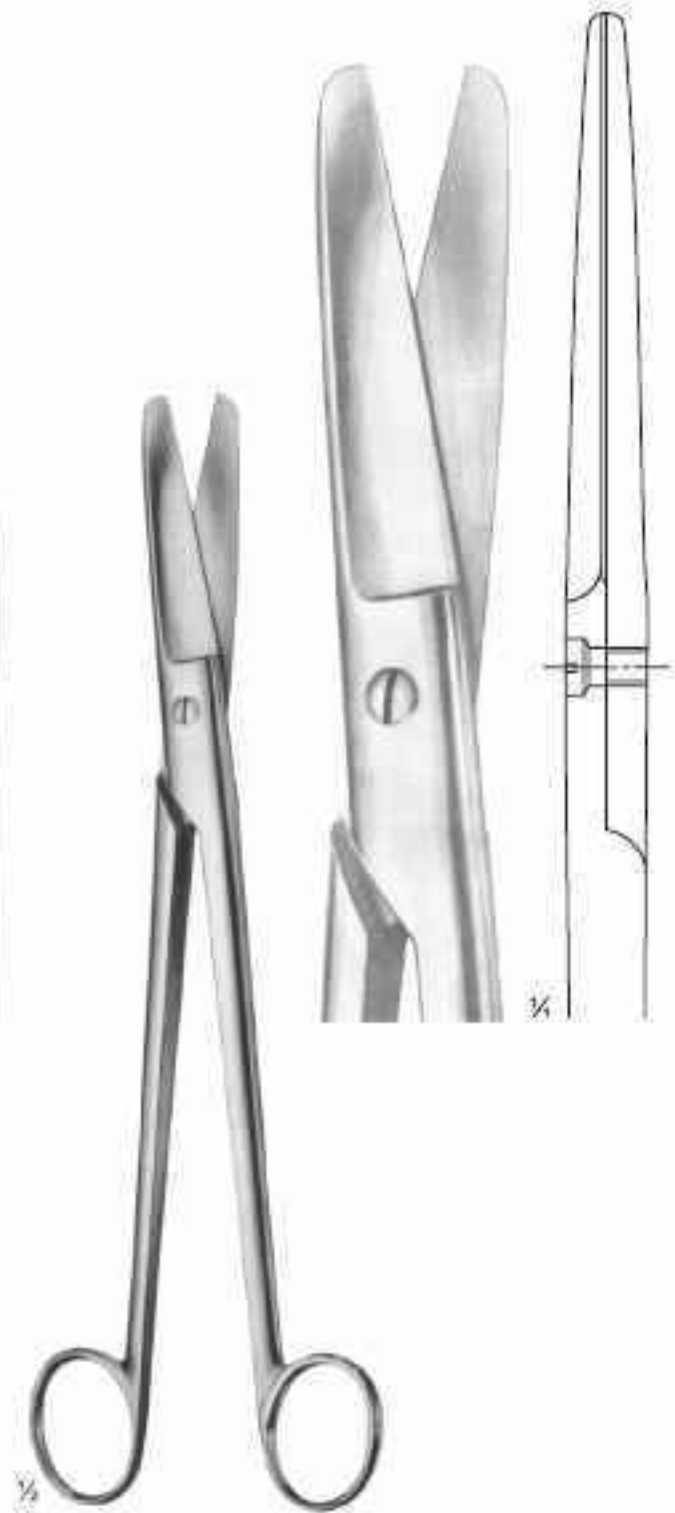
AS-02-317 145 mm
AS-02-318 200 mm
AS-02-319 230 mm



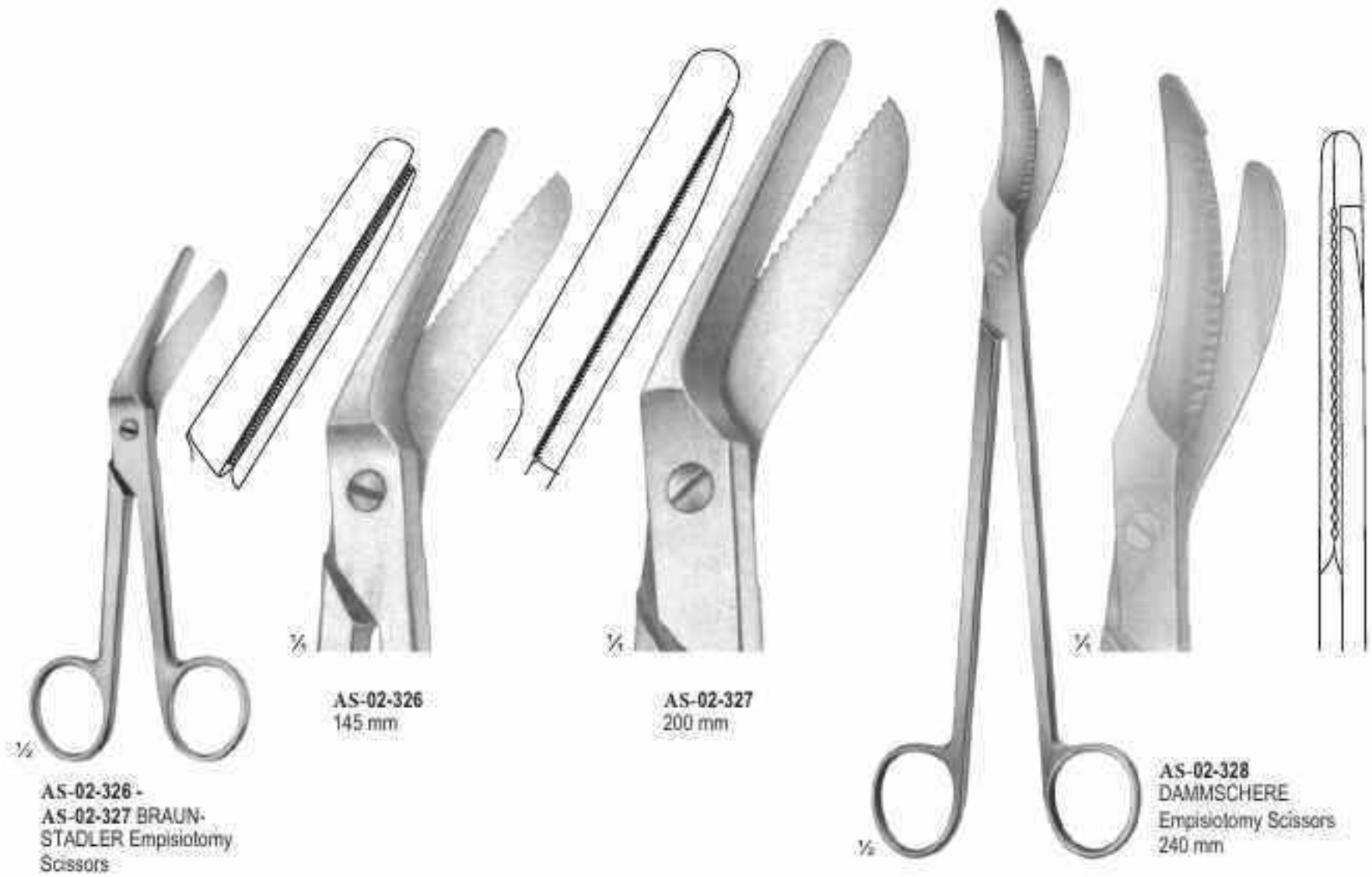
AS-02-320
SIEBOLD
Uterine Scissors
245 mm

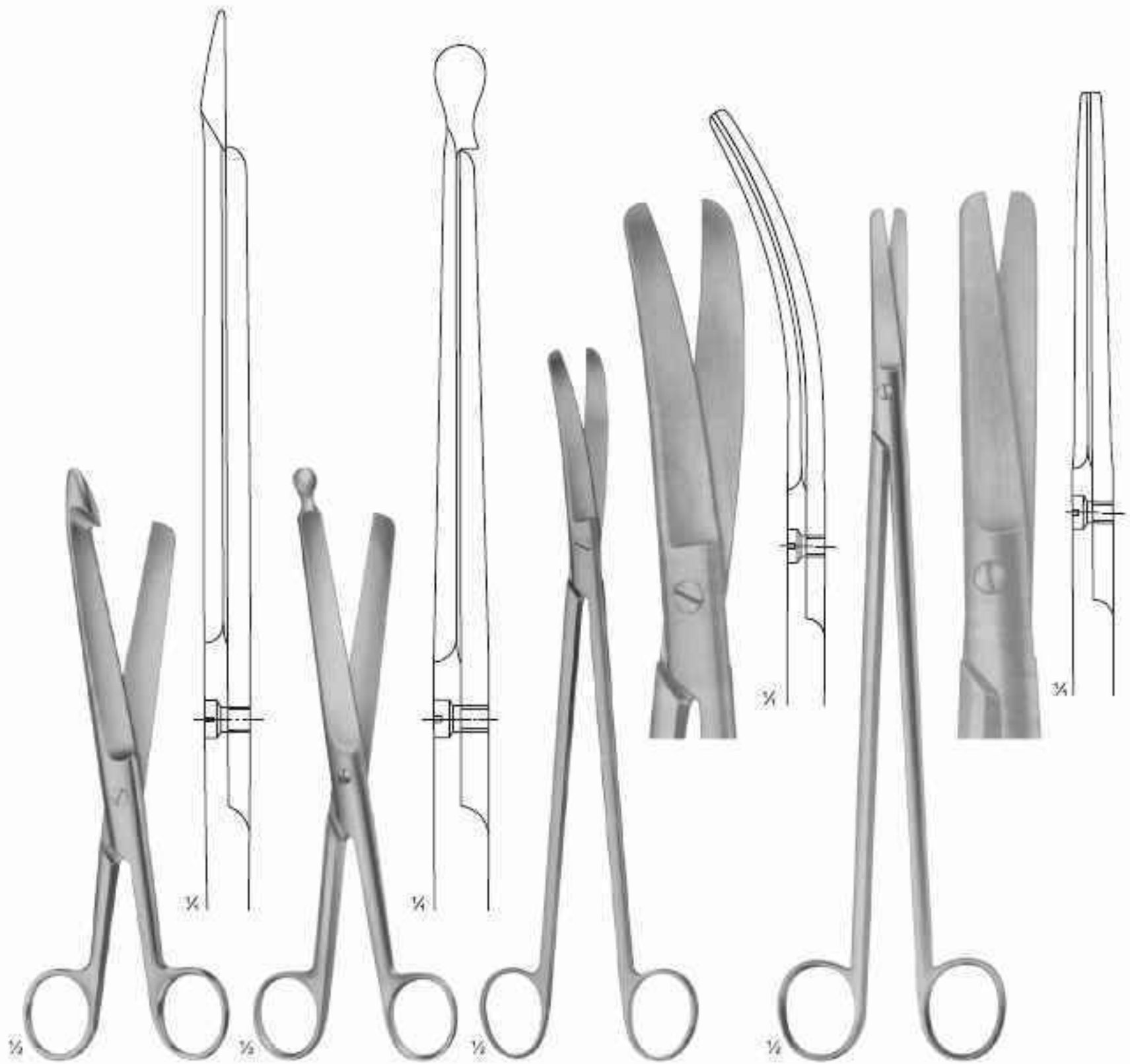


AS-02-321
BOZEMANN
Uterine Scissors
220 mm



AS-02-322
SIMS-SIEBOLD
Uterine Scissors
250 mm



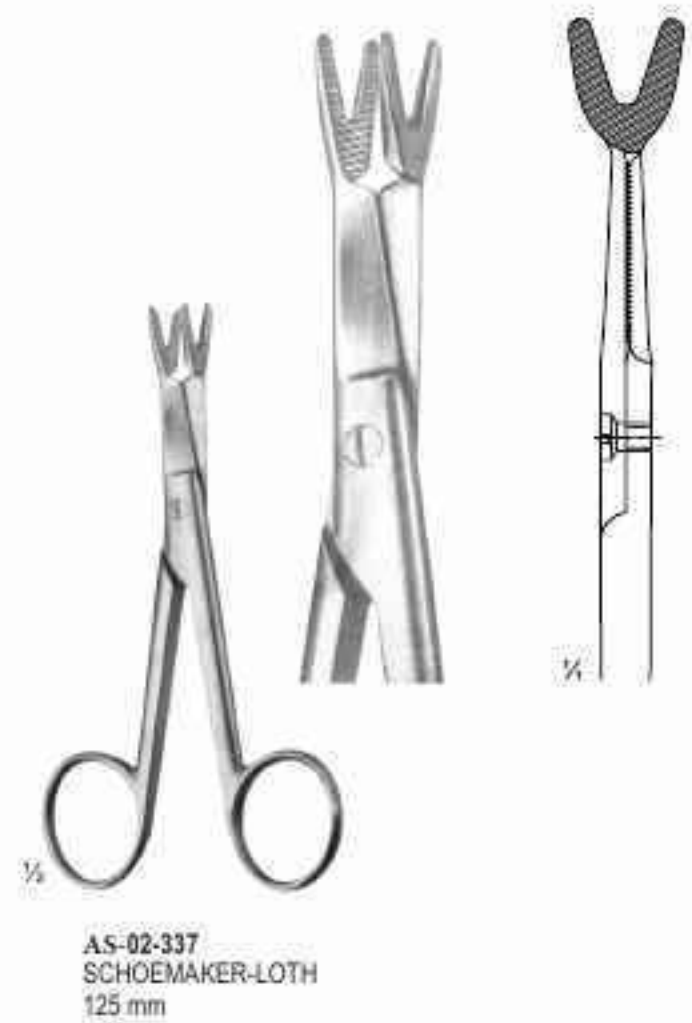


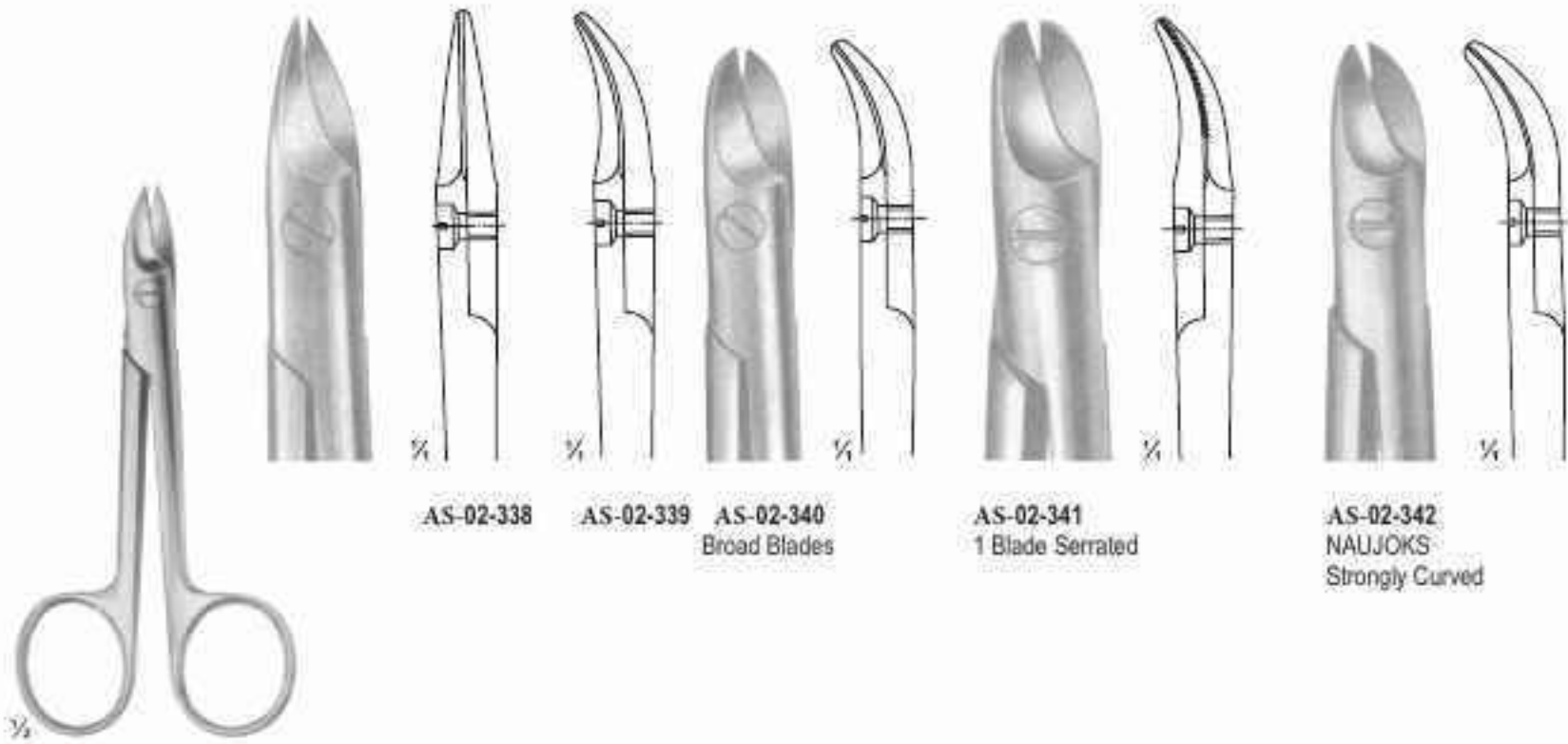
AS-02-329
DAMMSCHERE
Bowel Scissors
210 mm

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

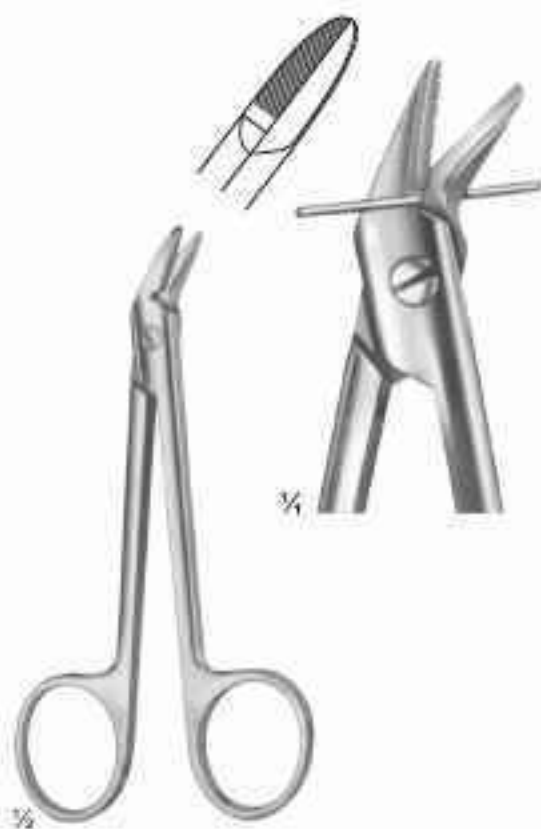
AS-02-338

AS-02-339

AS-02-340
Broad Blades

AS-02-341
1 Blade Serrated

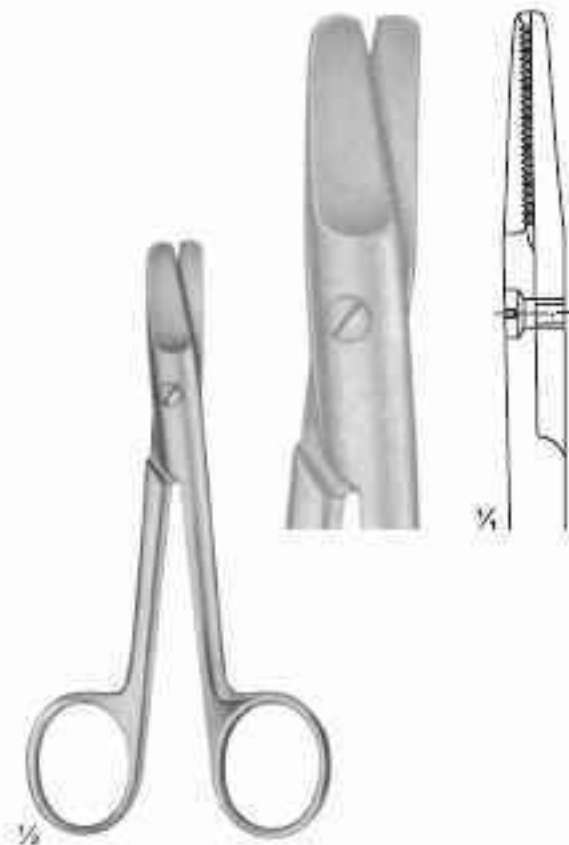
AS-02-342
NAUJOKS
Strongly Curved



AS-02-343
1 Blade Serrated
120 mm



AS-02-344
STRACK
100 mm



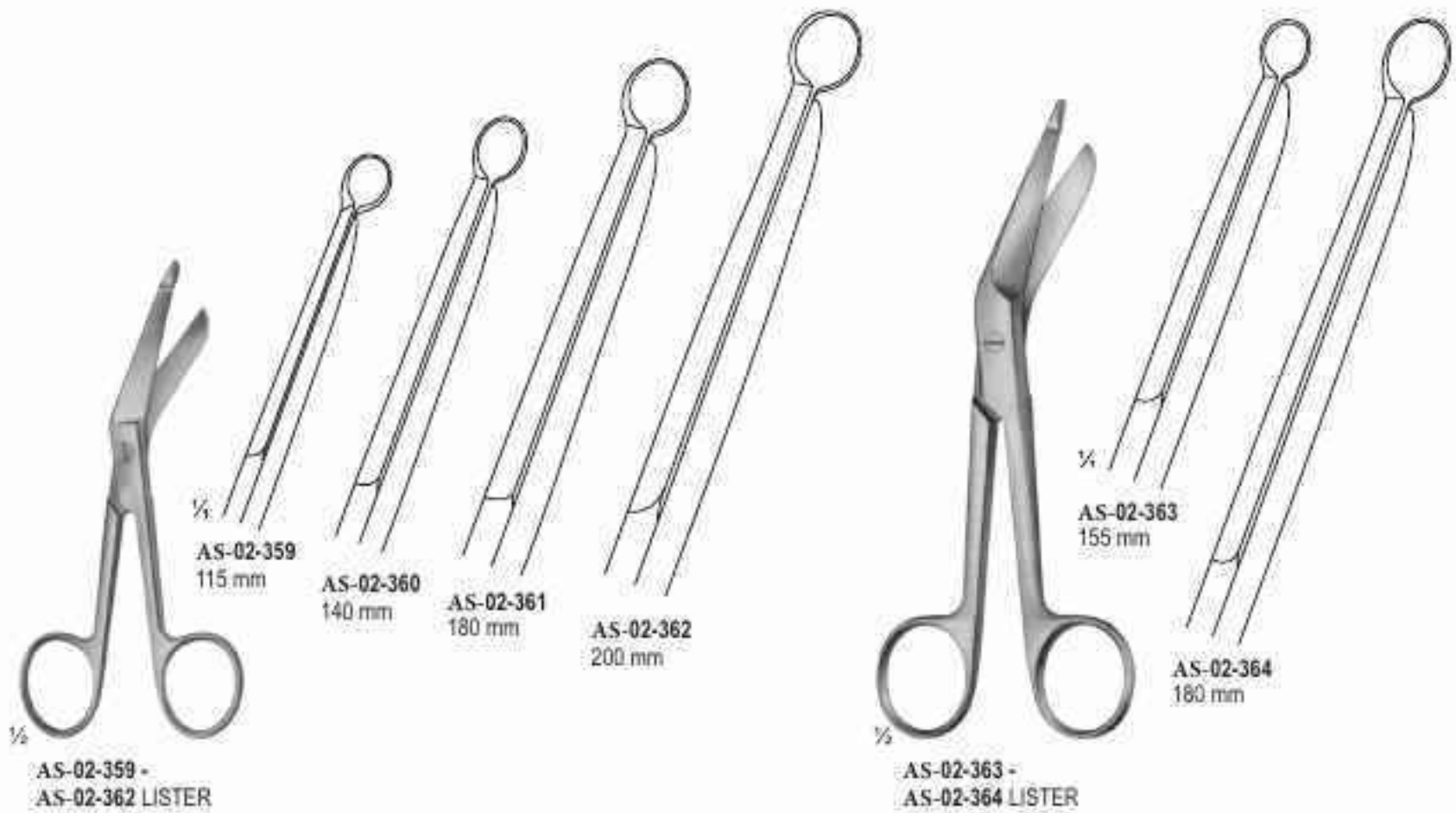
AS-02-345
HARVEY
125 mm





AS-02-357
LISTER
145 mm

AS-02-358
LISTER
145 mm



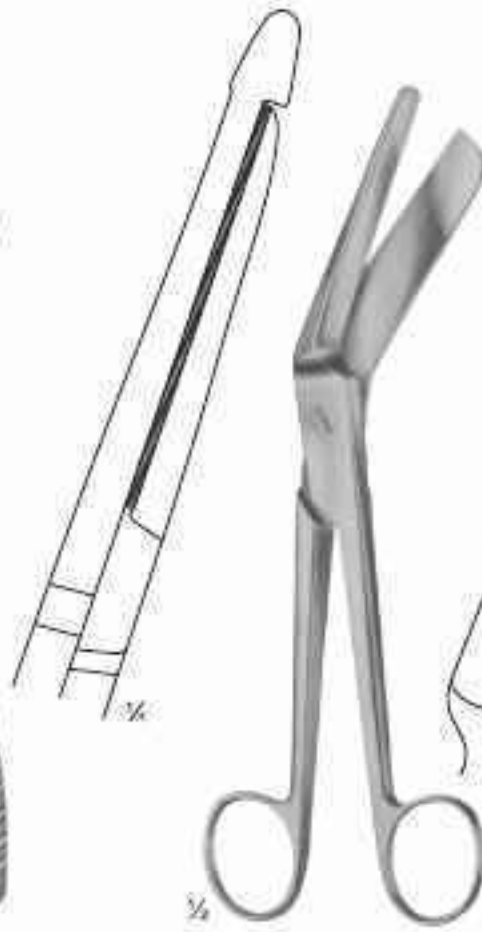
AS-02-359 -
AS-02-362 LISTER

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

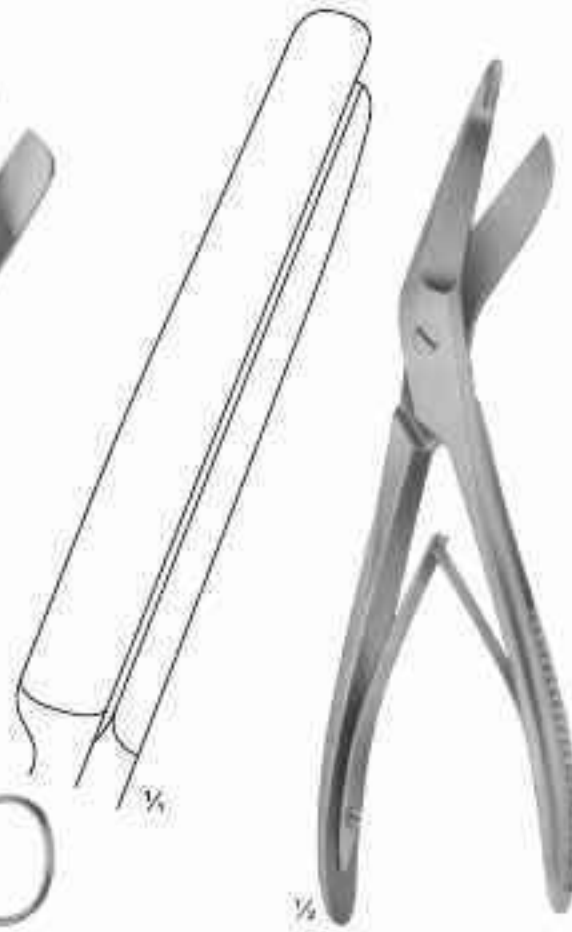
ASTER SCISSORS



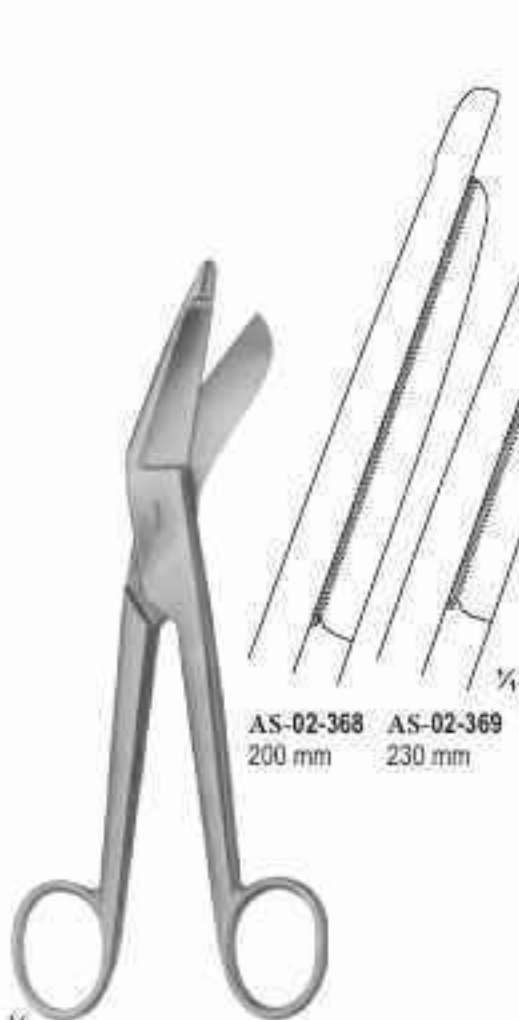
AS-02-365 CLOTH
SCISSORS 205 mm



AS-02-366
BRAUN-STADLER
225 mm



AS-02-367
SEUTIN
230 mm

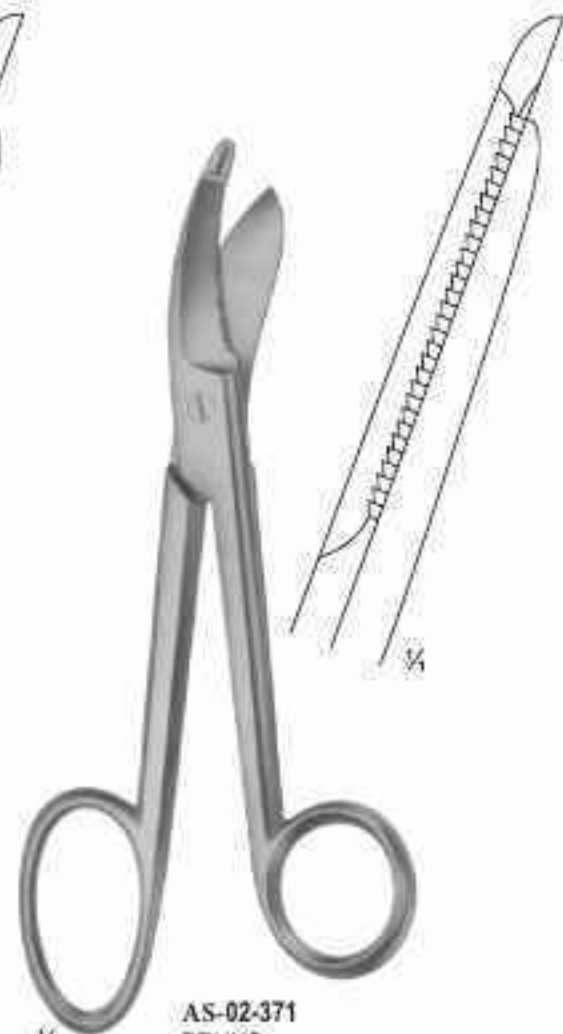


AS-02-368 AS-02-369
200 mm 230 mm

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"



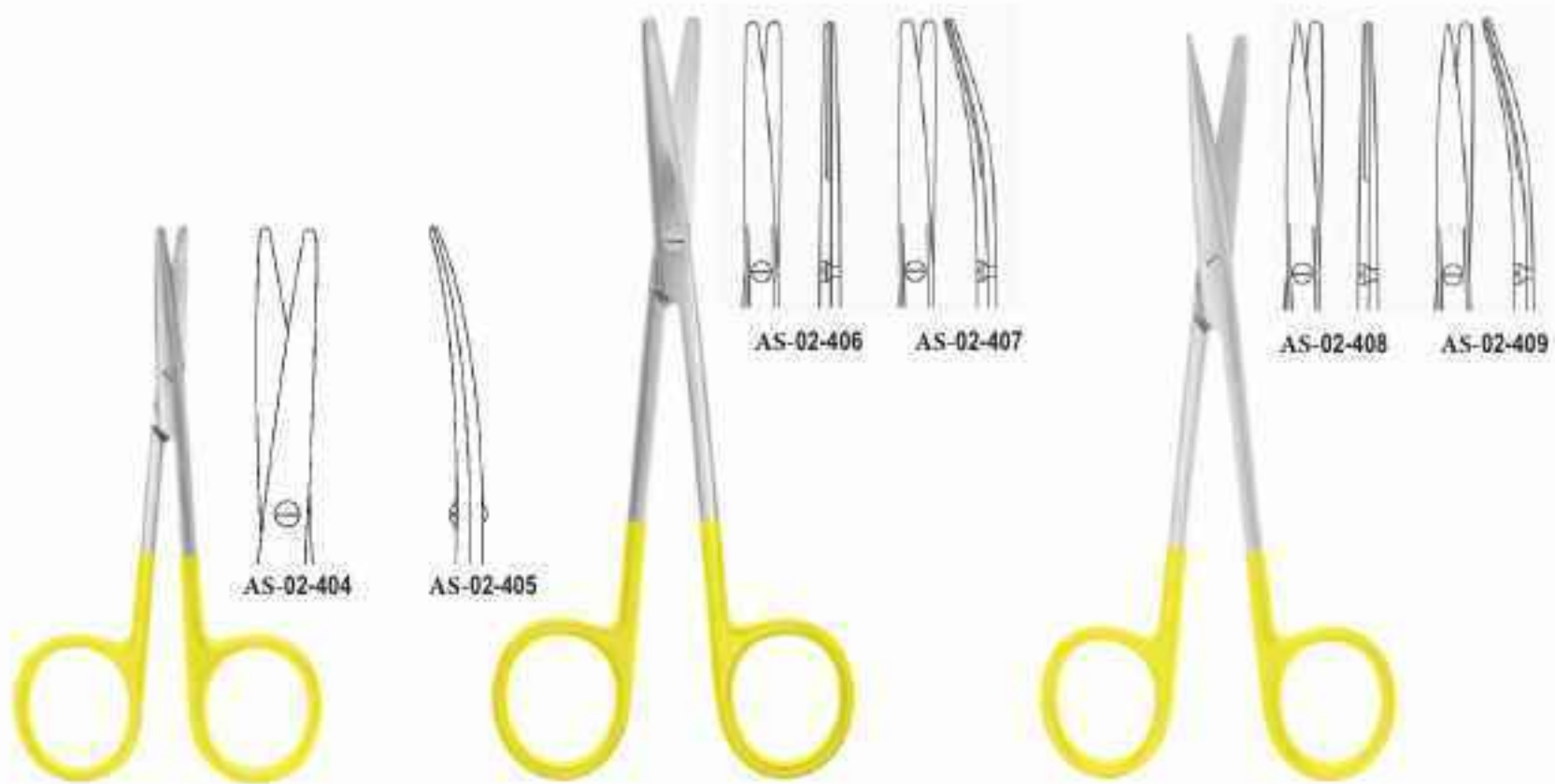
MAYO-STILLE
AS-02-398 15.0 cm, 6"
AS-02-399 17.0 cm, 6 3/4"



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



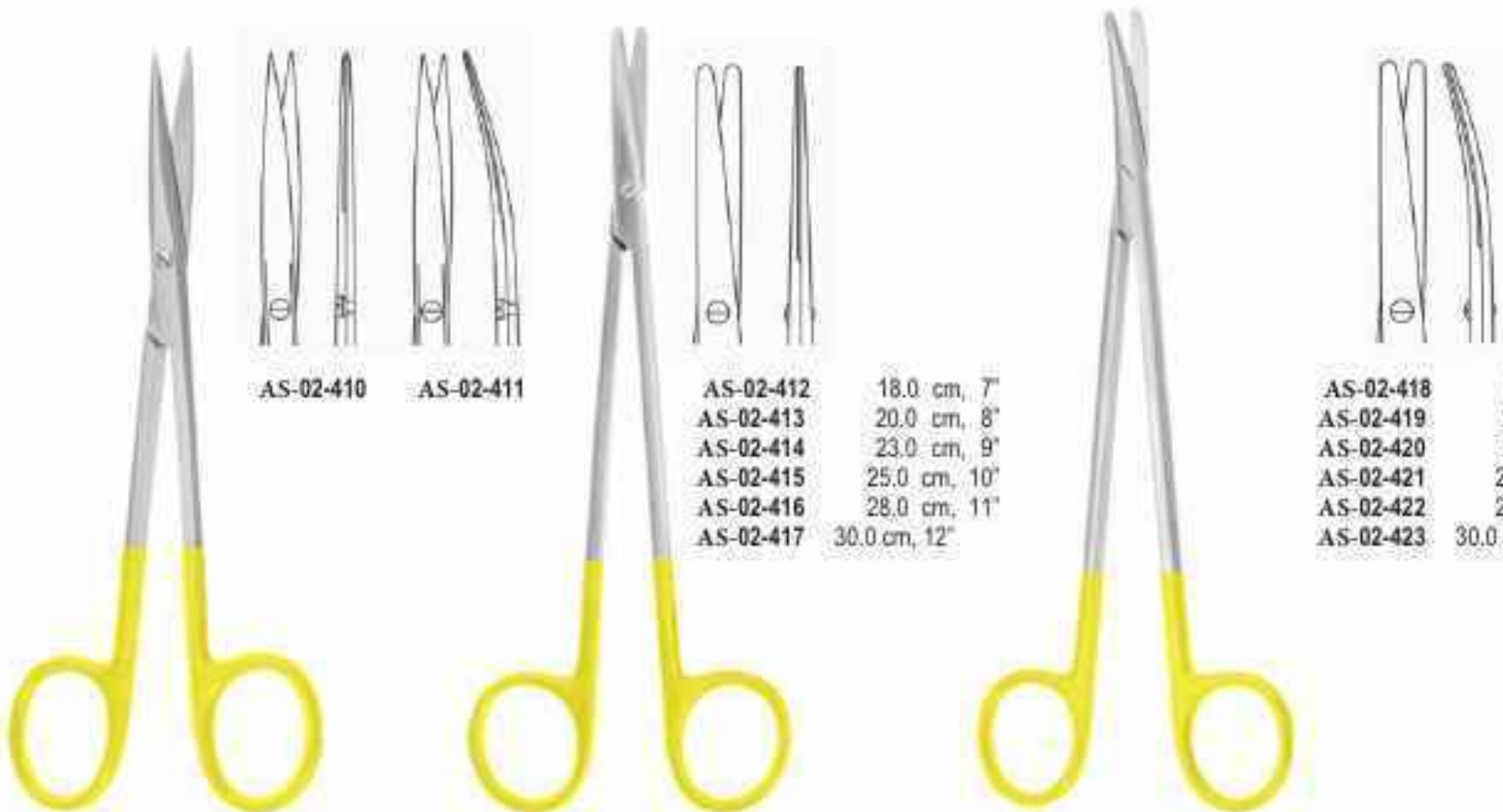
LEXER
AS-02-402 16.0 cm, 6 1/4"
AS-02-403 21.0 cm, 8 1/4"



BABY-METZENBAUM
AS-02-404 -
AS-02-405 11.5 cm,
4 1/2"

METZENBAUM
AS-02-406 -
AS-02-407 14.5
cm, 5 3/4"

METZENBAUM
AS-02-408 -
AS-02-409 14.5 cm, 5
3/4"



METZENBAUM
AS-02-410 -
AS-02-411 14.5 cm, 5
3/4"

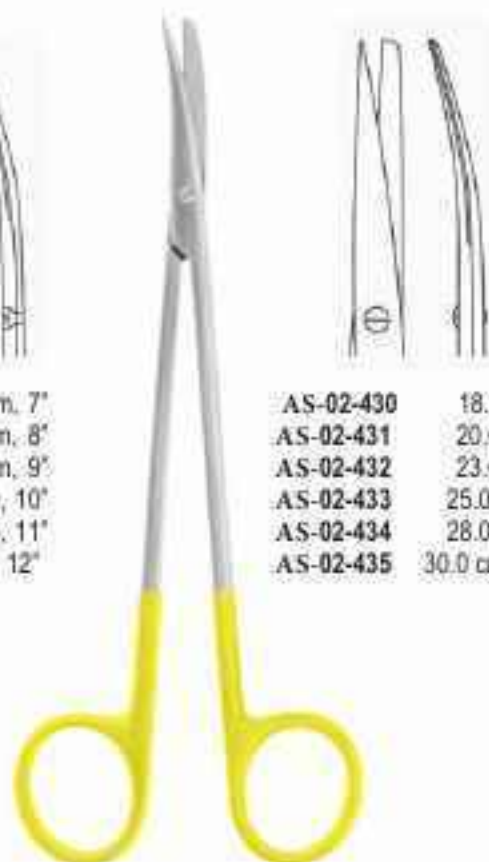
METZENBAUM
AS-02-412 -
AS-02-417

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



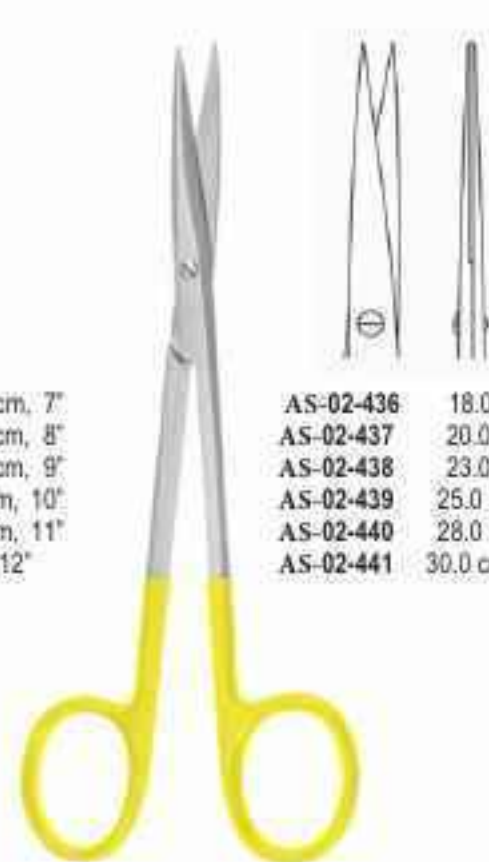
AS-02-424	18.0 cm, 7"
AS-02-425	20.0 cm, 8"
AS-02-426	23.0 cm, 9"
AS-02-427	25.0 cm, 10"
AS-02-428	28.0 cm, 11"
AS-02-429	30.0 cm, 12"

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



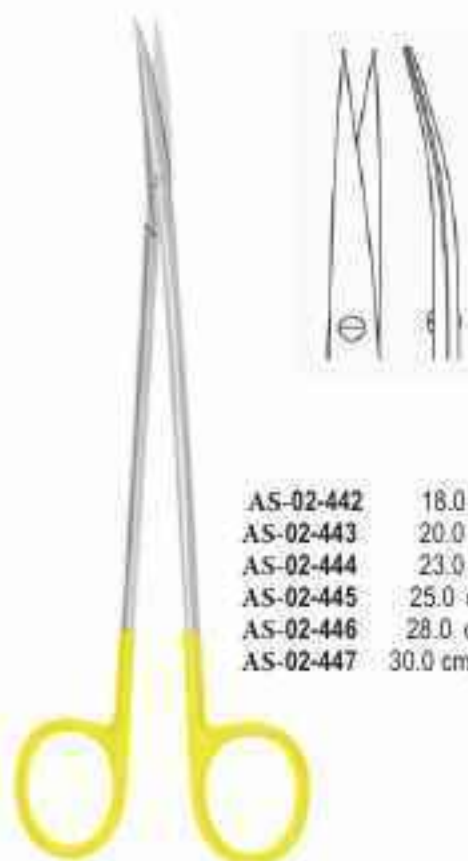
AS-02-430	18.0 cm, 7"
AS-02-431	20.0 cm, 8"
AS-02-432	23.0 cm, 9"
AS-02-433	25.0 cm, 10"
AS-02-434	28.0 cm, 11"
AS-02-435	30.0 cm, 12"

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



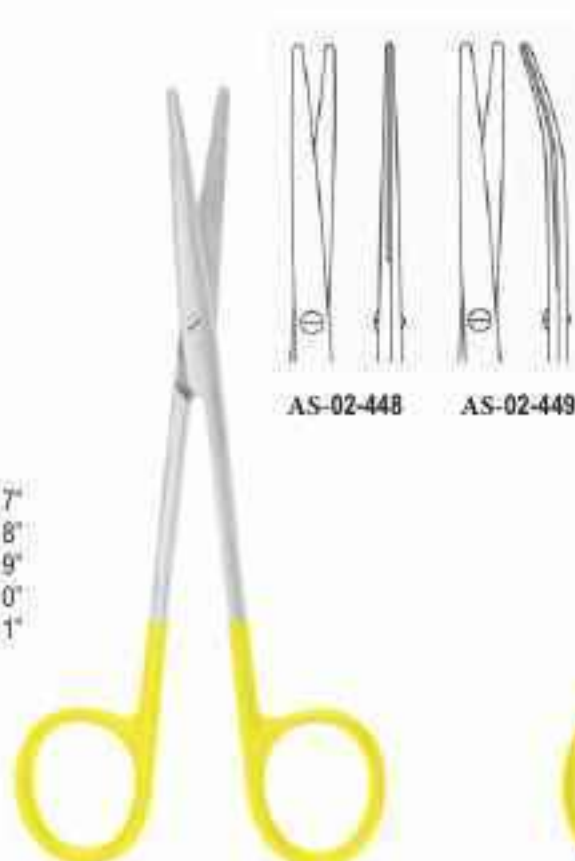
AS-02-436	18.0 cm, 7"
AS-02-437	20.0 cm, 8"
AS-02-438	23.0 cm, 9"
AS-02-439	25.0 cm, 10"
AS-02-440	28.0 cm, 11"
AS-02-441	30.0 cm, 12"

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



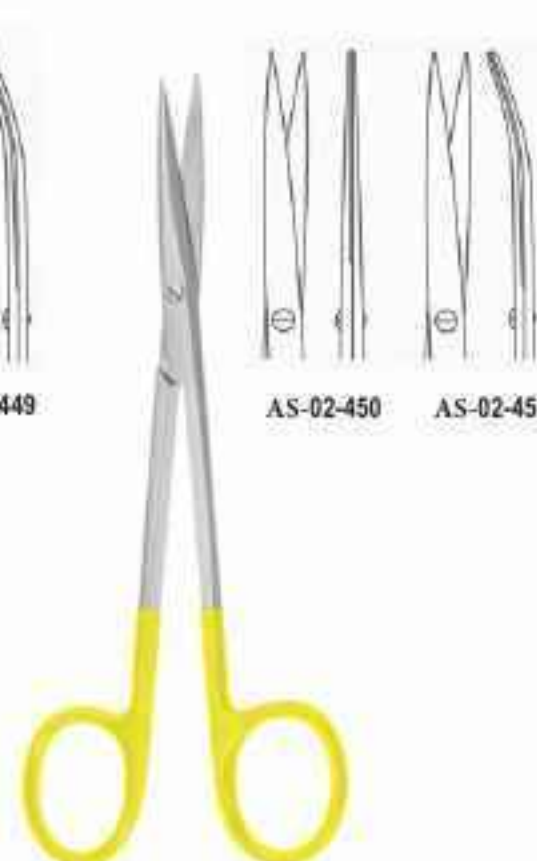
AS-02-442	18.0 cm, 7"
AS-02-443	20.0 cm, 8"
AS-02-444	23.0 cm, 9"
AS-02-445	25.0 cm, 10"
AS-02-446	28.0 cm, 11"
AS-02-447	30.0 cm, 12"

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"



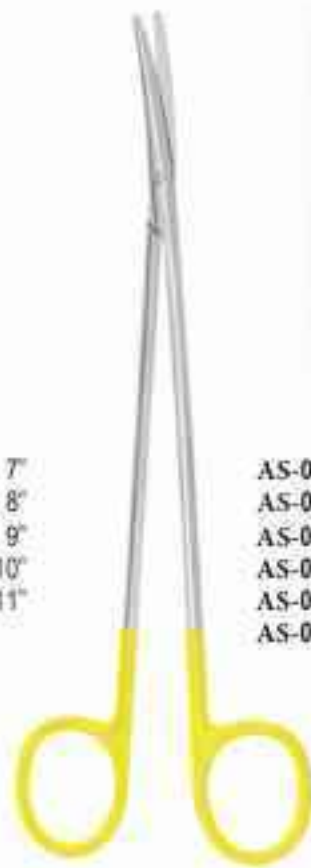
AS-02-450 AS-02-451

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



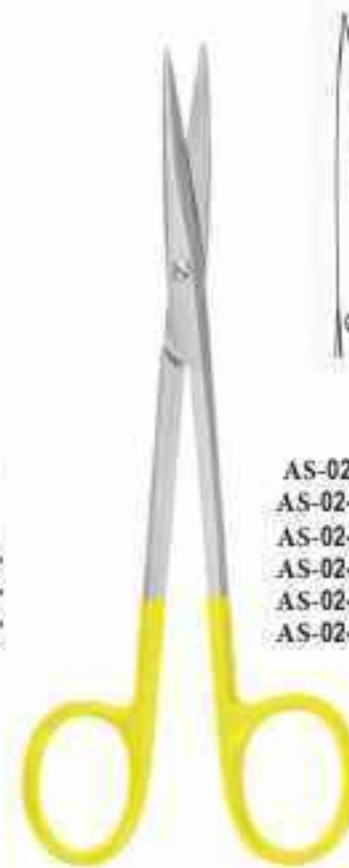
AS-02-452	18.0 cm, 7"
AS-02-453	20.0 cm, 8"
AS-02-454	23.0 cm, 9"
AS-02-455	25.0 cm, 10"
AS-02-456	28.0 cm, 11"
AS-02-457	30.0 cm, 12"

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



AS-02-458	18.0 cm, 7"
AS-02-459	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"

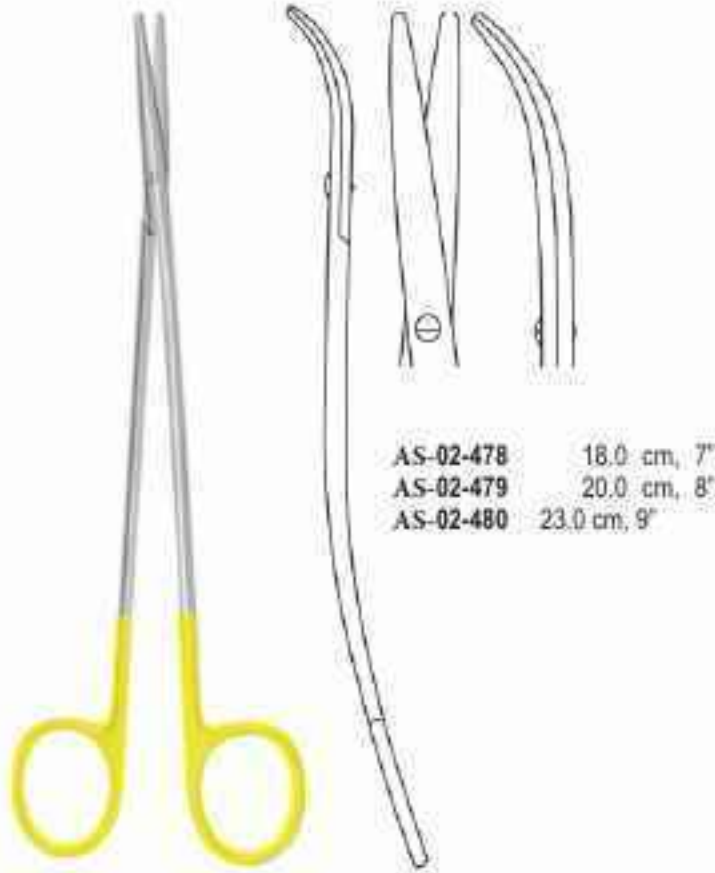
METZENBAUM-FINO
AS-02-470 -
AS-02-475



METZENBAUM-LAHEY
AS-02-476
14.5 cm, 5 7/8"



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



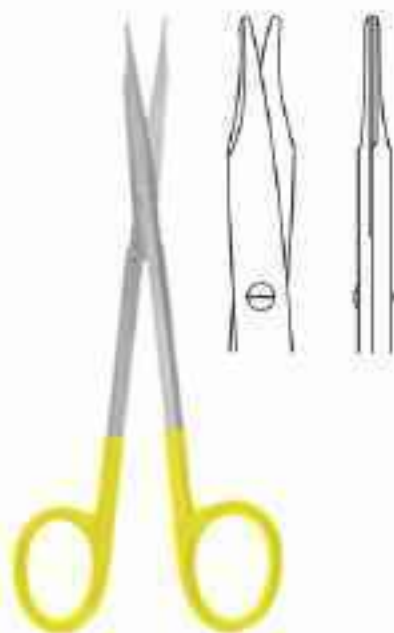
AS-02-478 18.0 cm, 7"
AS-02-479 20.0 cm, 8"
AS-02-480 23.0 cm, 9"

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

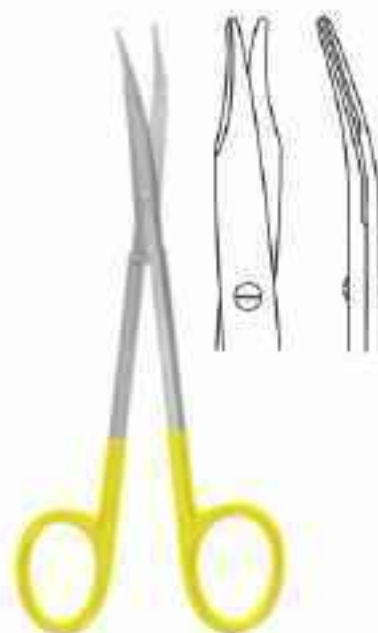


AS-02-481 18.0 cm, 7"
AS-02-482 20.0 cm, 8"
AS-02-483 23.0 cm, 9"

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



REYNOLDS
AS-02-484
15.0 cm, 6"



REYNOLDS
AS-02-485
15.0 cm, 6"



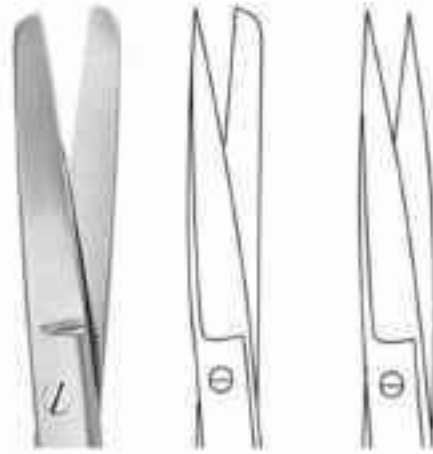
HYSTEREKTOMY
AS-02-486
25.5 cm, 10"



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"



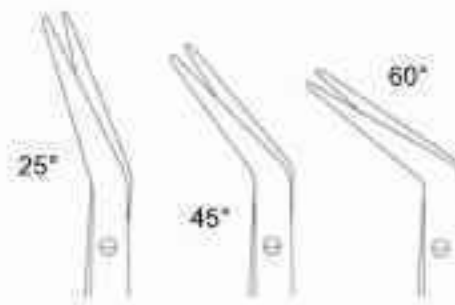
DIETHRICH
AS-02-492
17.5 cm, 6 5/8"



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



DE BAKEY
AS-02-494 -
AS-02-495



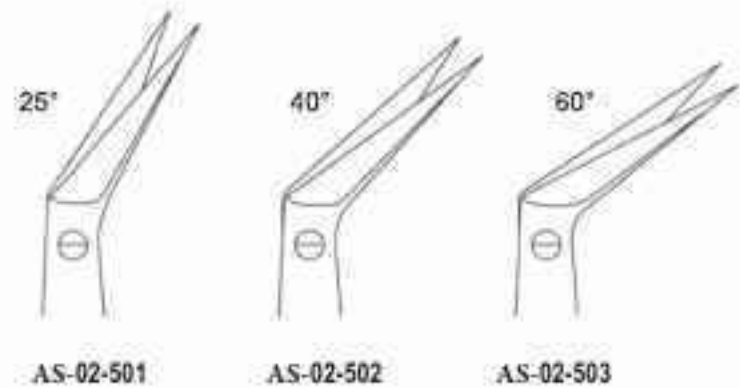
AS-02-494 20.0 cm, 8"
AS-02-495 23.0 cm, 9"



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



POTTS-SMITH
AS-02-501 -
AS-02-503 18.0 cm,
7 1/8"





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



AS-02-504



AS-02-505



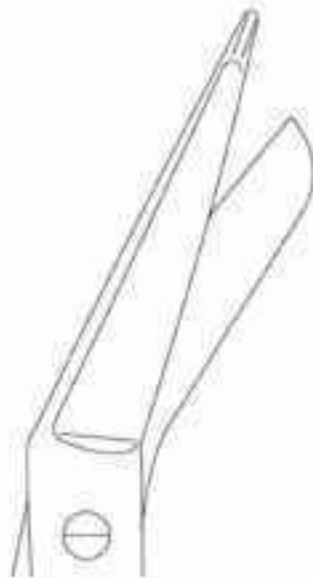
UNIVERSAL
AS-02-506
12.0 cm, 4 3/4"



gezahnt
serrated
dentada
dentata



LISTER
AS-02-507
18.0 cm, 7"

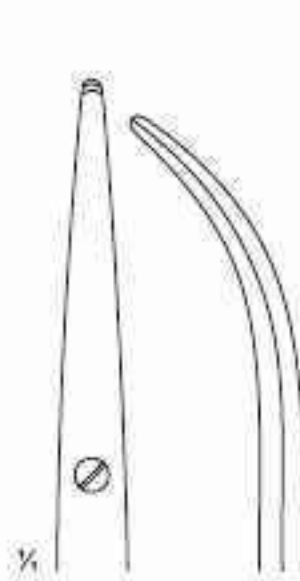


LISTER
BC-408
24.0 cm, 9 1/2"





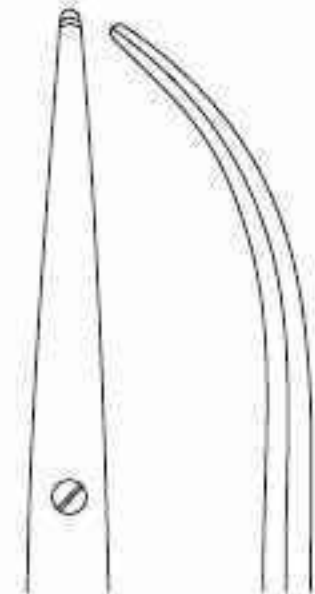
METZENBAUM-THOREK
AS-02-509 - AS-02-511



AS-02-509
200 mm



AS-02-510
230 mm



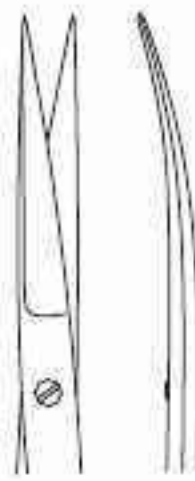
AS-02-511
280 mm



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



AS-02-512
14.5 cm



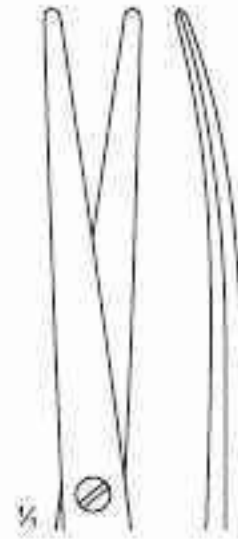
AS-02-513
14.5 cm



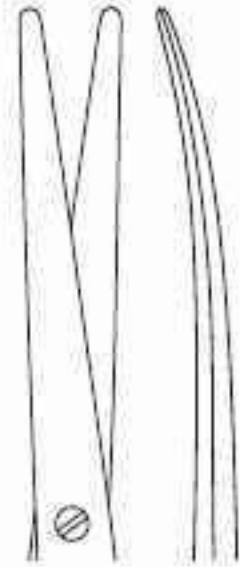
TOENNIS-ADSON
AS-02-514
175 mm
slender pattern



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



AS-02-515
205 mm



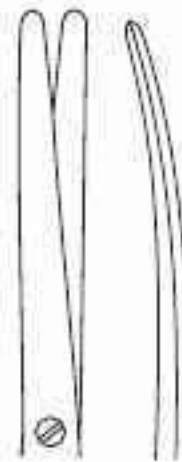
AS-02-516
230 mm



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



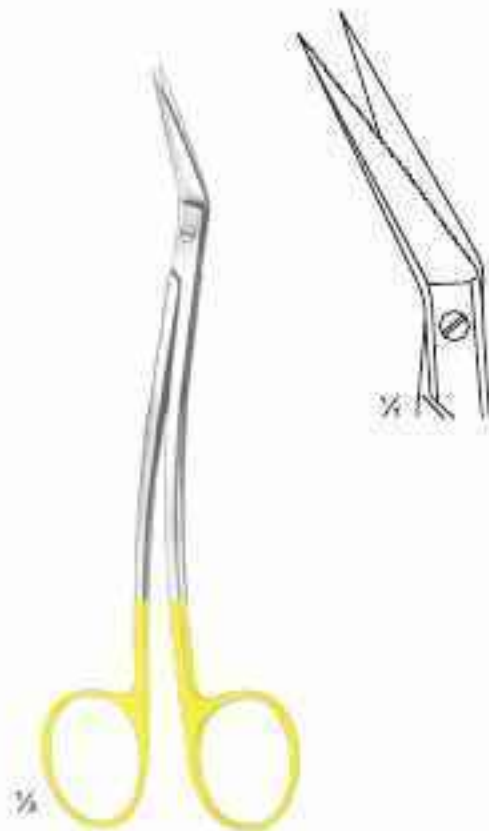
AS-02-517
180 mm



AS-02-518
205 mm



AS-02-519
230 mm



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

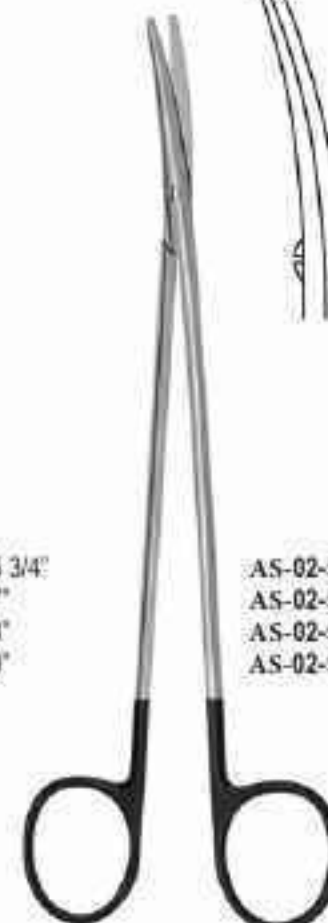


AS-02-523



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"





AS-02-537



AS-02-538

STRABISMUS
AS-02-537 -
AS-02-538 11.5 cm,
4 1/2"



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"



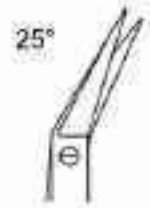
PAR TYPE
AS-02-548
12.0 cm, 4 3/4"



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"





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



AS-02-555
14.5 cm



AS-02-556
18 cm



AS-02-557
20.5 cm



AS-02-558
23 cm



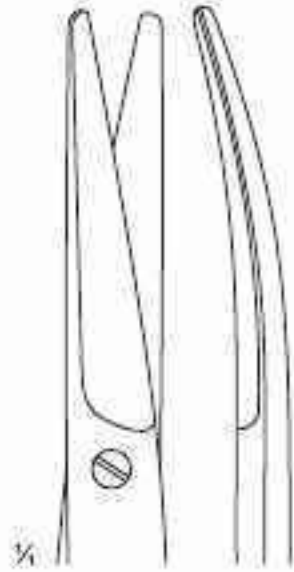
AS-02-559
25 cm



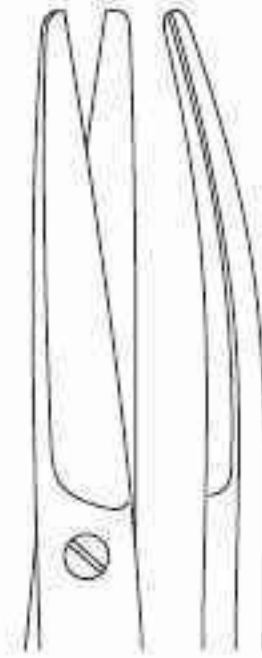
AS-02-560
30 cm



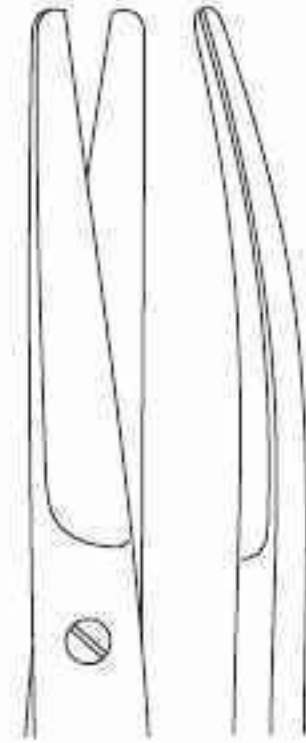
LIGATURE SCISSORS
AS-02-561 - AS-02-563
for synthetic suture
material, one toothed
cutting edge



AS-02-561
14.5 cm



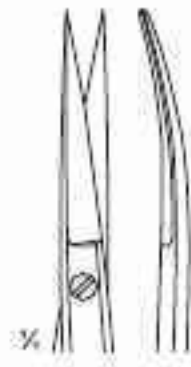
AS-02-562
17 cm

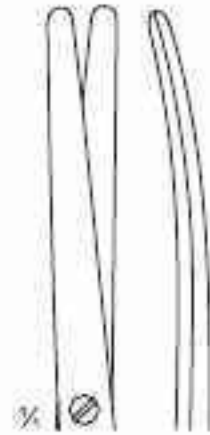


AS-02-563
23 cm



IRIS
AS-02-564
11.5 cm

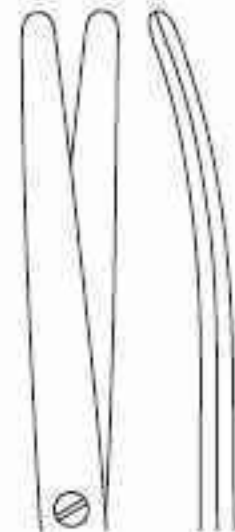




AS-02-565
18 cm



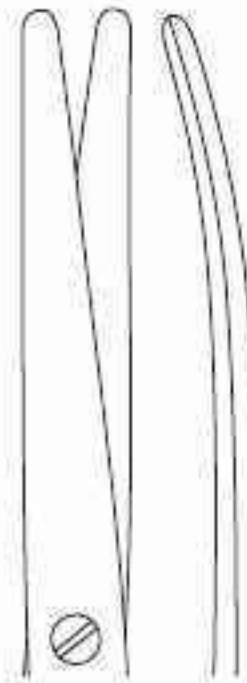
AS-02-566
20 cm



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



AS-03-128
BOWMAN
130 mm

German Silver



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
Modell PICCOLO
Round Serrated end
110 mm



AS-03-134
LATHBURY-FARREL
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



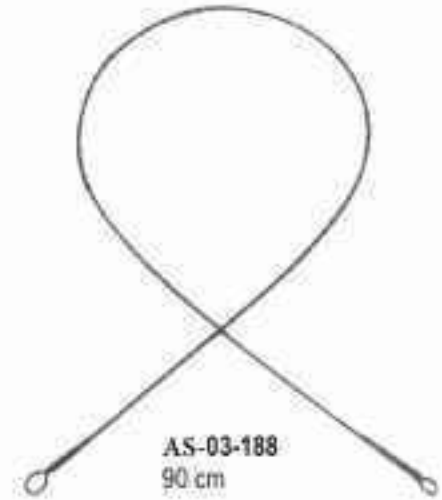
AS-03-184
Ø 9 mm



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



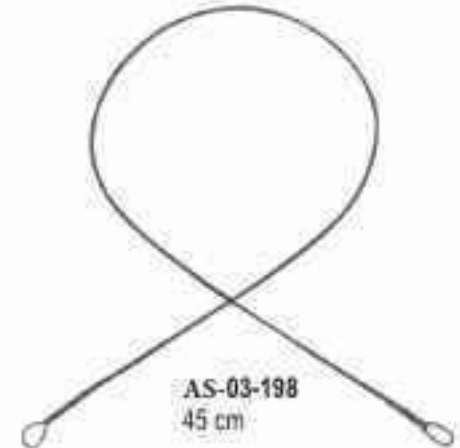
AS-03-195



AS-03-196



AS-03-197



AS-03-198
45 cm

Page 78–102

- 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



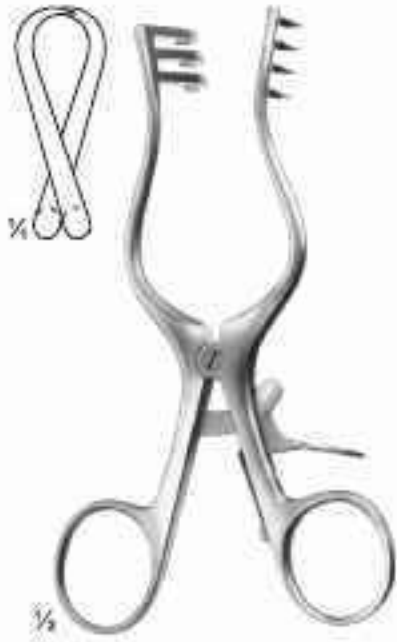
AS-04-104
WEITLANER
Sharp
130 mm



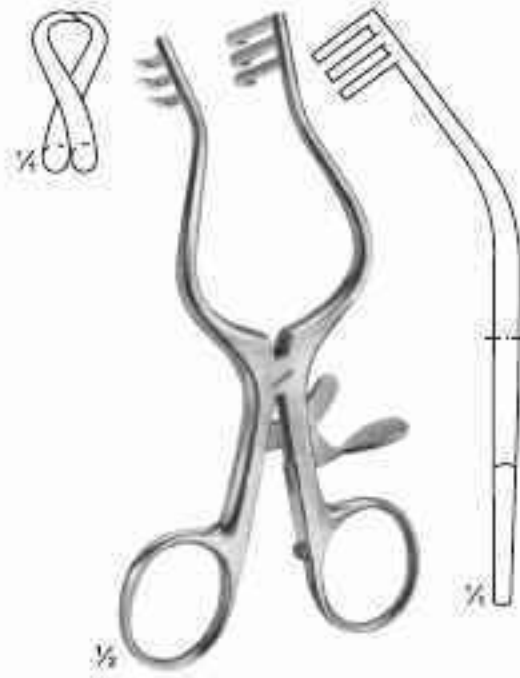
AS-04-105
WEITLANER
Semi-Sharp
130 mm



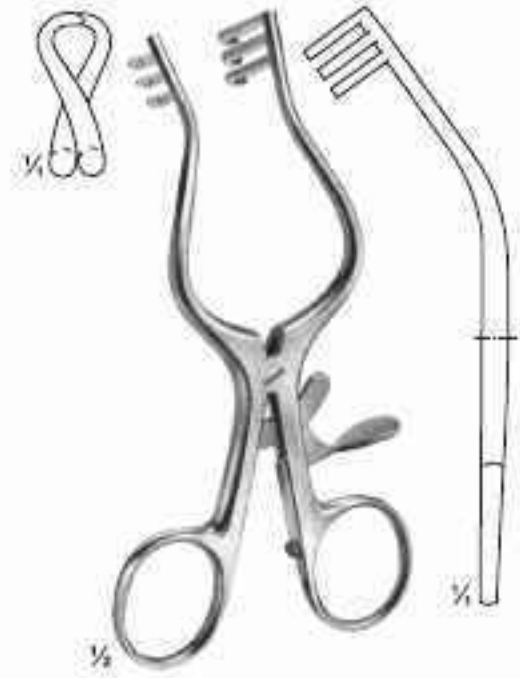
AS-04-106
WEITLANER
Blunt
130 mm



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



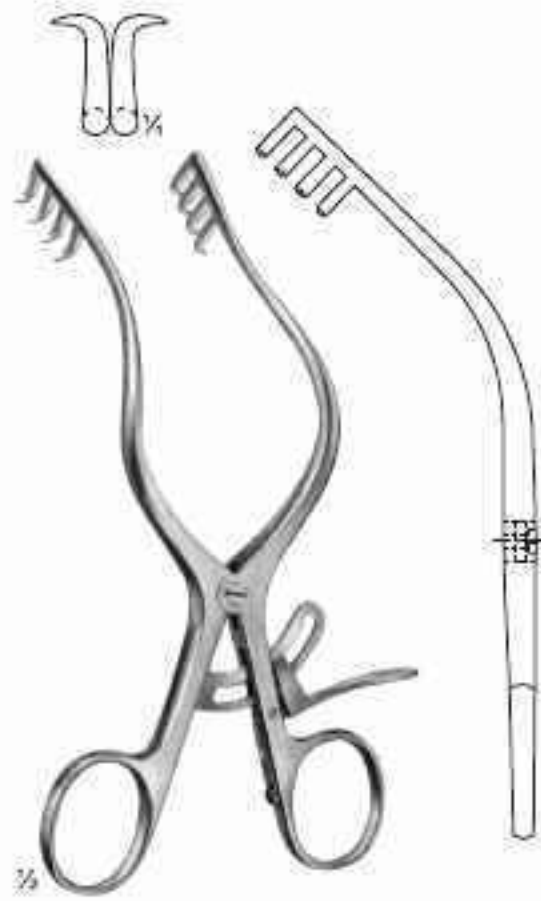
AS-04-111
PLESTER
Blunt
110 mm



AS-04-112
PERKINS
130 mm



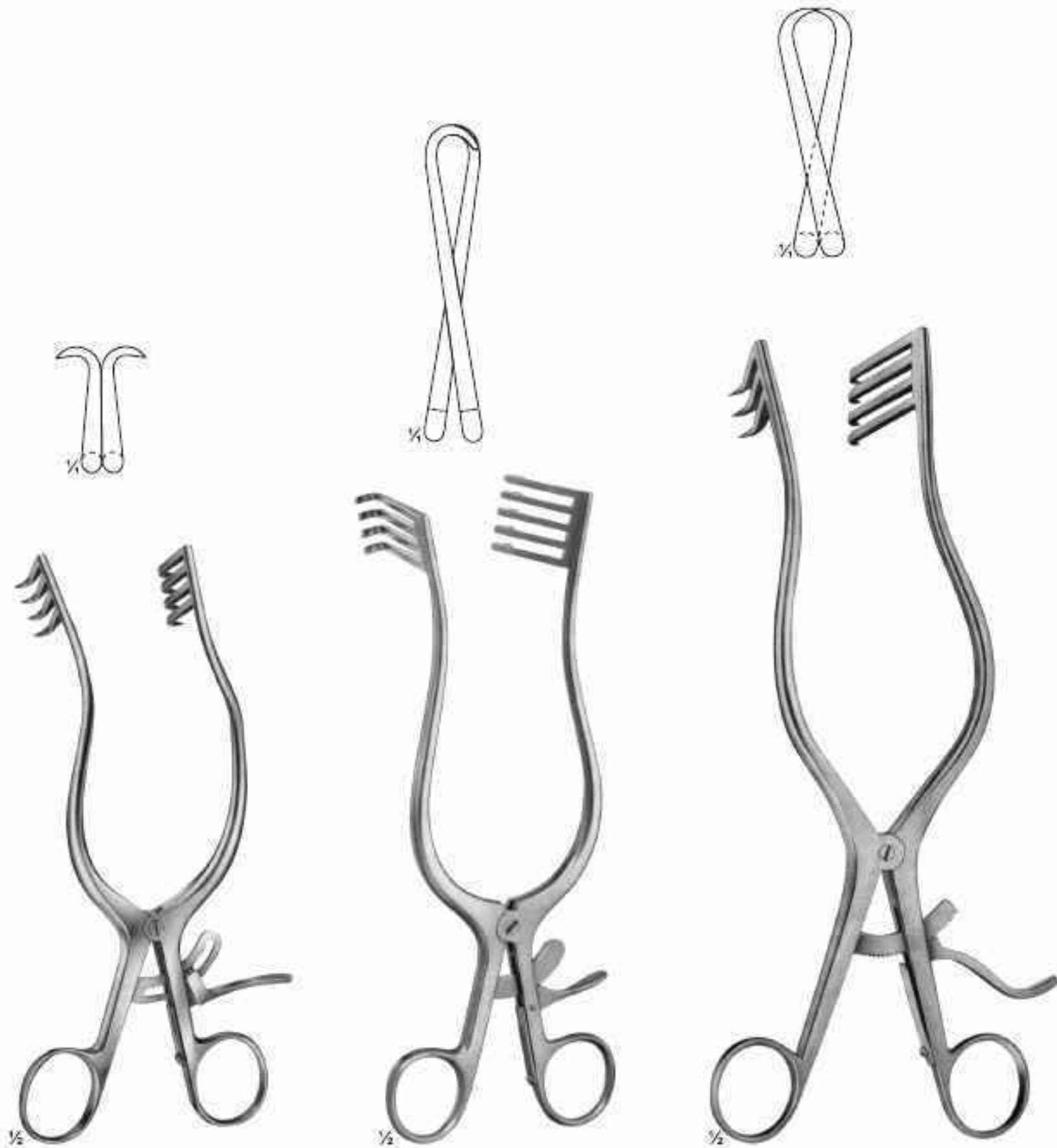
AS-04-113
ADSON-BABY
Blunt
140 mm



AS-04-114
MOLLISON
Sharp
155 mm



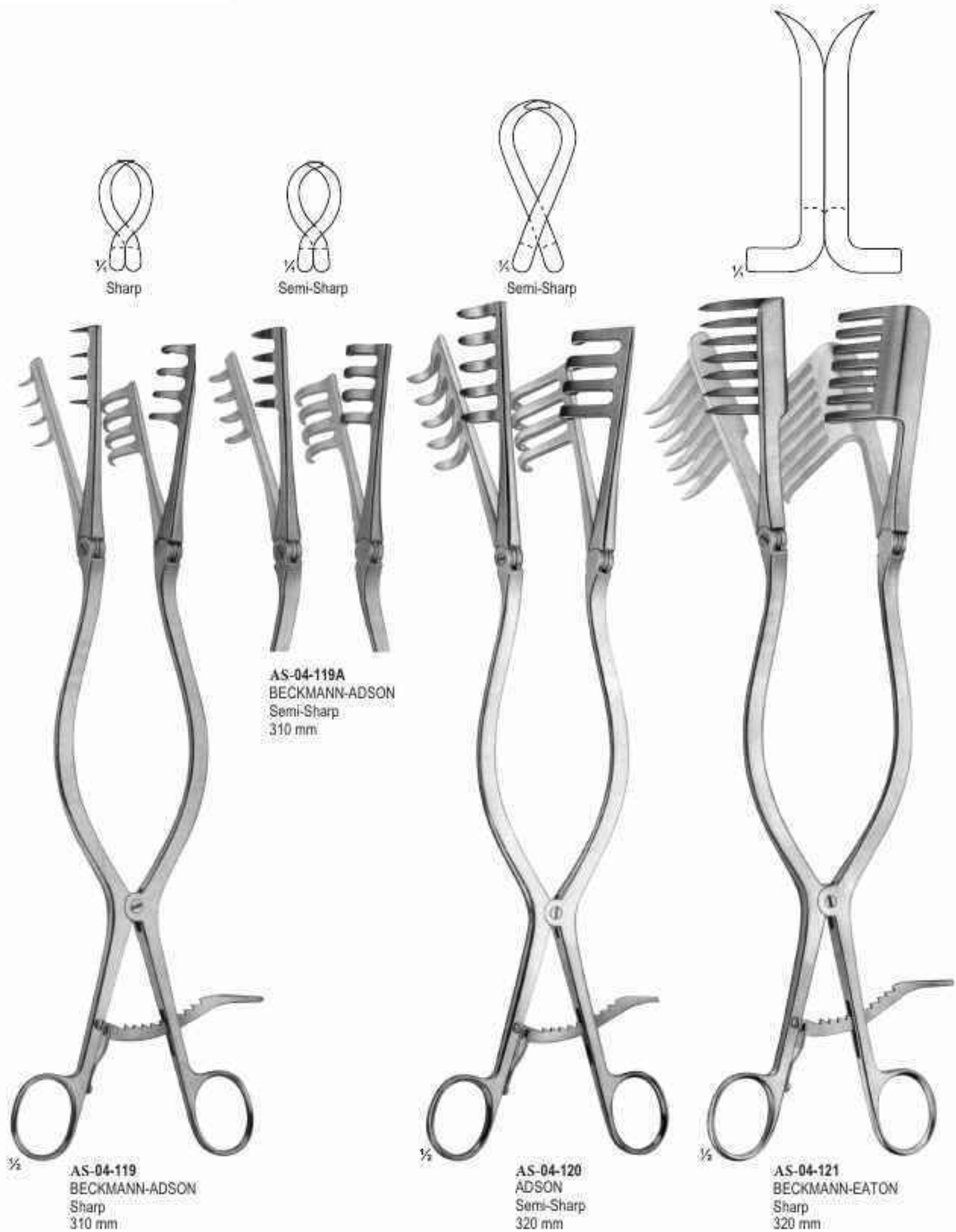
AS-04-115
MAYO-ADAMS
165 mm



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-04-122
JACKSON
BURROWS Retractor,
blunt
185 mm



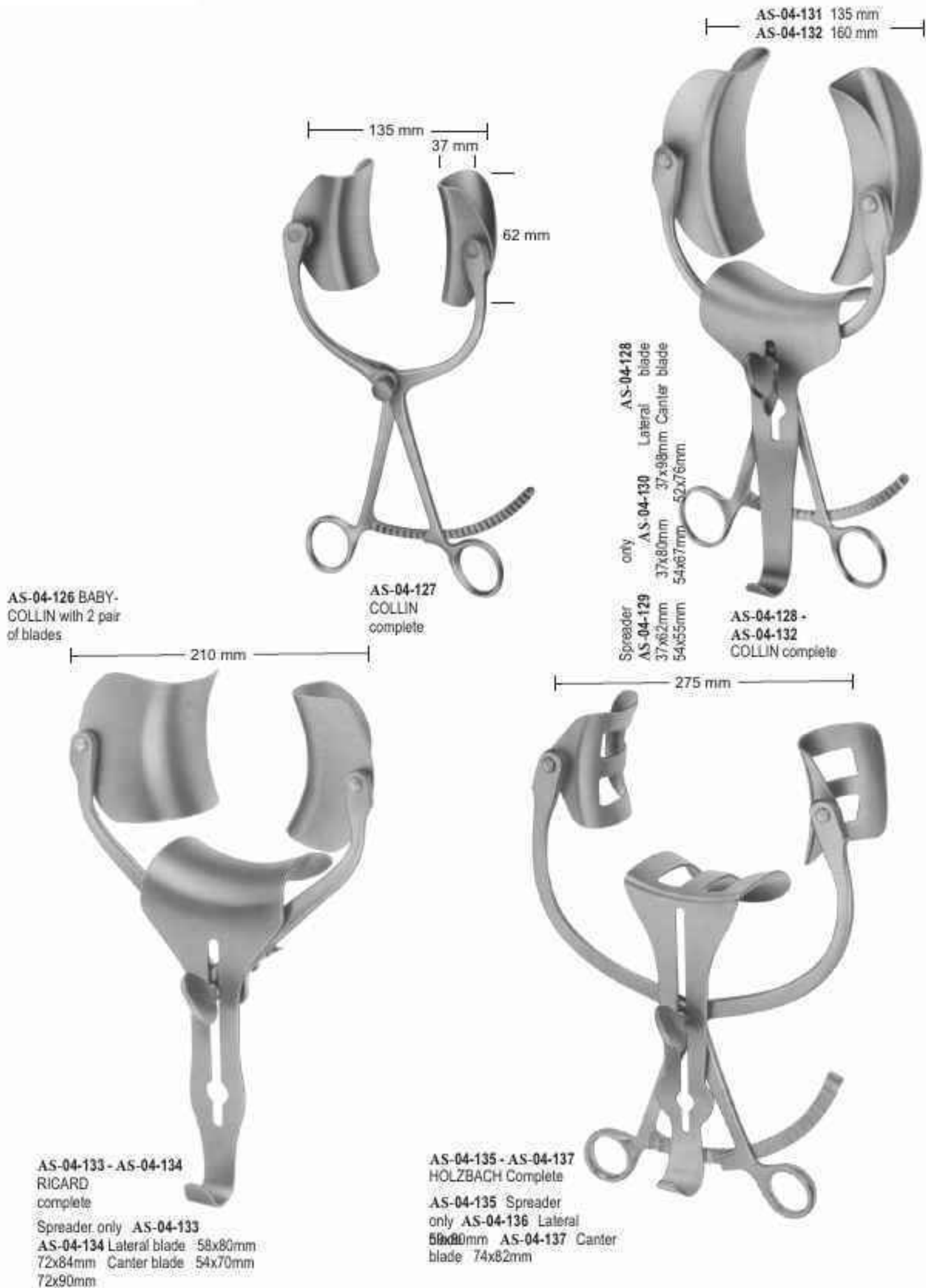
AS-04-123
GELPI
Vaginal Retractor
135 mm

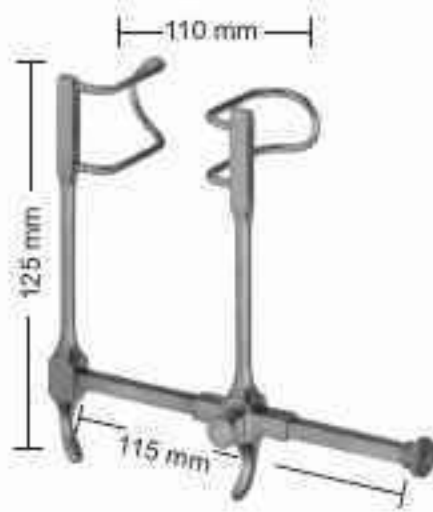


AS-04-124
GELPI
Skin- and Vaginal Retractor
175 mm

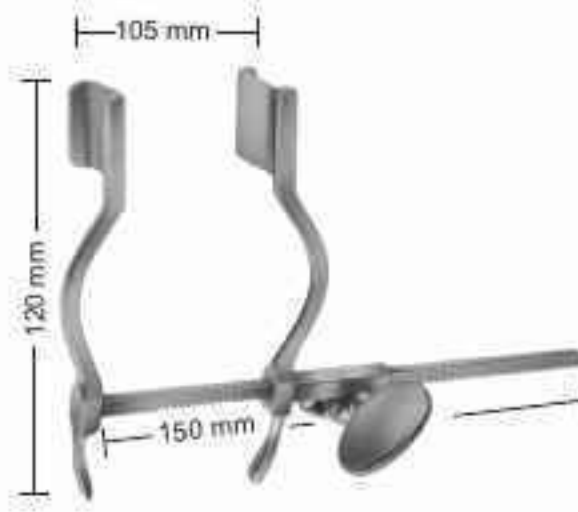


AS-04-125
DE BAKEY
Femur Retractor
145 mm

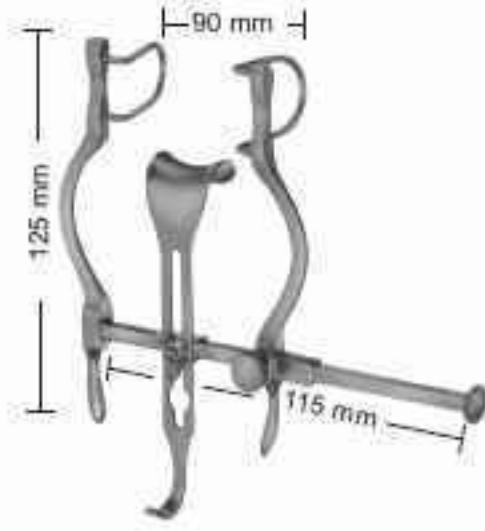




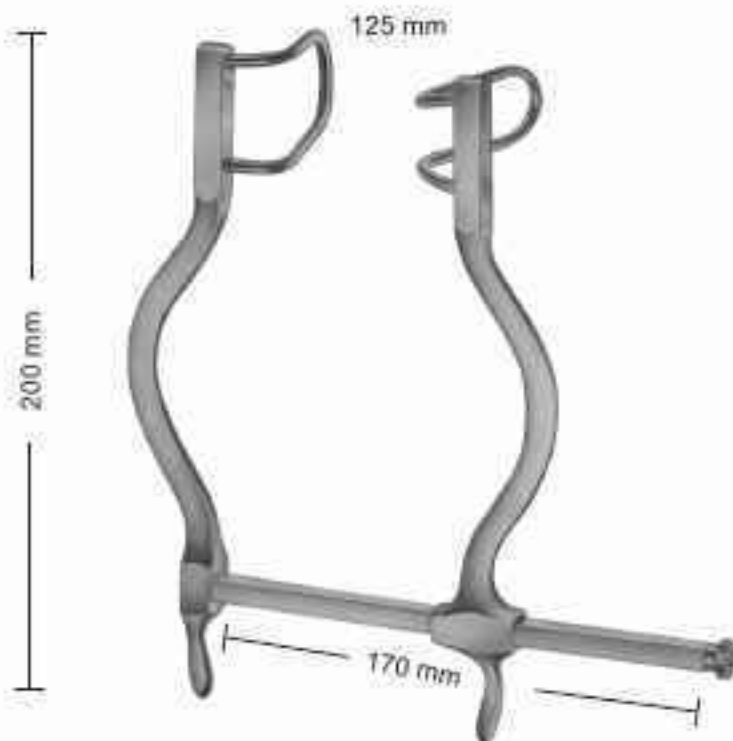
AS-04-138
GOSSET
Blades: 38 mm deep



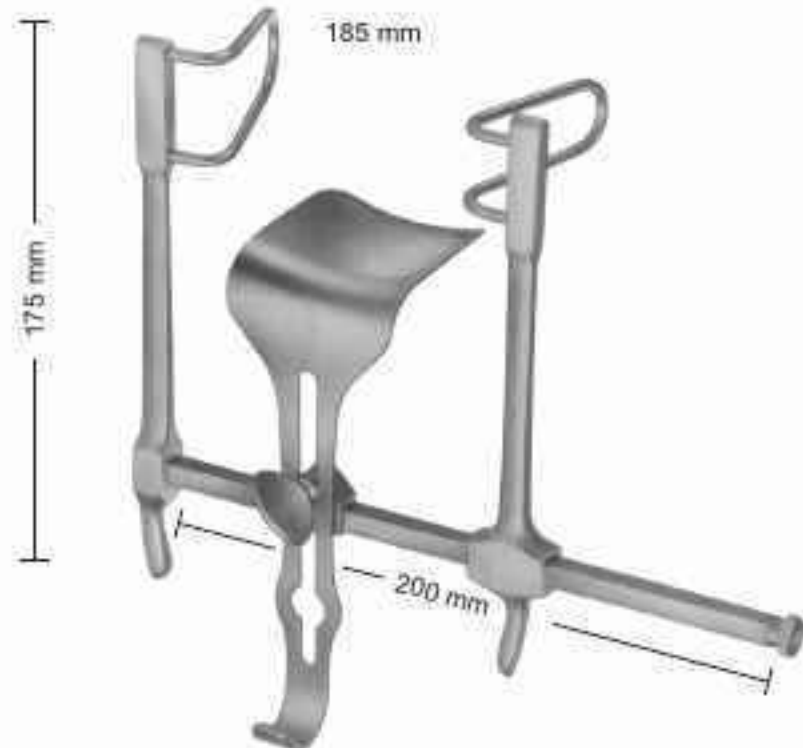
AS-04-139
HERTZLER Blades
20 X 25 mm



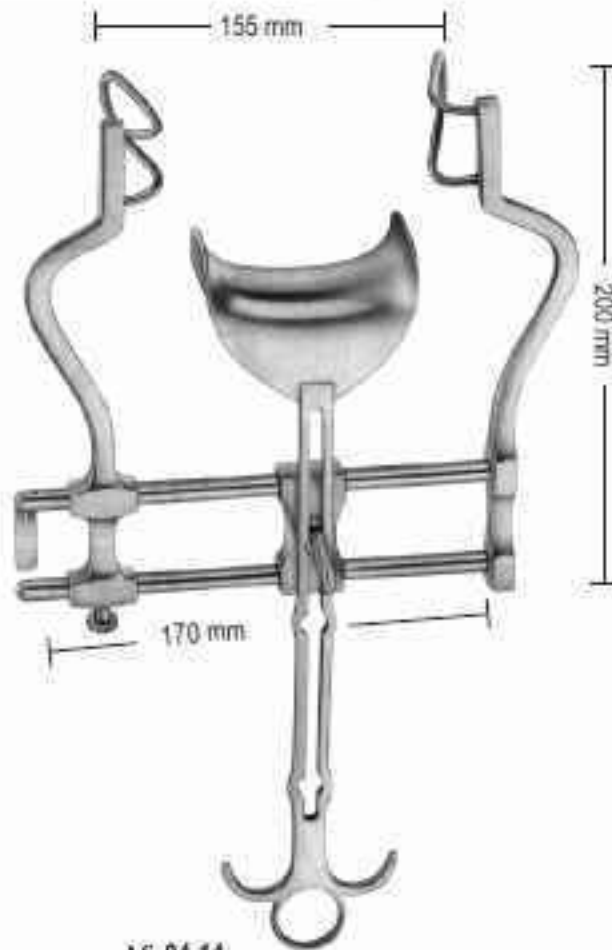
AS-04-140
BALFOUR-BABY
Lateral blades: 27 mm deep
Center blade: 21x24 mm



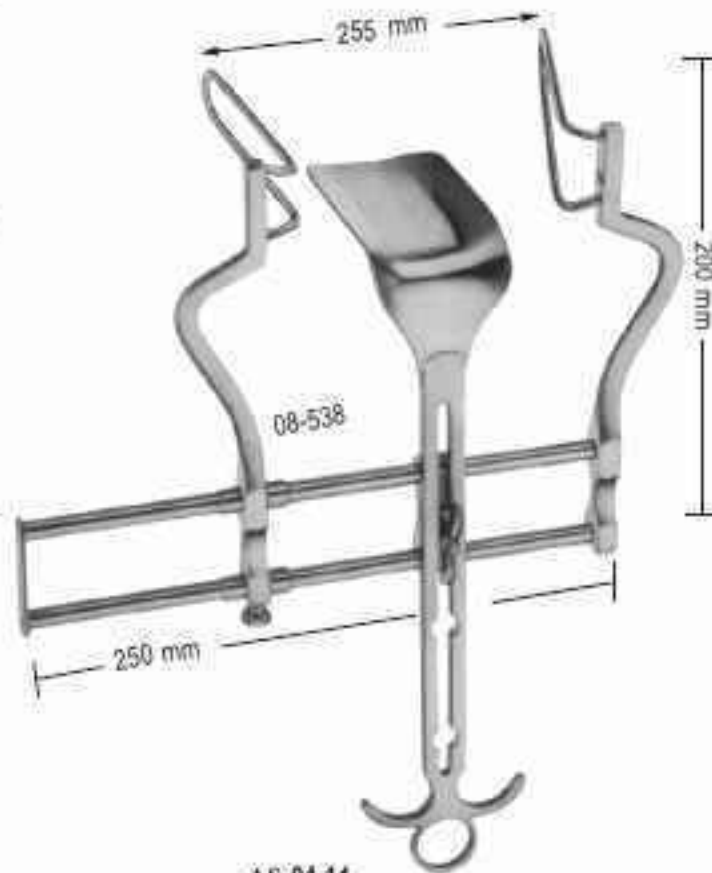
AS-04-141
GOSSET
Blades: 55mm deep



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



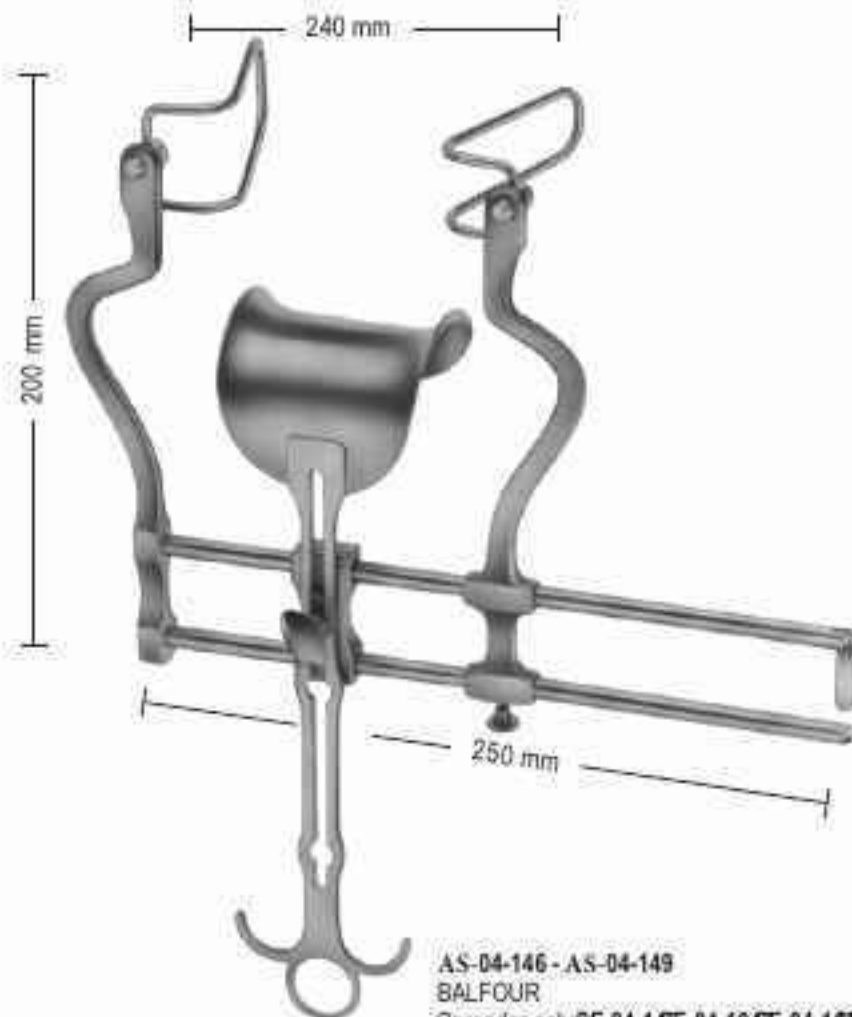
AS-04-14
3
BALFOUR
Blades: 60 mm deep
Center blade: 47 x 80 mm



AS-04-14
4
BALFOUR
Blades: 105 mm deep
Center blade: 107 x 59 mm



AS-04-145
Center blade only
54x80 mm



AS-04-146 - AS-04-149
BALFOUR
Spreader only SF-04-146 SF-04-147 SF-04-148 SF-04-149
Lateral blades: 50 mm 60 mm 75 mm 90 mm
Center blade: 47 x 80 mm 62x76 mm 80x80 mm 80x80 mm



Sales Unit of blades: PR = pair

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



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



AS-04-161



AS-04-162



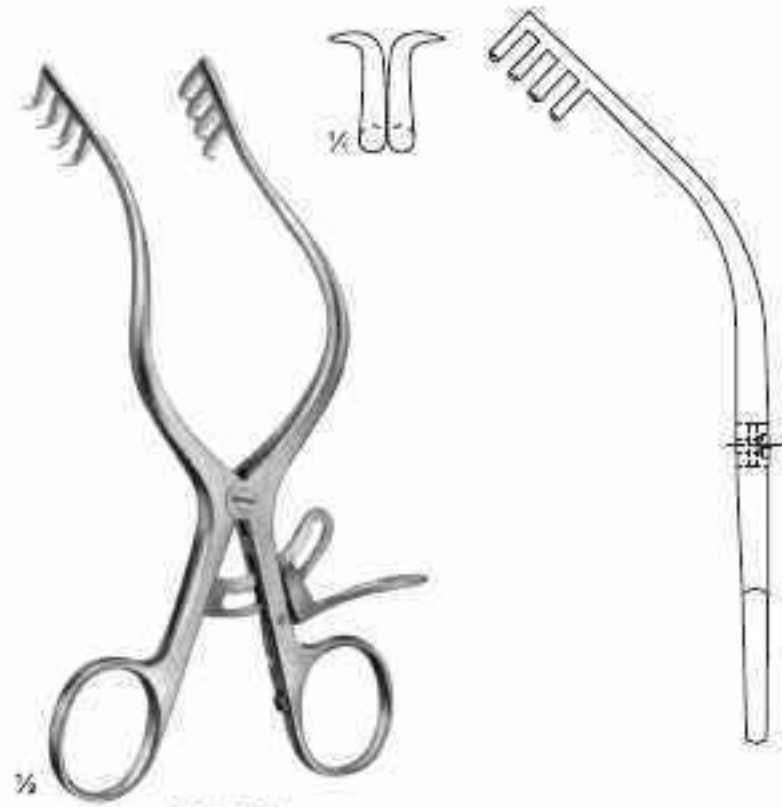
JANSEN
AS-04-163
100 mm



JANSEN
AS-04-164
100 mm



ADSON-BABY
Blunt
AS-04-165
14 cm



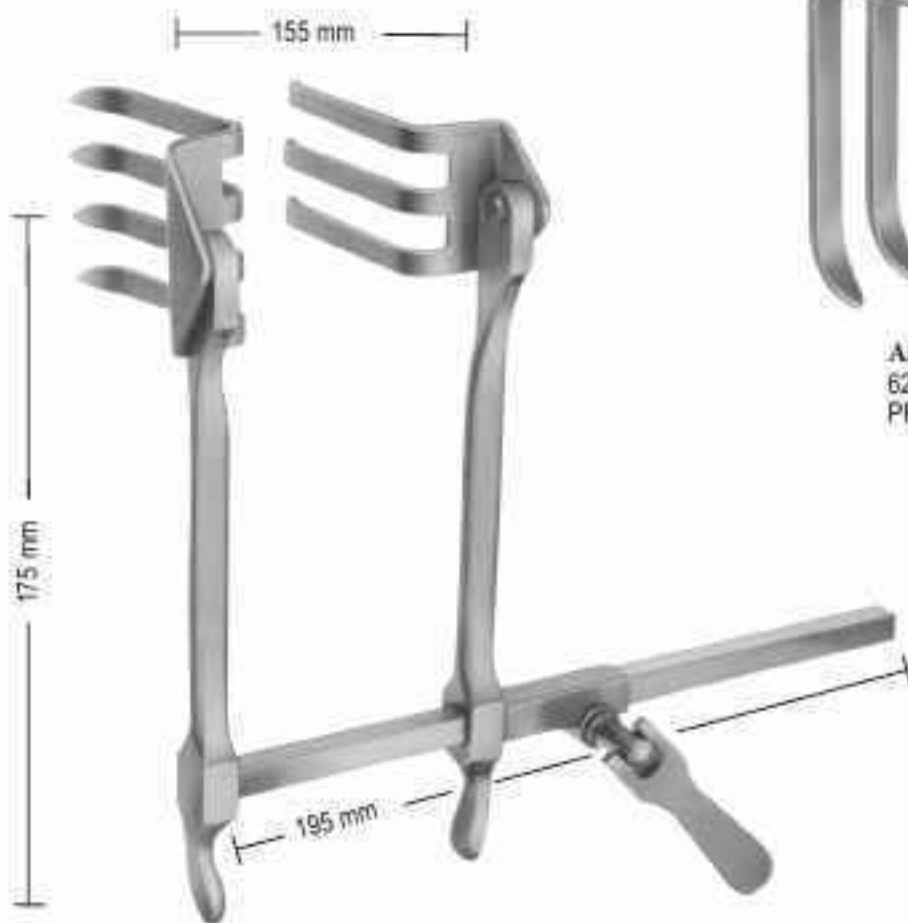
MOLLISON
Sharp
AS-04-166
15.5 cm



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



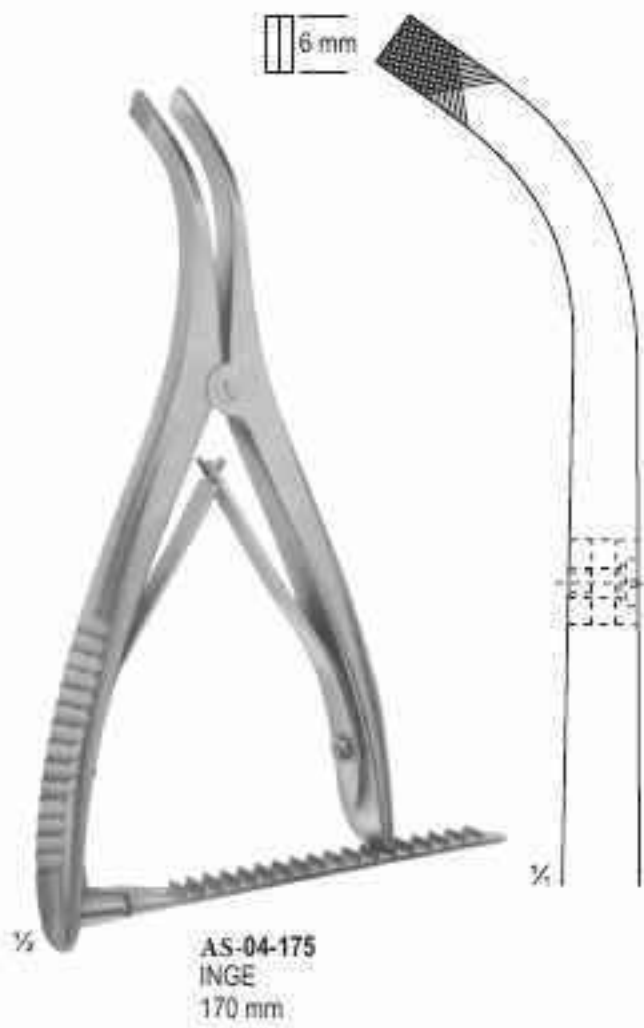
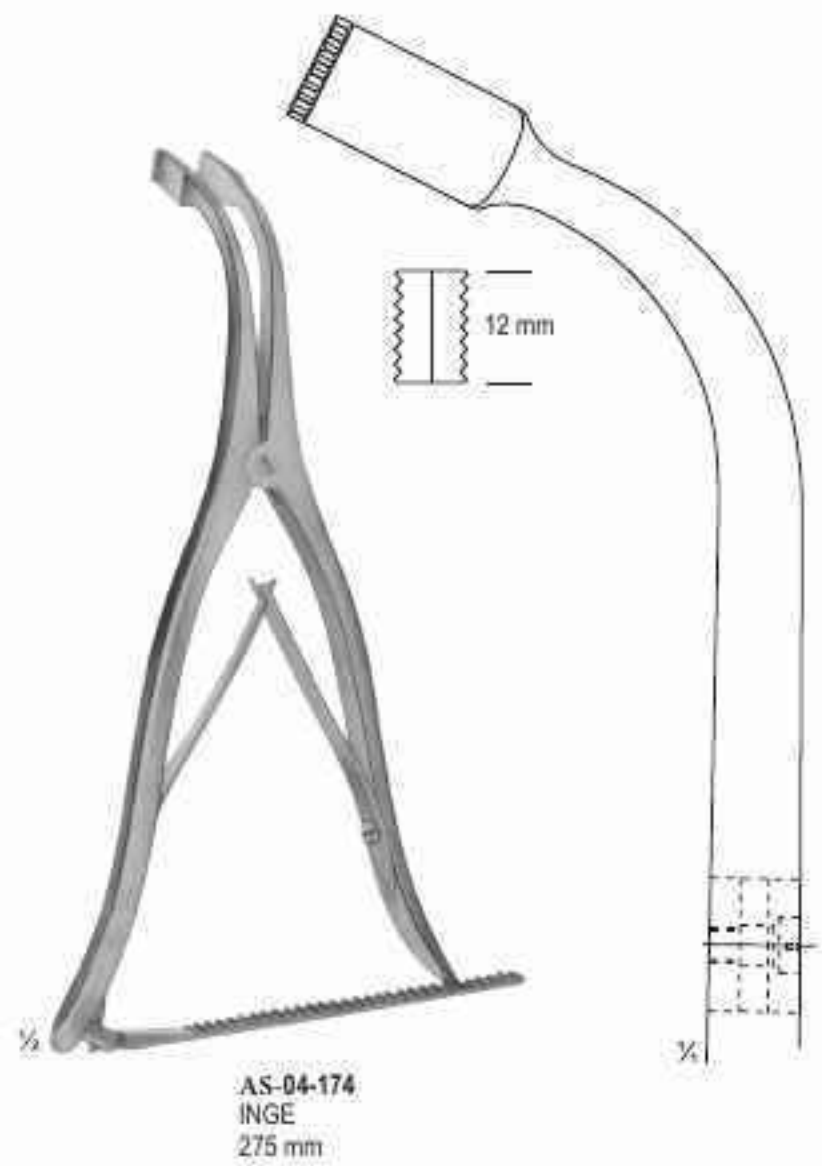
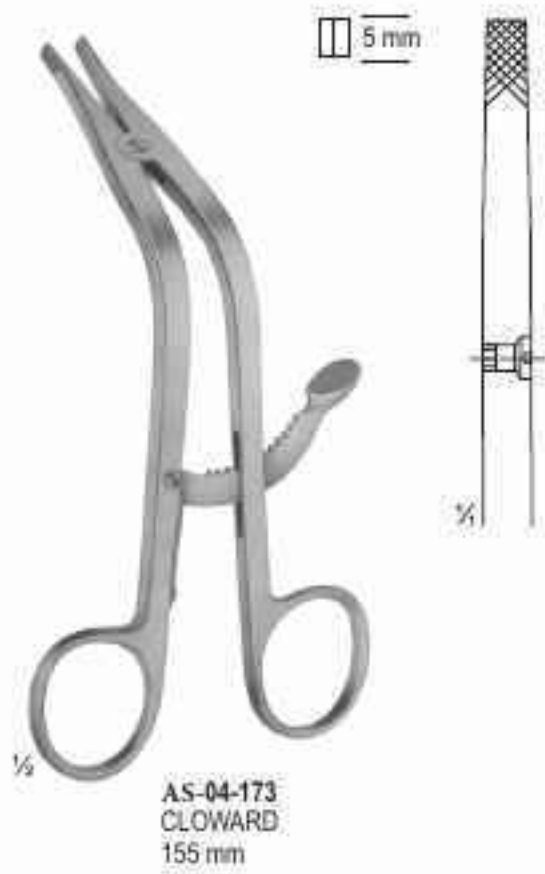
AS-04-170
47 x 51 mm



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



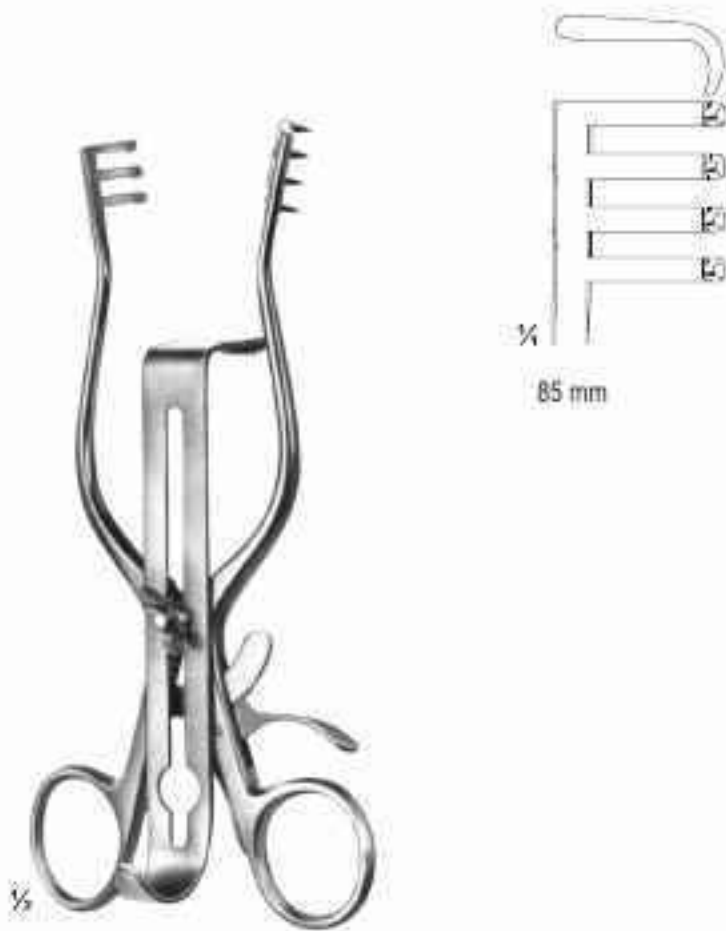
WEITLANER
Sharp
AS-04-179
13 cm



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



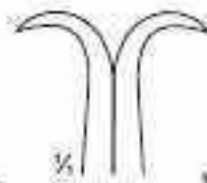
JOLL (FRIEDMAN)
AS-04-185
Thyroid and Vaginal Retractor
15.5 cm



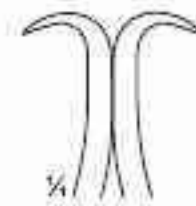
JACKSON BURROWS
AS-04-186 Retractor,
blunt
18.5 cm



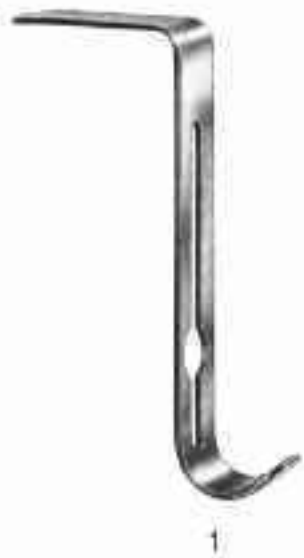
GELPI
AS-04-187
13.5 cm



GELPI
AS-04-188
17.5 cm



DE BAKEY
AS-04-189
14.5 cm



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 -

AE-04-238 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-04-22 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

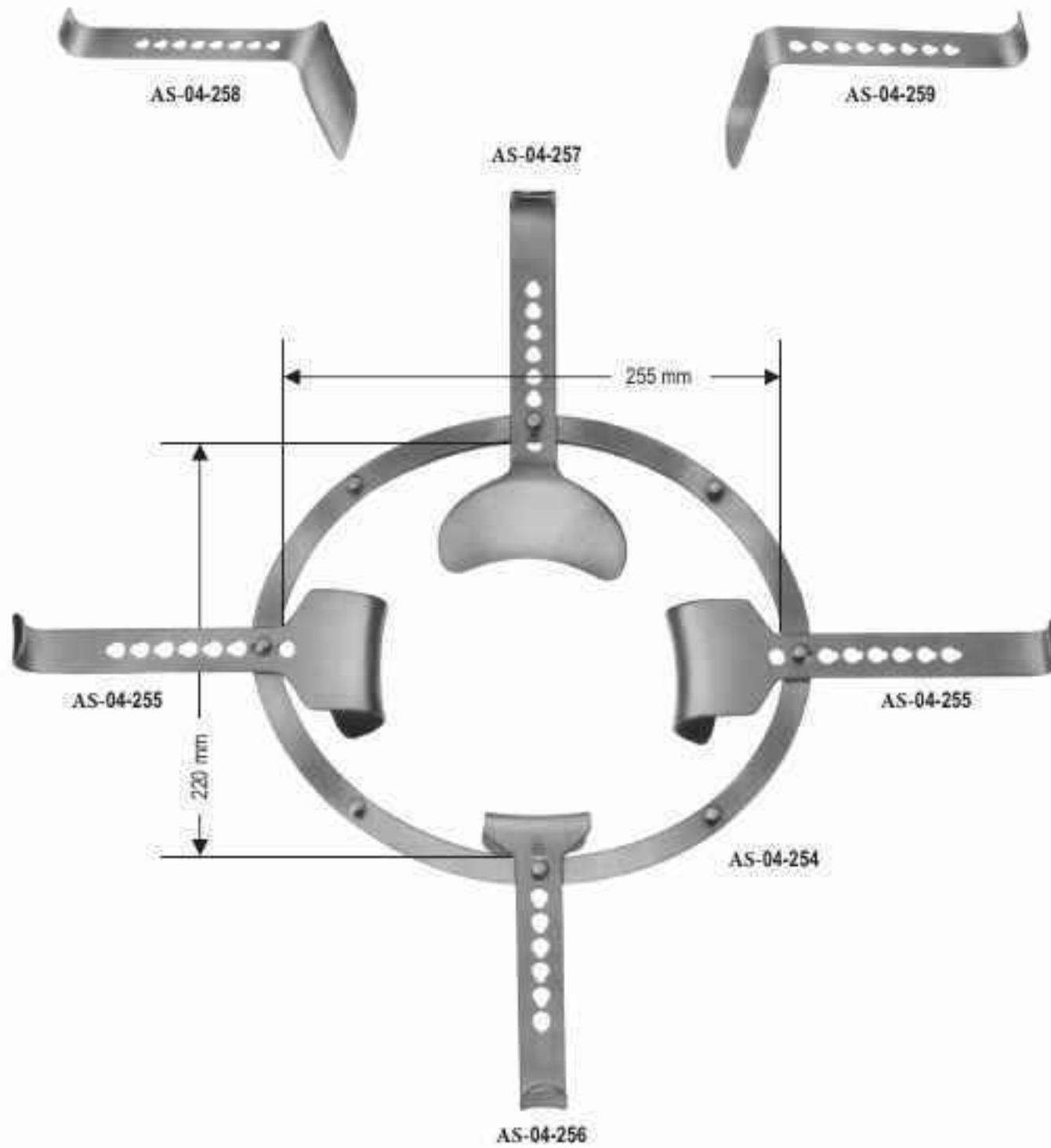
AS-04-247	31 cm, 25 mm	4 x 4 prongs sharp
AS-04-248	31 cm, 37 mm	4 x 4 prongs sharp
AS-04-249	31 cm, 48 mm	4 x 4 prongs sharp
AS-04-250	31 cm, 25 mm	4 x 4 prongs blunt
AS-04-251	31 cm, 37 mm	4 x 4 prongs blunt
AS-04-252	31 cm, 48 mm	4 x 4 prongs blunt



BECKMANN-EATON

AS-04-253

32 cm, 50 mm	7 x 7 prongs sharp
--------------	--------------------



AS-04-254 - AS-04-259

SEMM

consisting of:

AS-04-254 1 frame 225 x 220 mm

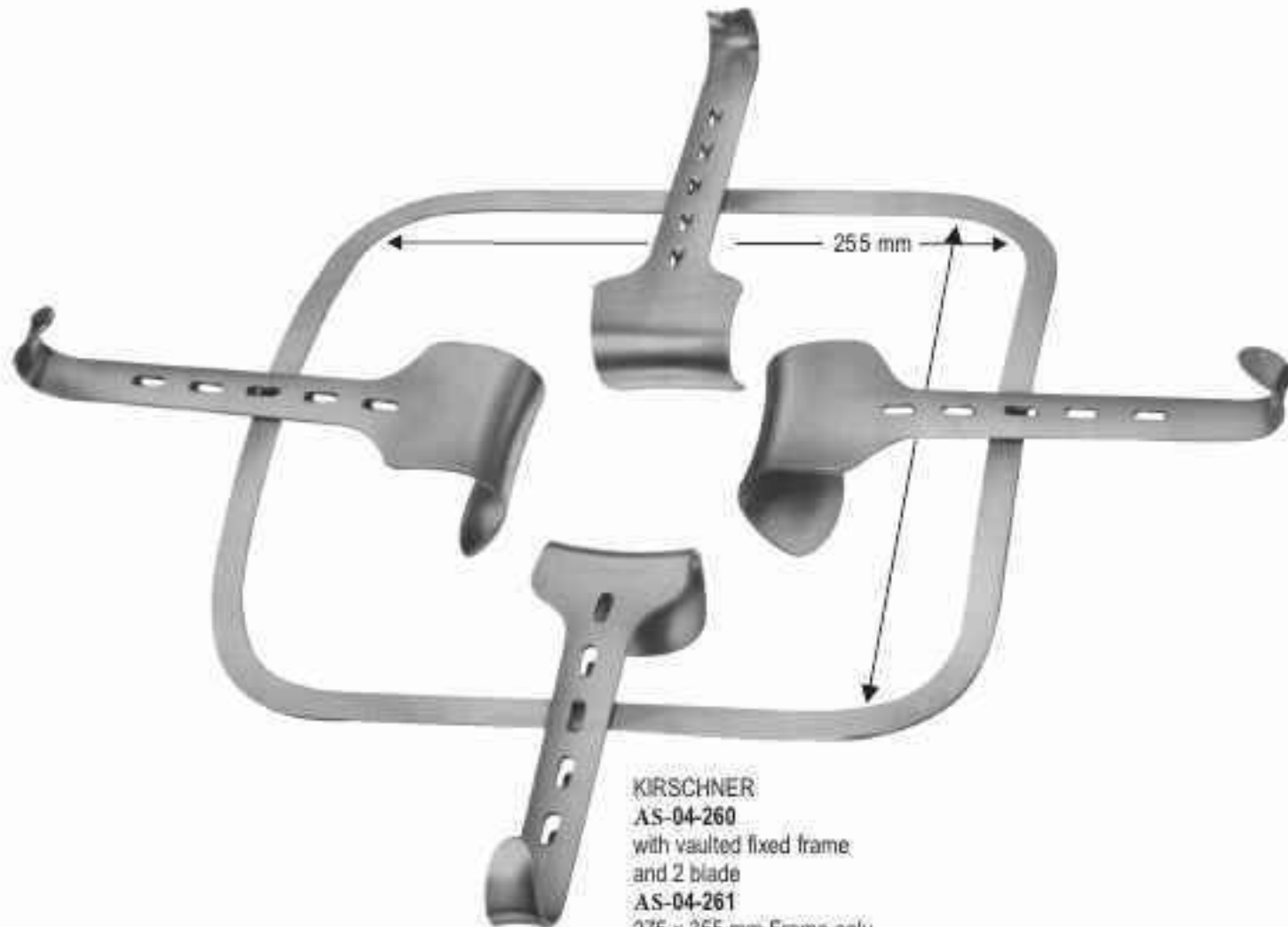
AS-04-255 2 blades 46 x 64 mm

AS-04-256 1 blade 53 x 64 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,
107 x 36 mm narrow



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



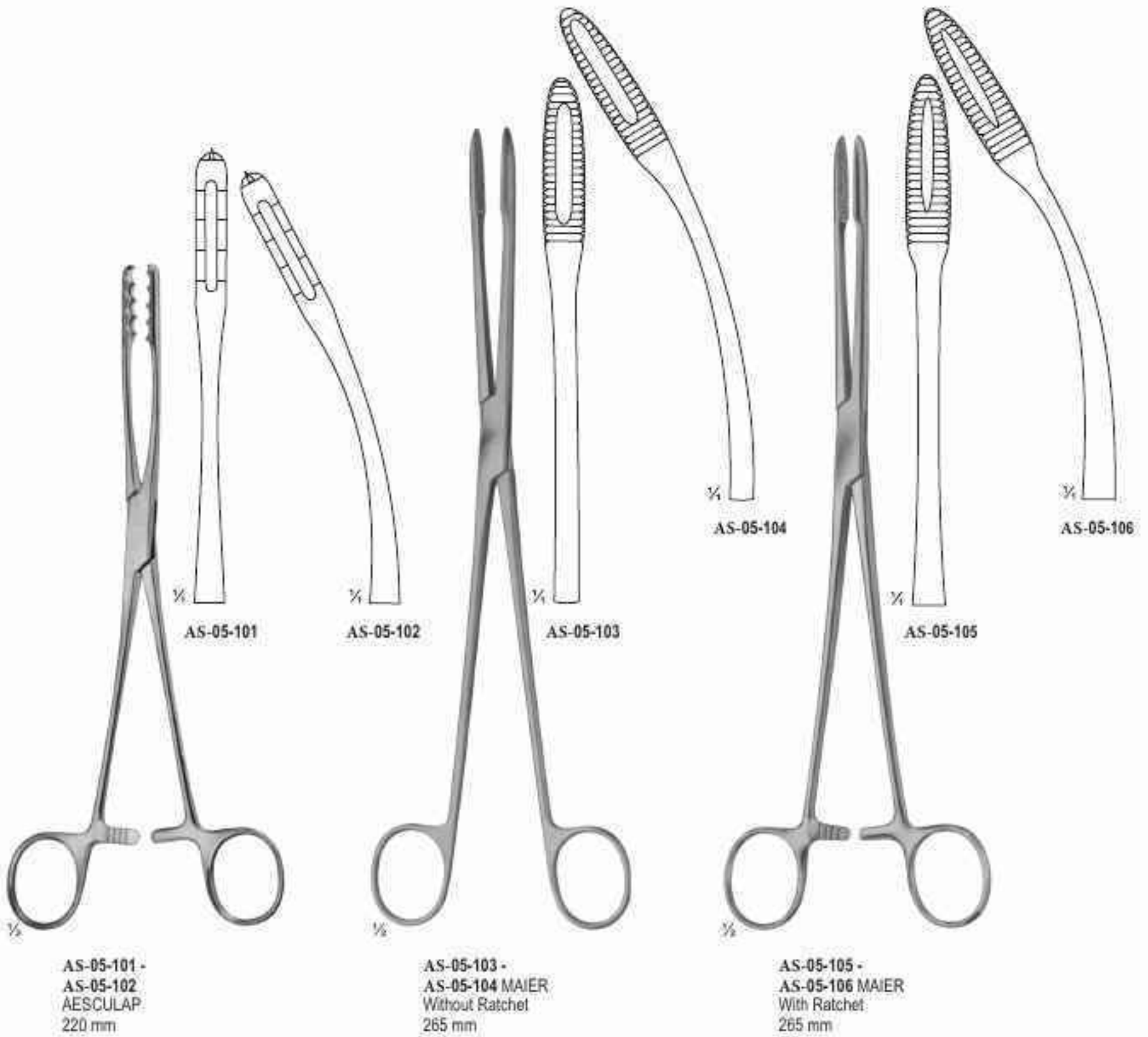
AS-04-265 - AS-04-267
KIRSCHNER
AS-04-265 90x 69mm
AS-04-266 92x 95mm
AS-04-267 78x 58mm

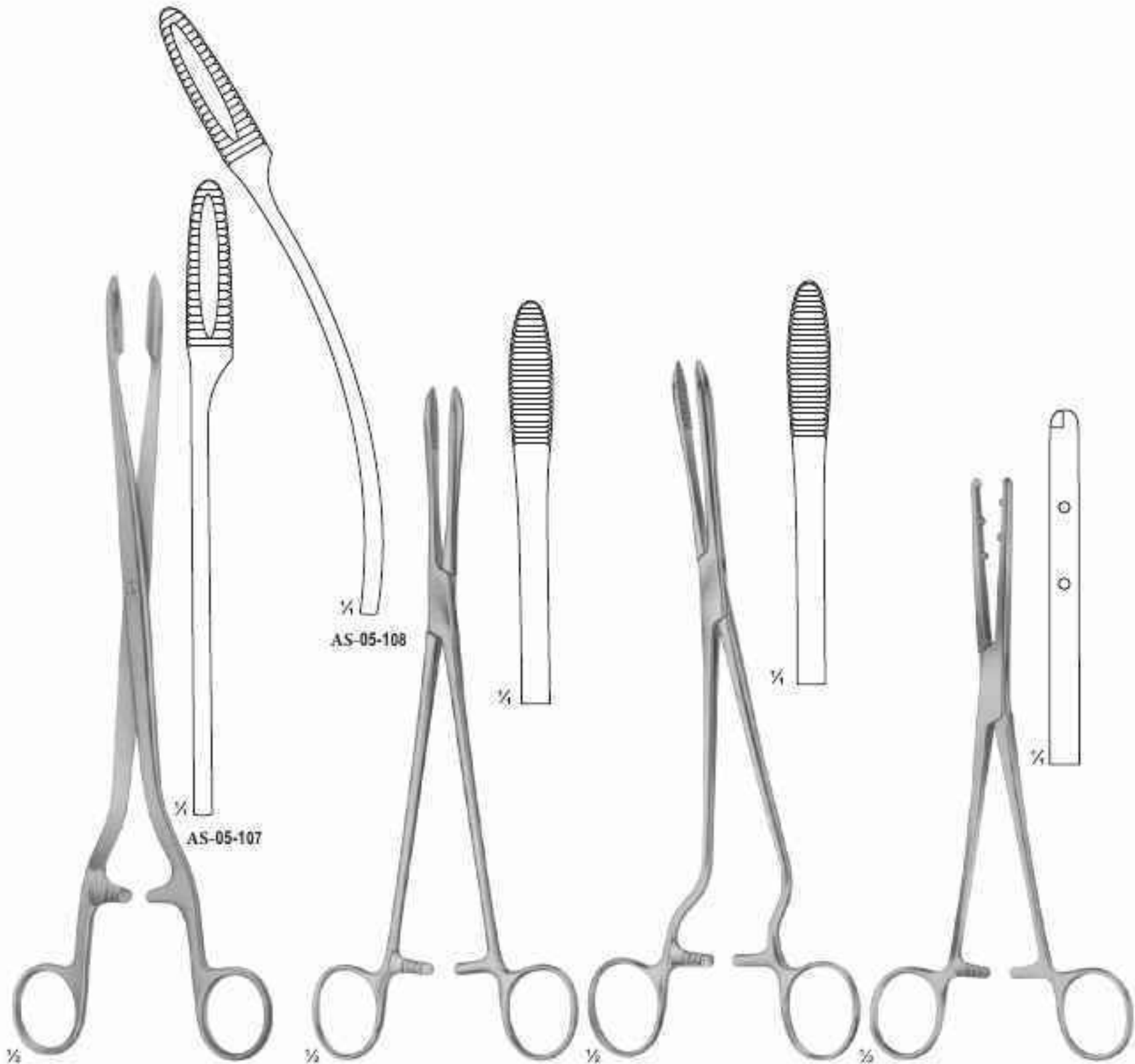


AS-04-268 - AS-04-270
KIRSCHNER
AS-04-268 108x42mm
AS-04-269 91x 55mm
AS-04-270 121x 55mm

Page 103–111

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



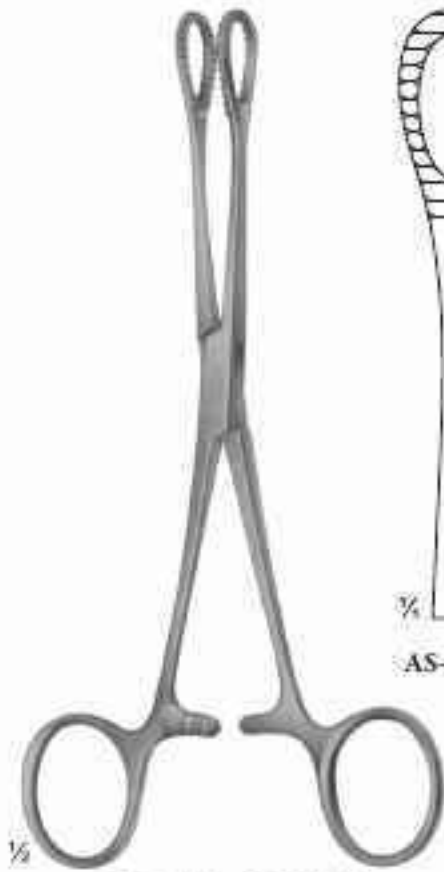


AS-05-107 -
AS-05-108 SIMS-
MAIER
280 mm

AS-05-109
COLLIN
240 mm

AS-05-11
0
EMMET
laterally Angled
240 mm

AS-05-111
EMMET
210 mm



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



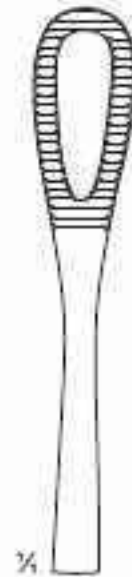
AS-05-112



AS-05-113



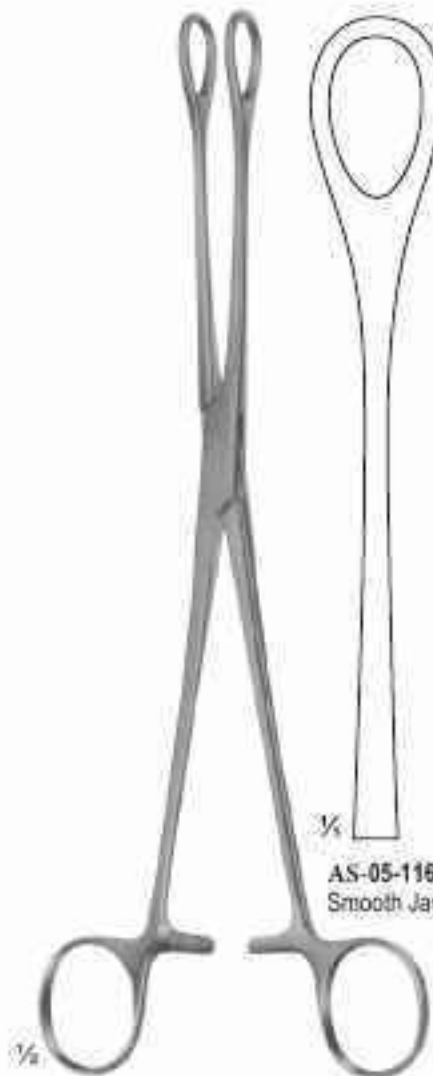
AS-05-114 -
AS-05-115
RAMPLEY



AS-05-114
180 mm



AS-05-115
250 mm



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



AS-05-116
Smooth Jaws



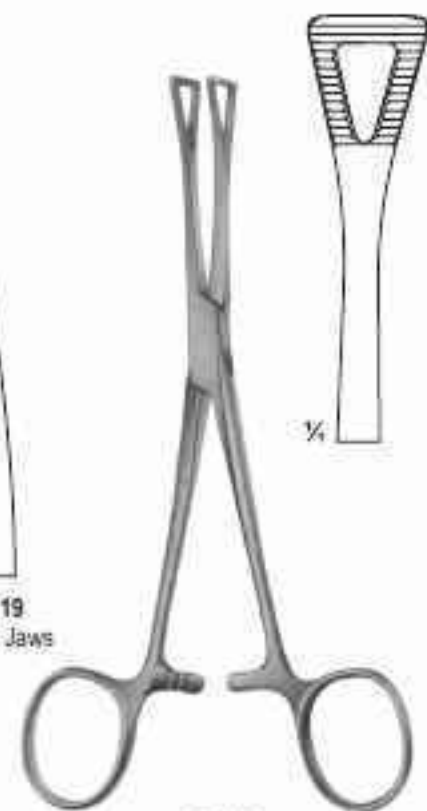
AS-05-117
Smooth Jaws



AS-05-118
Serrated Jaws



AS-05-119
Serrated Jaws



AS-05-120
PENNINGTON
155 mm



ORCEPS



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



AS-05-121
195 mm



AS-05-122
230 mm



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



AS-05-123
160 mm



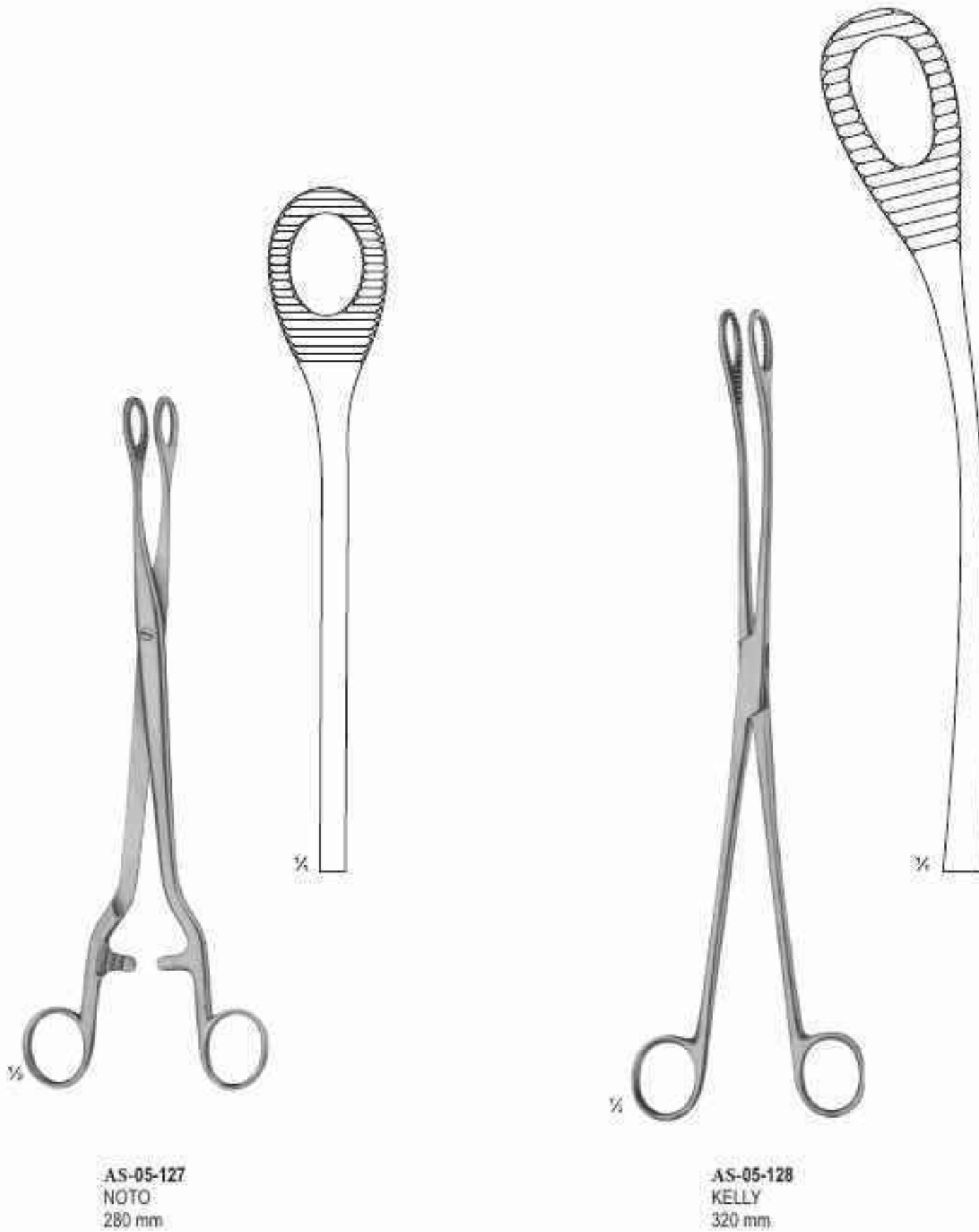
AS-05-124
160 mm

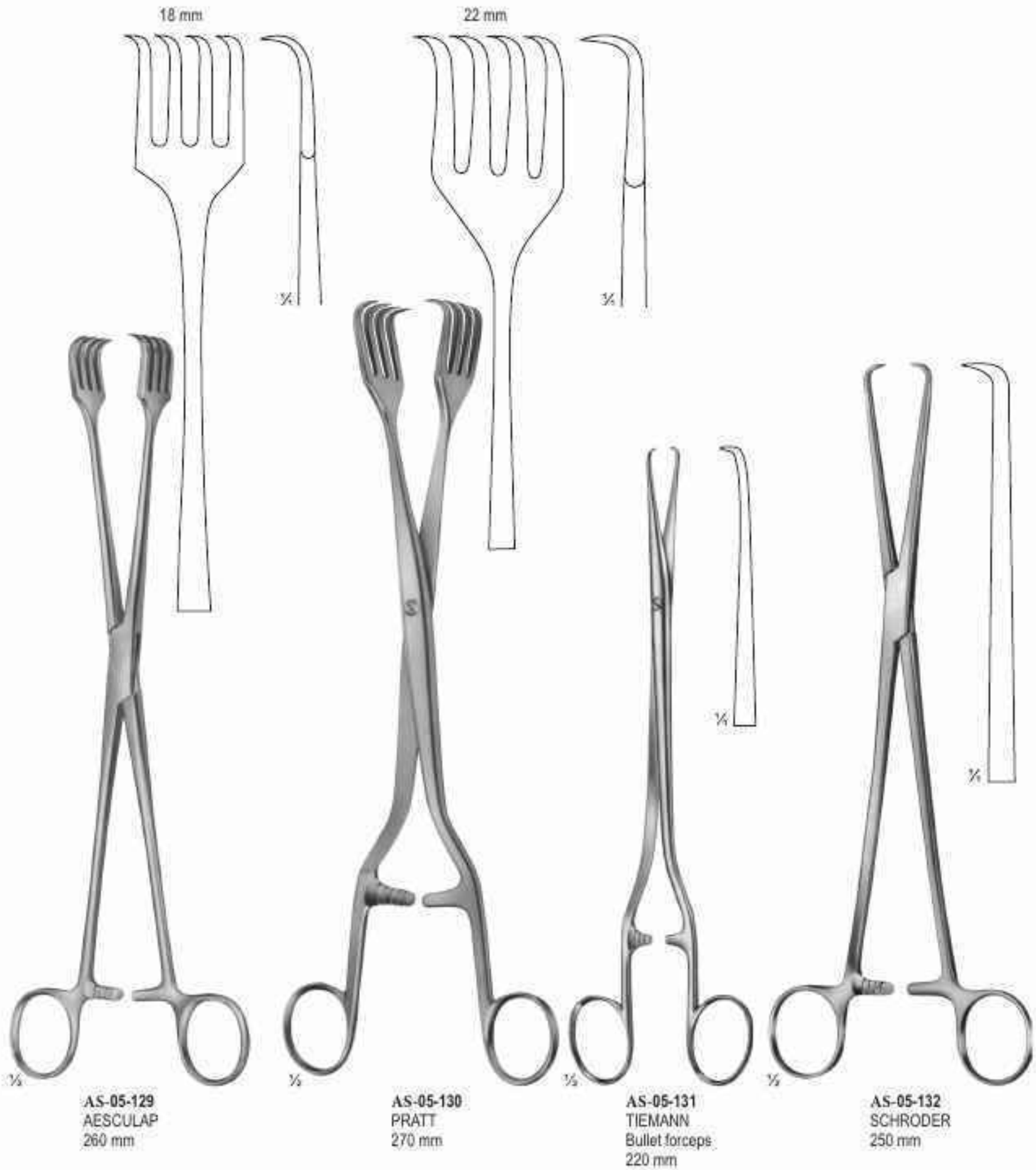


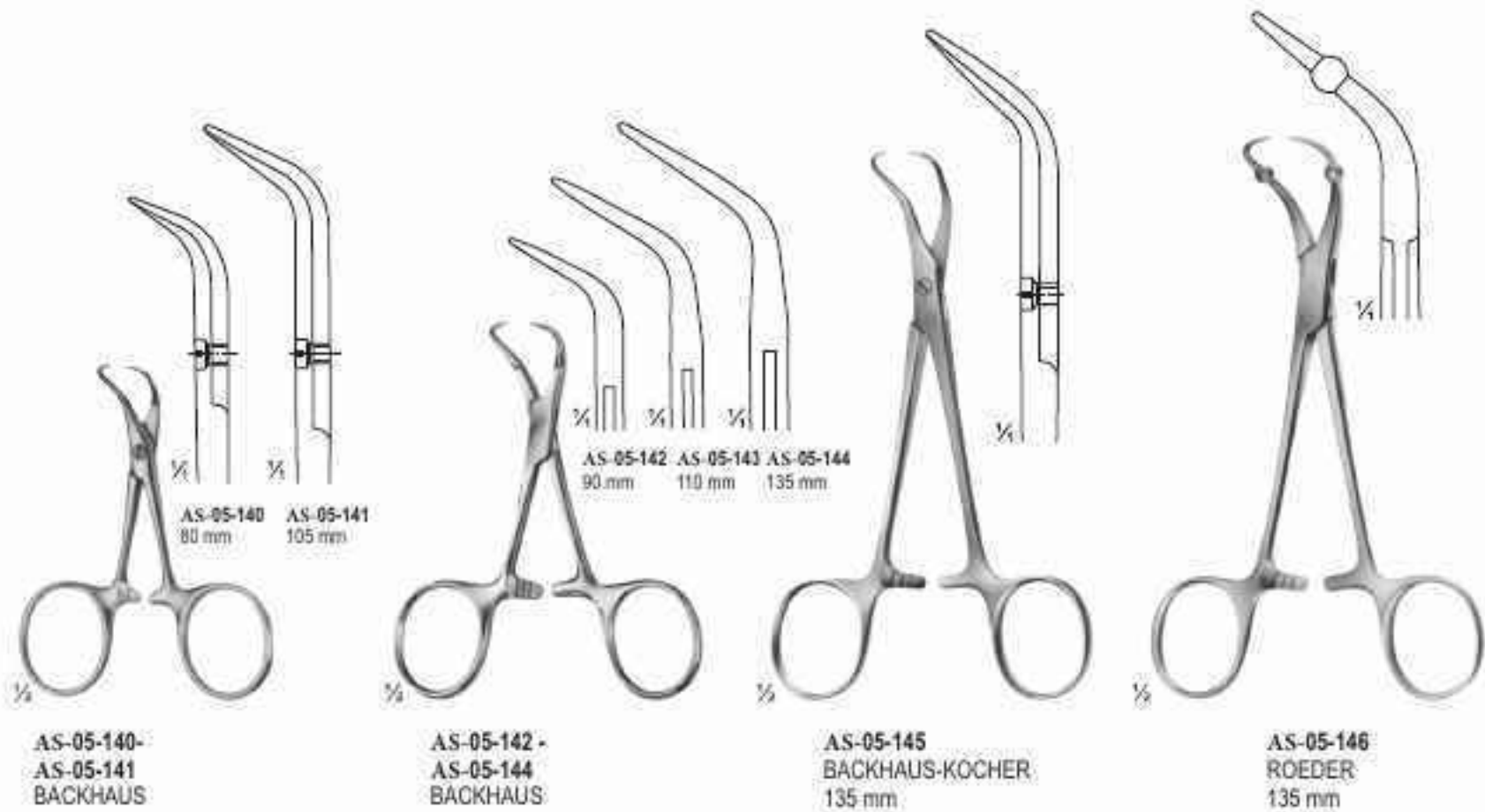
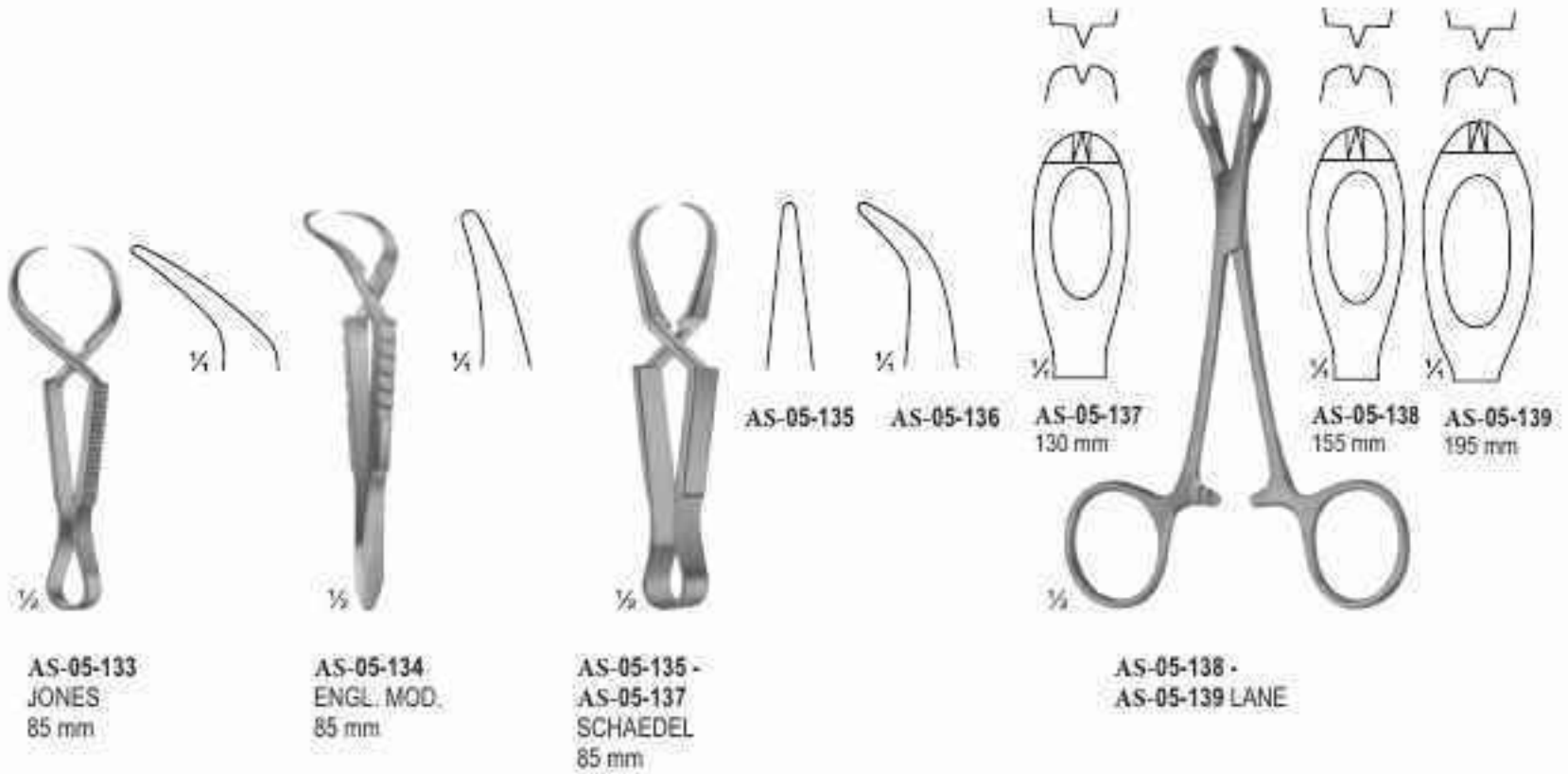
AS-05-125
170 mm



AS-05-126
HEYWOOD-SMITH
200 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



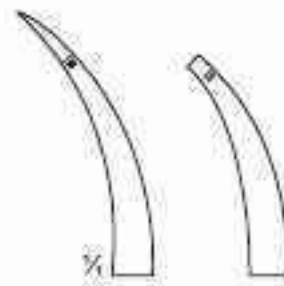
AS-05-149



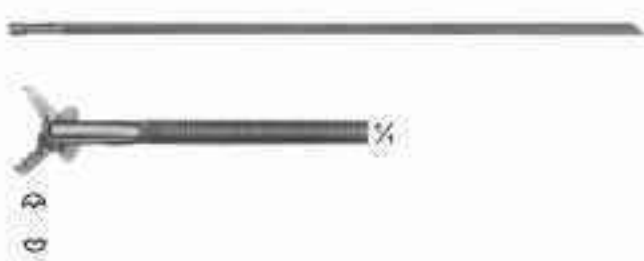
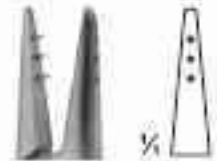
AS-05-150
150 mm



AS-05-151
150 mm

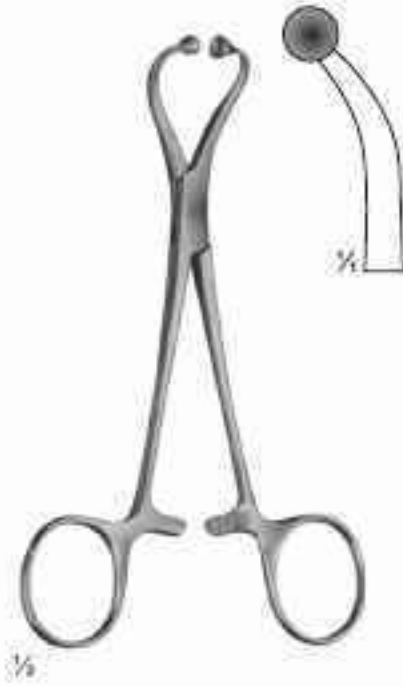


AS-05-152
120 mm

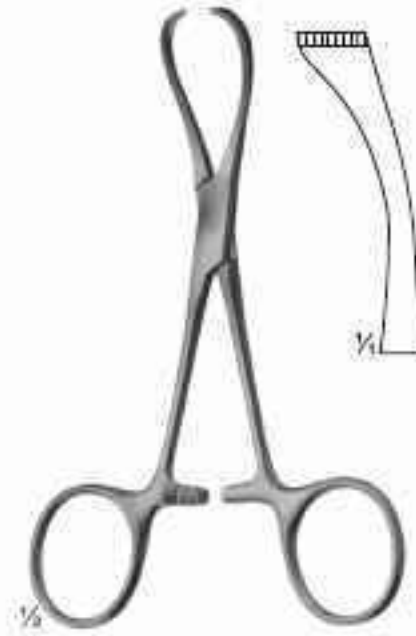


JAGER
Tendon and cross ligament
passing forceps
flexible shaft
AS-05-153
275 mm





AS-05-154
for paper cloths
140 mm



AS-05-155
LORNA
non perforating
130 mm



AS-05-156
BUNT
105 mm



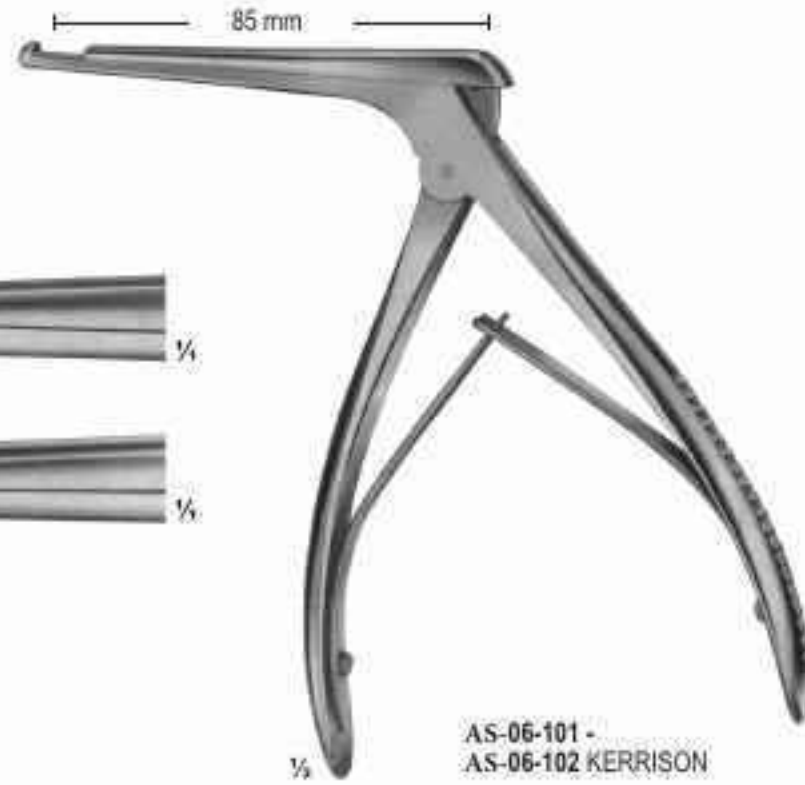
AS-05-157
MAYO
140 mm

Page 112-130

- Bone Punches
- Rongeurs
- Amputation



90° upwards cutting



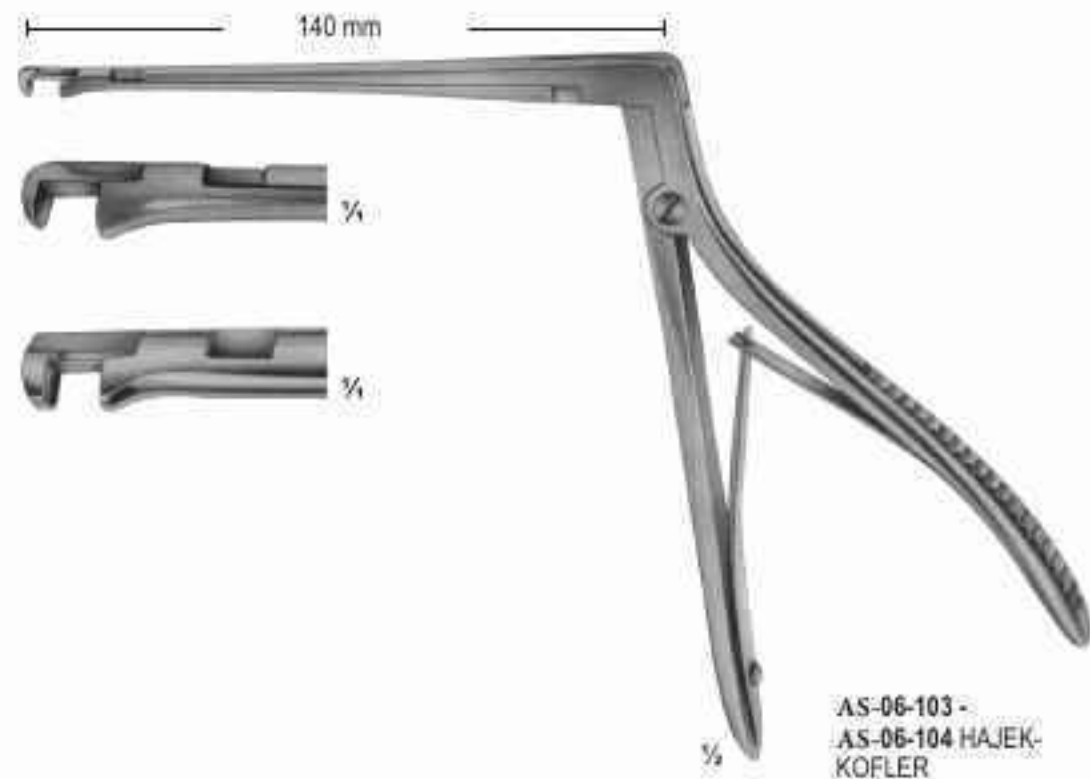
AS-06-101
4 mm



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



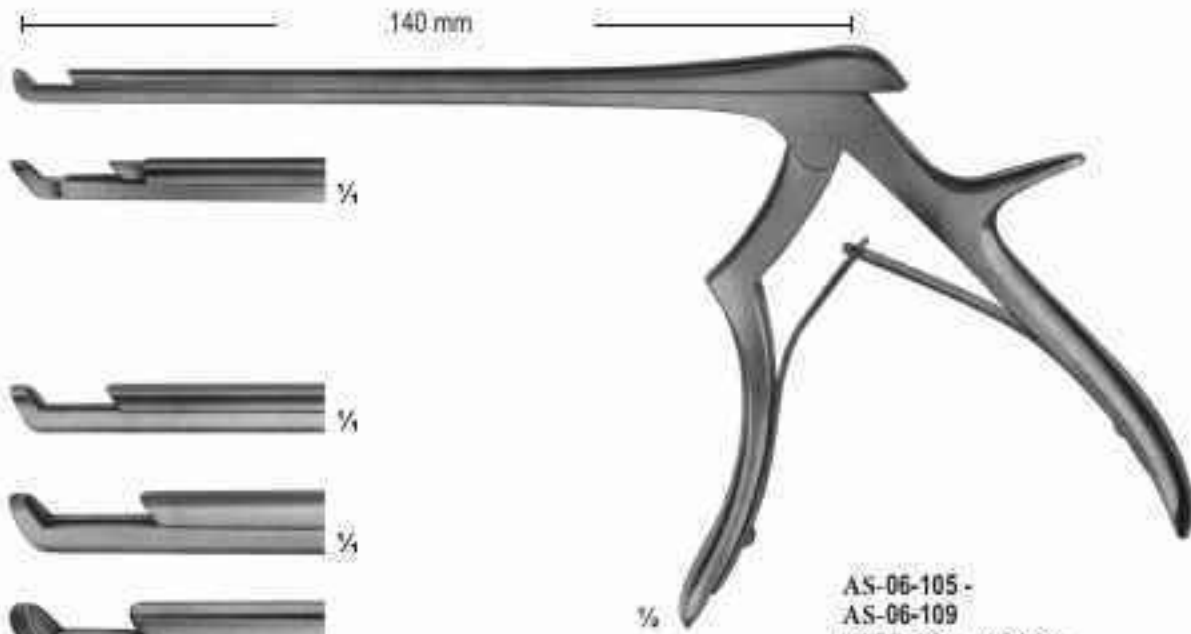
AS-06-107
3 mm



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

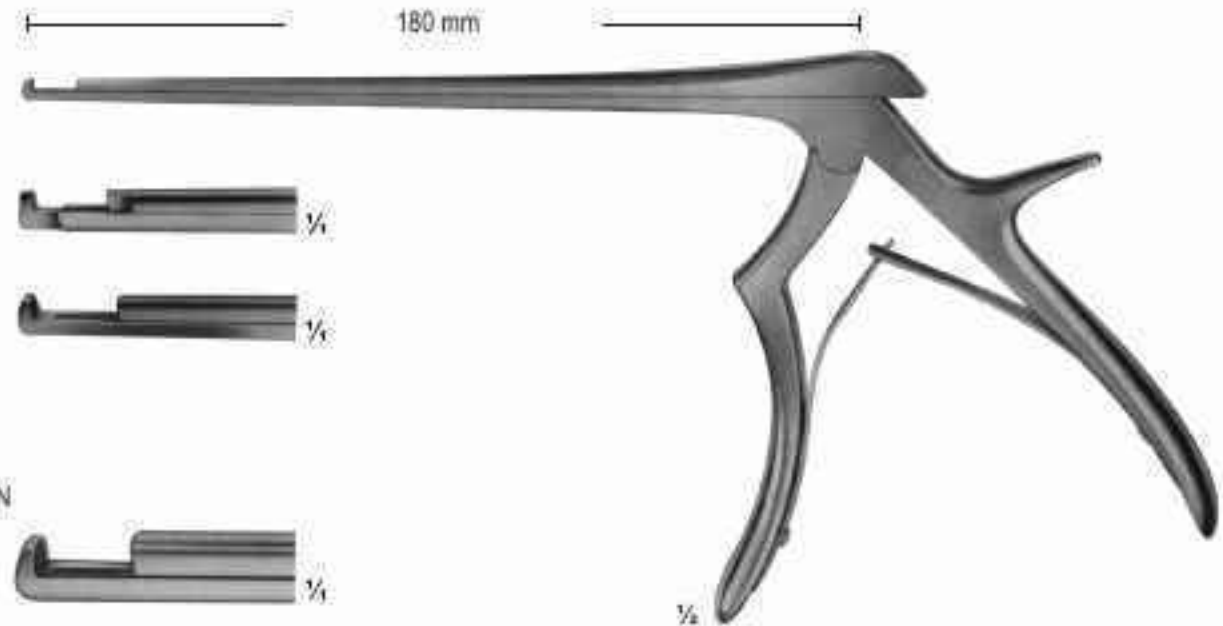
AS-06-112
3 mm



AS-06-113
4 mm



AS-06-114
5 mm



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

Angled positions for rongeurs:

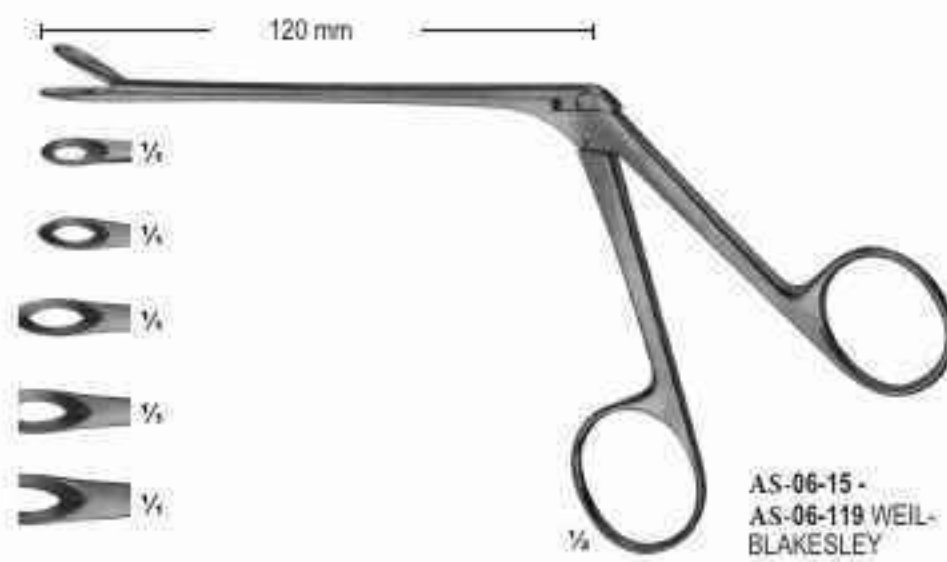
AS-06-115
3.0 mm

AS-06-116
3.6 mm

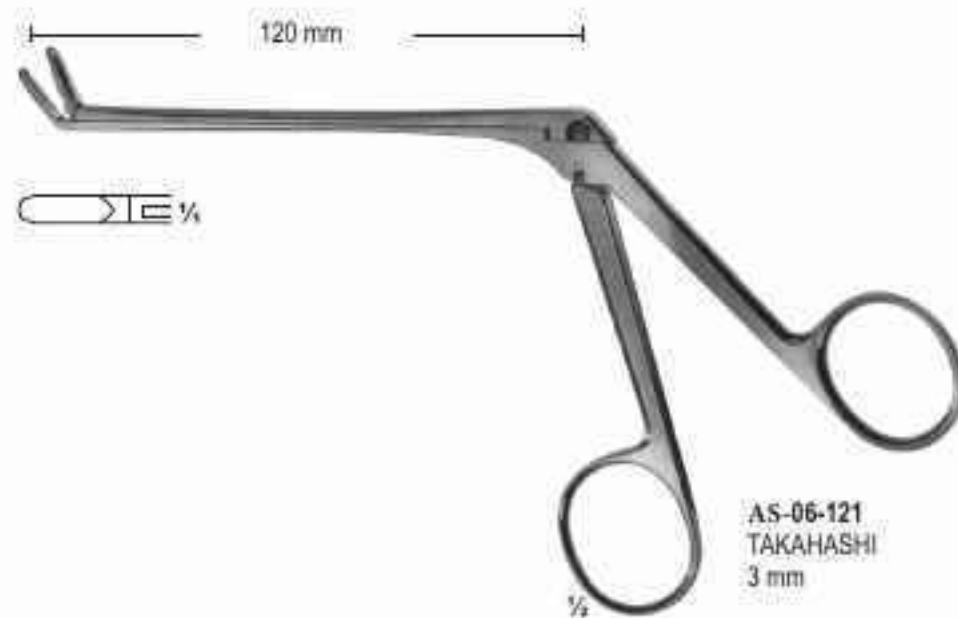
AS-06-117
4.2 mm

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



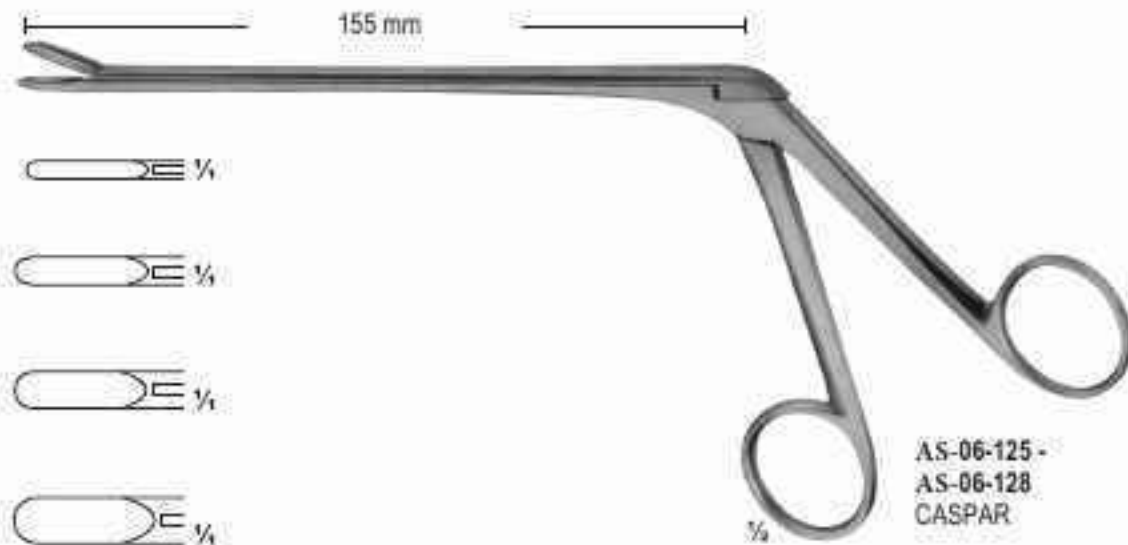
AS-06-122 -
AS-06-124 LOVE-
GRUENWALD

AS-06-125
2 mm

AS-06-126
3 mm

AS-06-127
4 mm

AS-06-128
5 mm

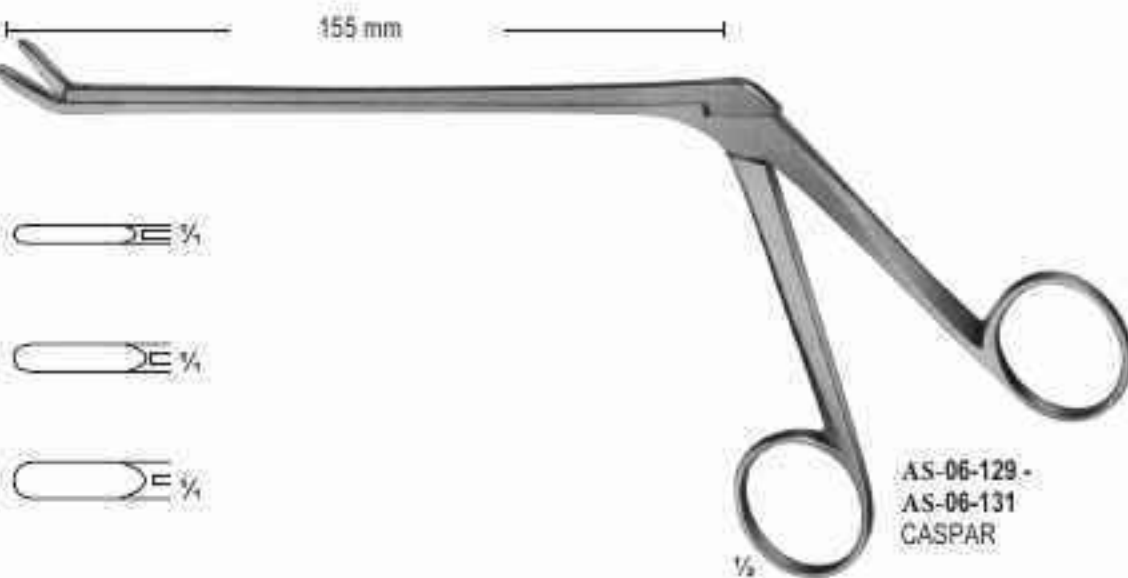


AS-06-125 -
AS-06-128
CASPAR

AS-06-129
2 mm

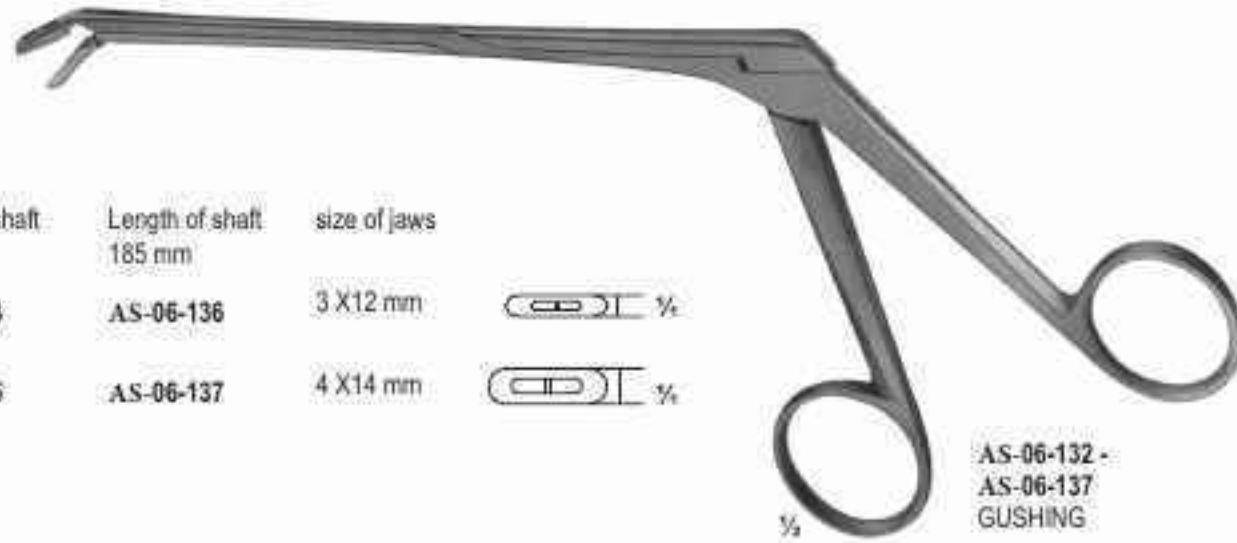
AS-06-130
3 mm

AS-06-131
4 mm



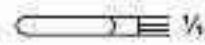
AS-06-129 -
AS-06-131
CASPAR

Length of shaft 140 mm	Length of shaft 160 mm	Length of shaft 185 mm	size of jaws
AS-06-132	AS-06-134	AS-06-136	3 X12 mm
AS-06-133	AS-06-135	AS-06-137	4 X14 mm

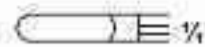


AS-06-132 -
AS-06-137
GUSHING

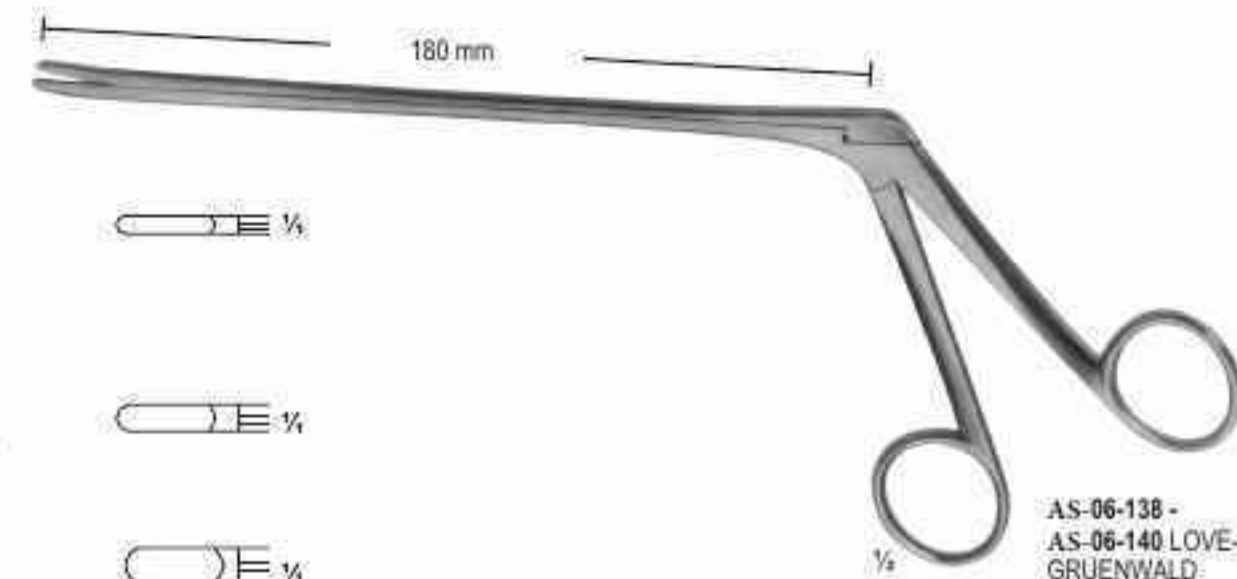
AS-06-138
2 X 10 mm
GUSHING



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



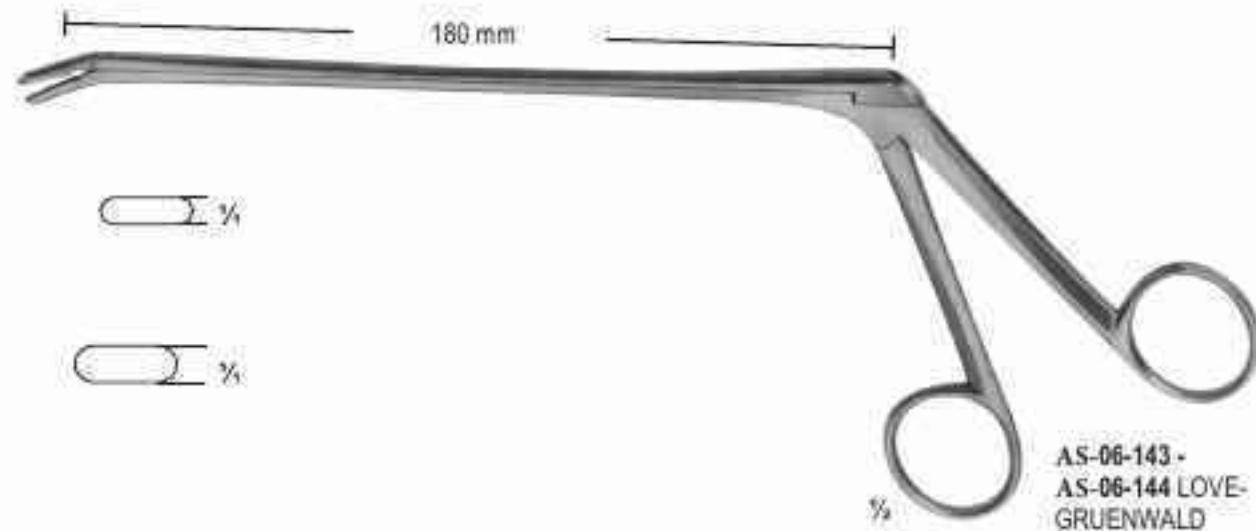
AS-06-142
4 X 10 mm
SPURLING



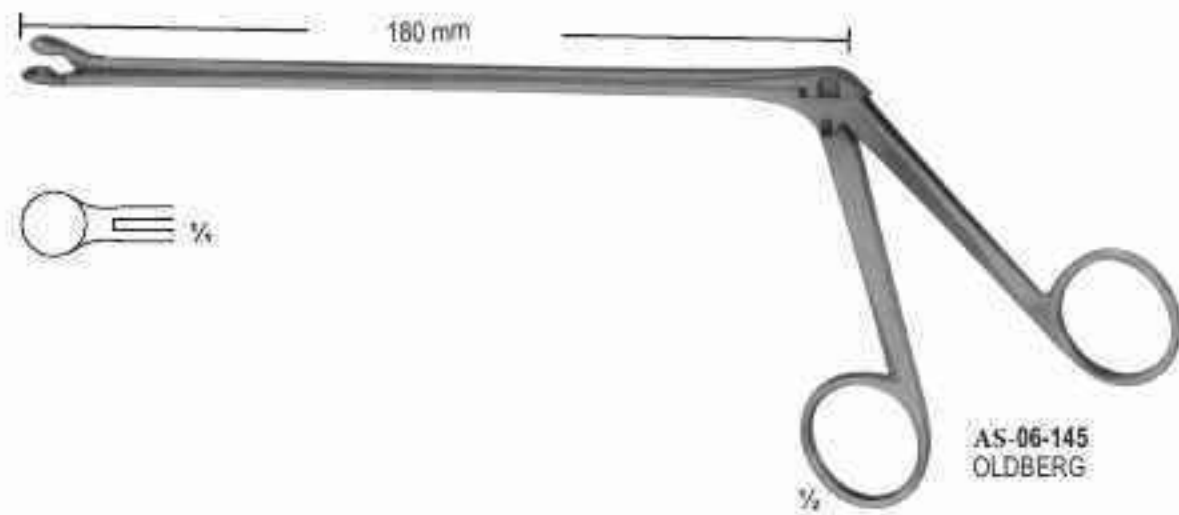
AS-06-141 -
AS-06-142 LOVE-
GRUENWALD

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

AS-06-144
4 X 10 mm
SPURLING



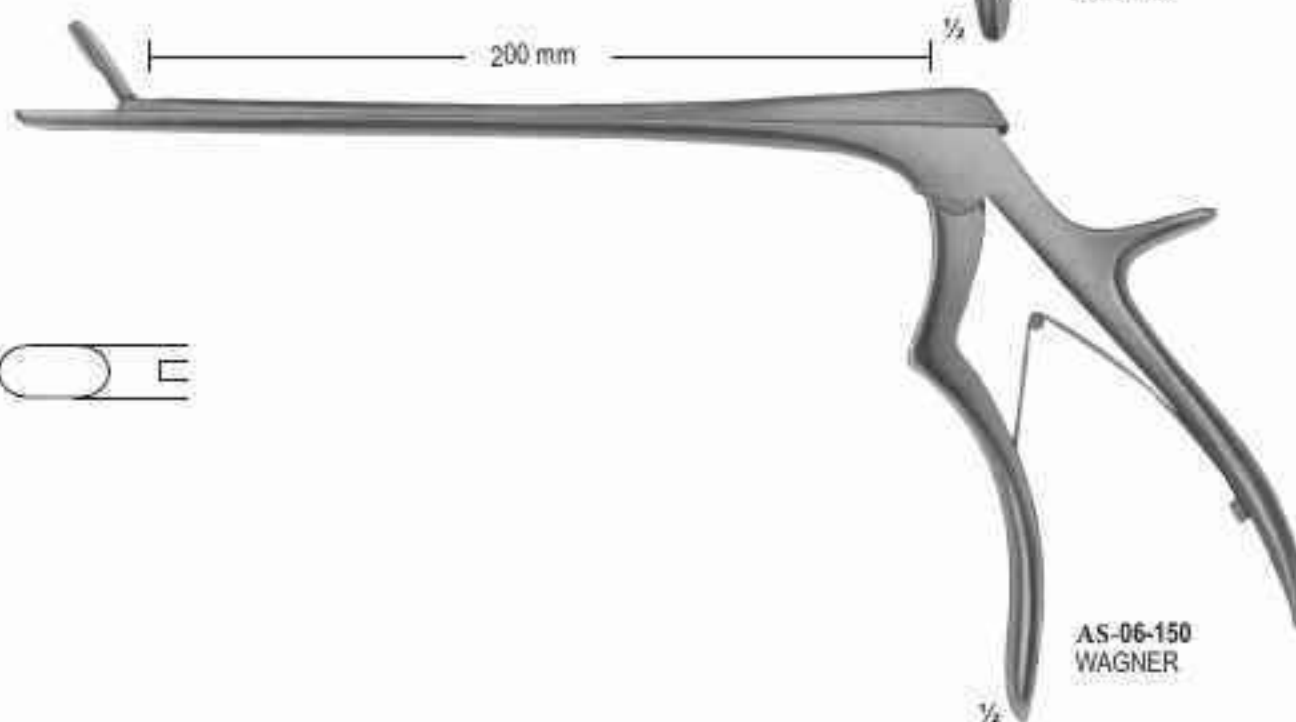
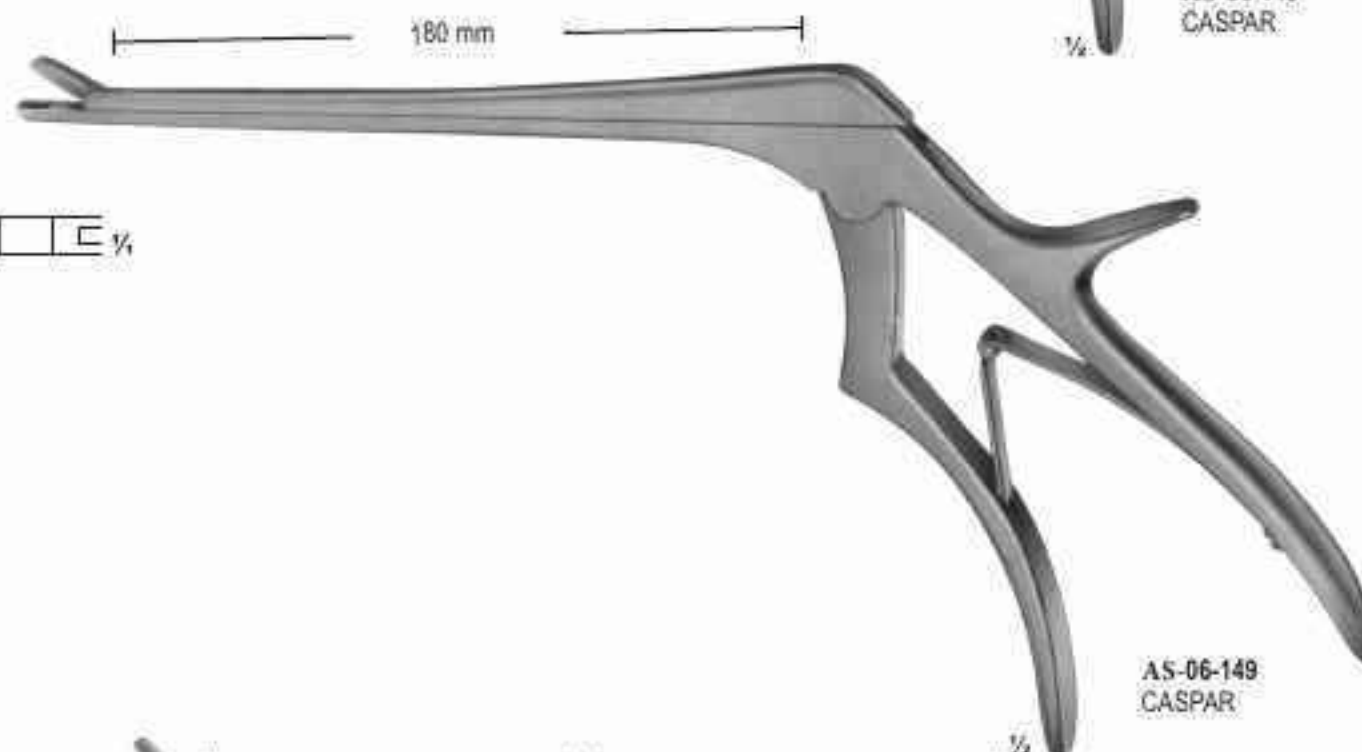
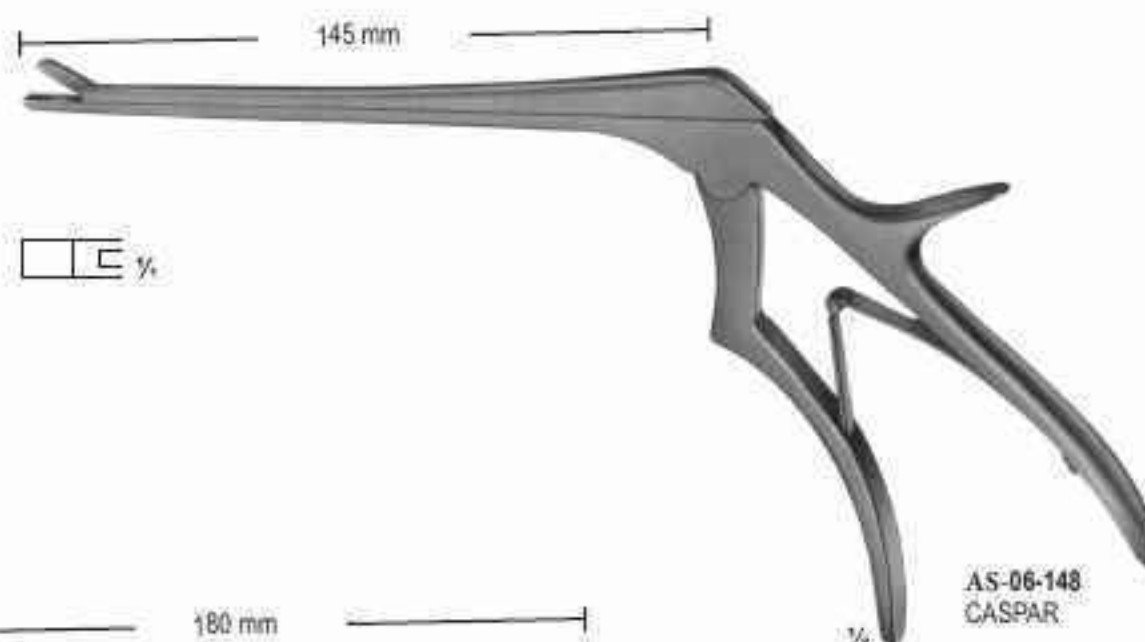
AS-06-145
7 mm



AS-06-146
YASARGIL
2.2 mm

AS-06-147
YASARGIL
3.5 mm





90° upwards cutting

85 mm

AS-06-151
4 mm



AS-06-152
5 mm



KERRISON
AS-06-151 -
AS-06-152

90° upwards cutting

140 mm

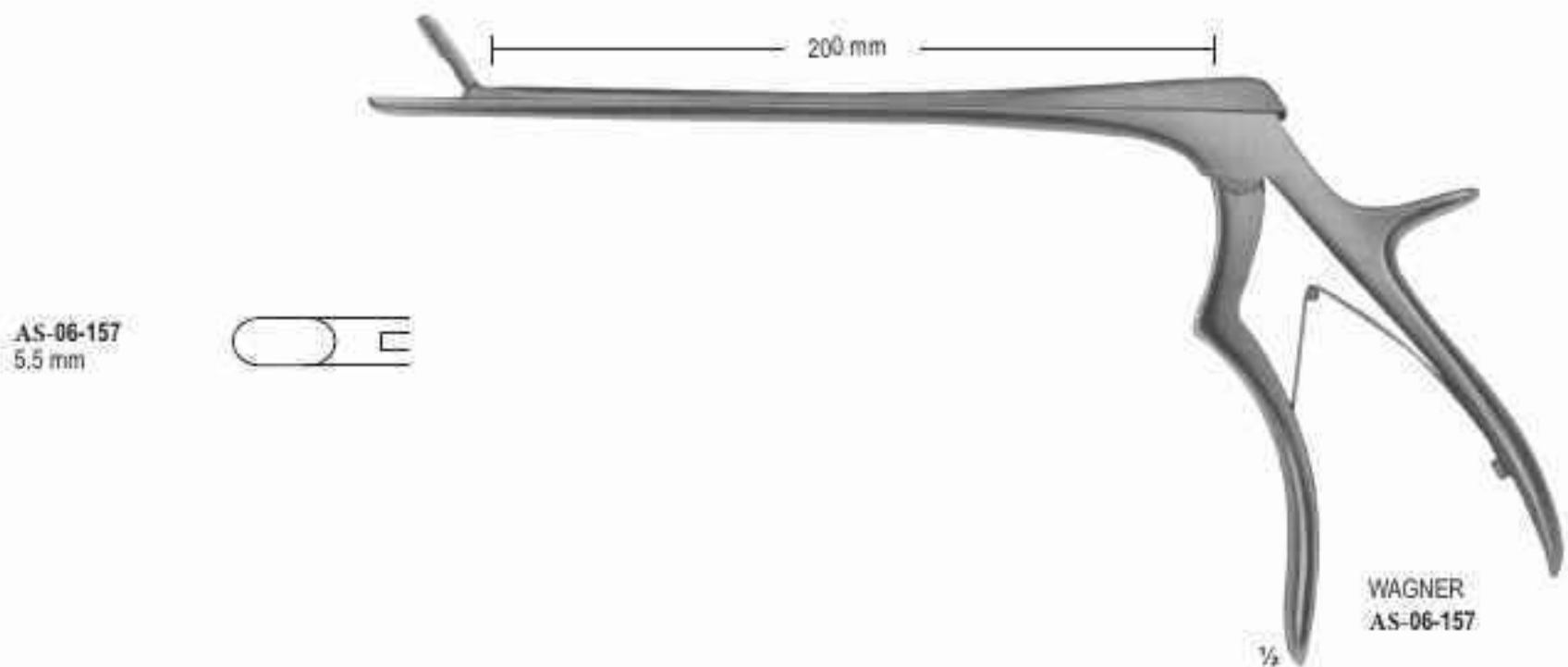
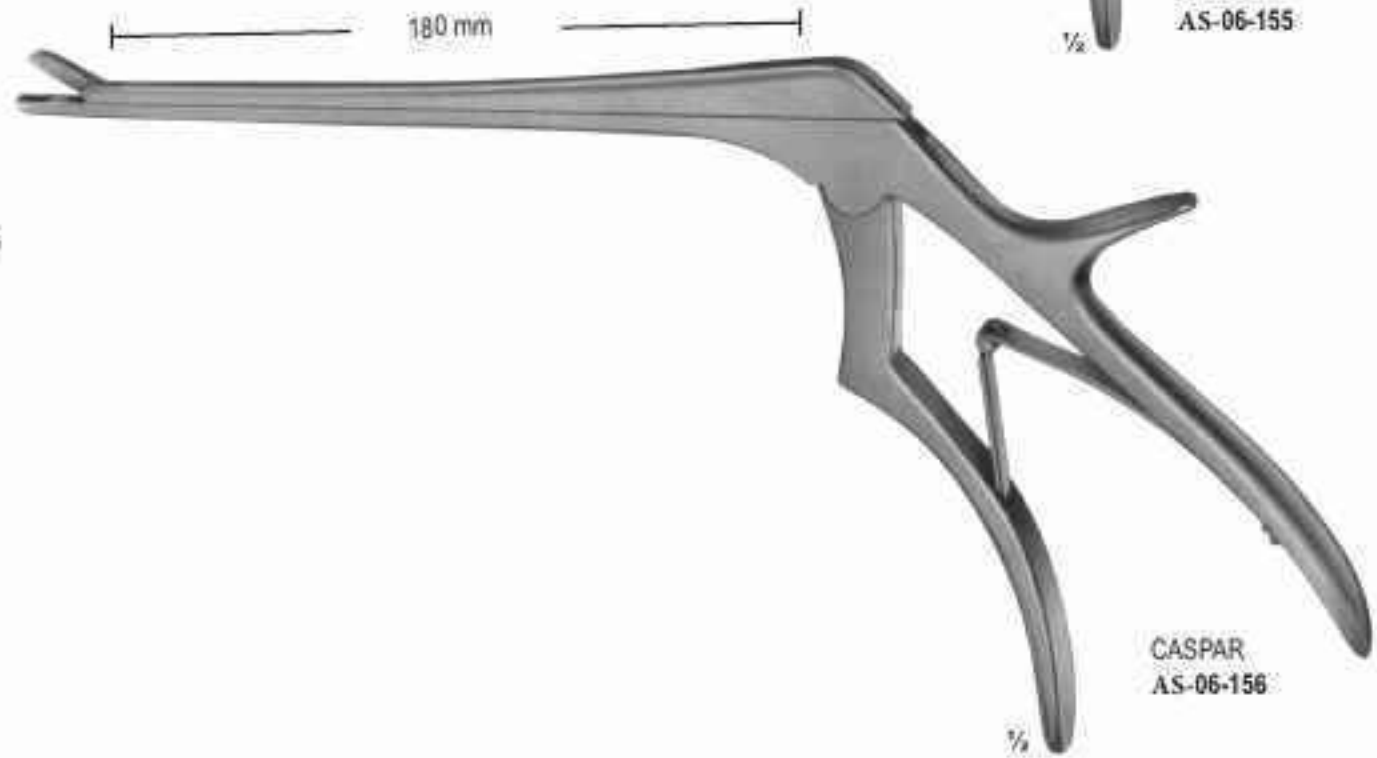
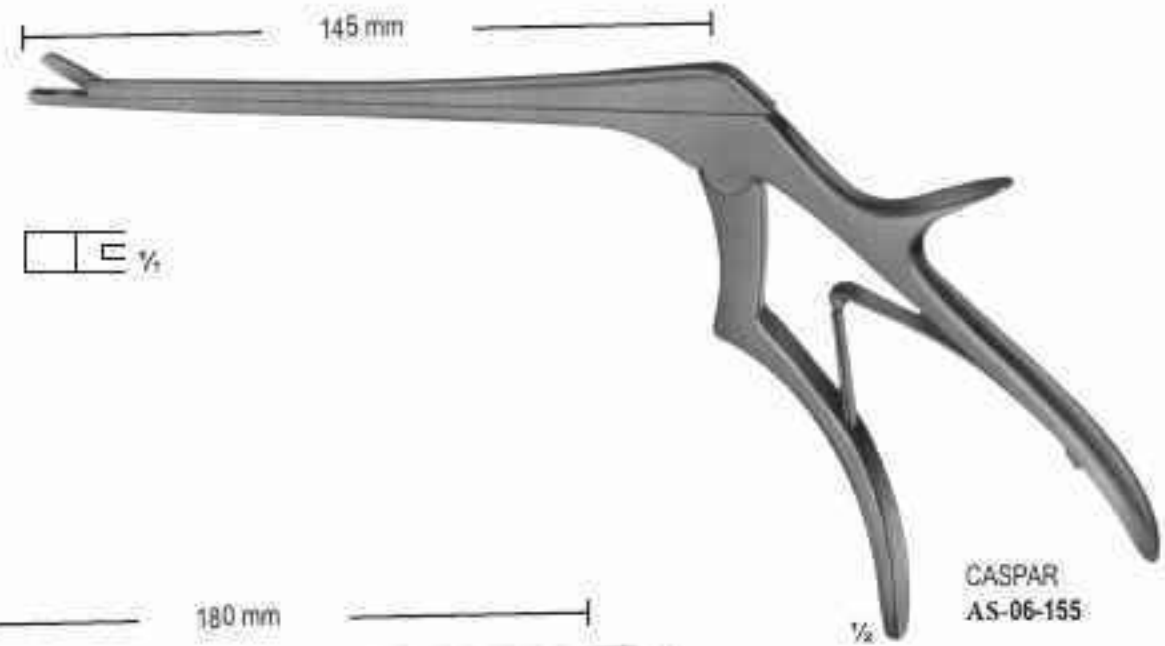
AS-06-153
3.3 mm



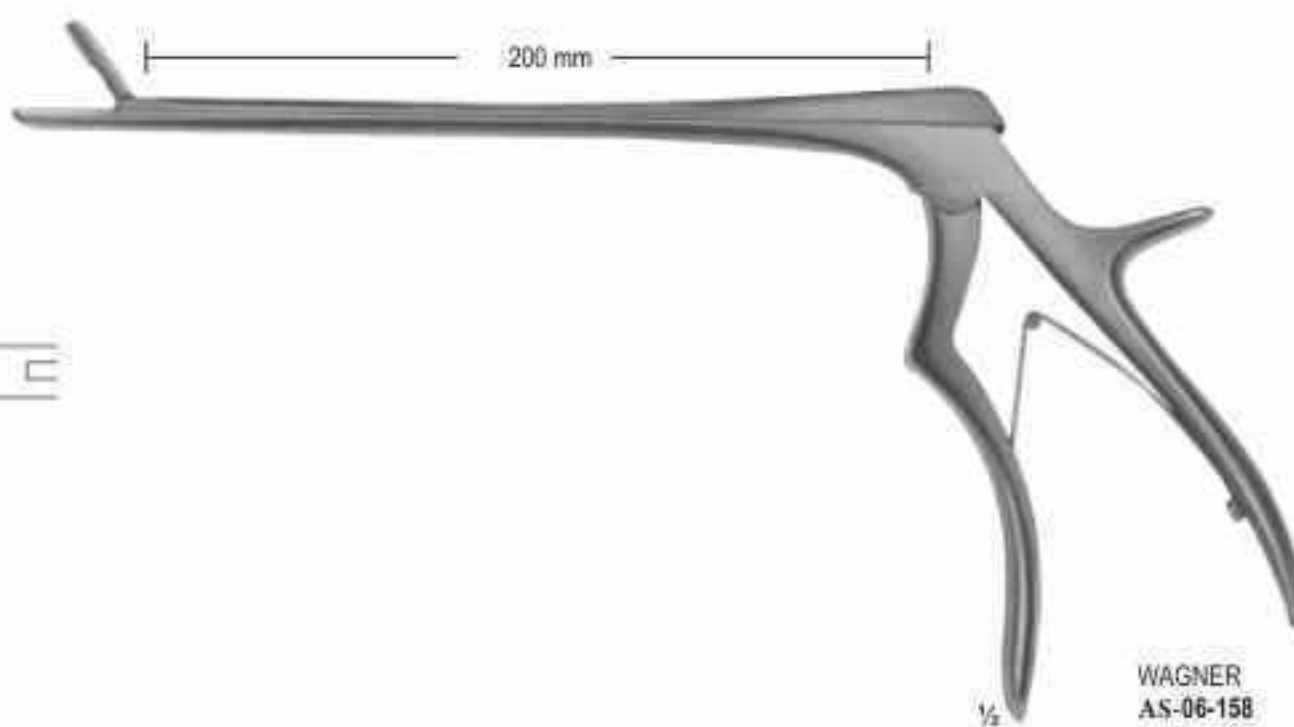
AS-06-154
4 mm



HAJEK-KOFLER
AS-06-153 -
AS-06-154



AS-06-158
5.5 mm





AS-06-159
GHARRIEER
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
CHARRIERE
Length of blade
180 mm
Spare saw blades,
carbon steel
270 mm
AS-06-172
CHARRIERE
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-0-179 300 mm
AS-0-180 400 mm
AS-0-181 500 mm fine,
6 wires twisted
AS-0-182
coarses, 4 wires twisted



AS-06-183
GIGLI
Handle



AS-06-184
LEBSCHE 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





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



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



AS-06-210
2.5 mm



AS-06-211
3.0 mm



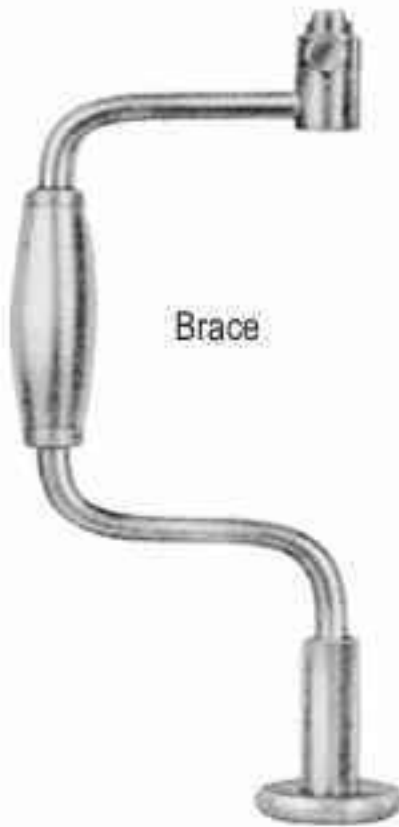
AS-06-212
3.5 mm



MOORE
AS-06-213
complete
28 cm



Set of 3



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



T-handles

AS-06-228

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

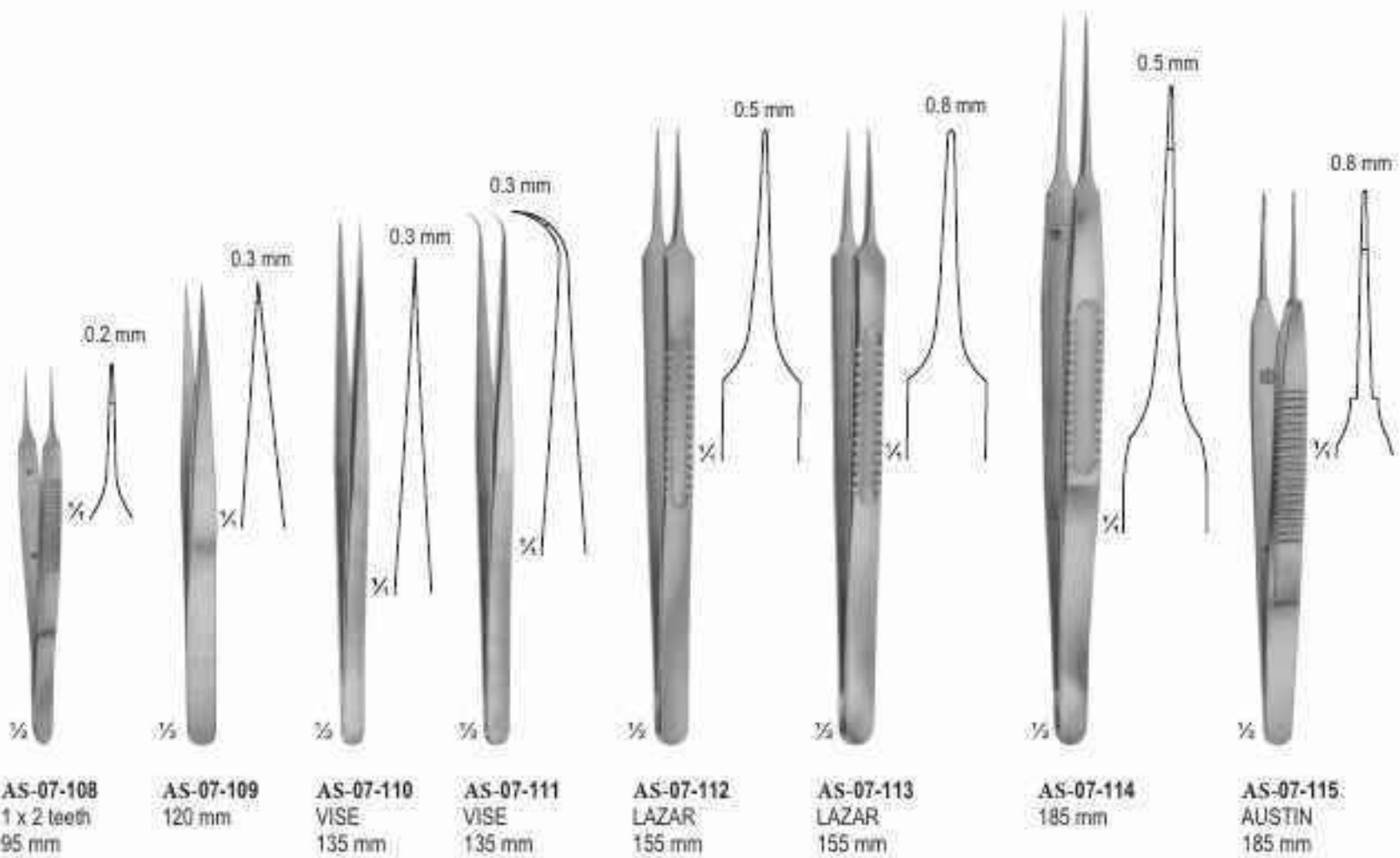
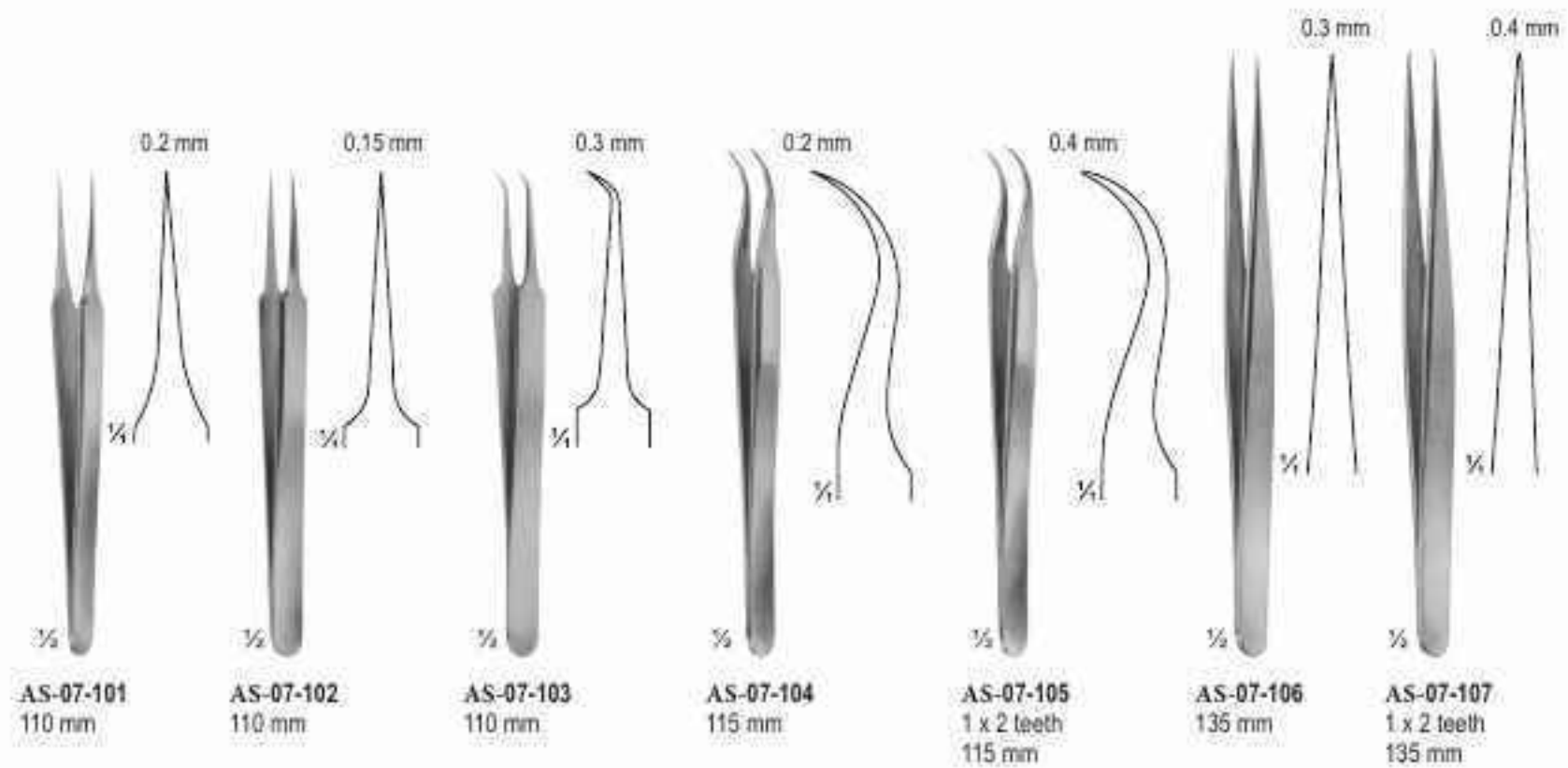
AS-06-229

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

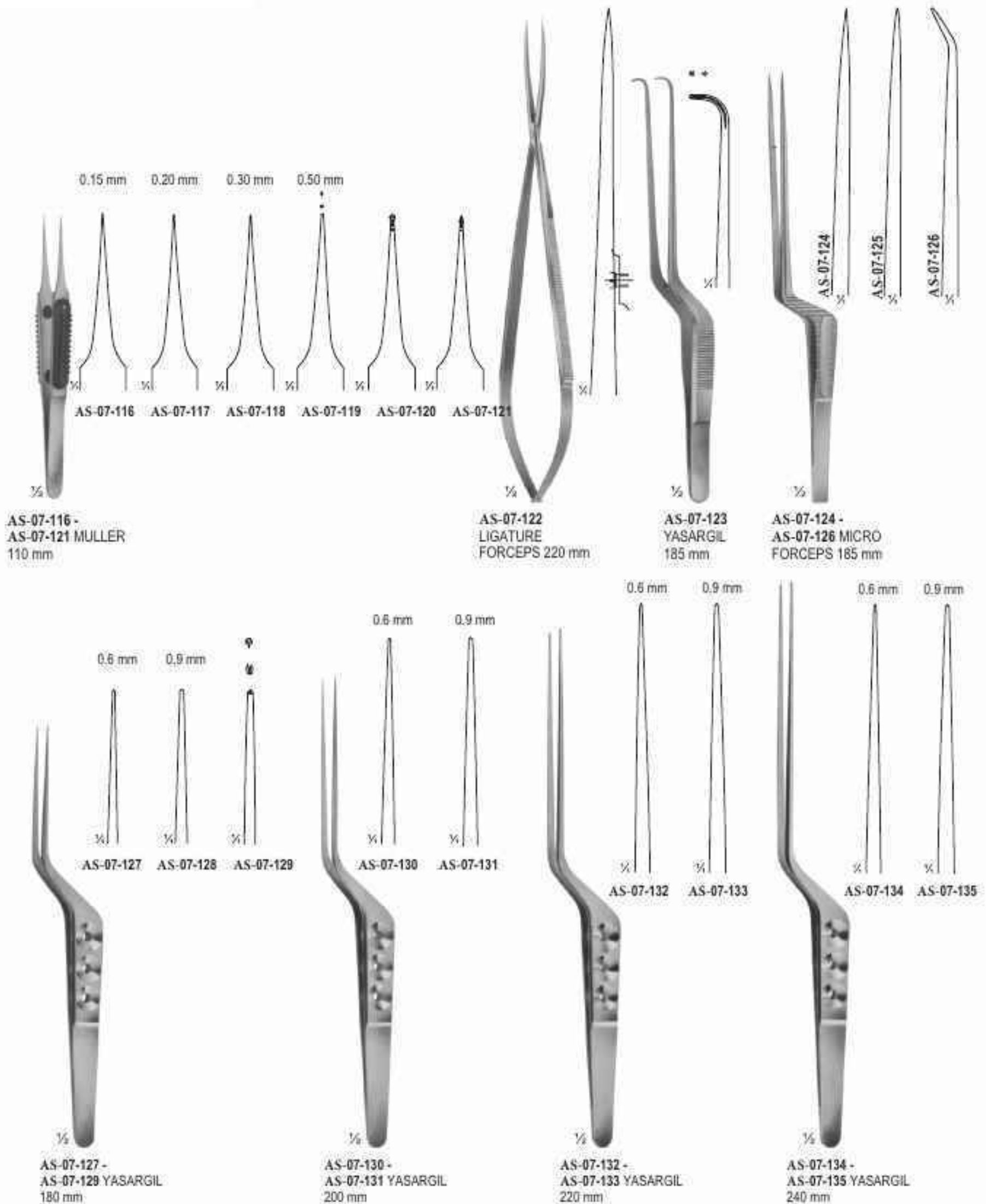
AS-06-230

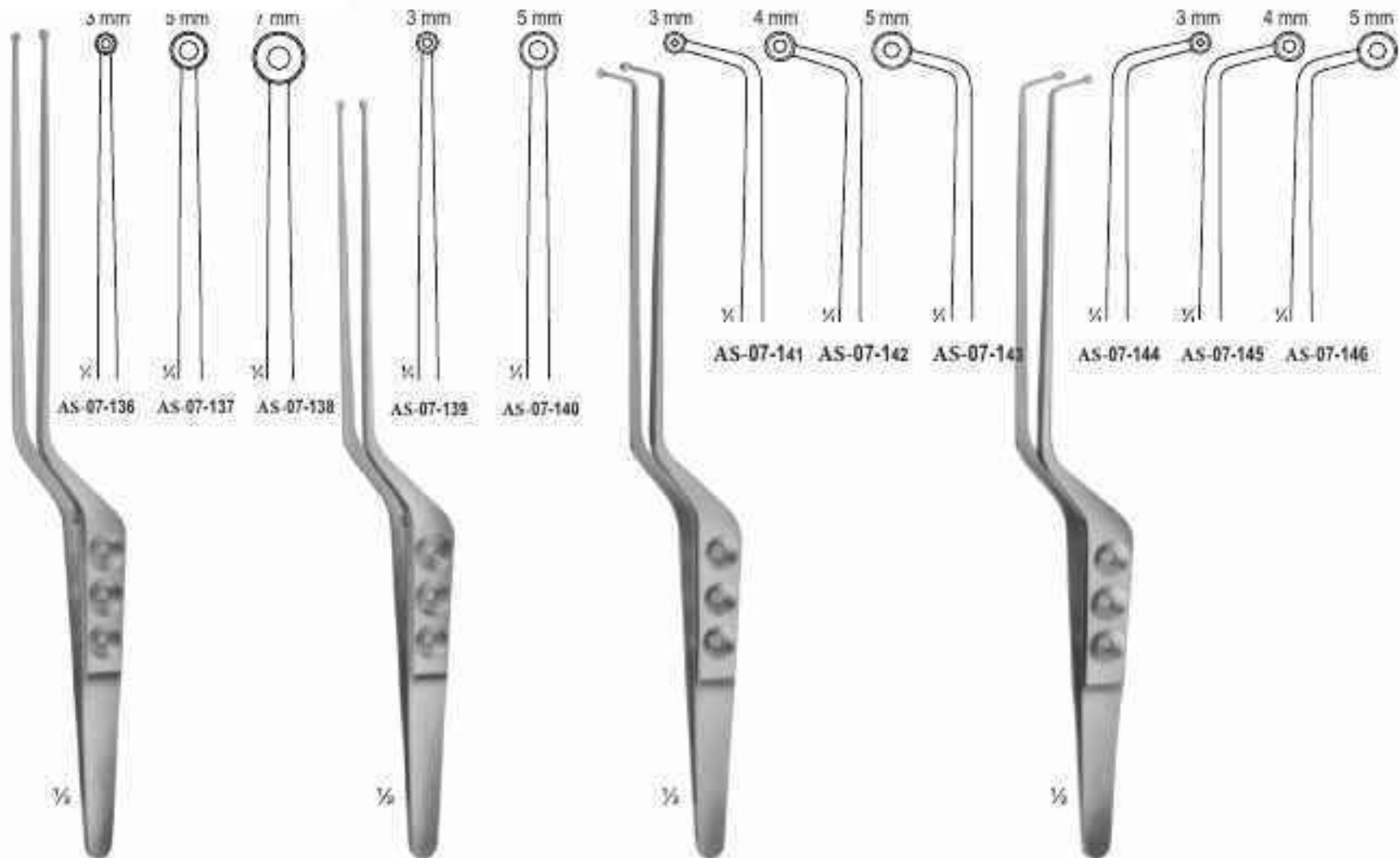
Page 131-147

- Dissecting and Tissue Forceps



O FORCEPS (LIGHT PATTERNS)





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

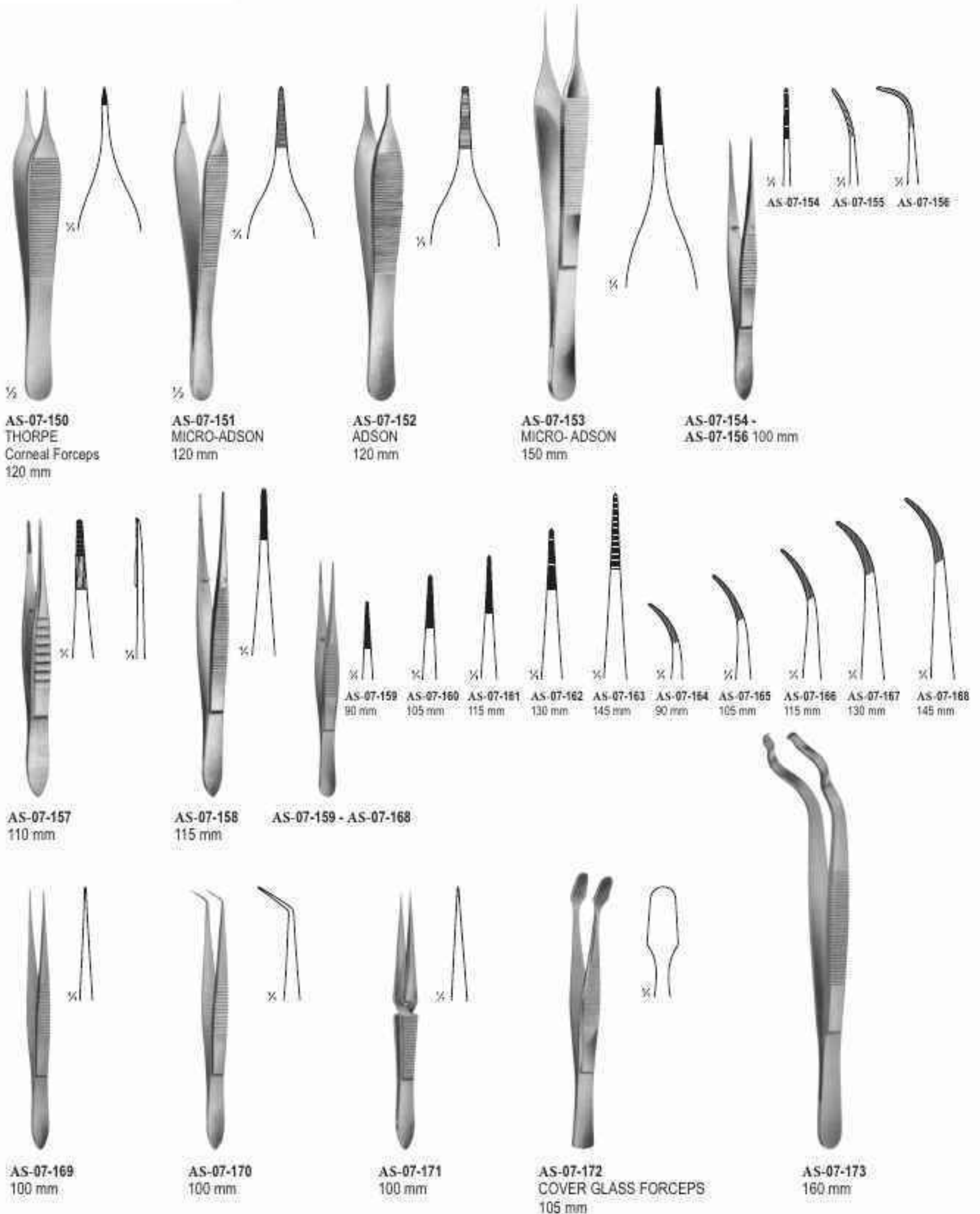
AS-07-141 -
CD-043 SAMII
Jaws Spoon-Shaped
230 mm

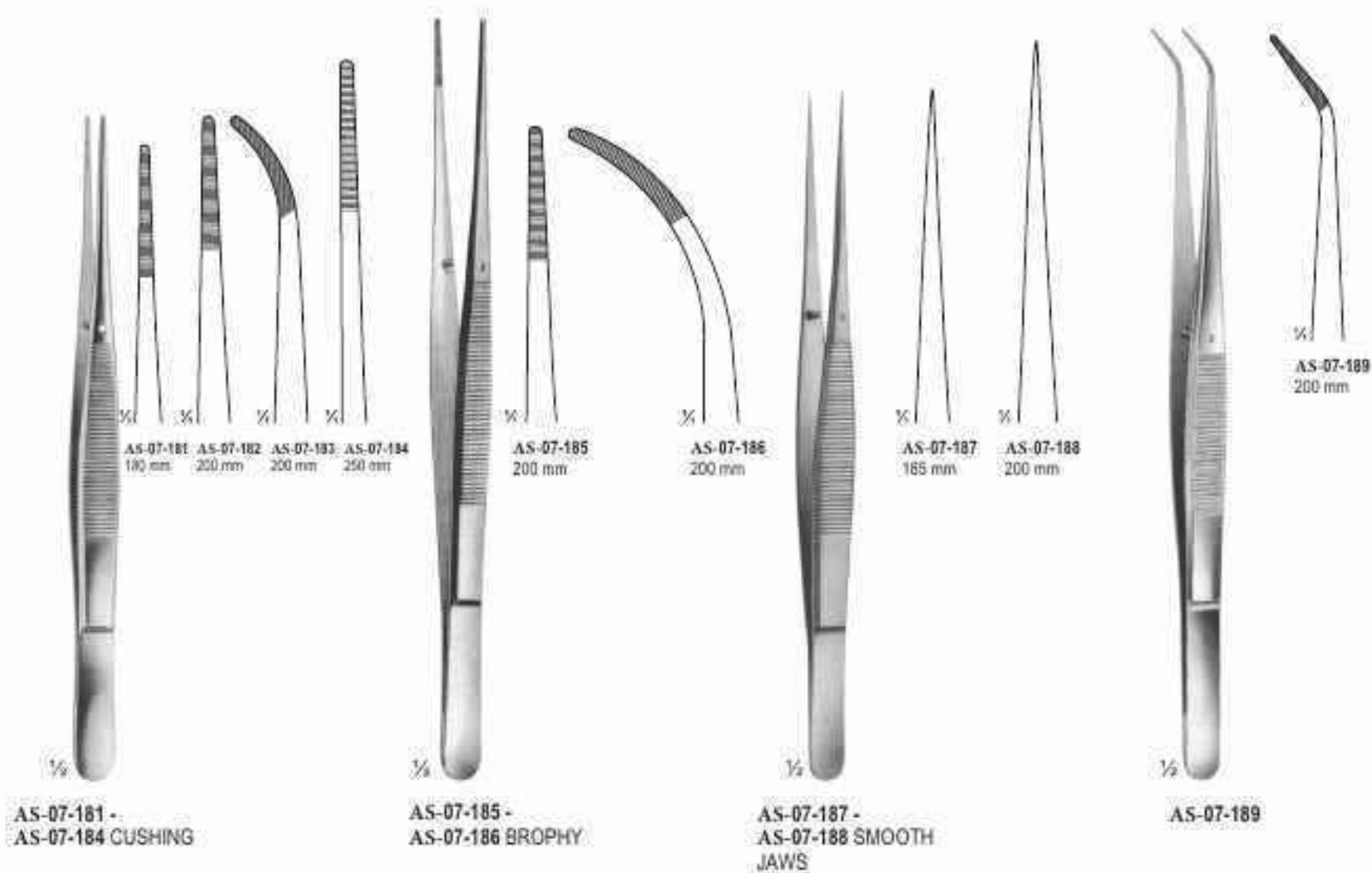
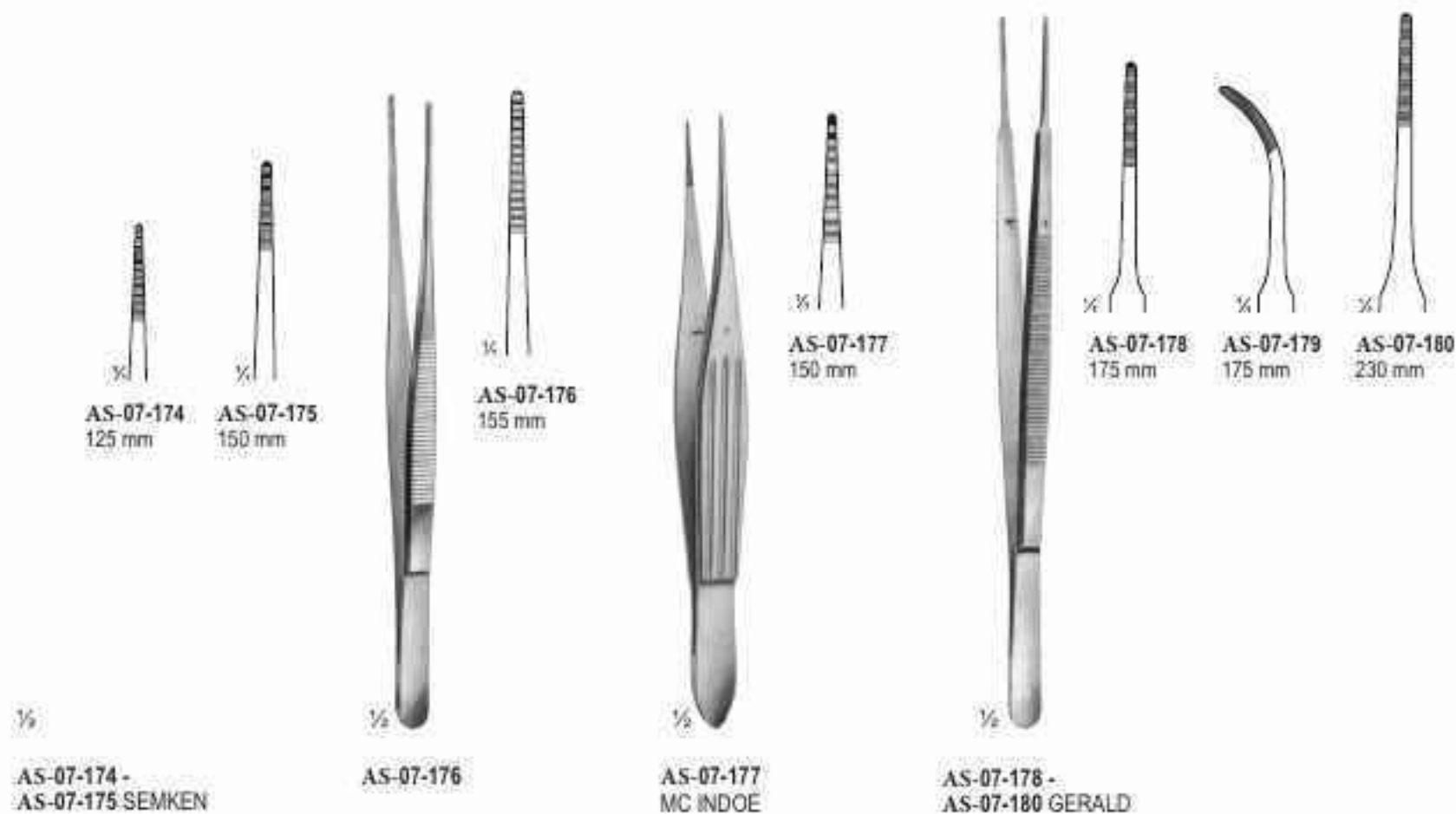
AS-07-144 -
AS-07-146 SAMII
Jaws Spoon-Shaped
230 mm

AS-07-147
HUNT
Tumor and Vessel Forceps
200 mm

AS-07-148
HUNT
Tumor and Vessel Forceps
200 mm

AS-07-149
YASARGIL
Tumor and Vessel Forceps
200 mm







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



AS-07-190
115 mm



AS-07-191
130 mm



AS-07-192
145 mm



AS-07-193
160 mm



AS-07-194
180 mm



AS-07-195
200 mm



AS-07-196
250 mm



AS-07-197
300 mm



AS-07-198 -
AS-102 MEDIUM



AS-07-198
115 mm



AS-07-199
130 mm



AS-07-200
145 mm



AS-07-201
160 mm



AS-07-202
305 mm



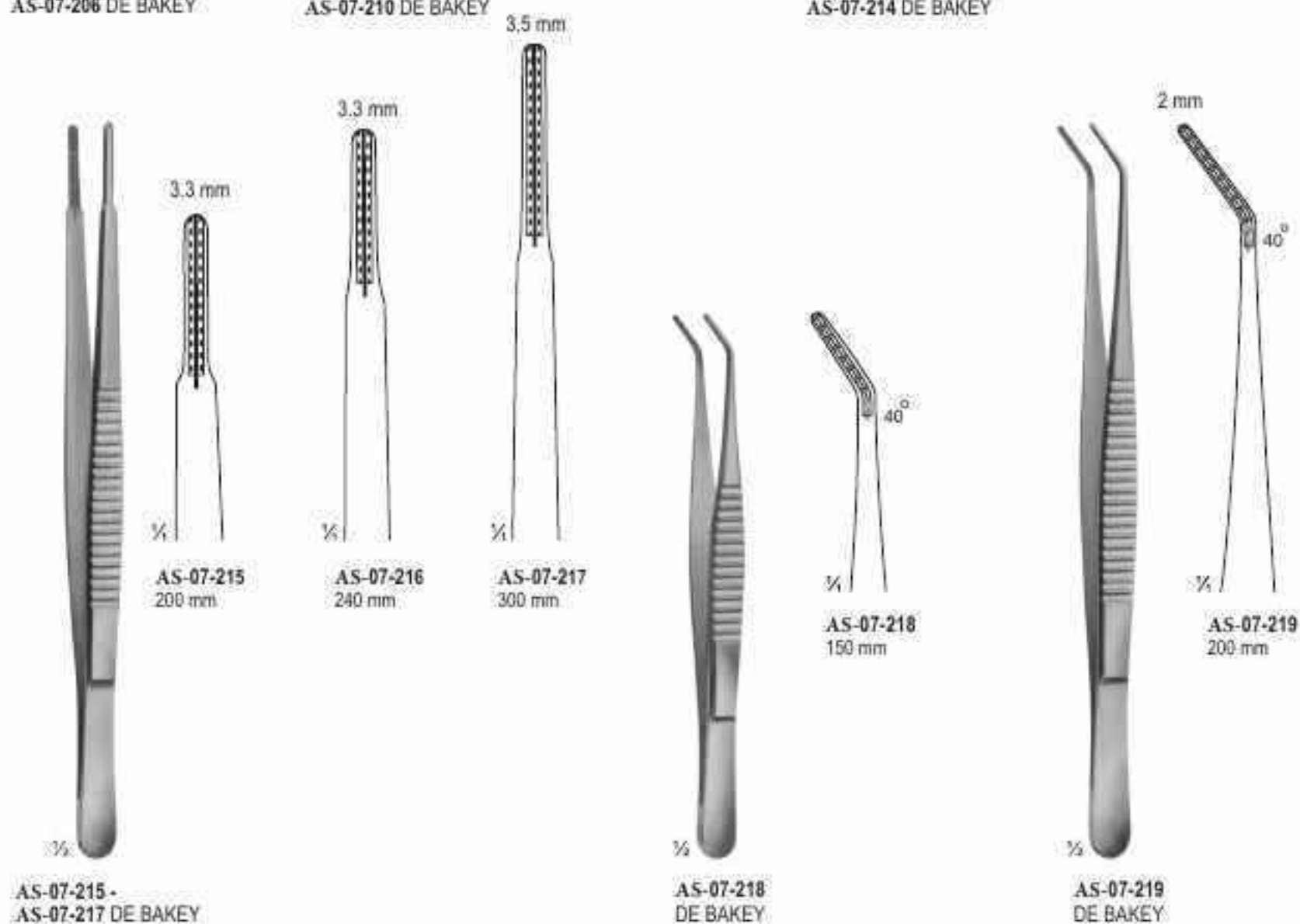
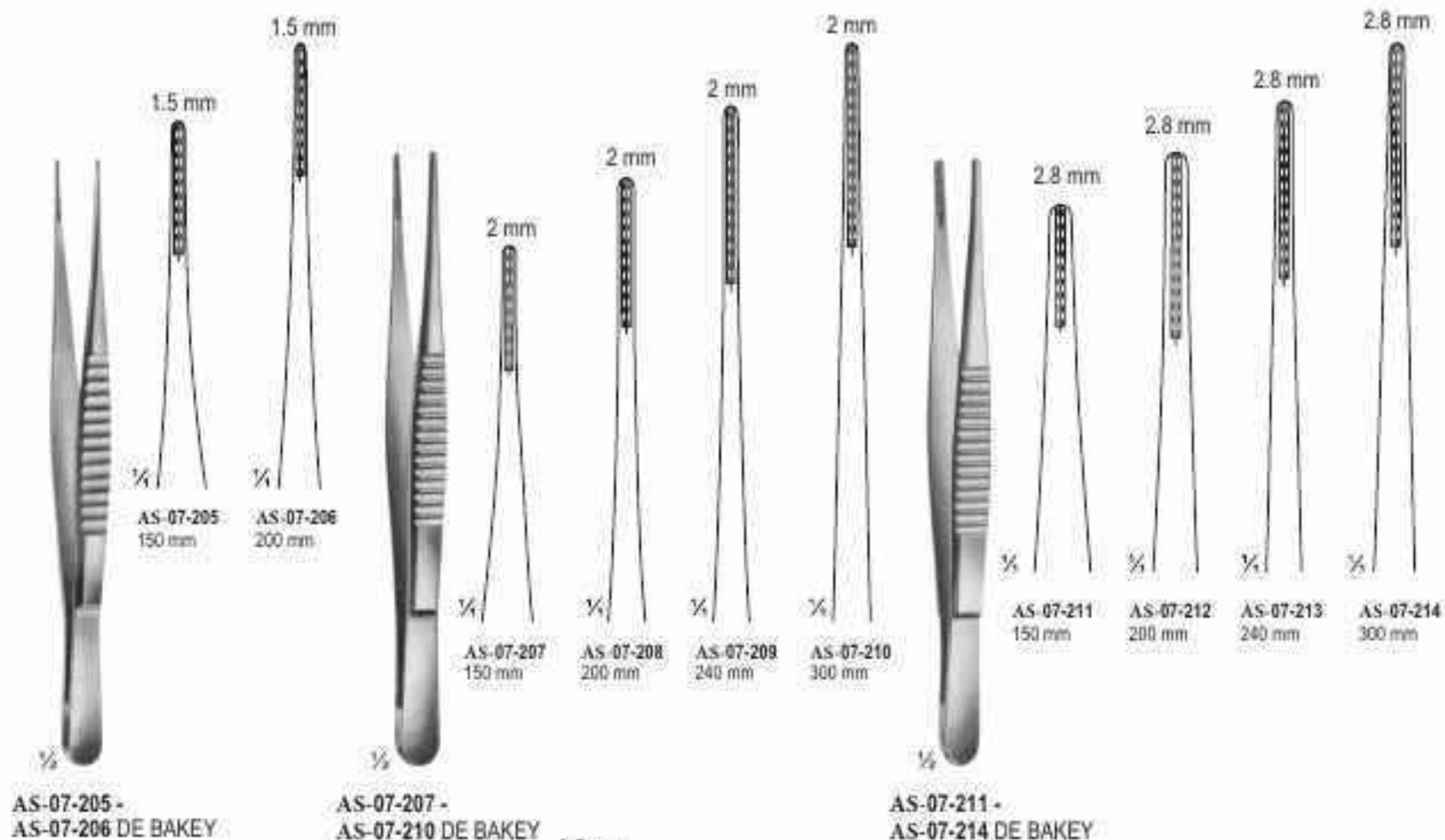
AS-07-203 -
AS-07-204 MEDIUM

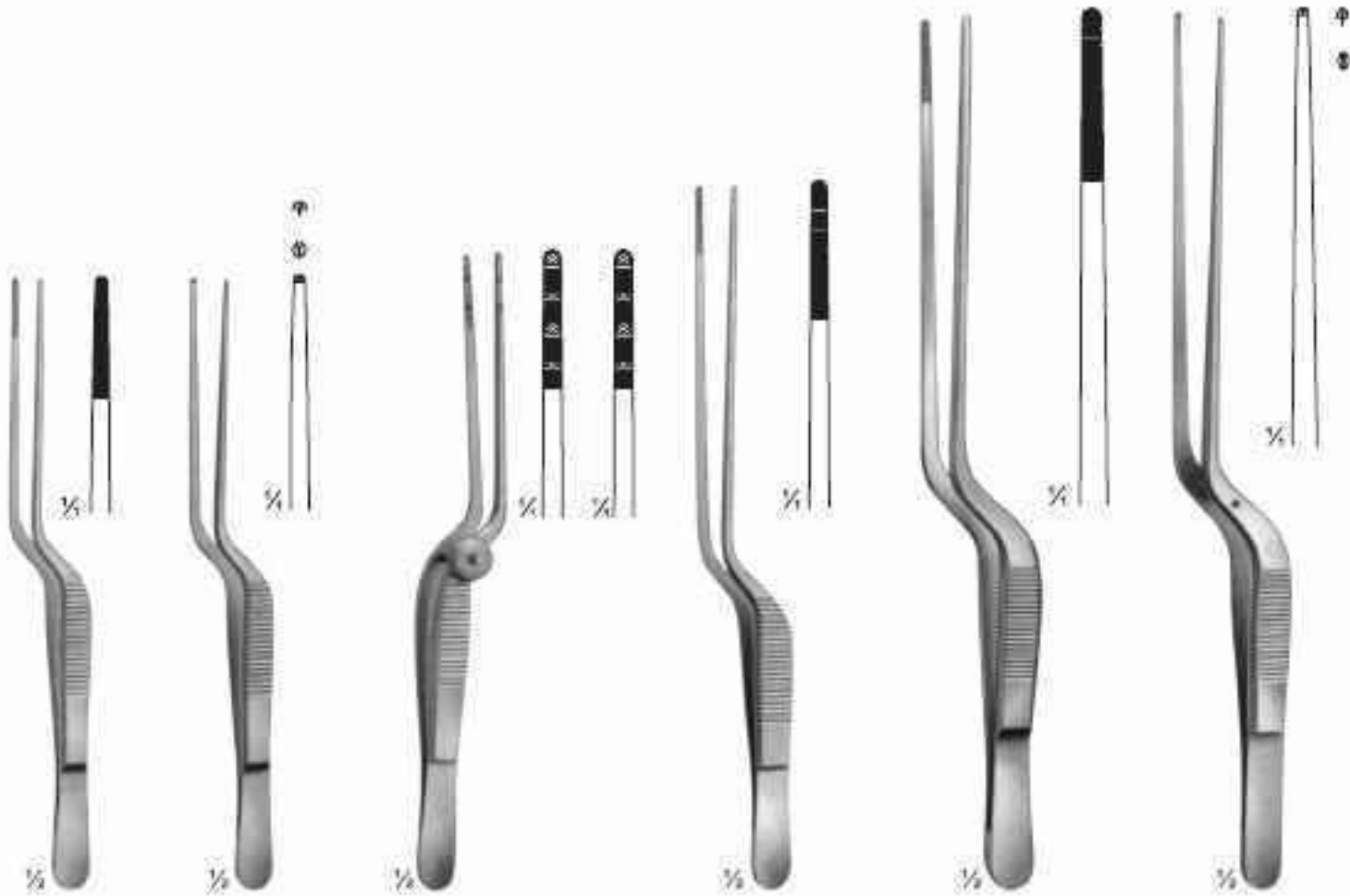


AS-07-203
130 mm



AS-07-204
145 mm





AS-07-220
LUCAE
140 mm

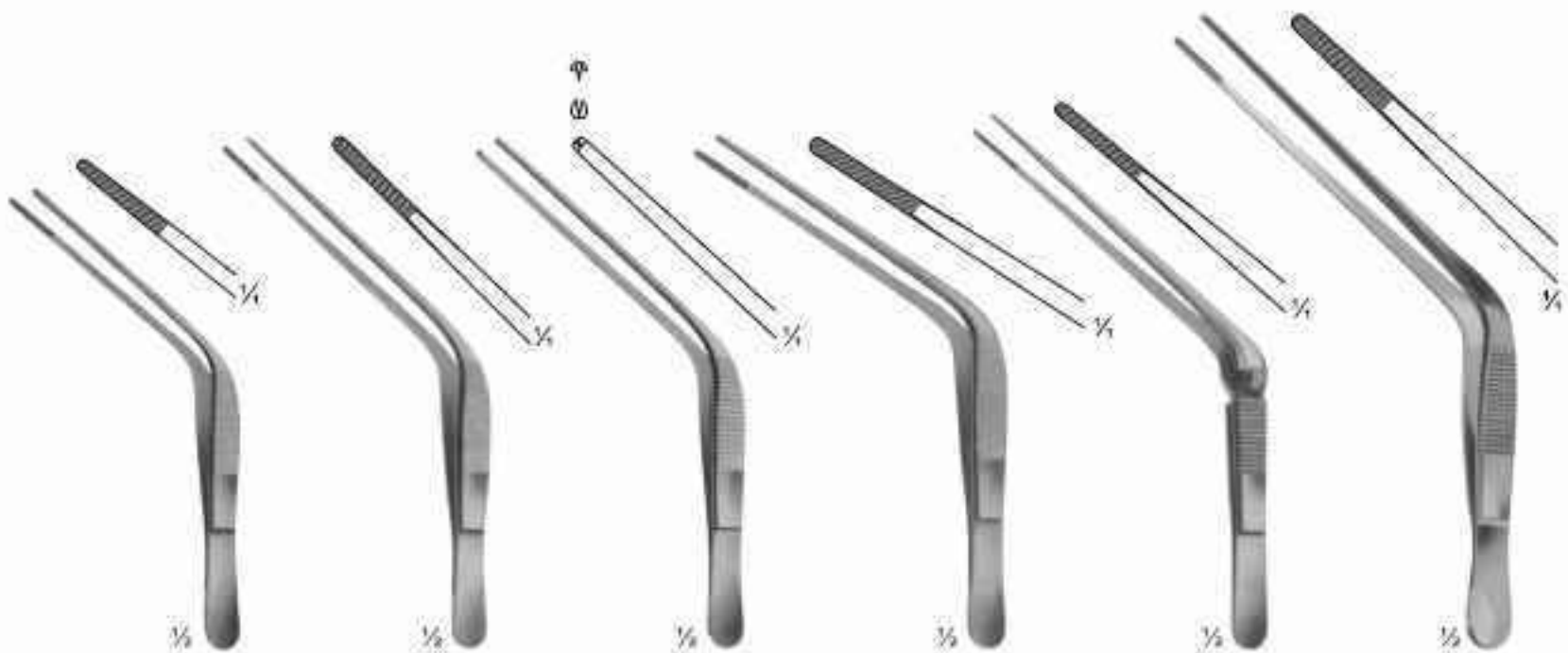
AS-07-221
LUCAE
1x2 teeth
140 mm

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



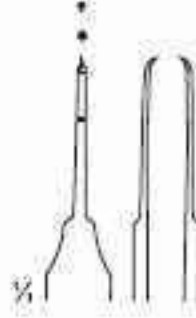
AS-07-232
BISHOP-HARMON
85 mm



AS-07-233
ST.MARTIN
80 mm



AS-07-234
CASTROVIEJO
teeth 0.9 mm
100 mm



AS-07-235
CASTROVIEJO
teeth 0.5 mm
100 mm



AS-07-236
ELSCHING
110 mm



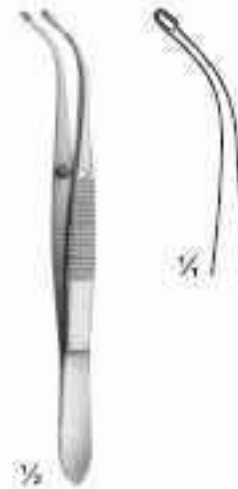
AS-07-237
GILL
75 mm



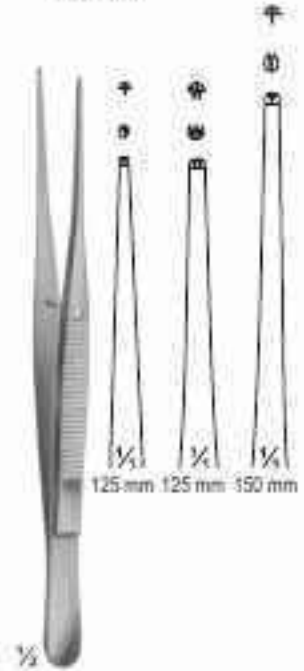
AS-07-238
GILL - HESS
75 mm



AS-07-239
HESS
70 mm



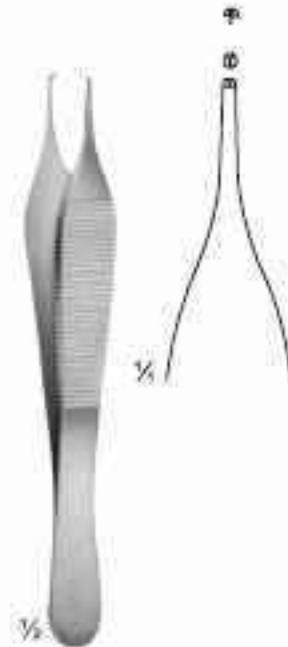
AS-07-240
ARRUGA
100 mm



AS-07-241
SEMKEN



AS-07-242
MICRO-ADSON
120 mm



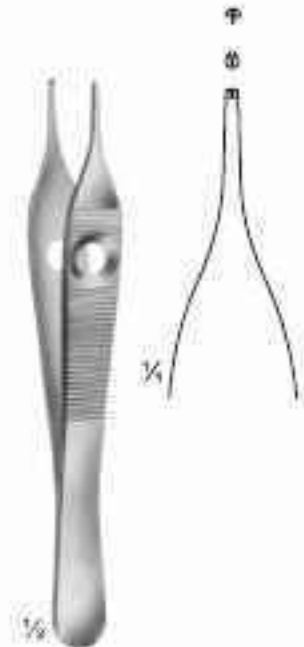
AS-07-243
ADSON
120 mm



AS-07-244
ADSON
120 mm

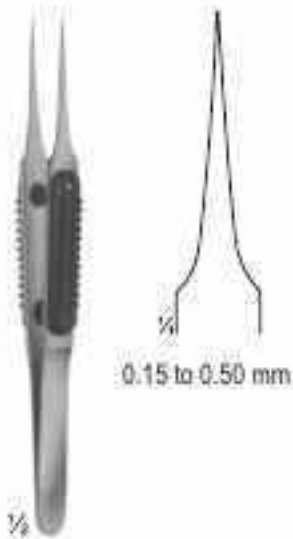


AS-07-245
ADSON
120 mm

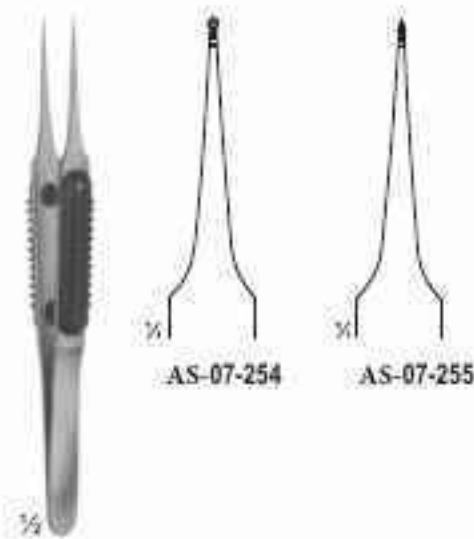


AS-07-246
ADSON
150 mm

O FORCEPS (LIGHT PATTERNS)



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



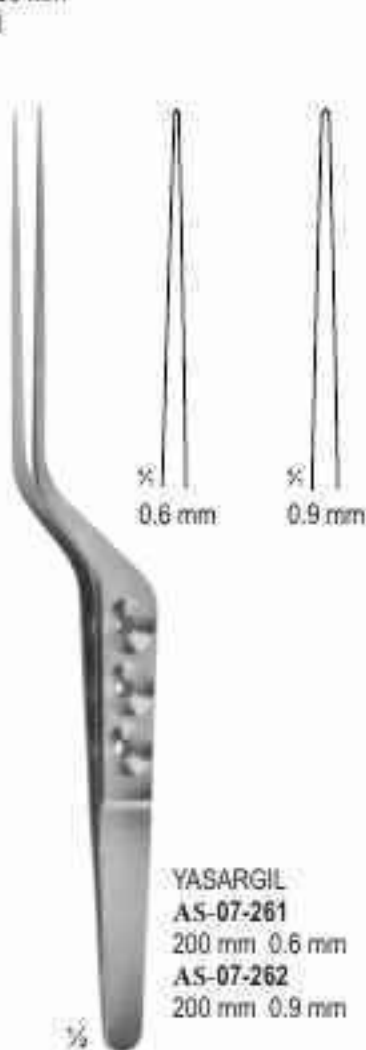
MULLER
AS-07-252
110 mm
AS-07-253
110 mm



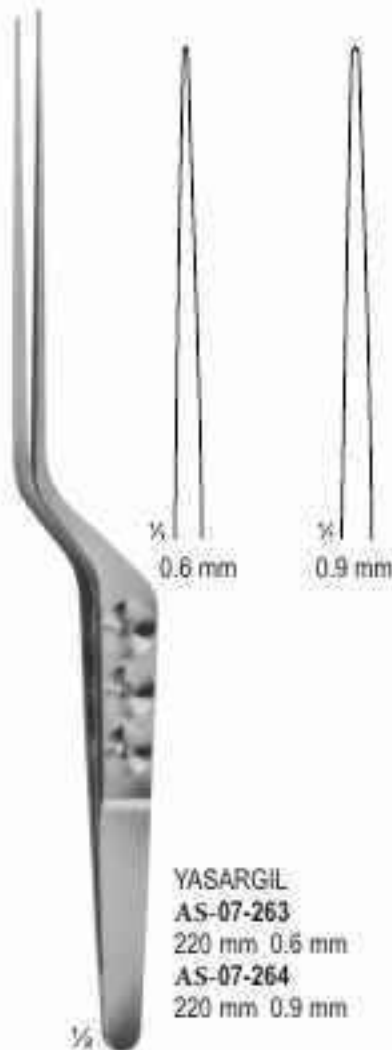
YASARGIL
AS-07-256
185 mm



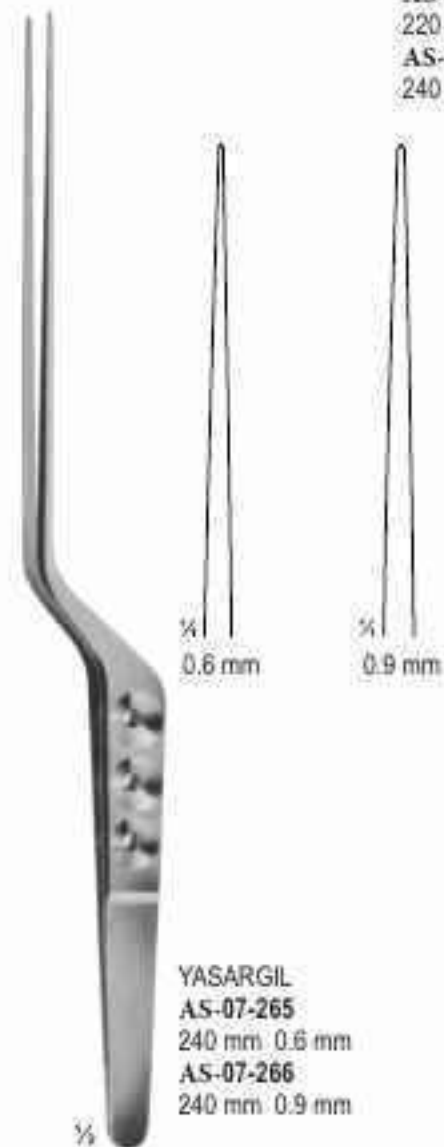
YASARGIL
AS-07-257
180 mm
AS-07-258
200 mm
AS-07-259
220 mm
AS-07-260
240 mm



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



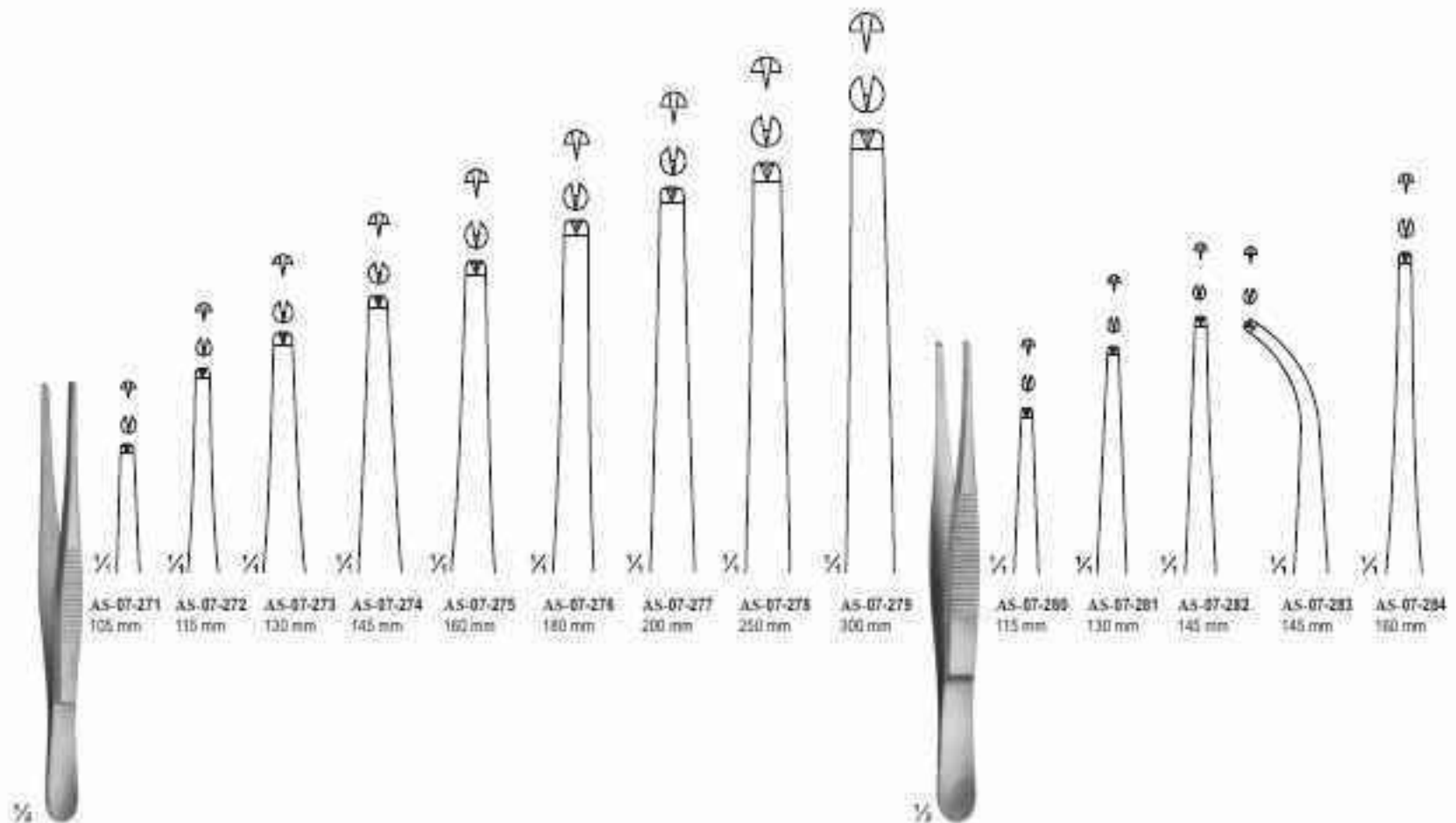
AS-07-268
BROWN
120 mm



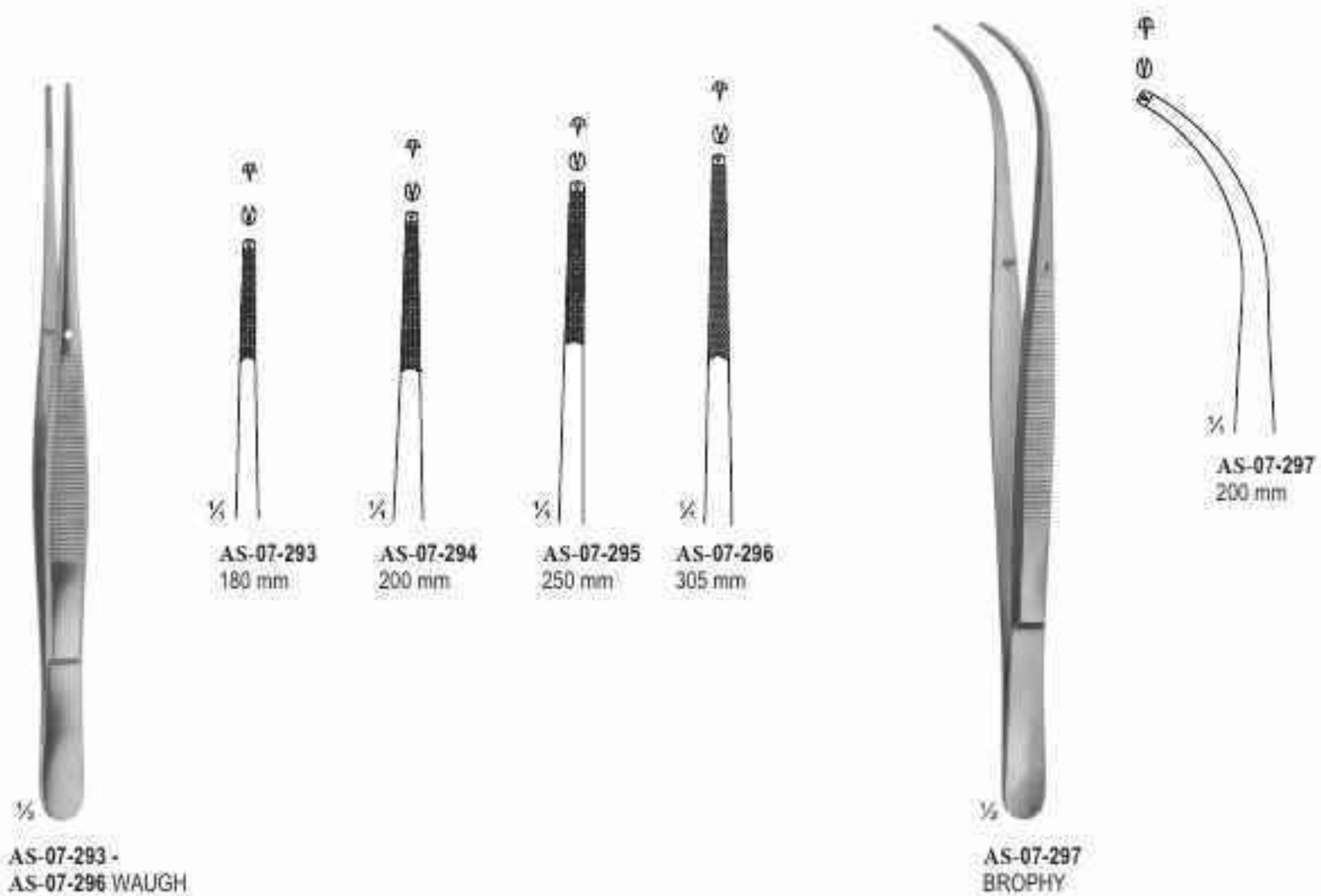
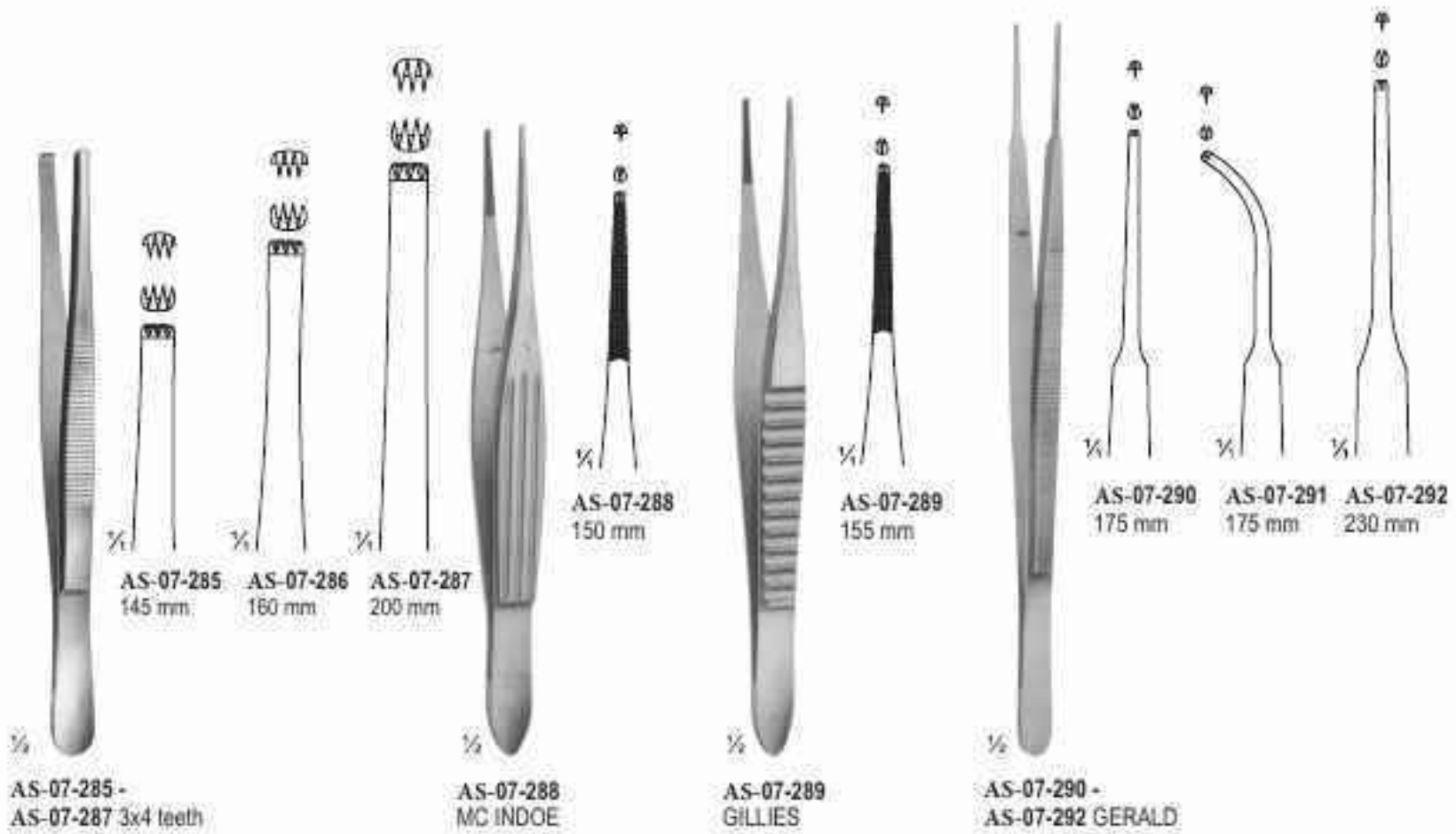
AS-07-269
GRAEFE
110 mm

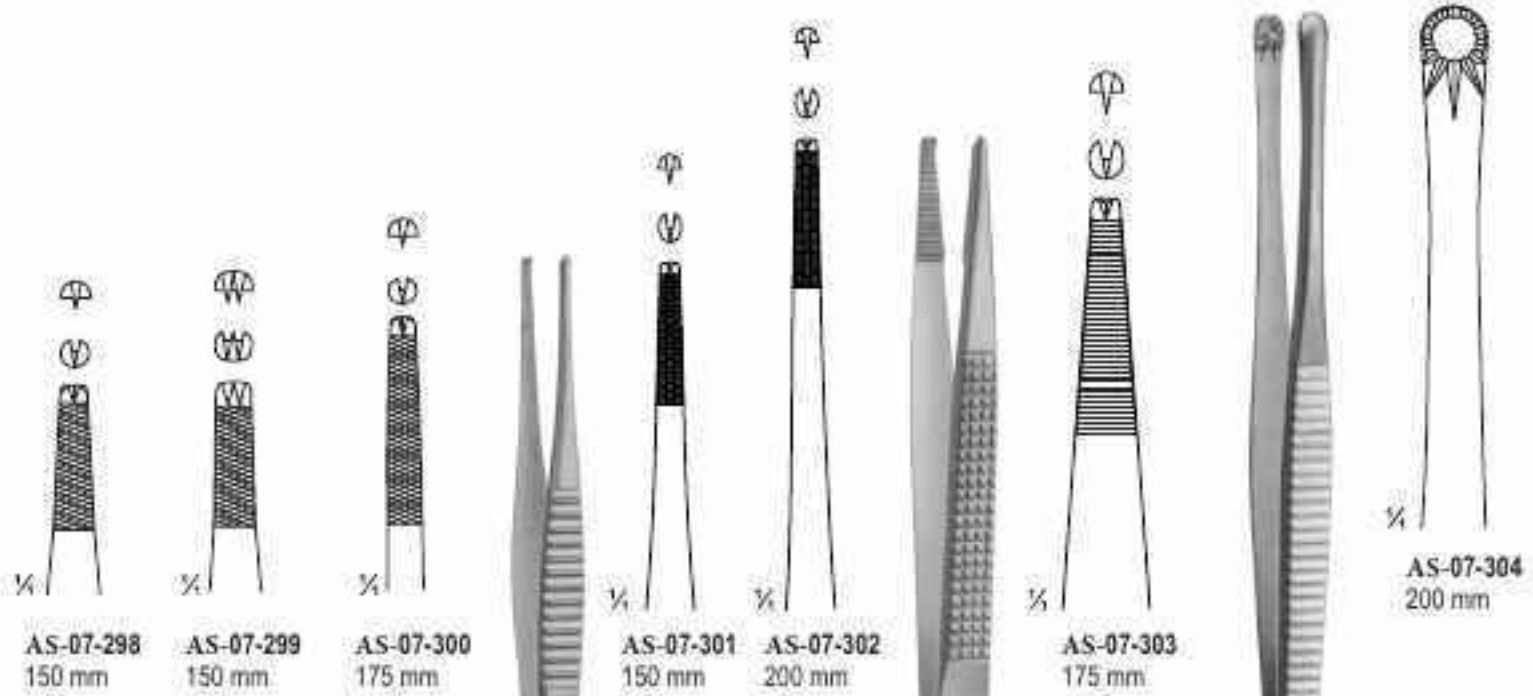


AS-07-270
GRAEFE
With Catch
110 mm

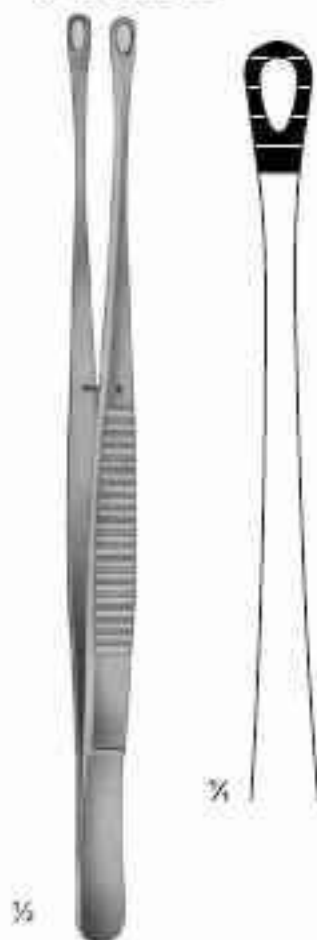


AS-07-271 -
AS-07-279
STANDARD





AS-07-398 -
AS-07-300 LANE



AS-07-305
TUTTLE
Lung Dissecting Forceps
230 mm

AS-07-301 -
AS-07-302
STRASSBURGER
MODELL



AS-07-306
NELSON
Lung Dissecting Forceps
230 mm

AS-07-303
BONNEY

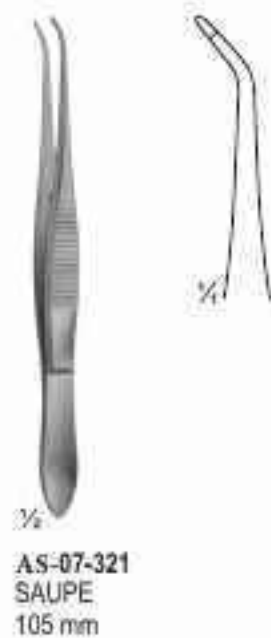


AS-07-307
DUVAL
Intestinal Forceps
140 mm

AS-07-304
RUSS MODELL
200 mm



AS-07-308
DENIS-BROWNE
Intestinal Forceps
190 mm





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"

WITH 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 BAKEY
AS-07-356
150 mm
AS-07-357
200 mm
AS-07-358
250 mm



DE BAKEY
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-NEVIN
AS-07-368
180 mm

Page 148–156

- Obstetrics
- Tracheotomy





AS-08-107
HERFF
puncturing forceps
225 mm



AS-08-108
IOWA
puncturing forceps
260 mm



1/6

AS-08-109
SIMPSON-BRAUN
305mm



1/6

AS-08-110
355 mm



1/6

AS-08-111
400 mm



1/6

AS-08-112
SIMPSON-BRAUN
305mm



1/6

AS-08-113
SIMPSON
235mm



1/6

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



SMELLIE
AS-08-118
305 mm



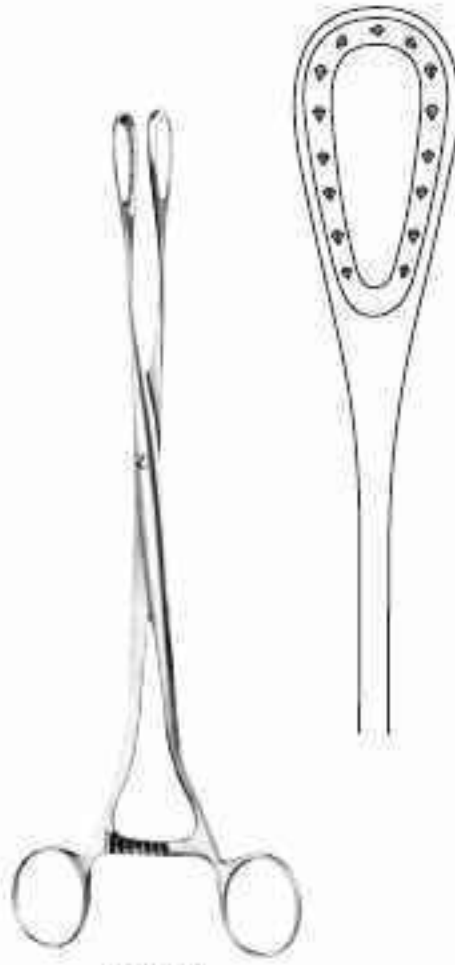
BOER
AS-08-119
290 mm



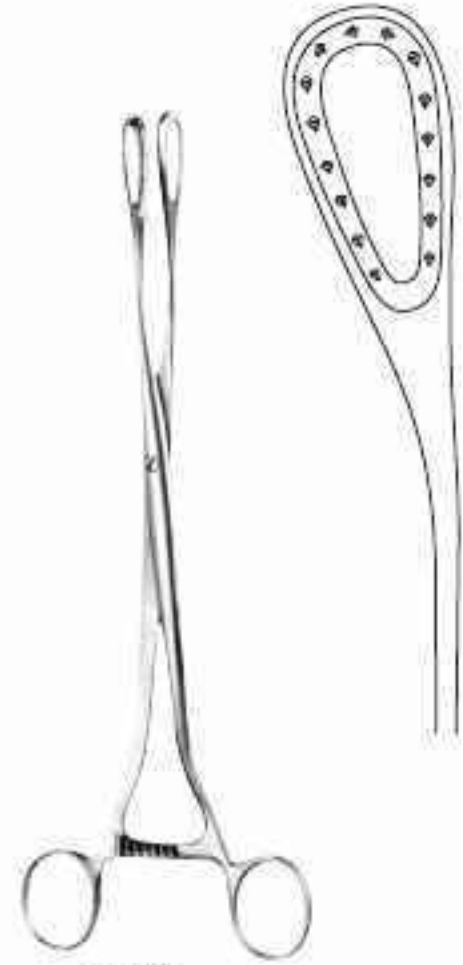
SMELLIE
Perforator
AS-08-120
270 mm



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



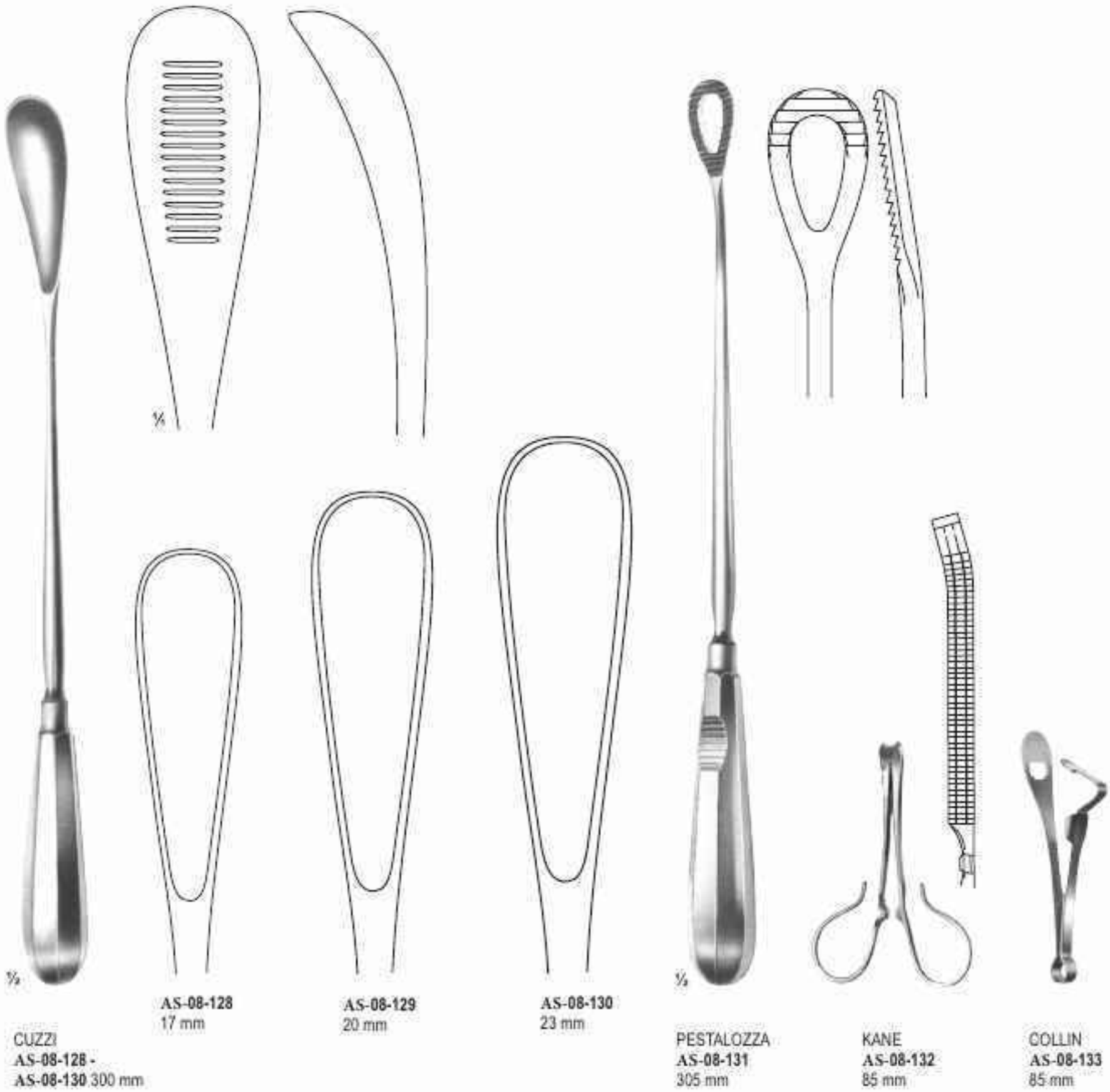
GAUSS
AS-08-125
Scalpel Flap
forceps
260 mm



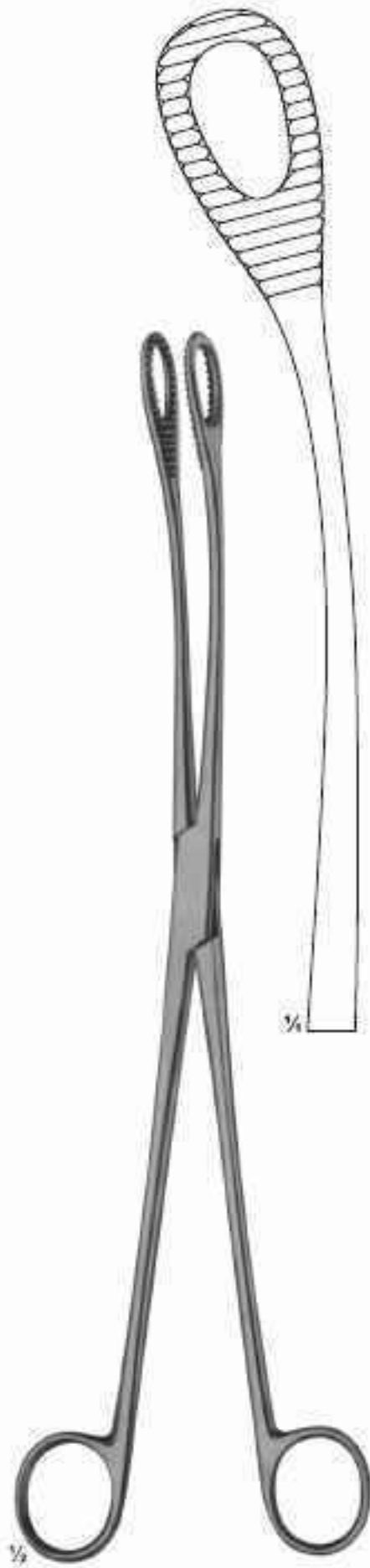
WILLET
AS-08-126
Scalpel Flap
forceps
185 mm



SELLHEIM
AS-08-17
320 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



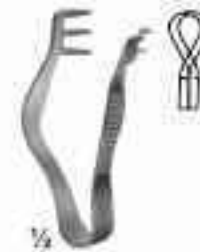
AS-08-146
sharp



AS-08-147
blunt



AS-08-148
stump/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



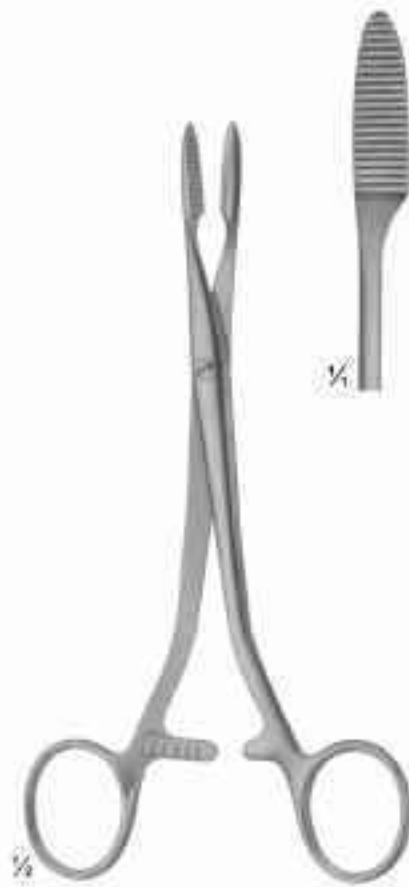
AS-08-153
LABORDE
strong pattern
135 mm



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

Page 157–185

- Haemostatic Forceps



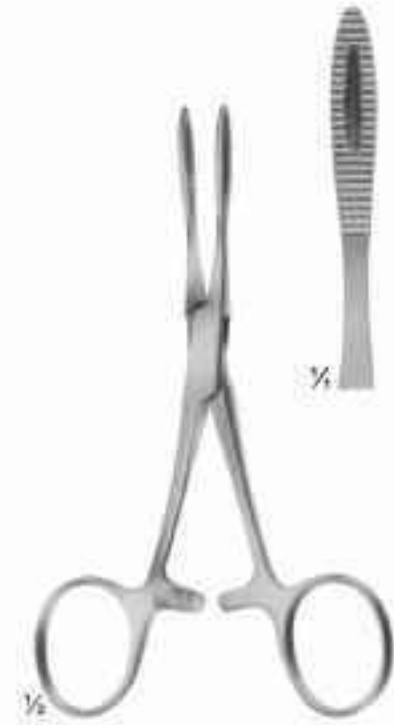
PEAN
AS-09-101 160 mm
AS-09-102 180 mm



PEAN
AS-09-103 125 mm



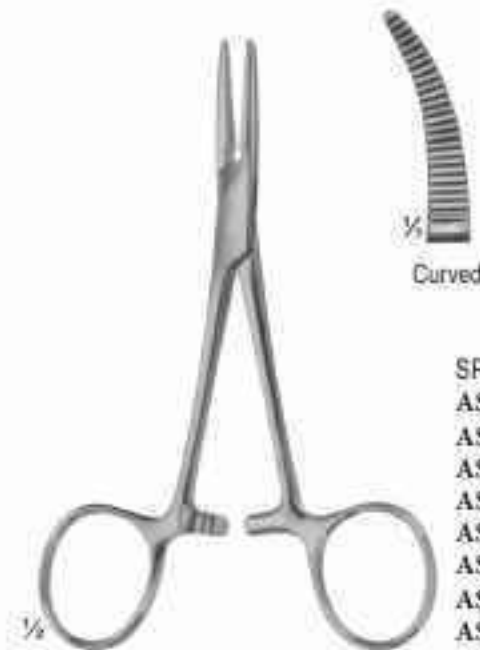
PEAN
AS-09-104 125 mm
AS-09-105 140 mm



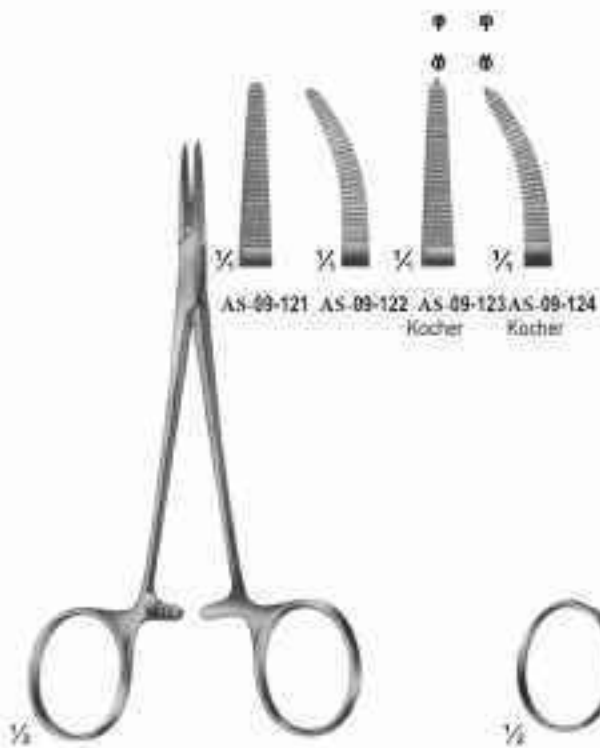
KRONLEIN
AS-09-106 130 mm



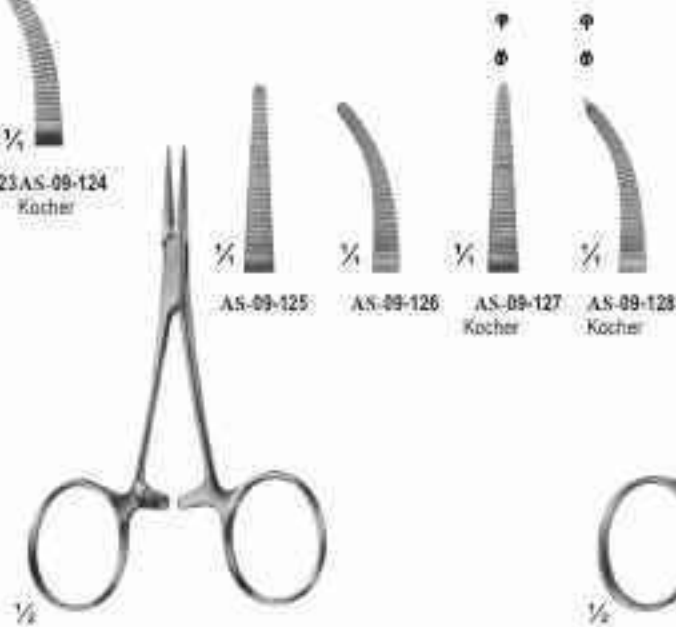
SPENCER-WELLS
AS-09-107 - AS-09-113
AS-09-107 130 mm
AS-09-108 140 mm
AS-09-109 150 mm
AS-09-110 180 mm
AS-09-111 200 mm
AS-09-112 250 mm
AS-09-113 300 mm



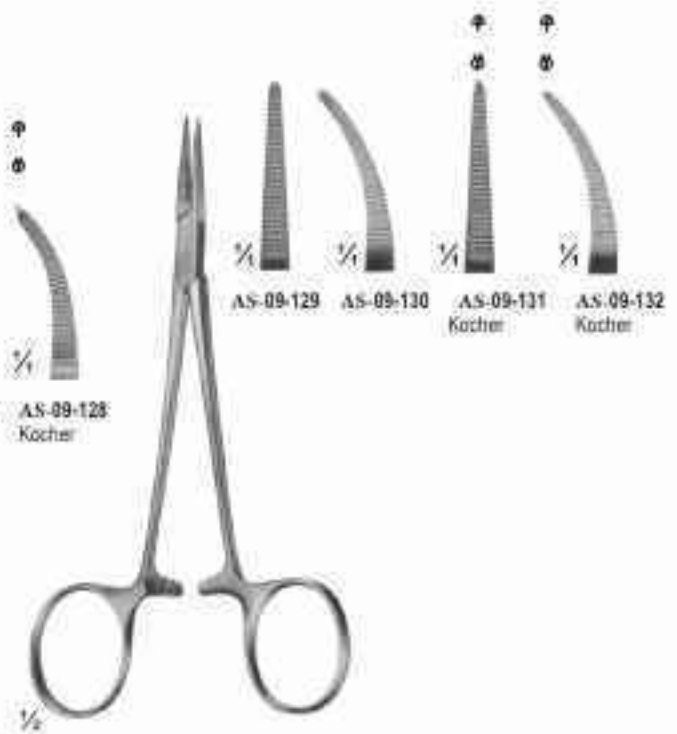
SPENCER-WELLS
AS-09-114 -
AS-09-120
AS-09-114 130 mm
AS-09-115 140 mm
AS-09-116 150 mm
AS-09-117 180 mm
AS-09-118 200 mm
AS-09-119 250 mm
AS-09-120 300 mm



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



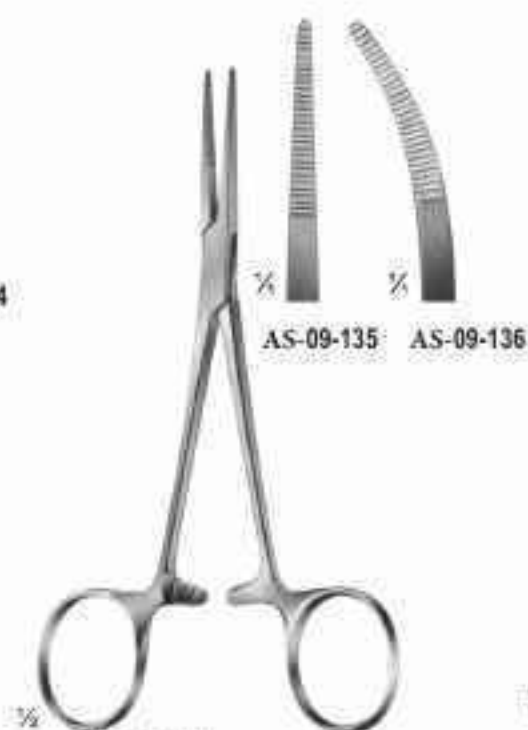
AS-09-125 -
AS-09-128 BABY-
MOSQUITO
(HARTMANN)
100 mm



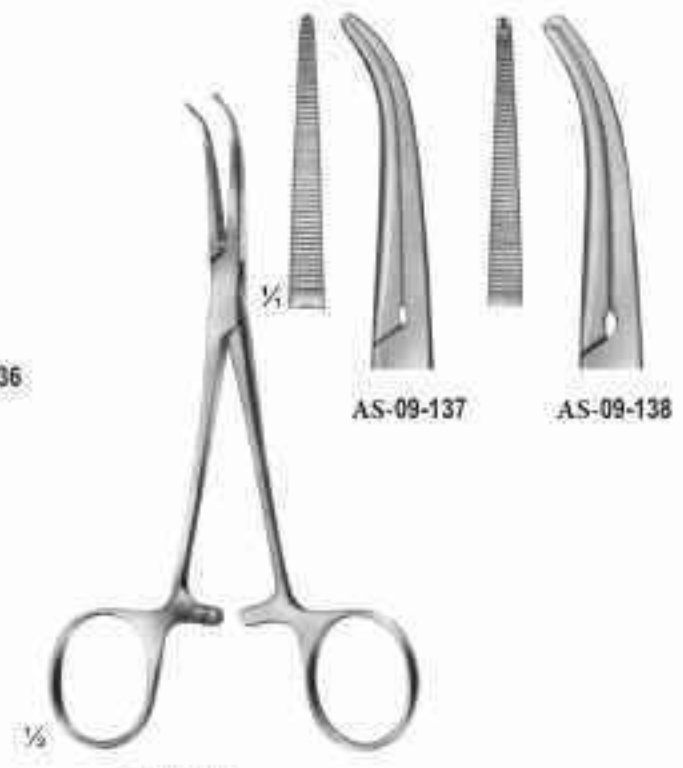
AS-09-129 -
AS-09-132 MICRO-
HALSTED 125 mm



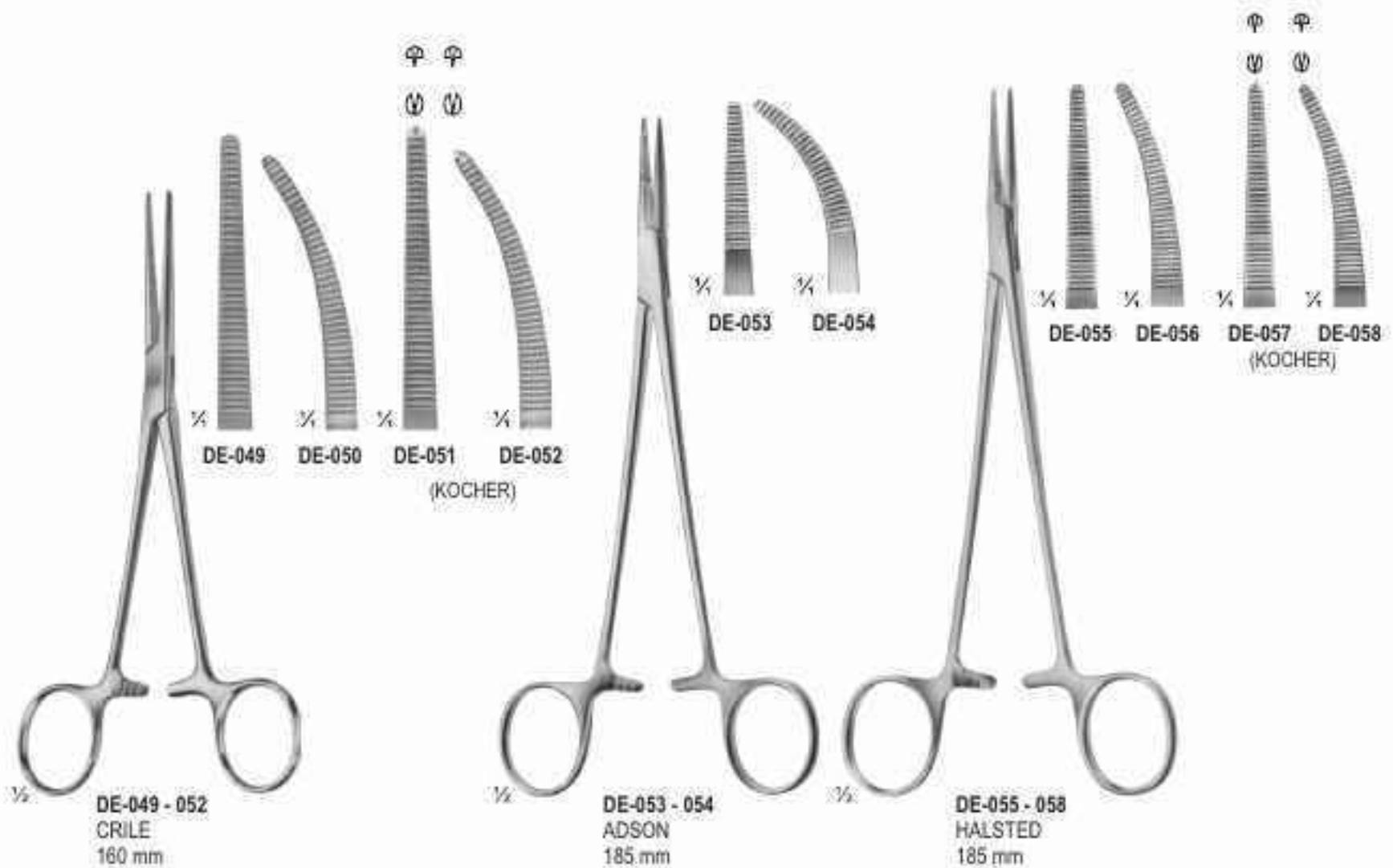
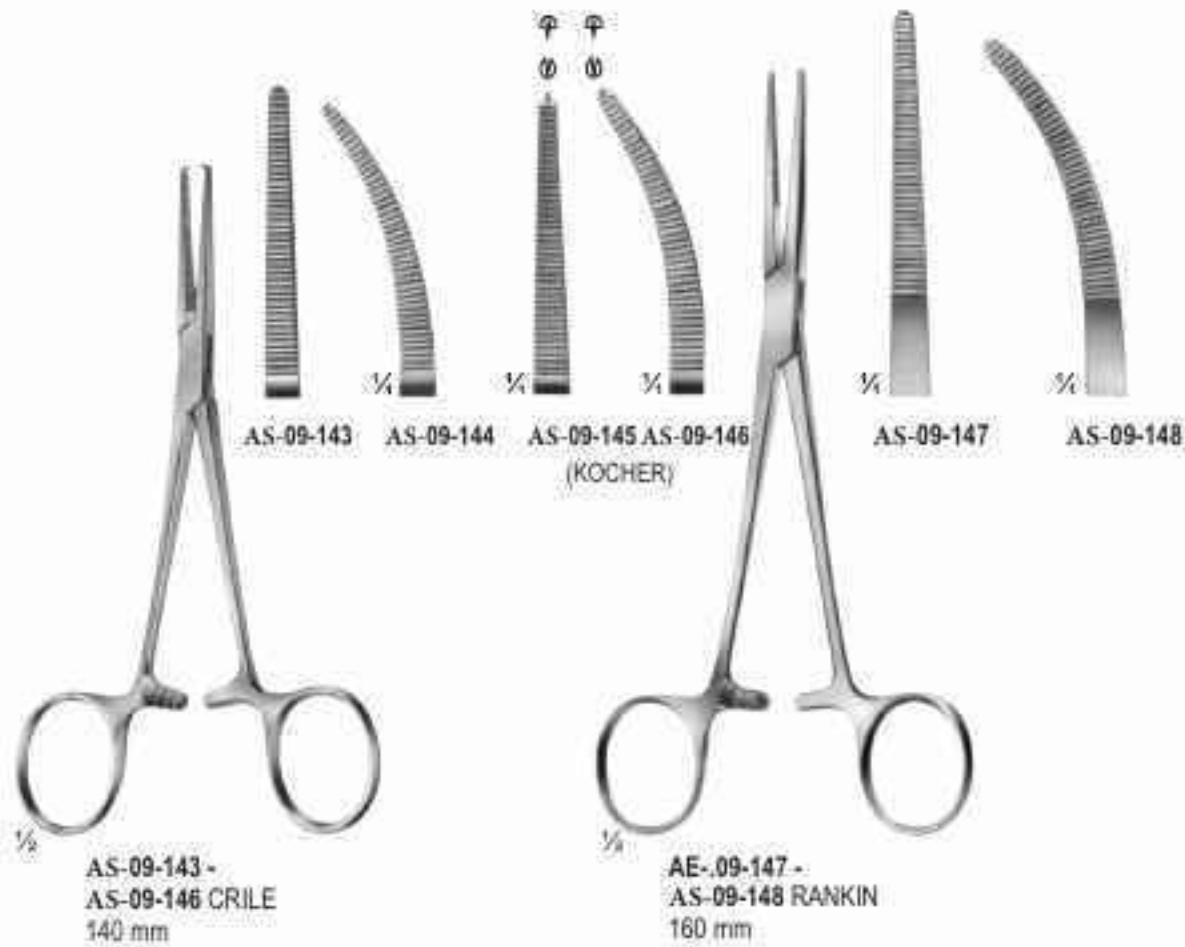
AS-09-133 - AS-09-134
PROVIDENCE-HOSPITAL
140 mm



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



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





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



AS-09-159



AS-09-160



AS-09-161



AS-09-162

(Kocher)



AS-09-163



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



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



AS-09-166



AS-09-167



AS-09-168

(Kocher)



AS-09-169



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

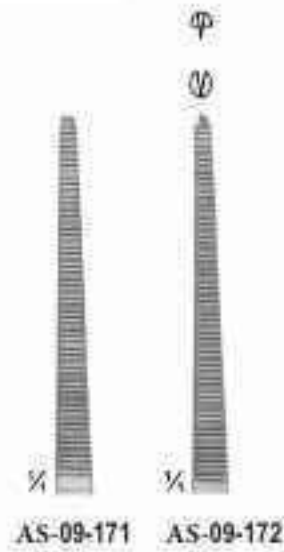


AS-09-170
CRAFOORD
245 mm

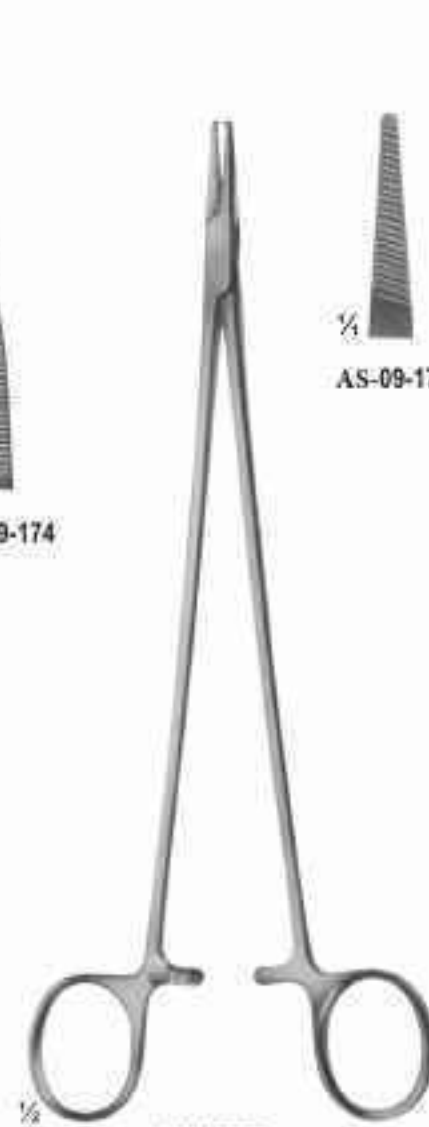
AS-09-170



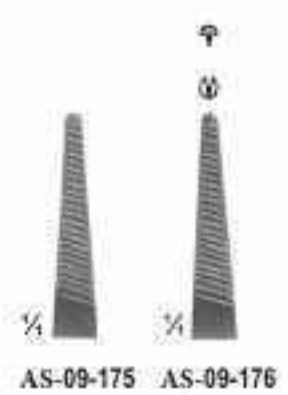
HALSTED-MOSQUITO
AS-09-171 180 mm
AS-09-172 210 mm



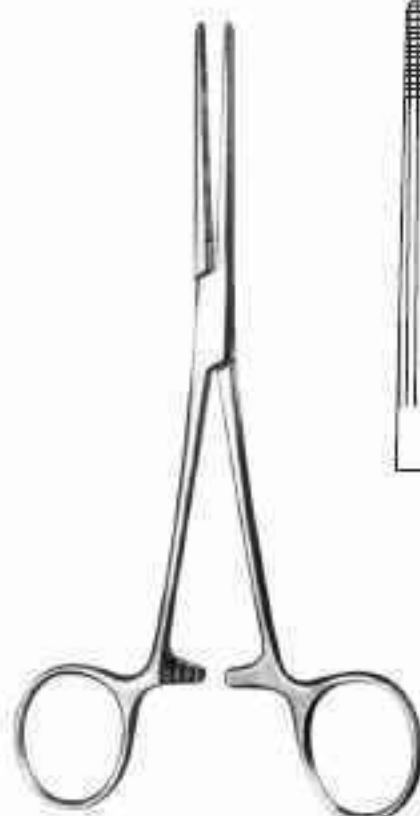
HALSTED-MOSQUITO
AS-09-173 180 mm
AS-09-174 210 mm



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



MARTIN-FUCHSIG
AS-09-177
200 mm

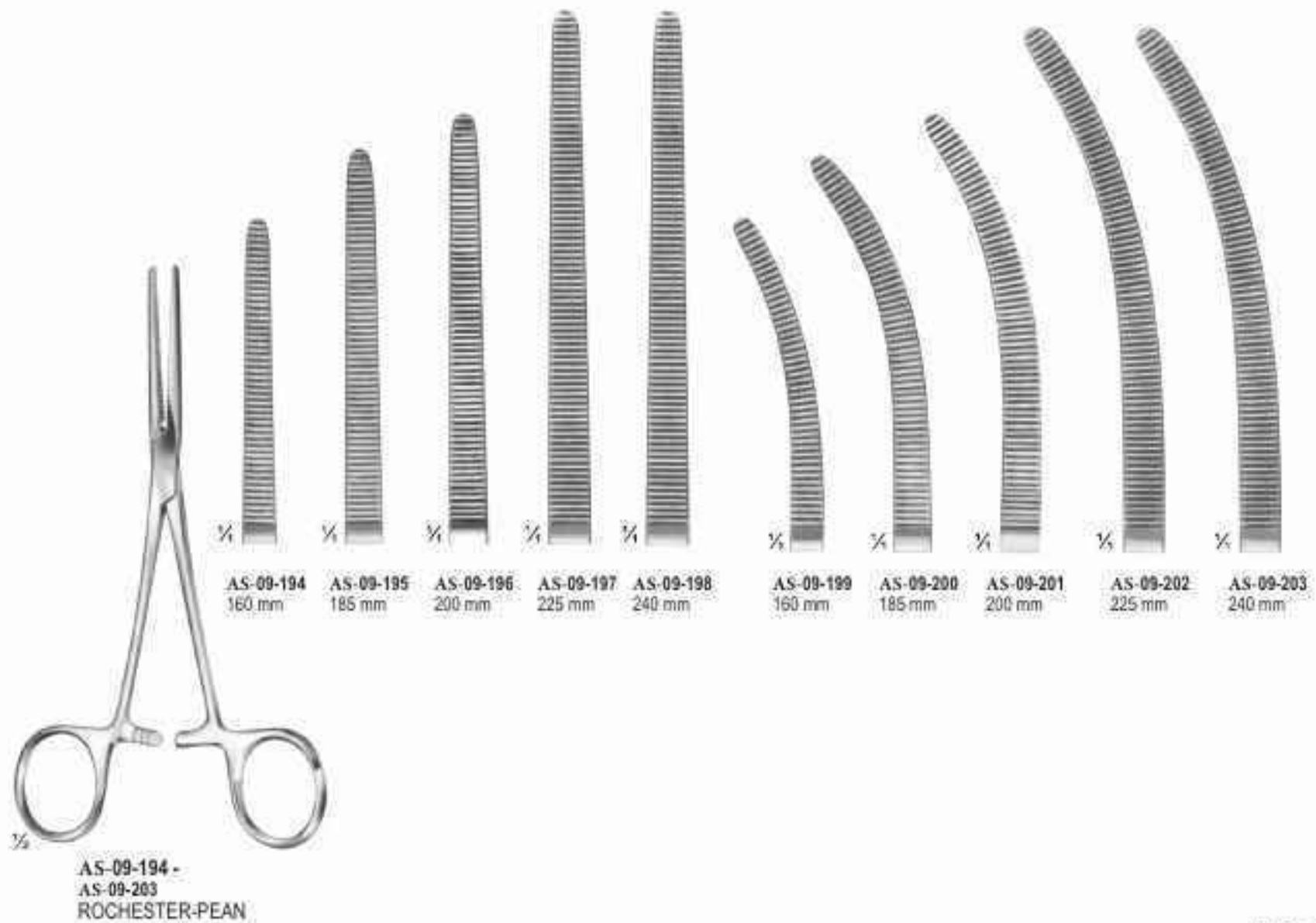
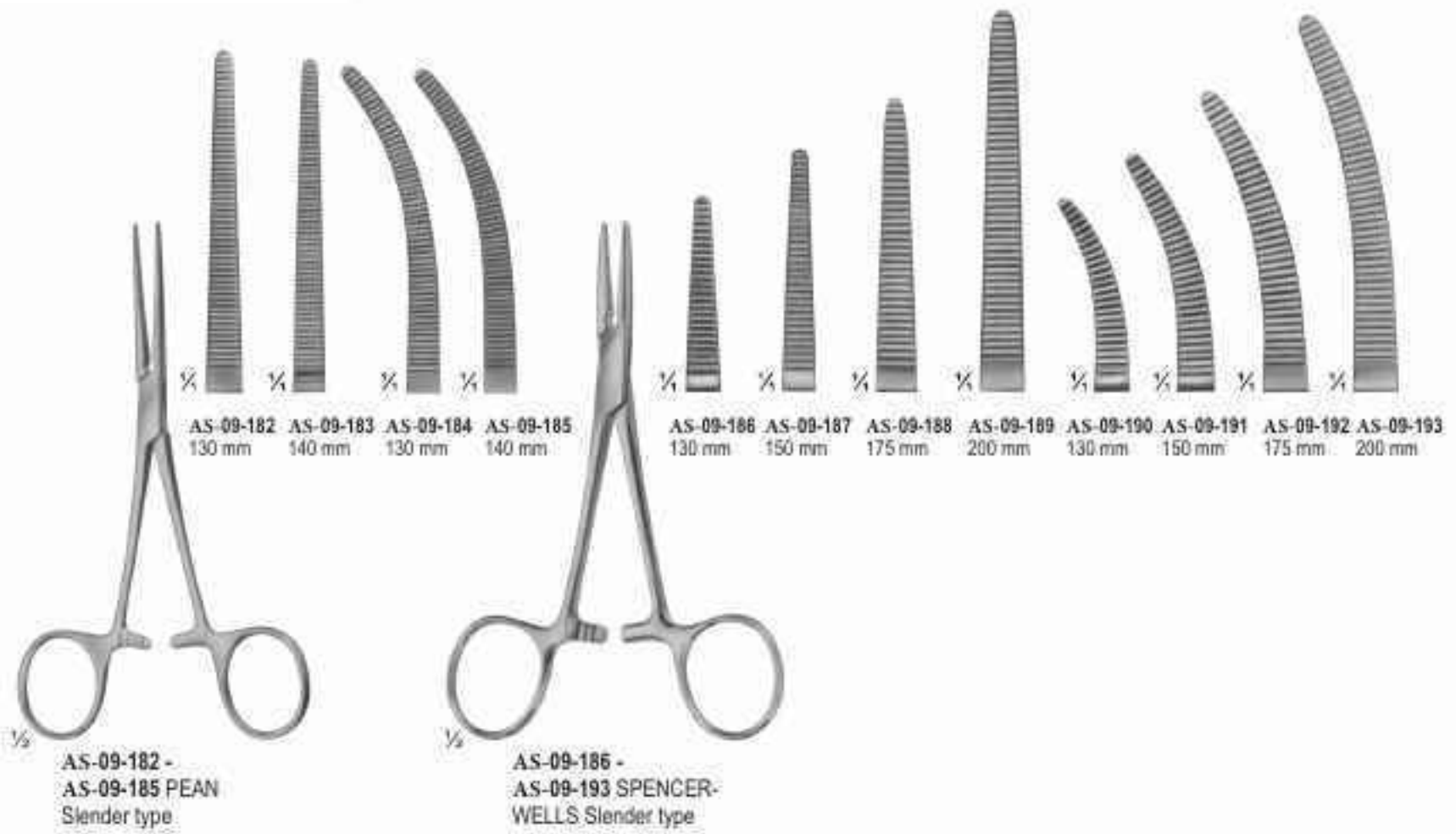


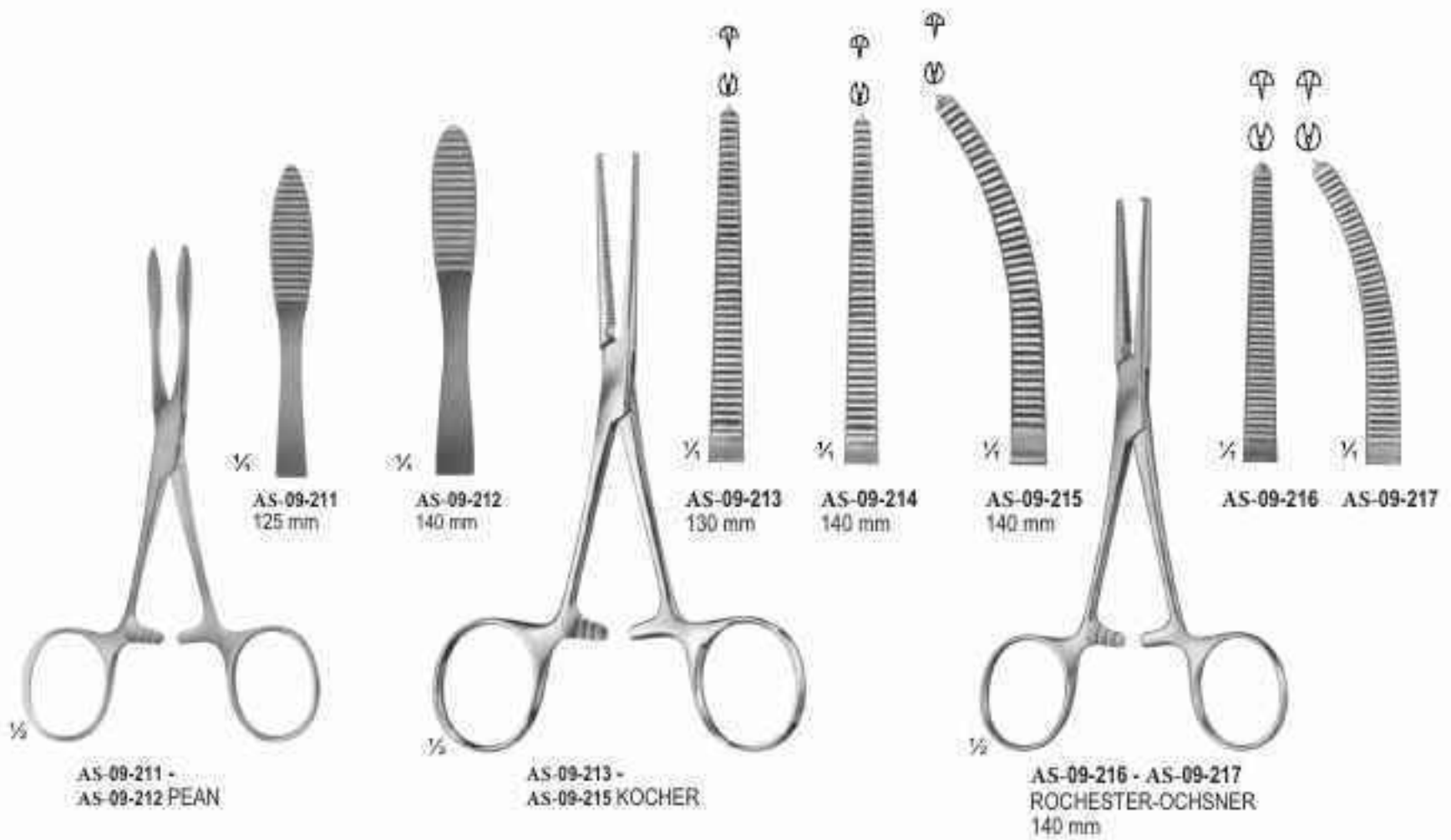
ROCHESTER-CARMALT
AS-09-178 170 mm
AS-09-179 200 mm



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

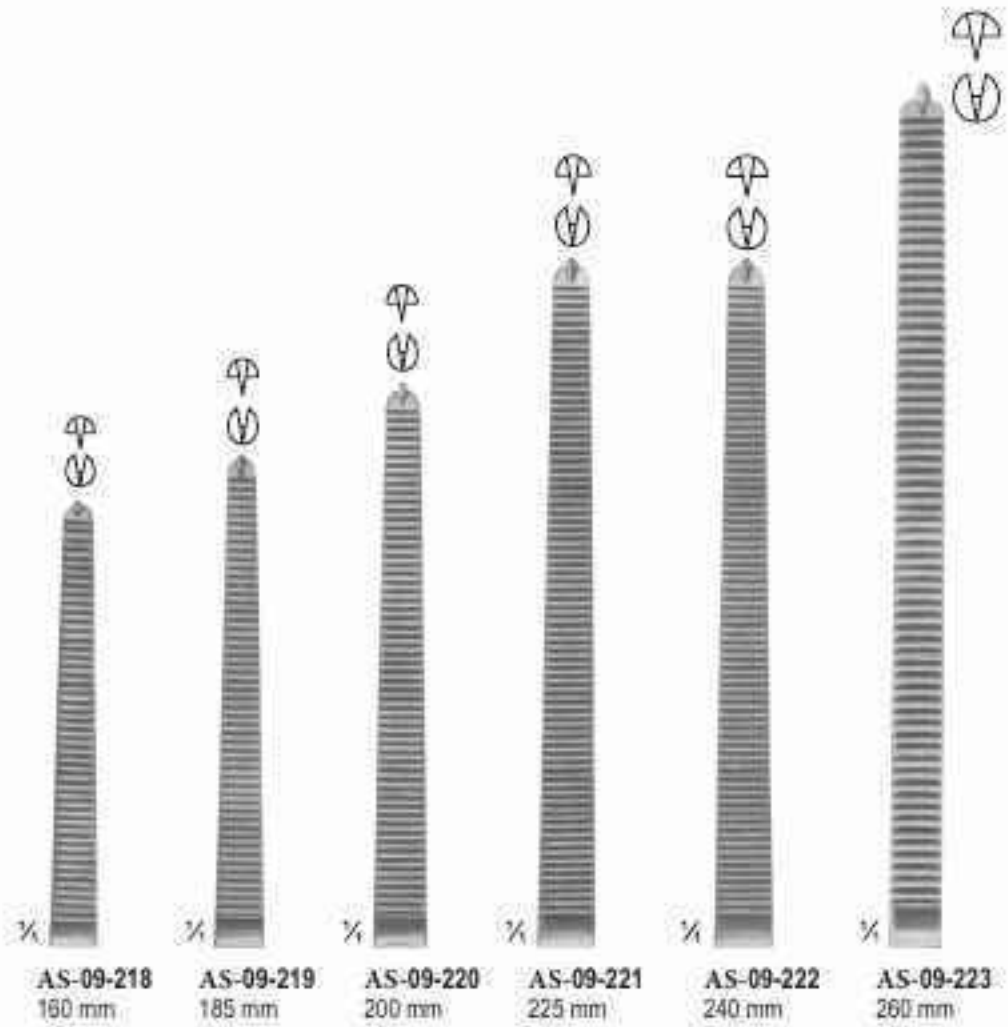




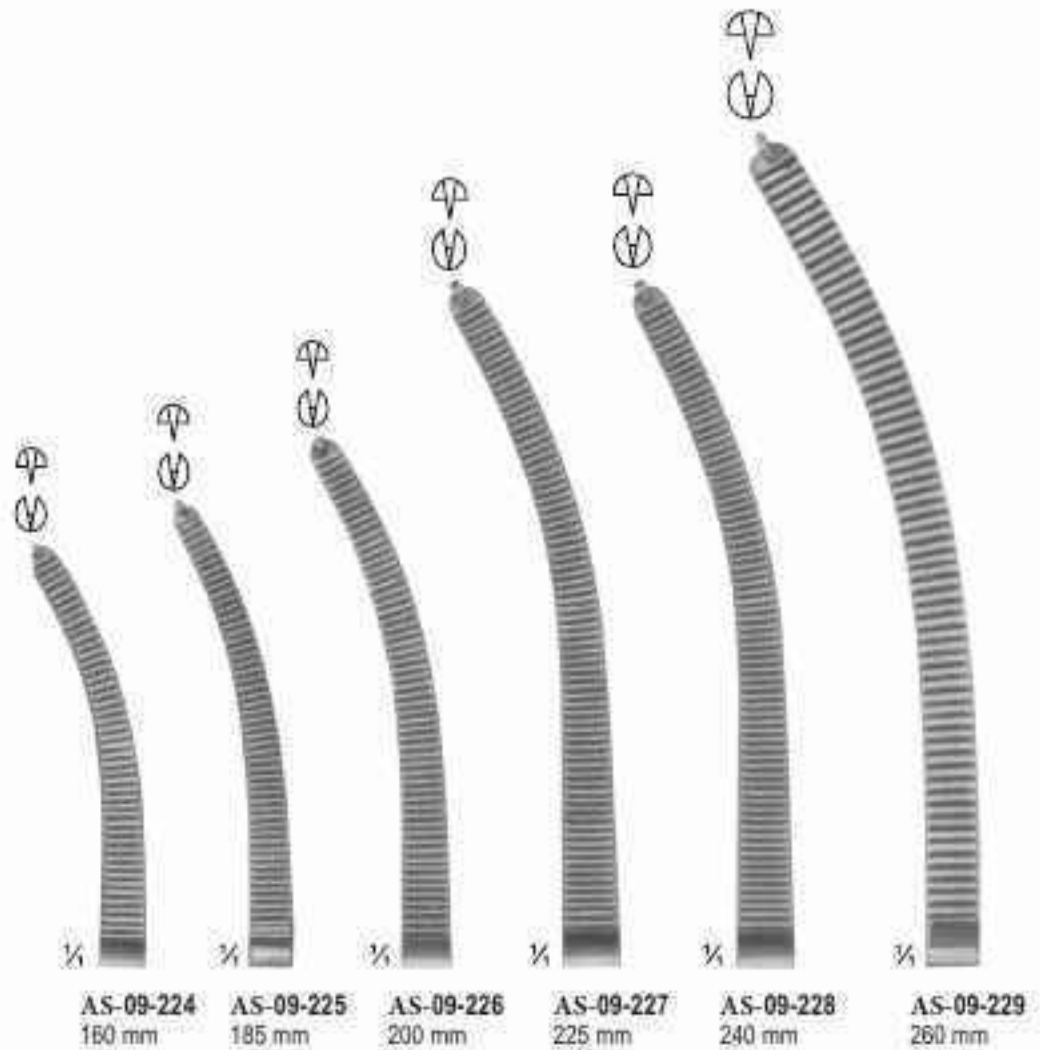


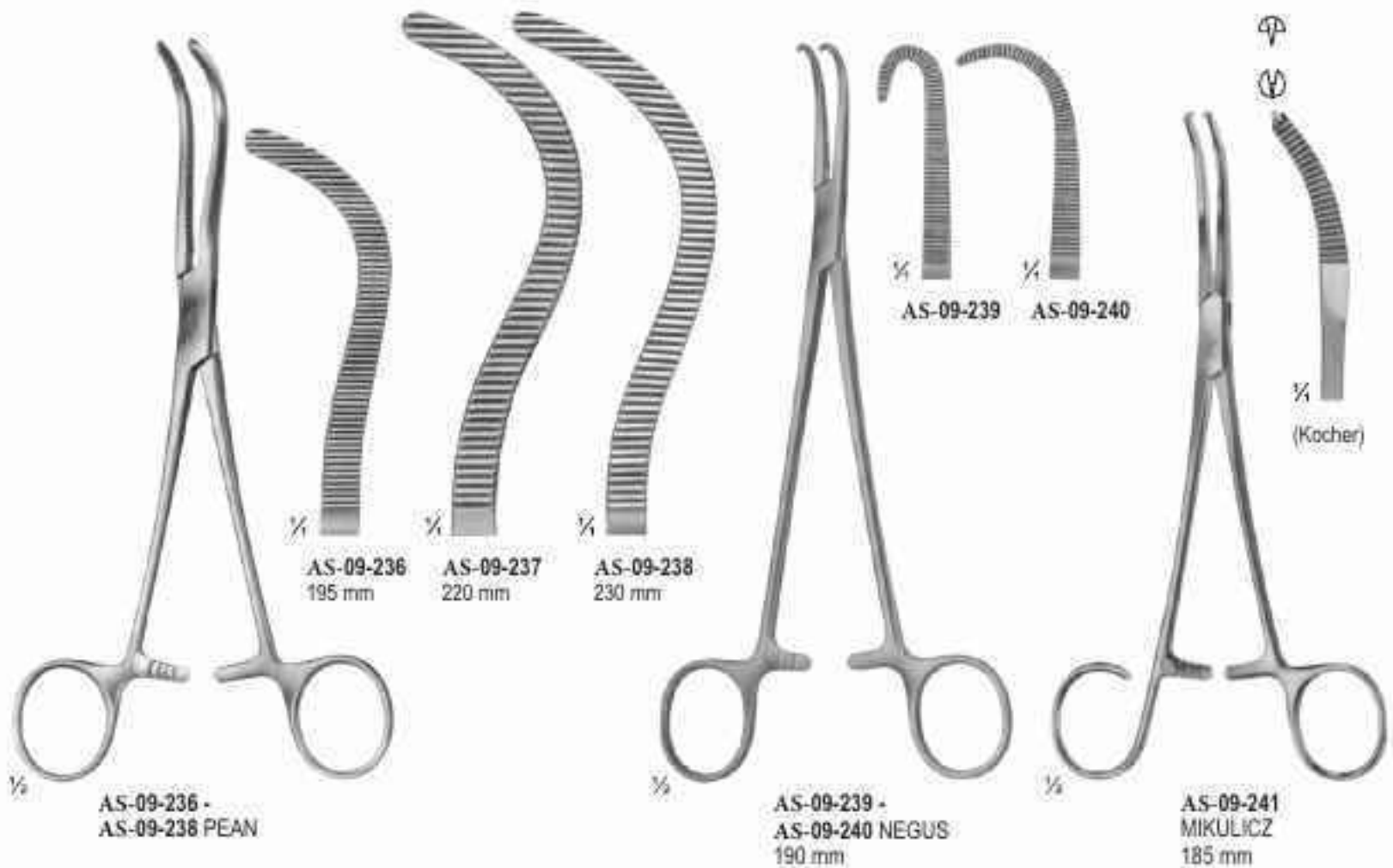
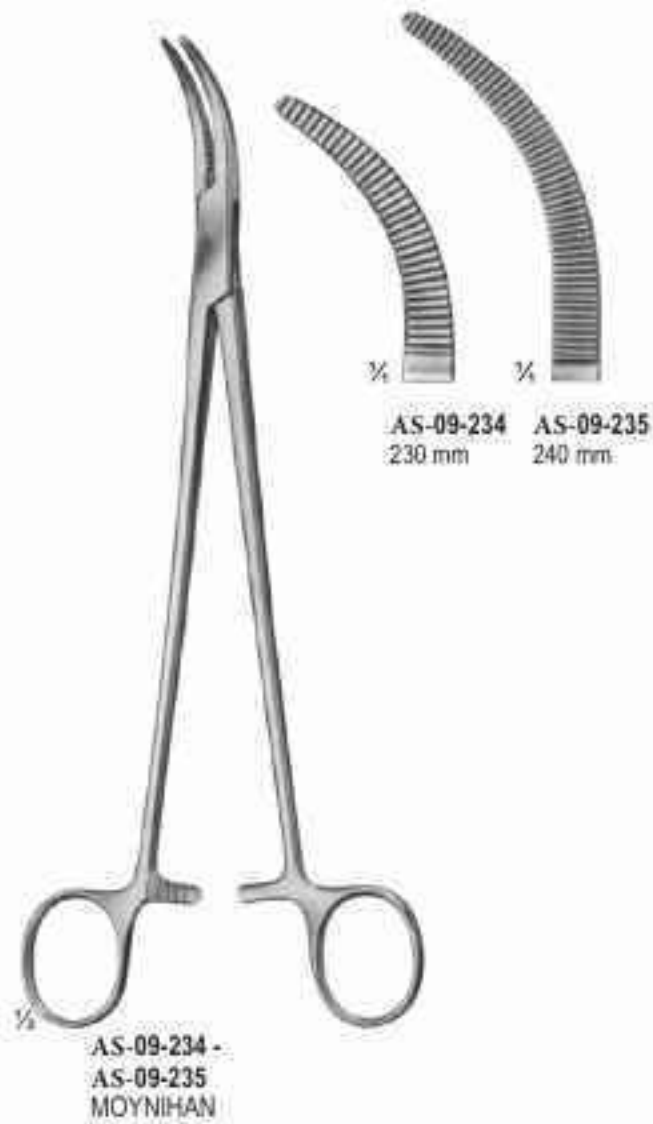


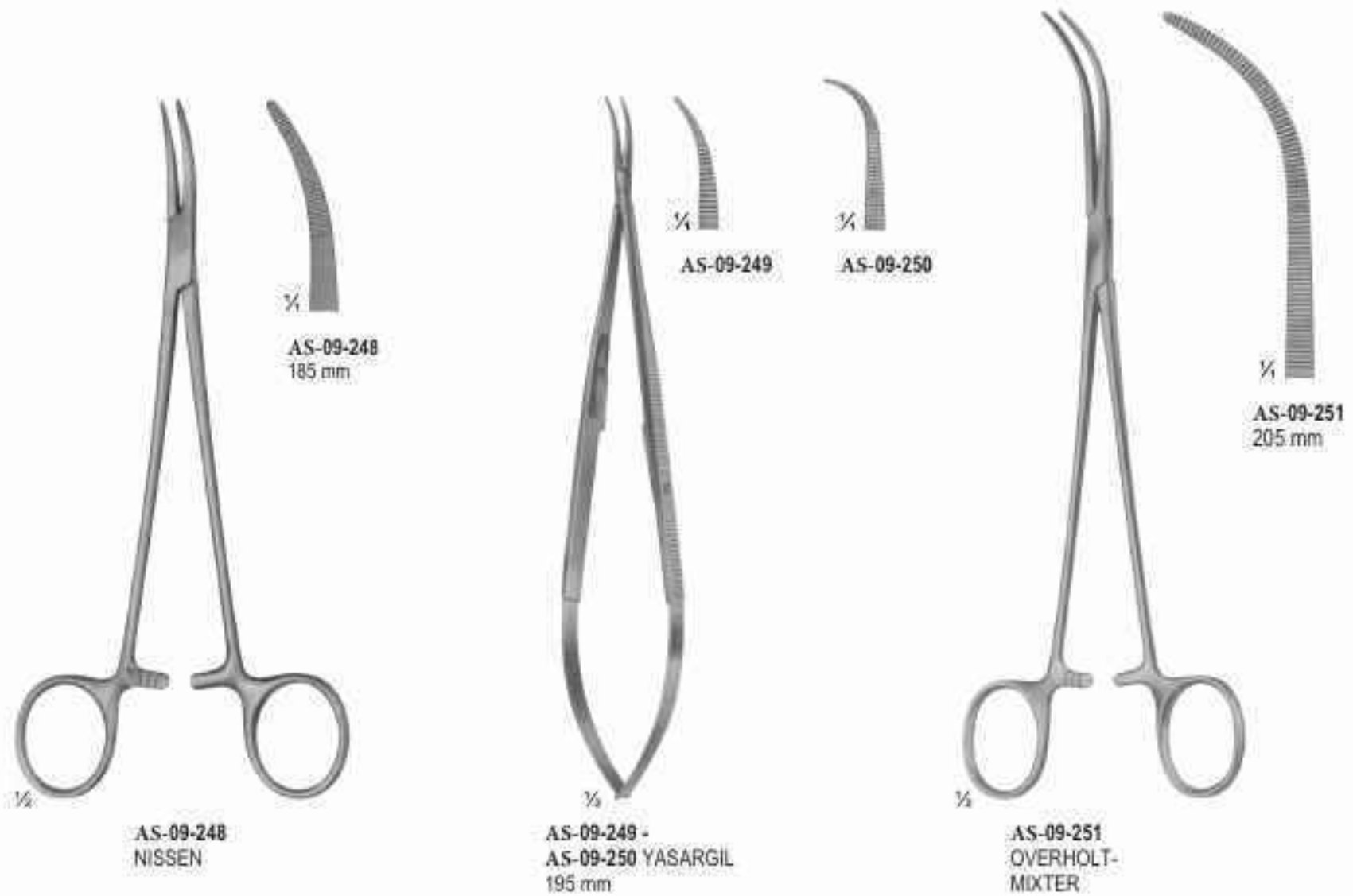
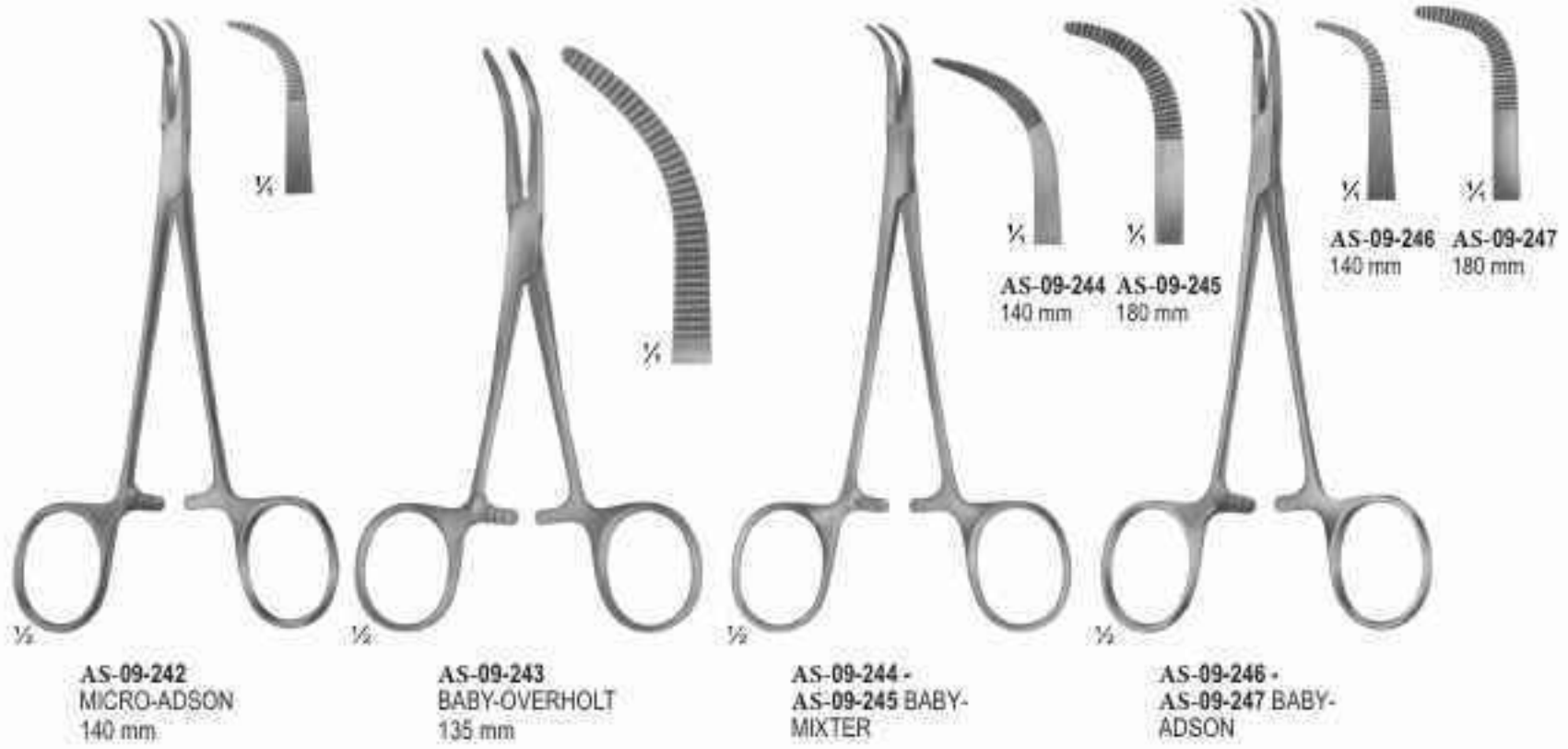
AS-09-218 - AS-09-223
KOCHER-OCHSNER (STR)

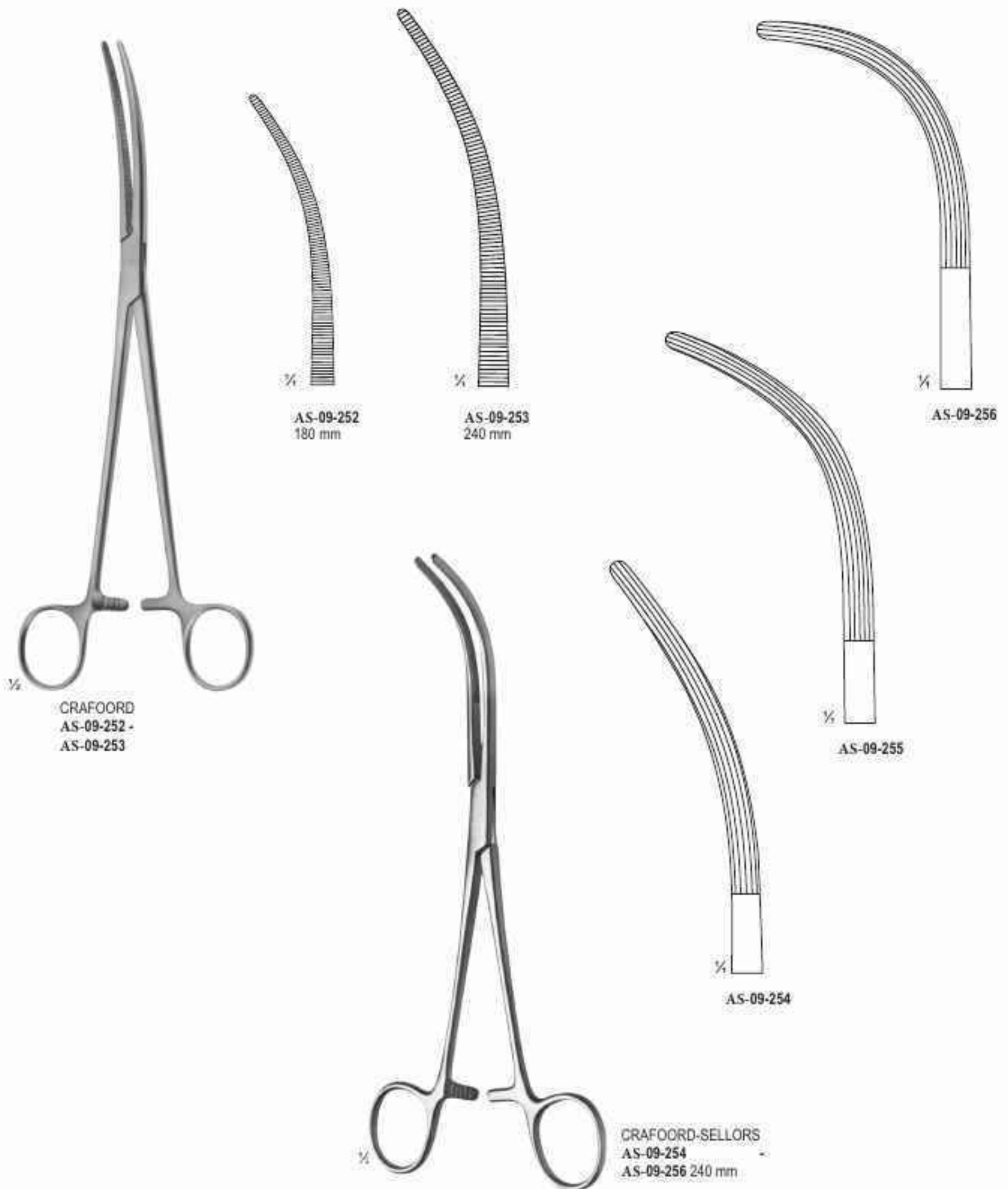


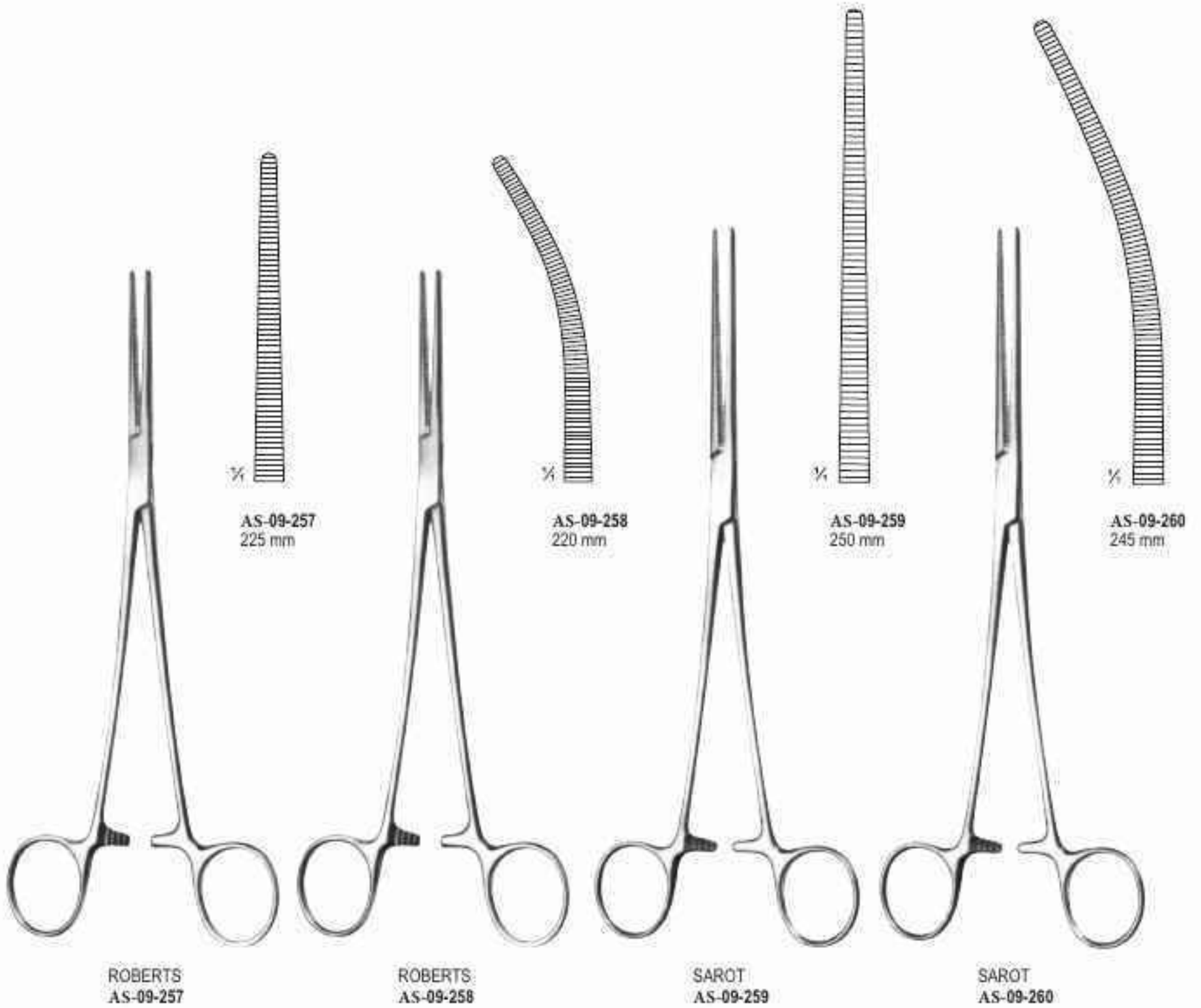
AS-09-224 - AS-09-229
KOCHER-OCHSNER (CVD)

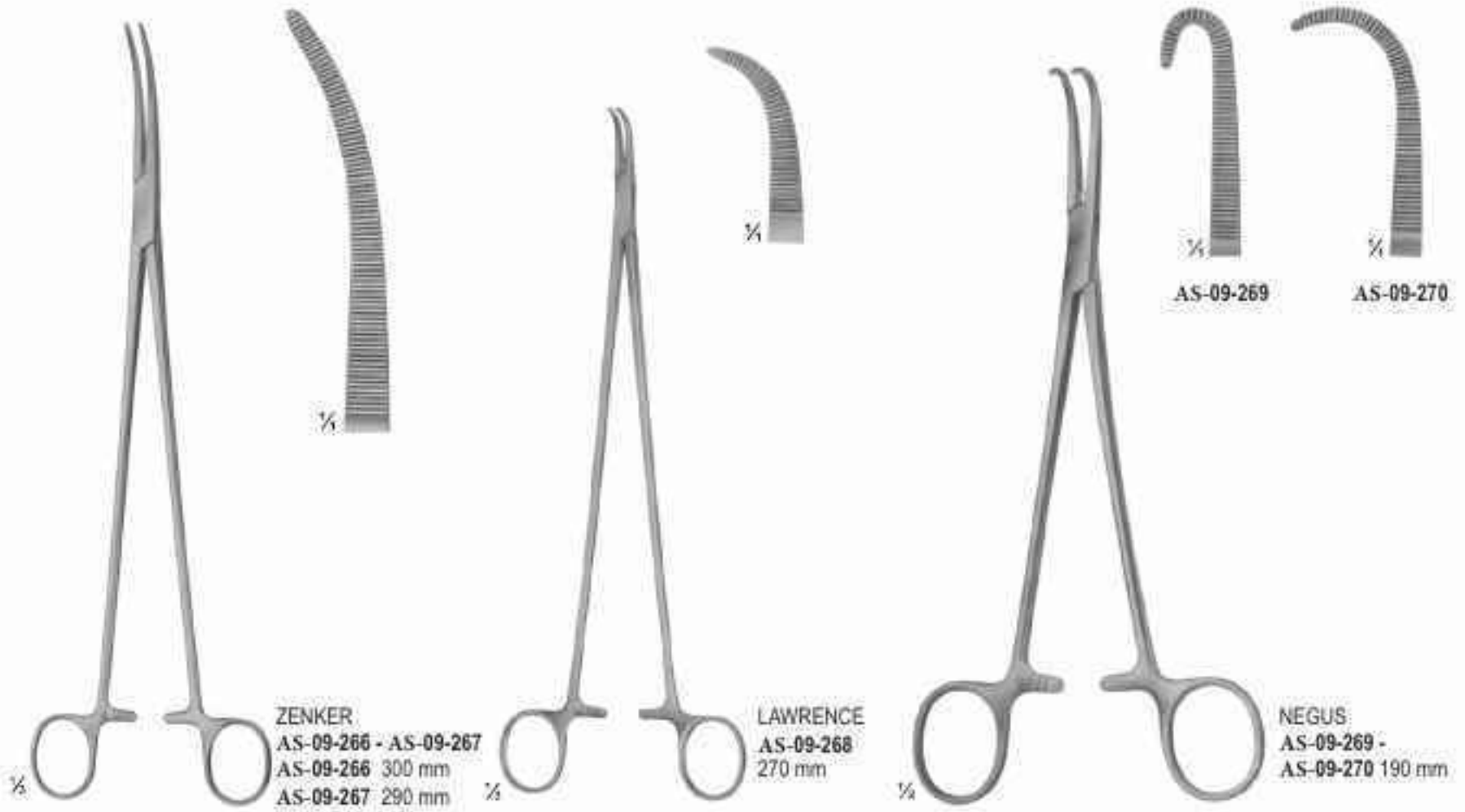






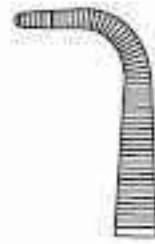








MEEKER
AS-09-271
280 mm



KELLY
AS-09-272 •
AS-09-280



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



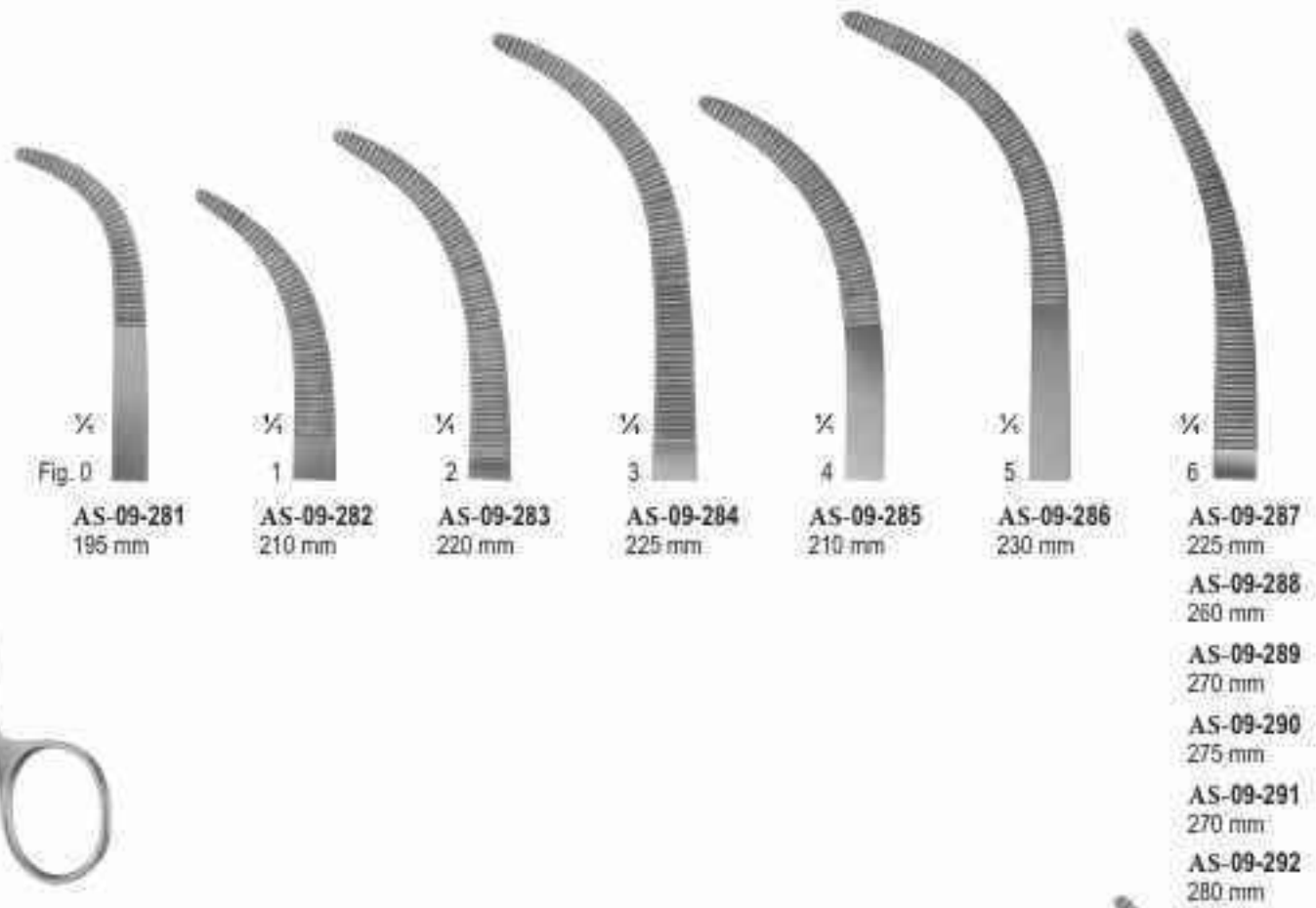
Fig. 3
AS-09-279
215 mm



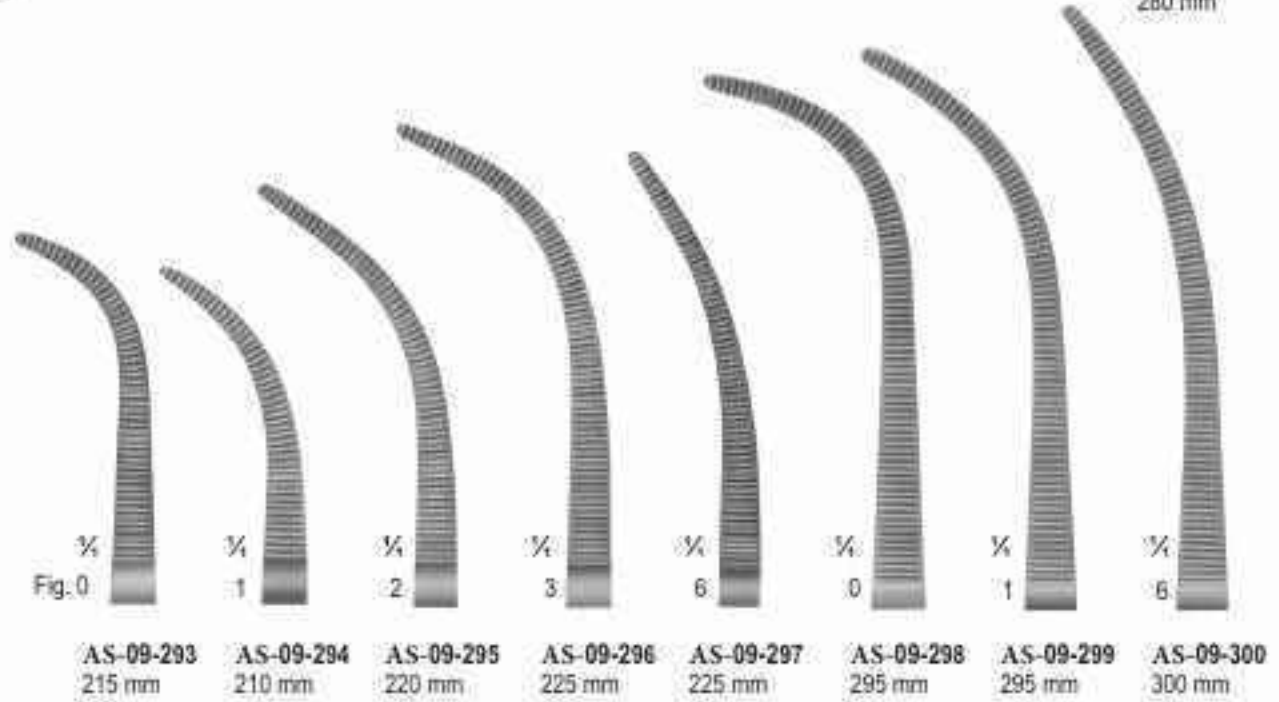
Fig. 3
AS-09-280
235 mm



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



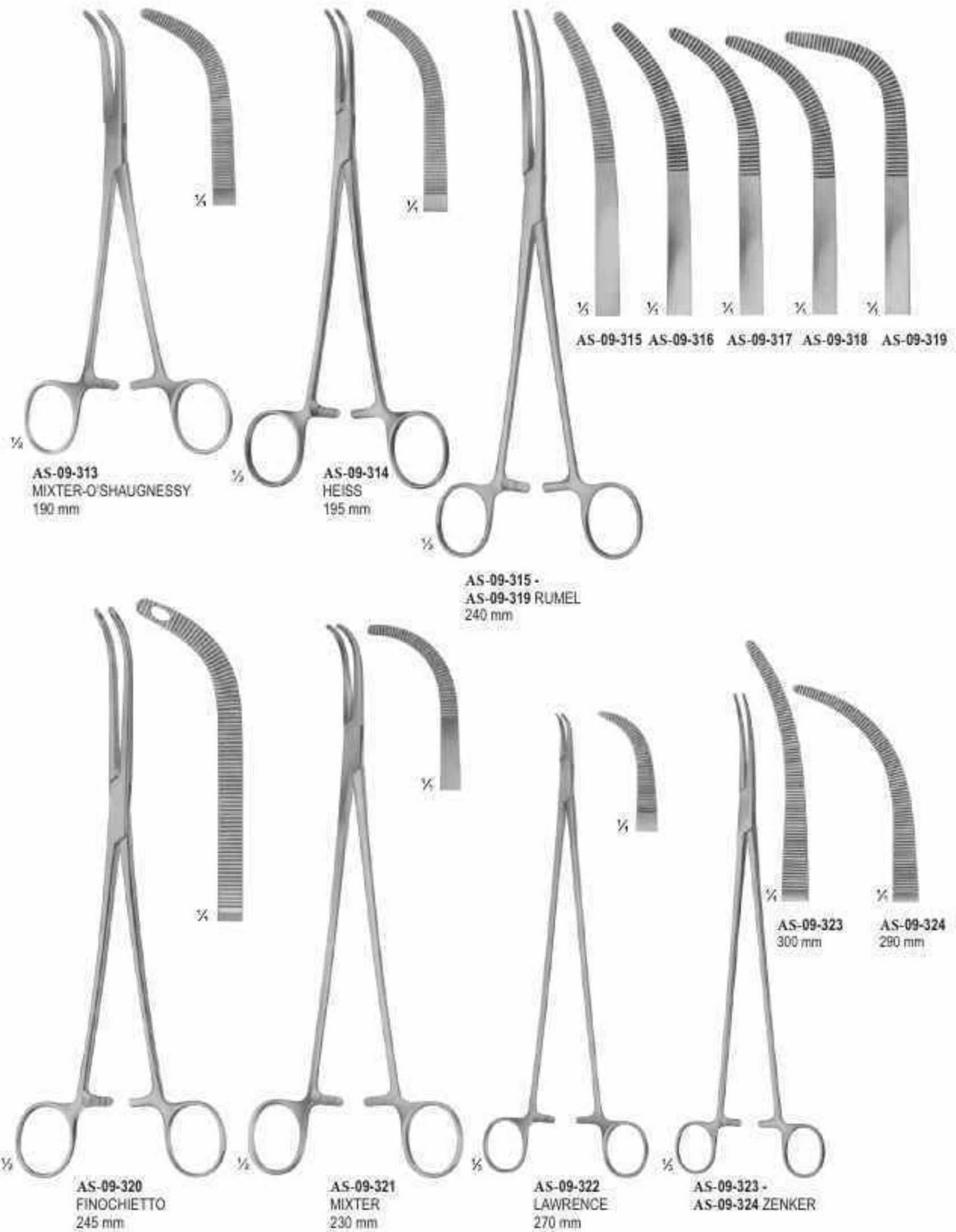
AS-09-310
230 mm

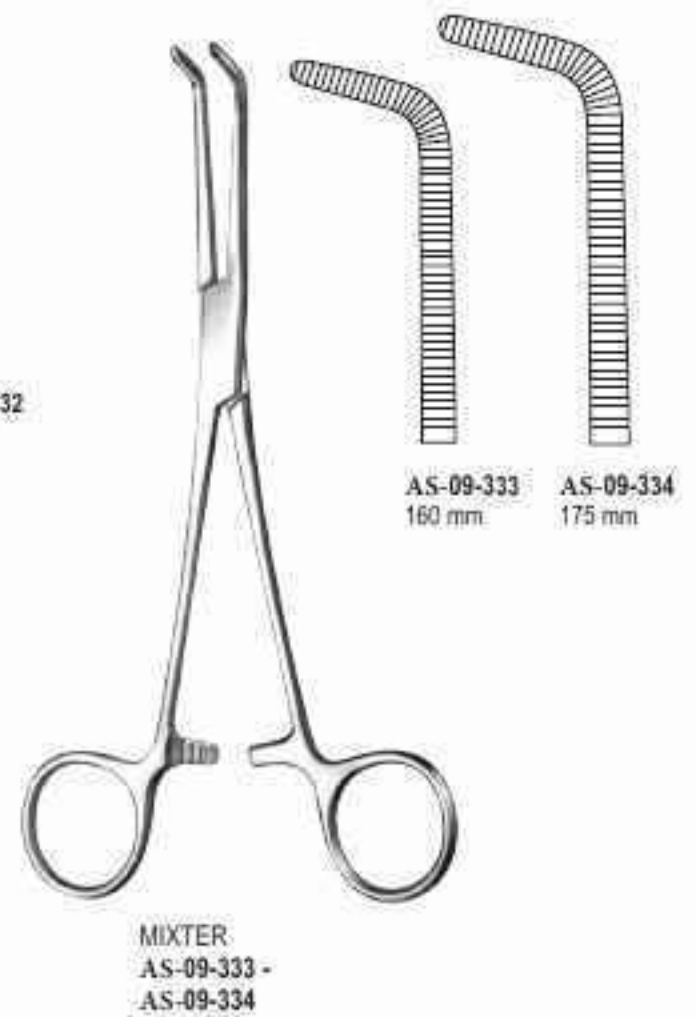
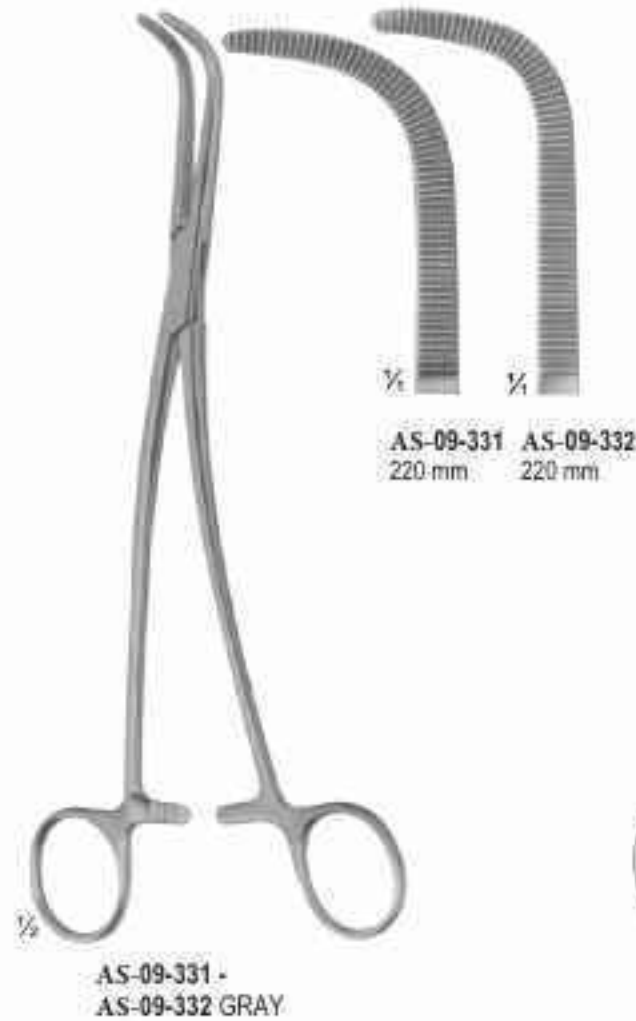
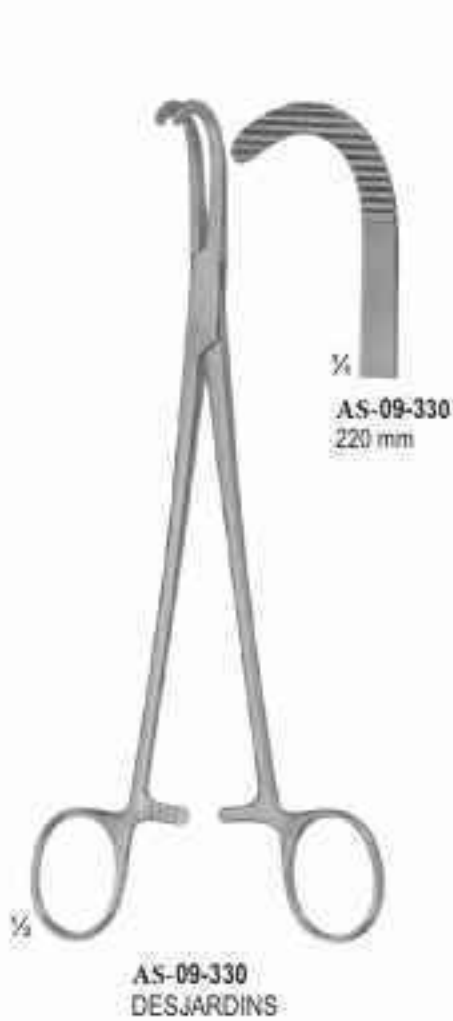


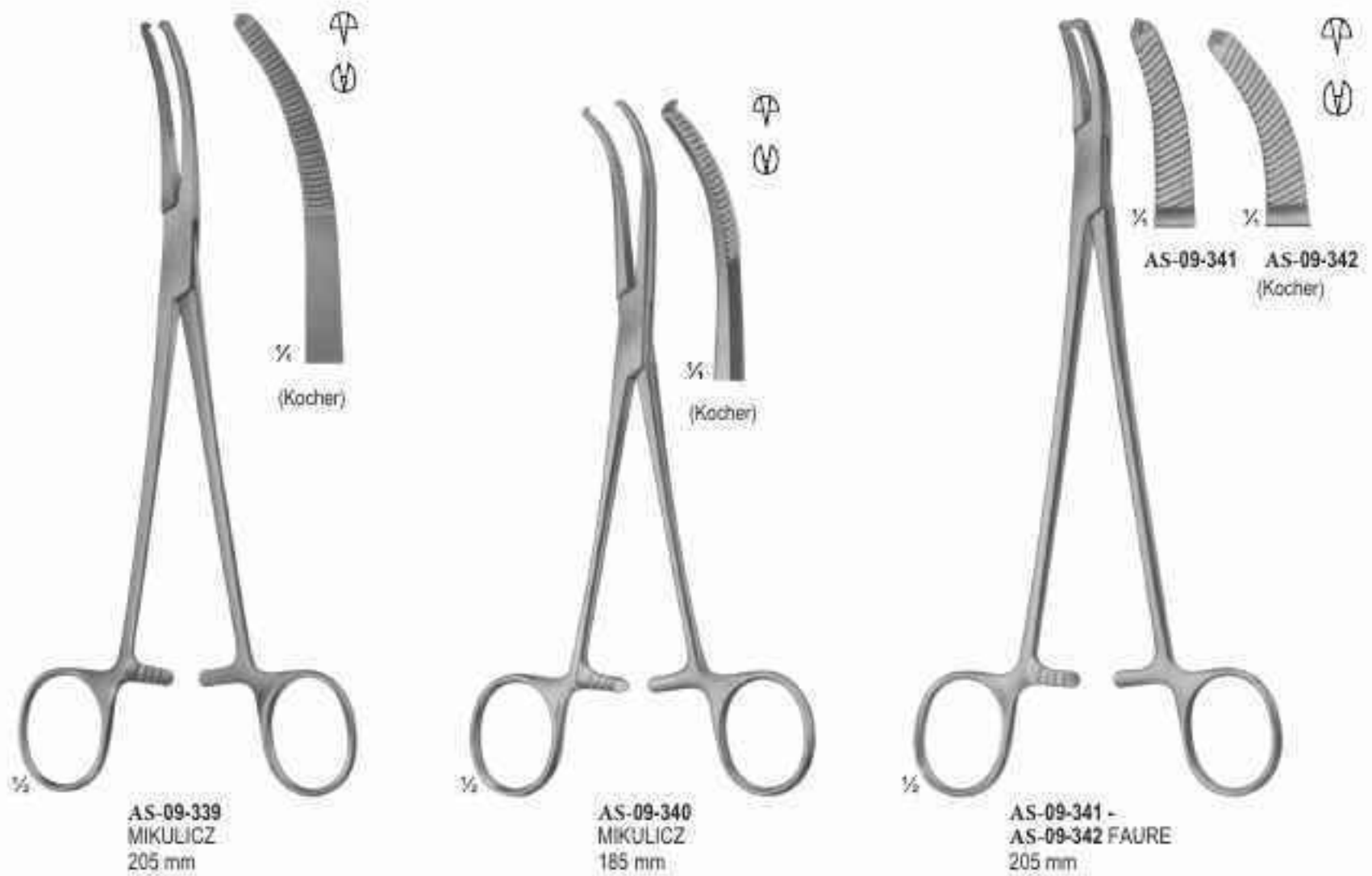
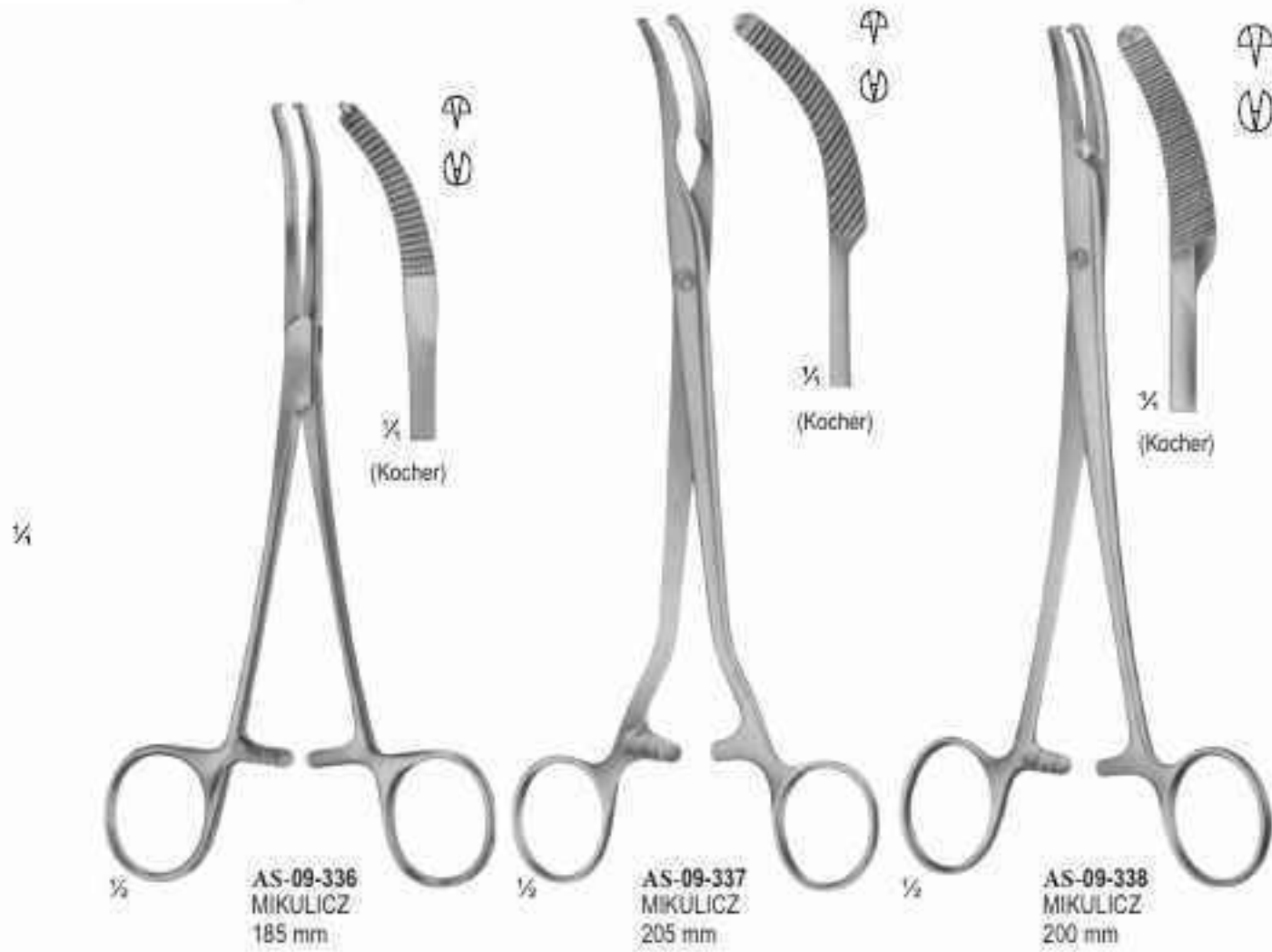
AS-09-311
250 mm



AS-09-312
280 mm

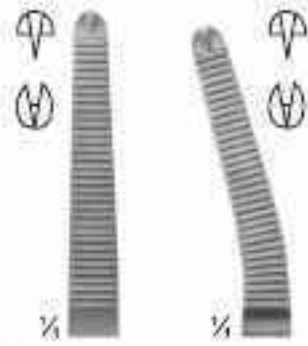








AS-09-343 -
AS-09-344 PHANEUF



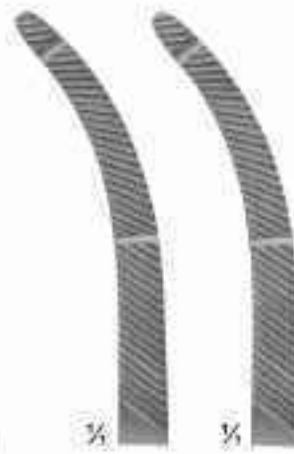
AS-09-343
210 mm
(Kocher)



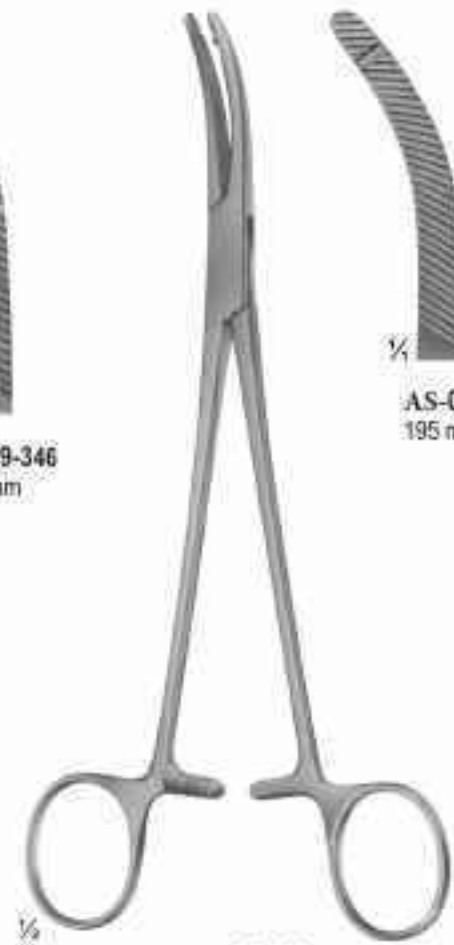
AS-09-344
205 mm
(Kocher)



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



AS-09-345 AS-09-346
205 mm 245 mm



AS-09-347
HEANEY



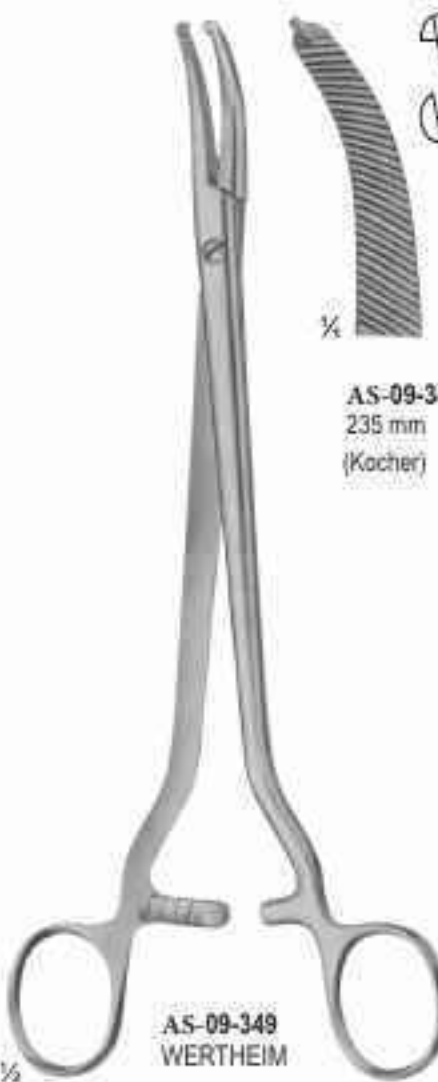
AS-09-347
195 mm



AS-09-348
WERTHEIM



AS-09-348
235 mm
(Kocher)



AS-09-349
WERTHEIM



AS-09-349
235 mm
(Kocher)



AS-09-350
WERTHEIM



AS-09-350
245 mm
(Kocher)



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

AS-09-355 -
AS-09-358
WERTHEIM
Parametrium clamps



AS-09-359
WERTHEIM
Hysterectomy Forceps
255 mm



1/4



AS-09-360
WERTHEIM
Parametrium Clamp
260 mm



1/4



AS-09-361 -
AS-09-363 DICK



1/4

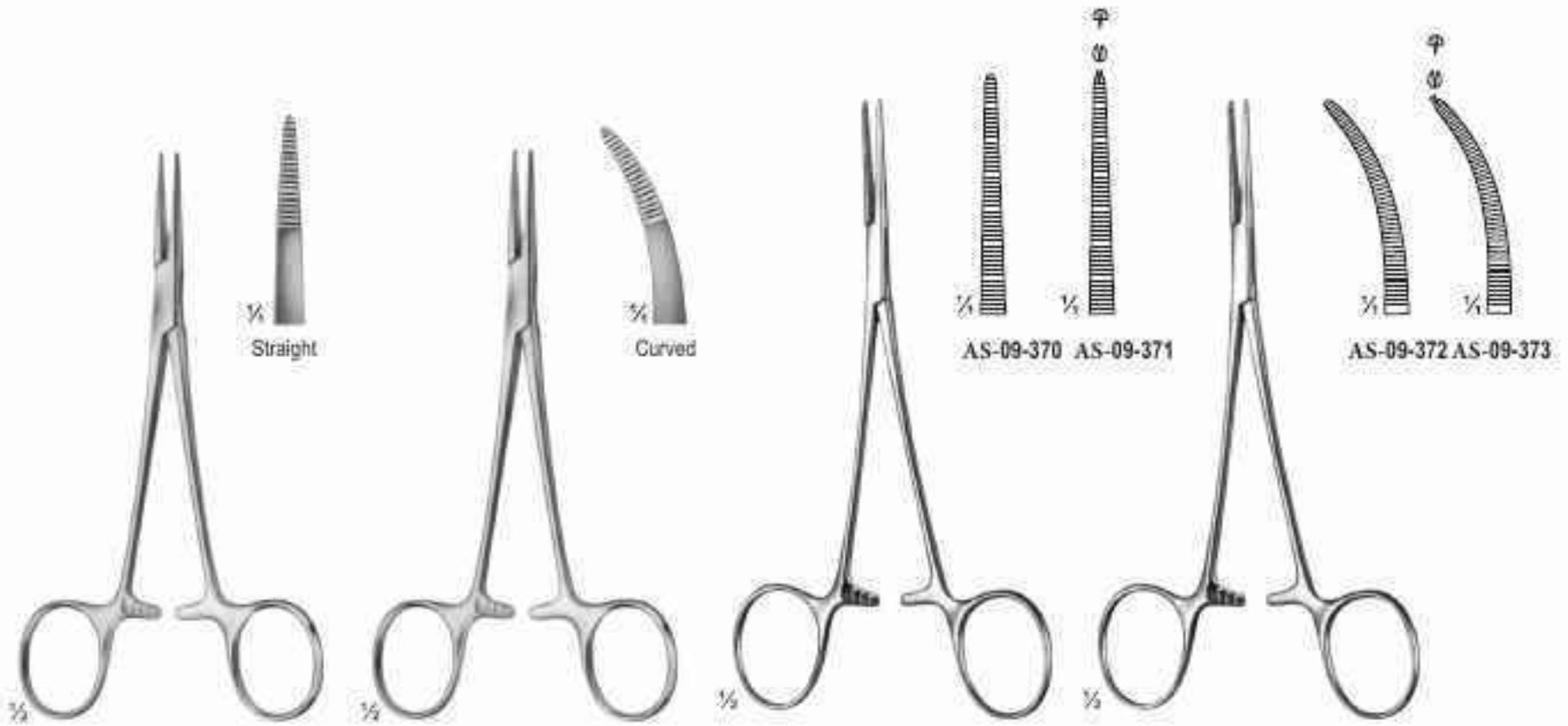
AS-09-361
255 mm

AS-09-362
265 mm

AS-09-363
275 mm



FORCEPS

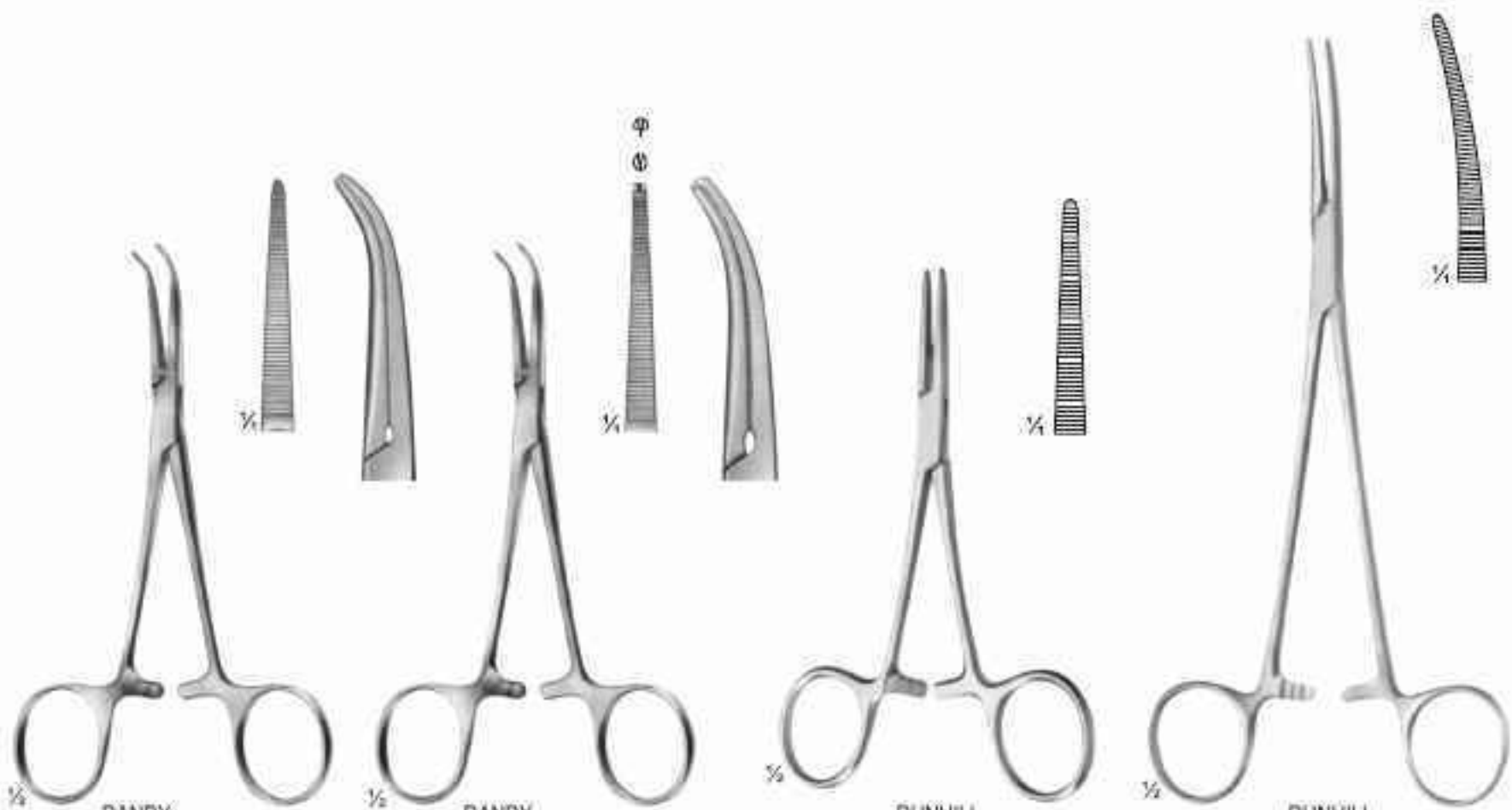


PROVIDENCE-HOSPITAL
AS-09-368
140 mm

PROVIDENCE-HOSPITAL
AS-09-369
140 mm

LERICHE
AS-09-370 155 mm
AS-09-371 150 mm

LERICHE
AS-09-372 155 mm
AS-09-373 150 mm

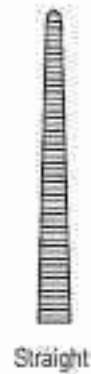


DANDY
AS-09-374 120 mm
AS-09-375 140 mm

DANDY
AS-09-376 120 mm
AS-09-377 140 mm

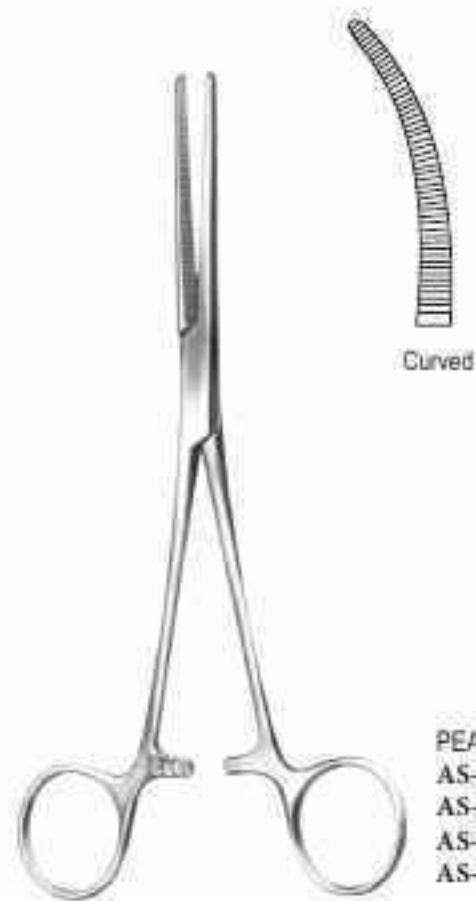
DUNHILL
AS-09-378
125 mm

DUNHILL
AS-09-379
185 mm



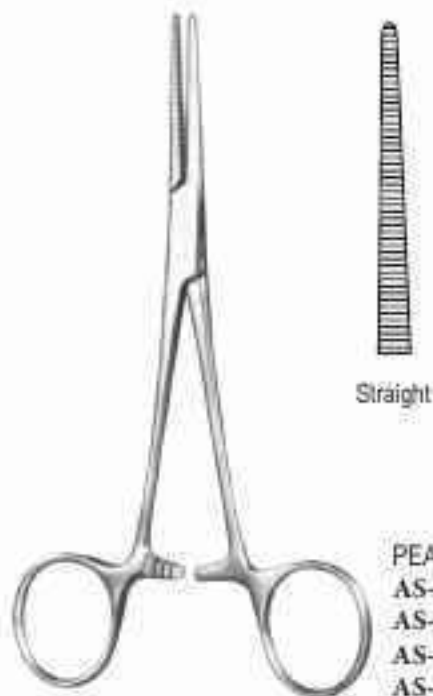
Straight

PEAN
AS-09-380 - AS-09-382
AS-09-380 130 mm
AS-09-381 140 mm
AS-09-382 170 mm



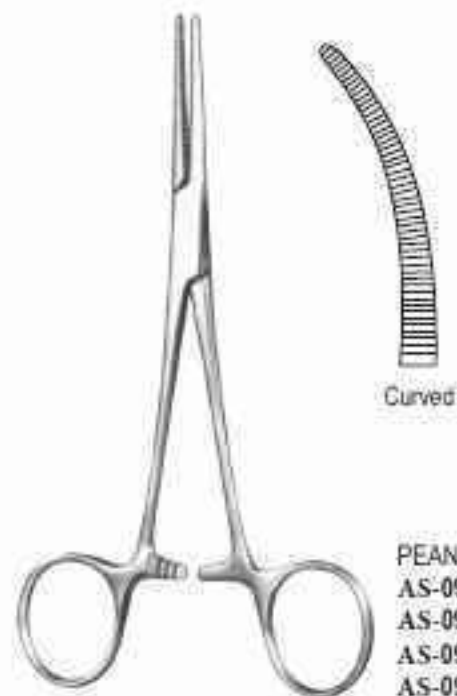
Curved

PEAN
AS-09-383 - AS-09-385
AS-09-383 130 mm
AS-09-384 140 mm
AS-09-385 170 mm



Straight

PEAN-Delicate
AS-09-386 - AS-09-388
AS-09-386 140 mm
AS-09-387 160 mm
AS-09-388 180 mm



Curved

PEAN-Delicate
AS-09-389 - AS-09-391
AS-09-389 140 mm
AS-09-390 160 mm
AS-09-391 180 mm



FINOCHIETTO
AS-09-392
245 mm



FINOCHIETTO
AS-09-393
245 mm



LAHEY (SWEET)
AS-09-34 190 mm
AS-09-395 230 mm



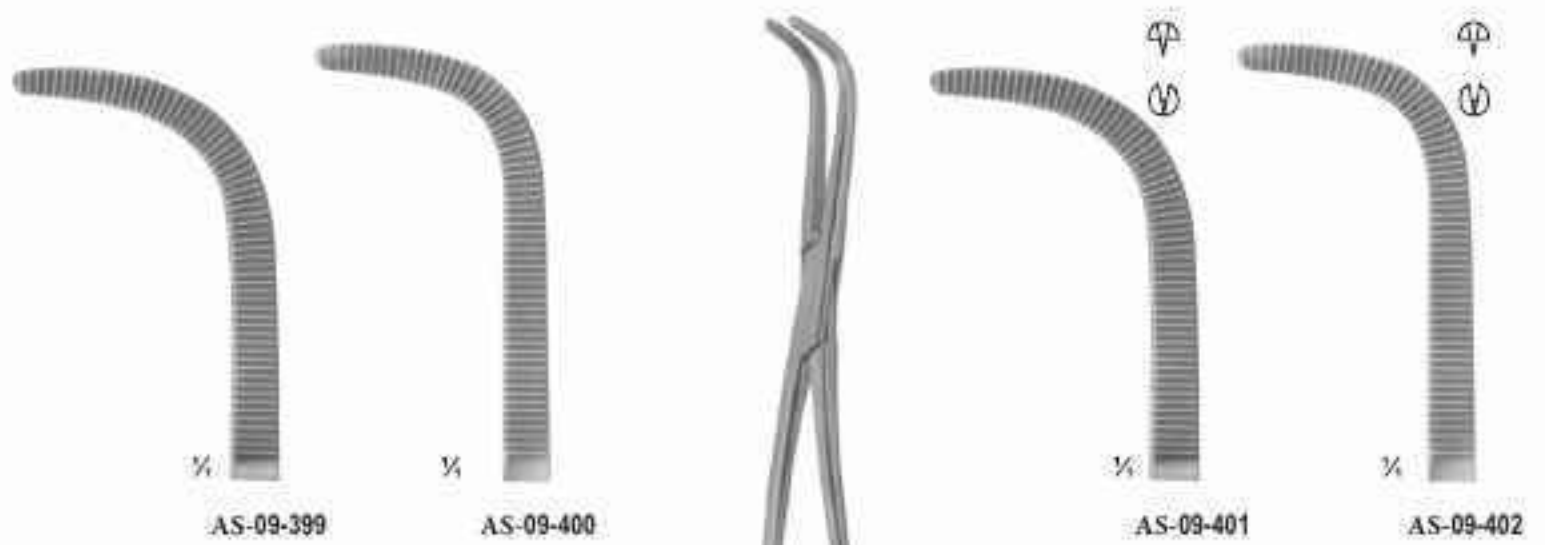
DESJARDINS
AS-09-396
210 mm



LOWER
AS-09-397
180 mm



NISSEN
AS-09-398
180 mm



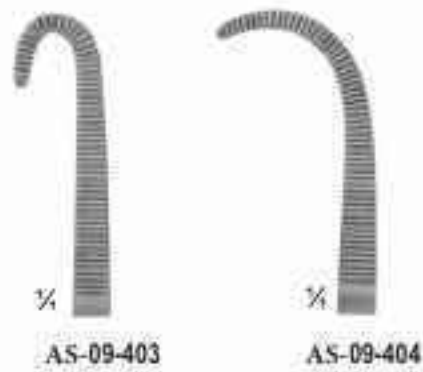
GRAY
AS-09-399 -
AS-09-300 220 mm



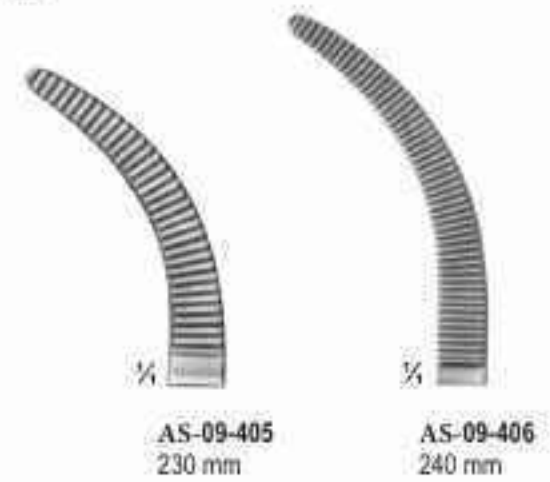
GRAY
AS-09-401 -
AS-09-402 220 mm

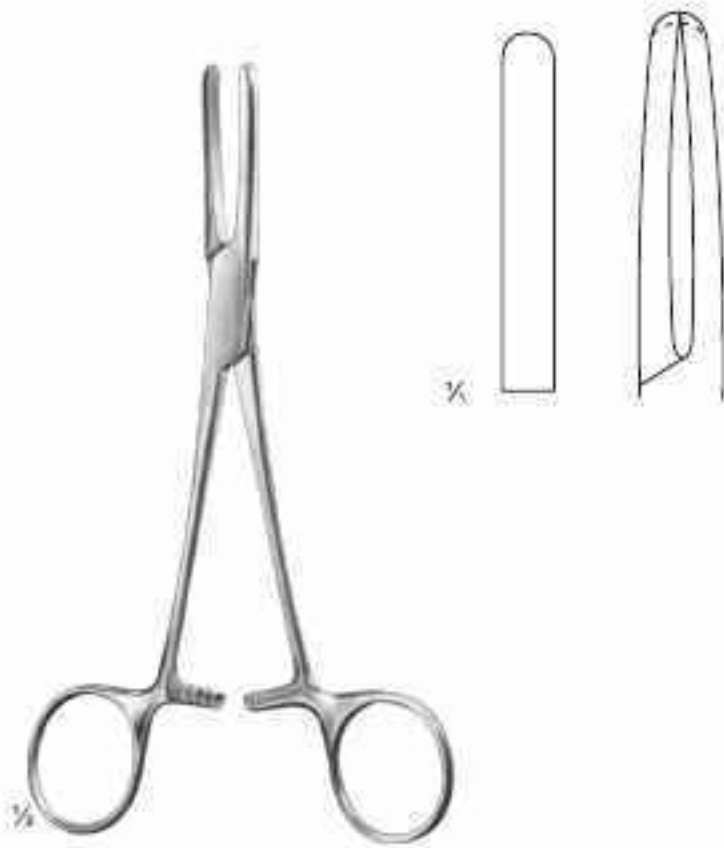


NEGUS
AS-09-403 -
AS-09-404 190
mm



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

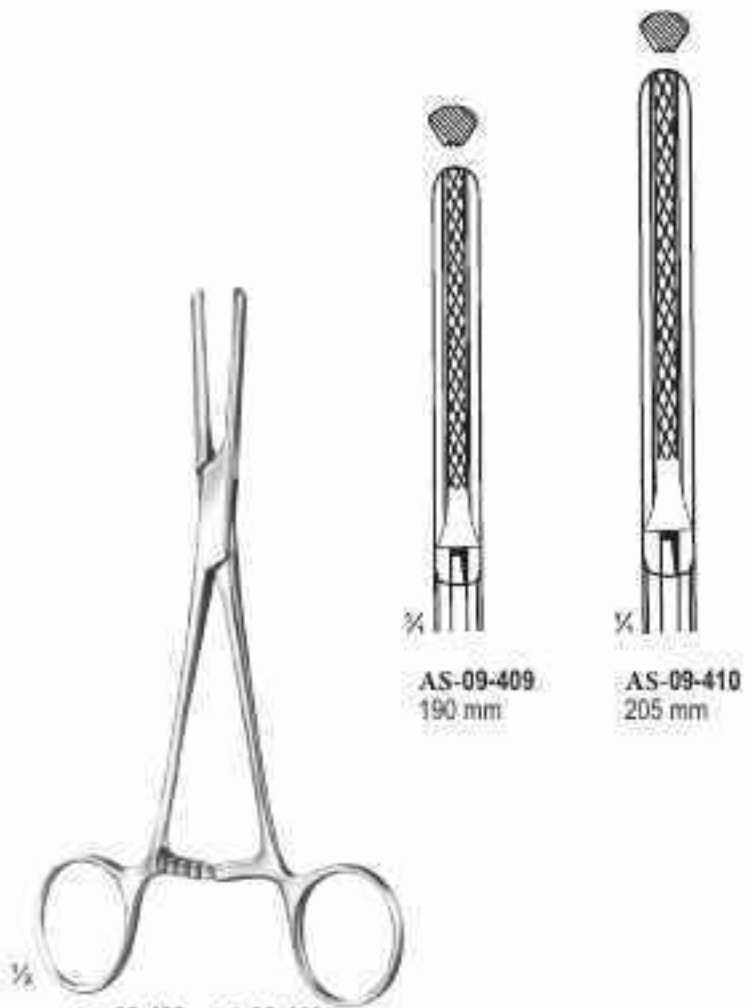




AS-09-407
16.5 cm



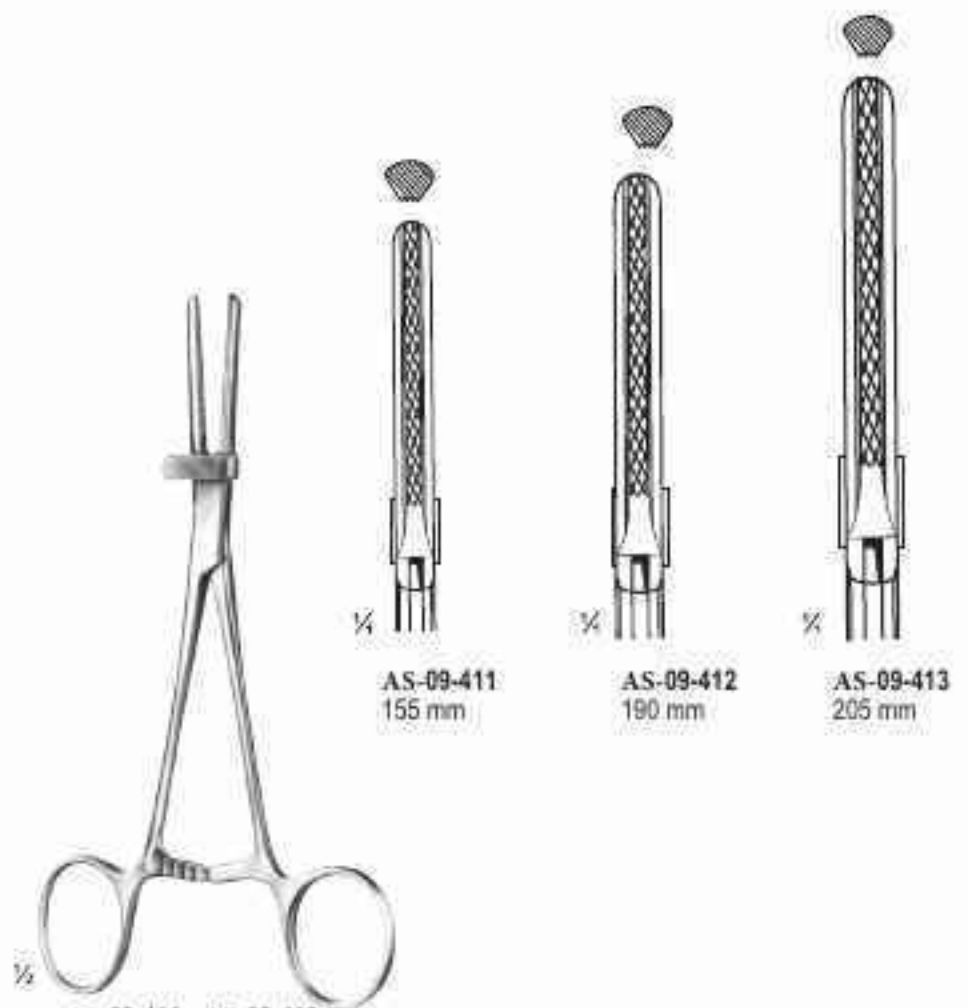
AS-09-408
14 cm



AS-09-409
190 mm

AS-09-410
205 mm

AS-09-409 - AS-09-410

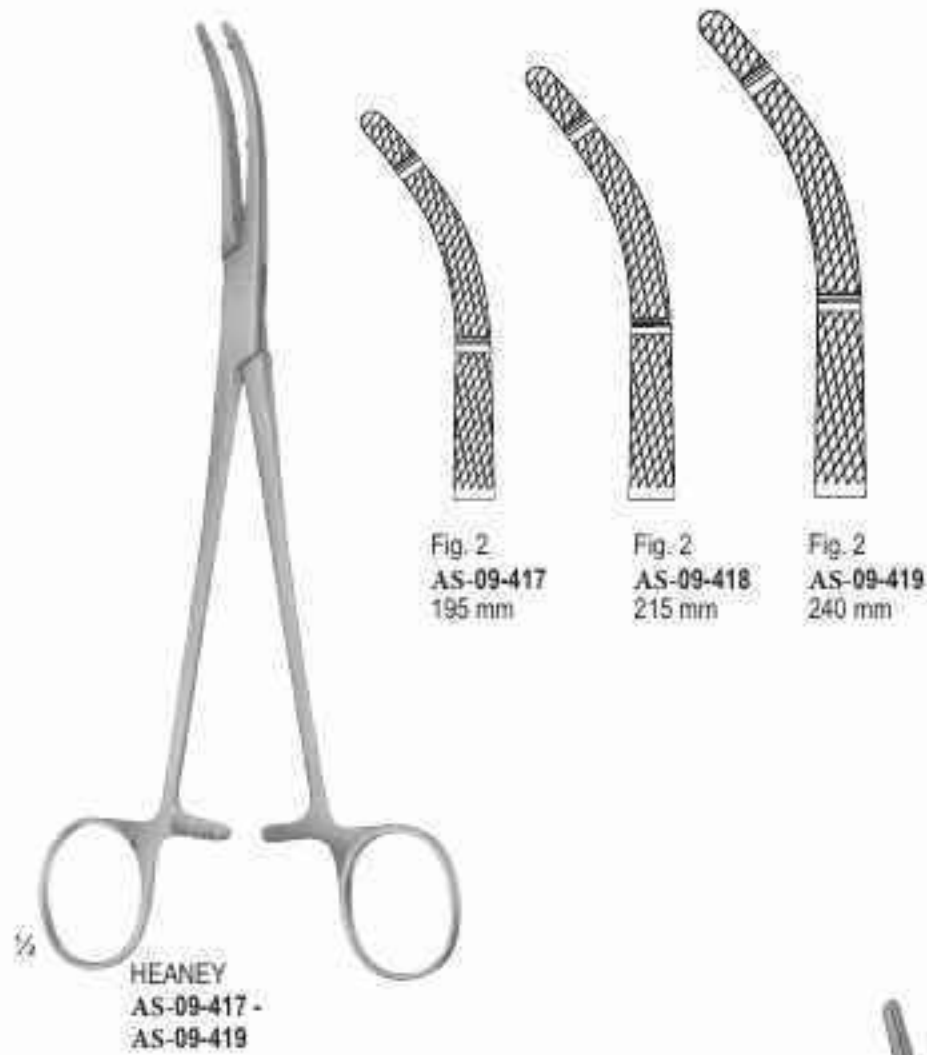


AS-09-411
155 mm

AS-09-412
190 mm

AS-09-413
205 mm

AS-09-411 - AS-09-413



Page
186–222

▪ ENT Surgery



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

					
AS-10-101 Fig.1 5.5 X 6.5 mm. Ø	AS-10-102 Fig.2 6.5 X 7.5 mm Ø	AS-10-103 Fig.3 7.5 X 8.5 mm Ø	AS-10-104 Fig.4 8.5 X 9.5 mm Ø	AS-10-105 Fig.5 9.5 X 10.5 mm. Ø	AS-10-106 Fig.6 10.5 X 11.5 mm. Ø



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

			
AS-10-107 Fig.1 2 mm Ø	AS-10-108 Fig.2 3 mm Ø	AS-10-109 Fig.3 4 mm Ø	AS-10-110 Fig.4 5 mm Ø



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

		
AS-10-111 Fig.0 3.0 mm Ø	AS-10-112 Fig.1 4.5 mm Ø	AS-10-113 Fig.2 5.5 mm Ø



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

			
AS-10-114 Fig.1 4.5 mm Ø	AS-10-115 Fig.2 5.5 mm Ø	AS-10-116 Fig.3 6.5 mm Ø	AS-10-117 Fig.4 7.5 mm Ø



BUCK
AS-10-118 -
AS-10-133 Blunt
Sharp
165 mm - 6 1/2"



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 - 6 1/2"



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-10-1
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"



1:2

BILLEAU
AS-10-155 - AS-10-157
165 mm - 6 1/2"



1:1

AS-10-155



1:1

AS-10-156



1:1

AS-10-157



1:2

LUCAE
AS-10-158 -
AS-10-160 140 mm -
5 1/2"



1:1

AS-10-158



1:1

AS-10-159



1:1

AS-10-160



1:2

WAGENER
AS-10-161
AS-10-167 140 mm -
5 1/2"



1:1

AS-10-161



1:1

AS-10-162



1:1

AS-10-163



1:1

AS-10-164



1:1

AS-10-165



1:1

AS-10-166



1:1

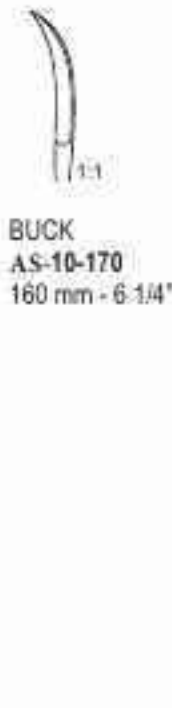
AS-10-167



POLITZER
AS-10-168
150 mm - 6"



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



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



LUCAE
AS-10-171
180 mm - 7"



LUCAE
AS-10-172
180 mm - 7"



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



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



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



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



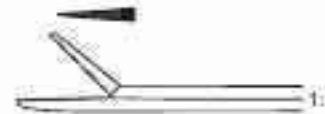
AS-10-177 - AS-10-184



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"



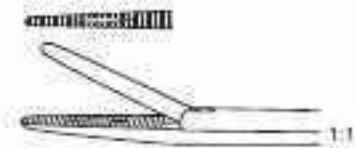
HARTMANN
AS-10-180
X = 85 mm - 3 1/4"
X = 140 mm - 5 1/2"



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



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



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



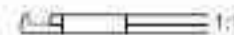
STRUEMPEL
AS-10-184
X = 85 mm - 3 1/4"



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



MC GEE
AS-10-1
Wire bending forceps
3.5 mm X 0.8 mm



AS-10-187
Up - cutting



AS-10-189
Right - cutting



FULLER
AS-10-1
Introducing forceps
for teflon prosthesis
80 mm - 3 1/4"



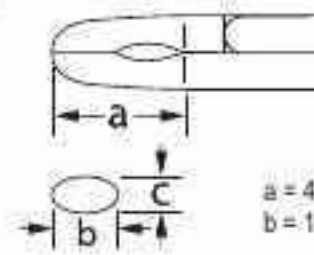
AS-10-188
Down - cutting



AS-10-190
Left - cutting



AS-10-191 - AS-10-195



a = 4.0 mm
b = 1.0 mm x c = 0.9 mm



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



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



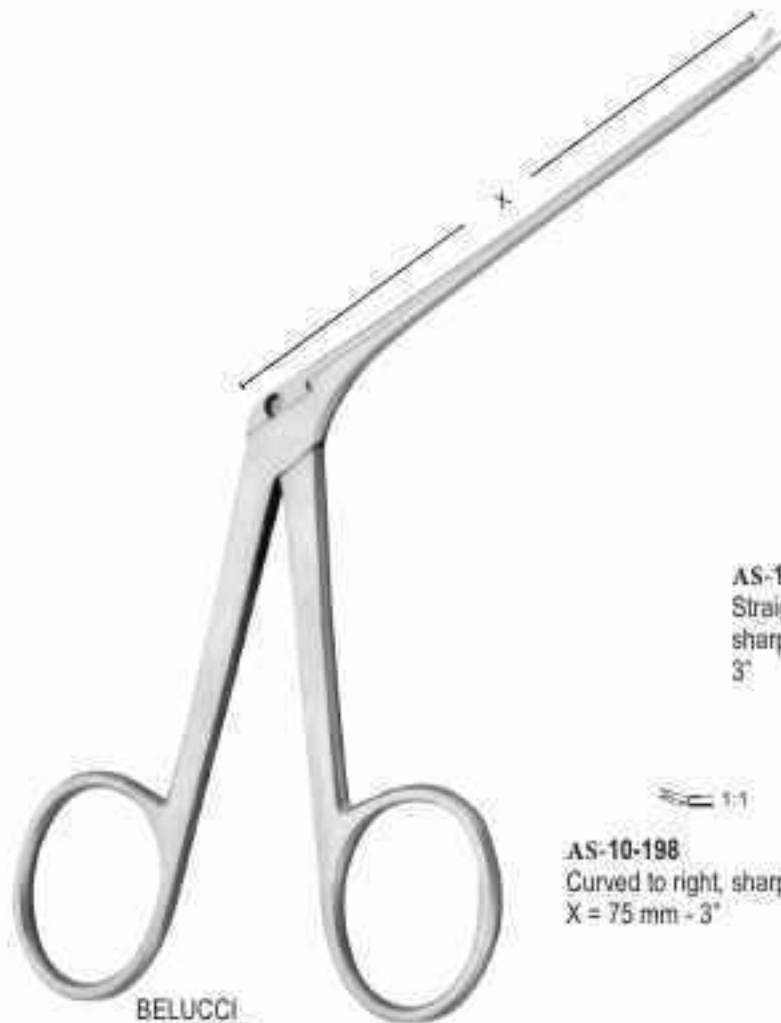
AS-10-193
Curved to left, oval
X = 75 mm - 3"



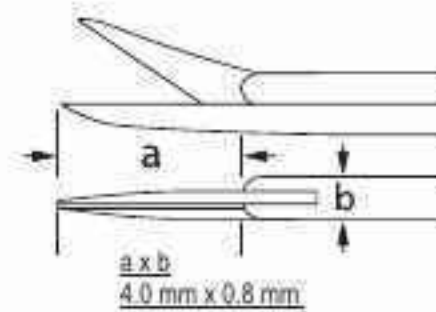
AS-10-194 Curved
to right, oval X = 75
mm - 3"



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



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



a x b
4.0 mm x 0.8 mm



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"



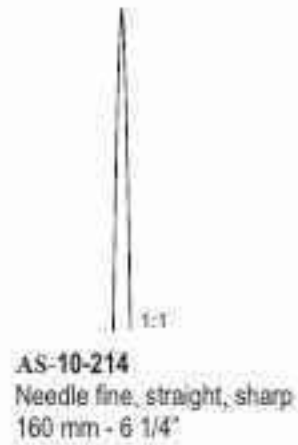
AS-10-199
Curved to left, sharp/sharp
X = 75 mm - 3"



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

AND PROBES CULAR CUTTING KNIFE







HOUSE
AS-10-2
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



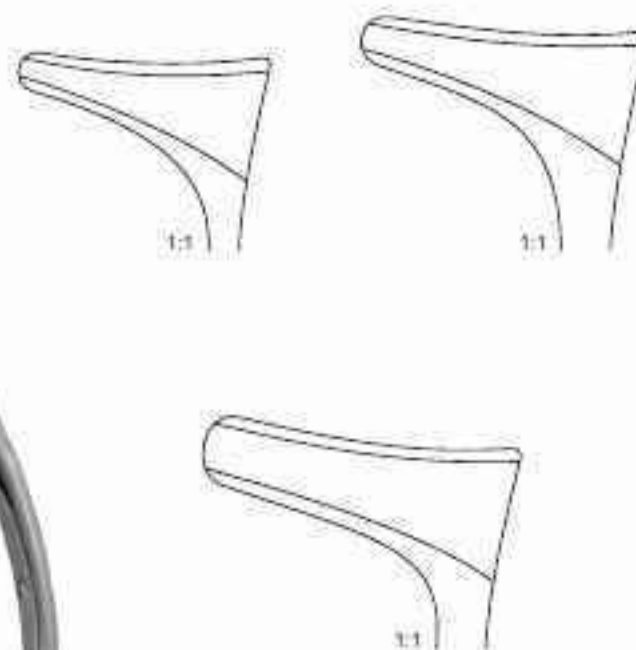
TIECK - HALLE
AS-10-234
for babies
135 mm - 5 1/4"



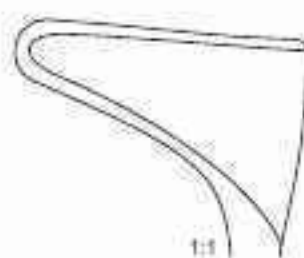
BECKMANN
AS-10-235
150 mm - 6"



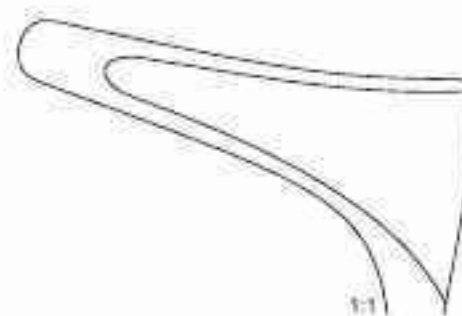
MOD. WIEN
AS-10-236
145 mm - 5 3/4"



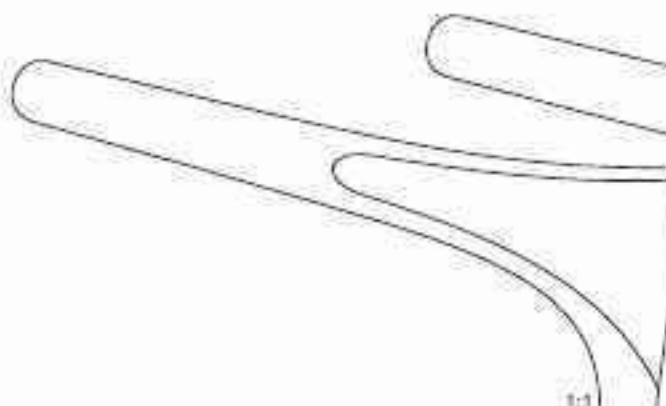
AS-10-237 -
AS-10-240 KILLIAN
130 mm - 5"



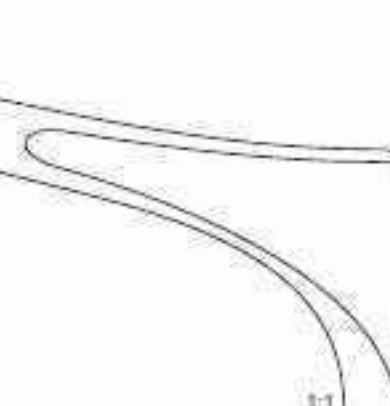
AS-10-237
X = 35 mm



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"

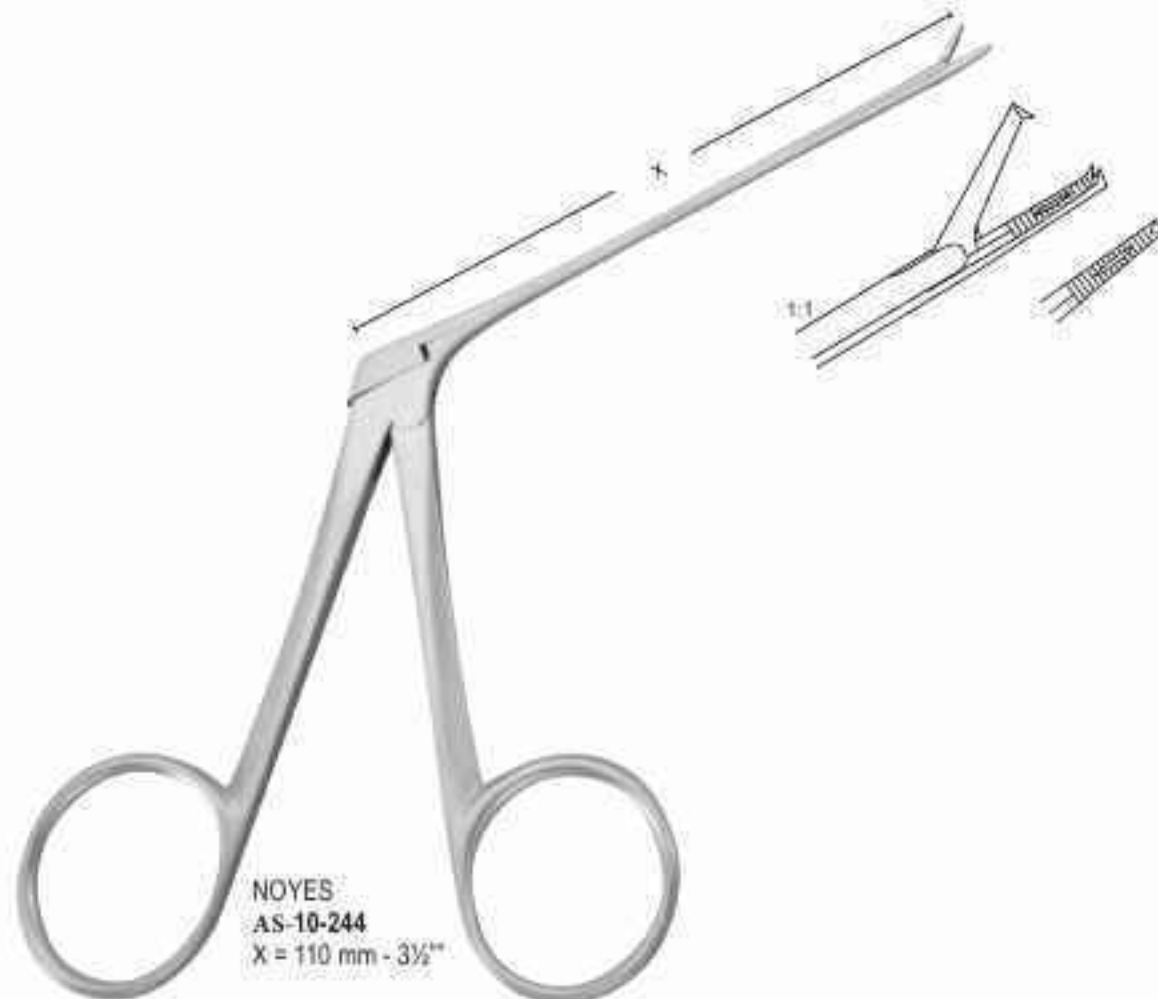


LUBET - BARBON
AS-10-242
200 mm - 8"

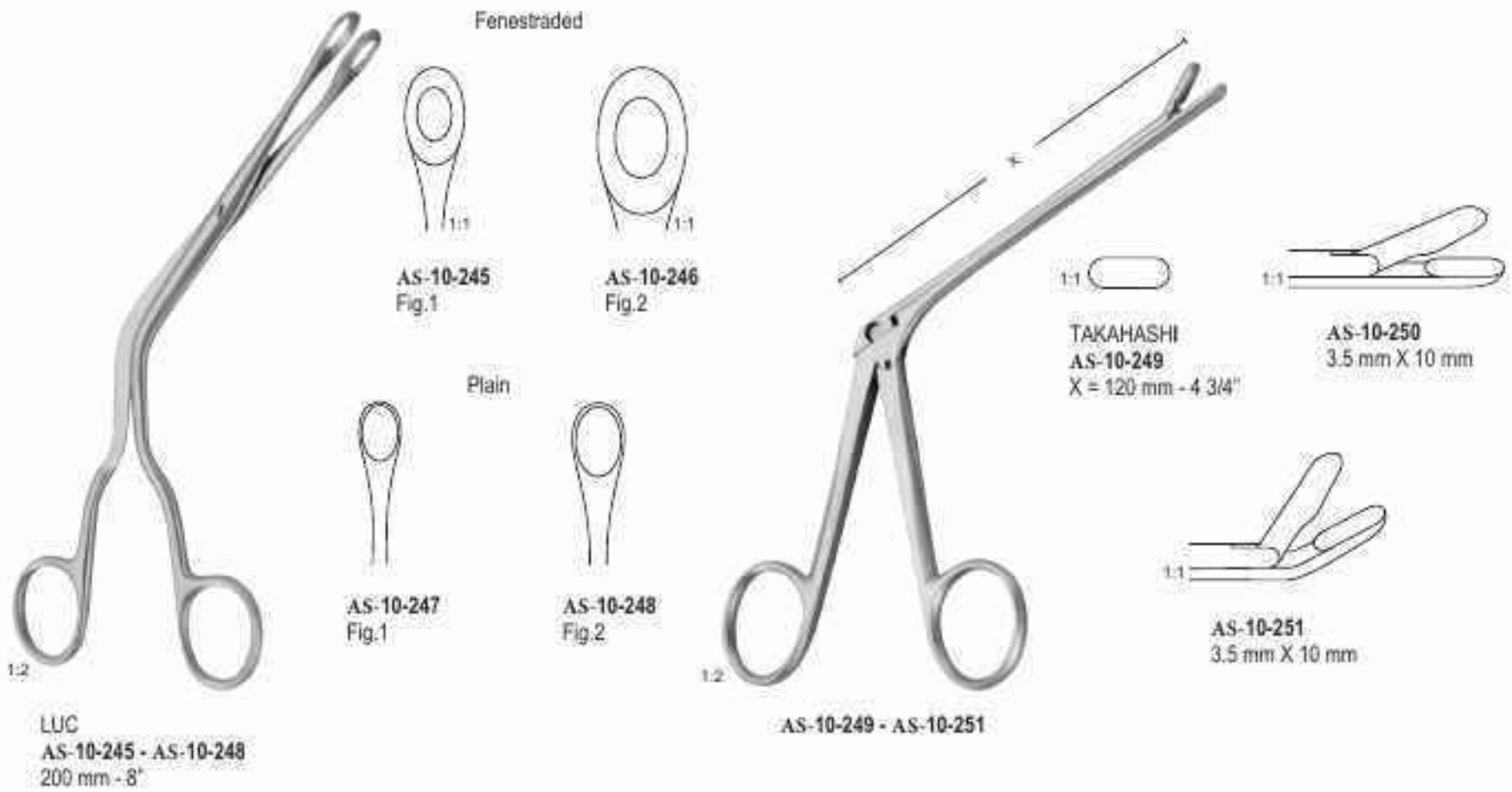


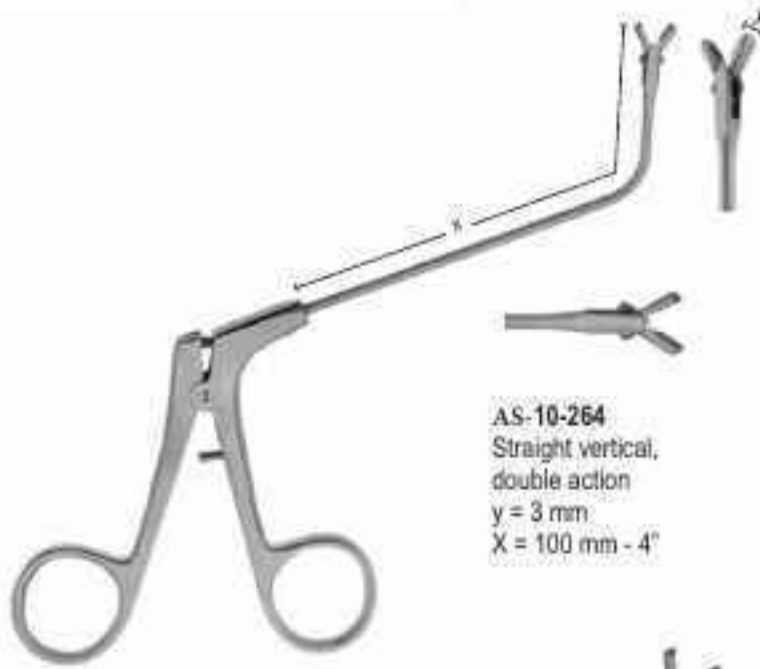
HARTMANN
AS-10-243
180 mm - 6 1/4"
200 mm - 8"

NASAL DRESSING FORCEPS



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





AS-10-264 - AS-10-270

AS-10-264
Straight vertical,
double action
y = 3 mm
X = 100 mm - 4"

AS-10-265
Straight, double action
y = 3 mm
X = 100 mm - 4"

AS-10-266
45° Vertical, double action
y = 3 mm
X = 100 mm - 4"

AS-10-267
45° double action
y = 3 mm
X = 100 mm - 4"



AS-10-268
70° vertical, double action
y = 3 mm
X = 100 mm - 4"



AS-10-269
70° double action
y = 3 mm
X = 100 mm - 4"



AS-10-270
110° double action
y = 3 mm
X = 100 mm - 4"

CIRCULAR FORCEPS AND ANTRUM PUNCH



AS-10-271
Straight curved upwards
X = 180 mm - 7"
3.5 mm $\varnothing$
4.5 mm $\varnothing$



AS-10-272
X = 100 mm
1.5 mm X 4.5 mm
Fig.1 backward, up-cutting
Fig.2 backward, cut to the right
Fig.2 backward, cut to the left



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



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



SICKLE KNIFE
AS-10-275
200 mm - 8"



BRUNINGS
AS-10-276
230 mm - 9"



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



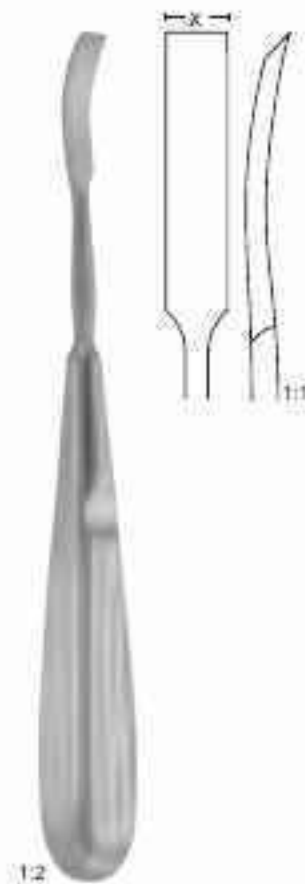
FISCHER
AS-10-278
230 mm - 9"



SHARP
AS-10-279
200 mm - 8"



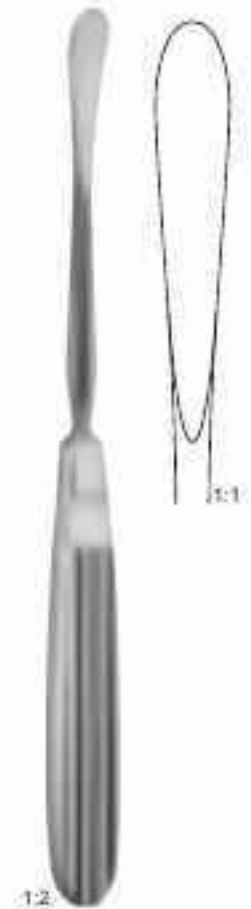
LEMPERT
AS-10-280
200 mm - 8"
X = 6 mm



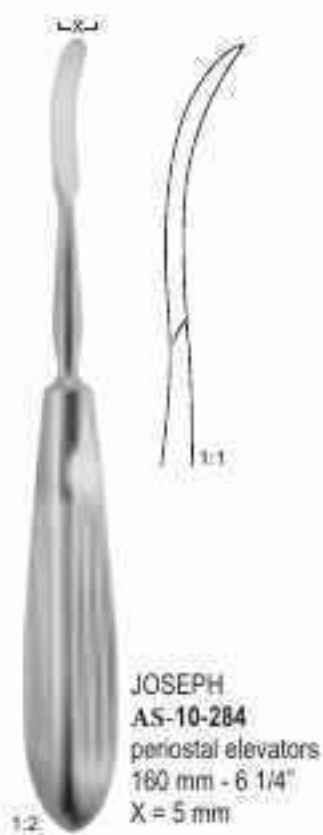
LEMPERT
AS-10-281
180 mm - 7"



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
180 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"



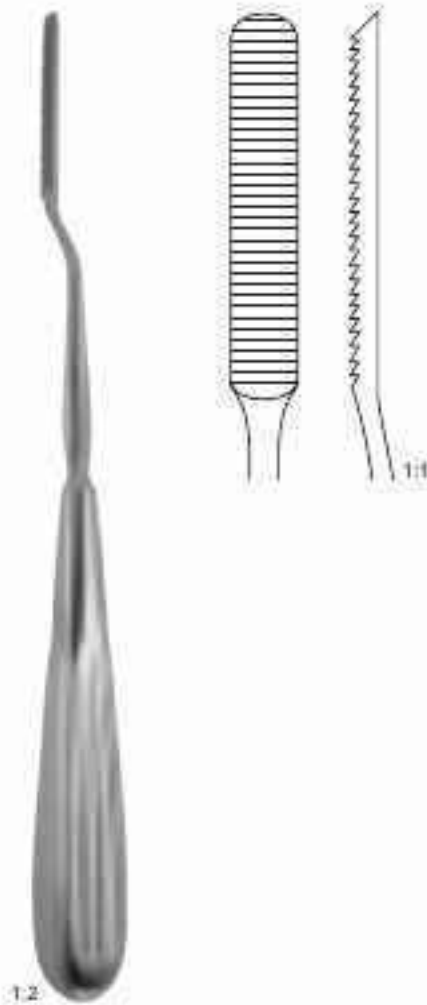
BALLENGER - HAJEK
AS-10-288
190 mm - 7 1/4"
220 mm - 8 3/4"



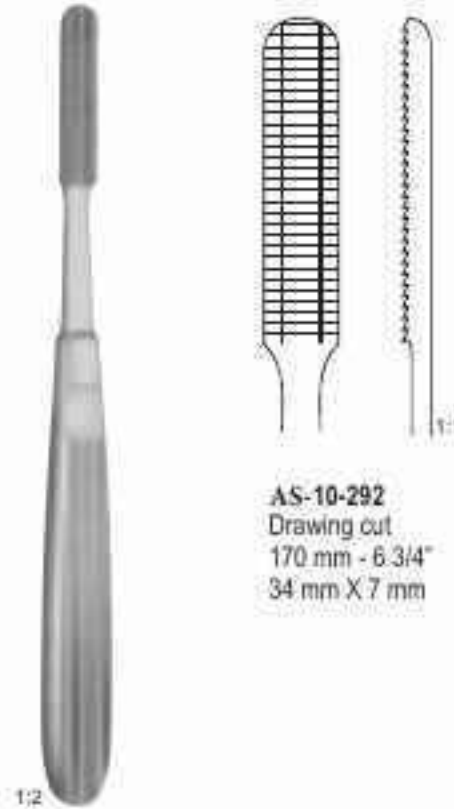
COTTLE
AS-10-289
220 mm - 8 3/4"



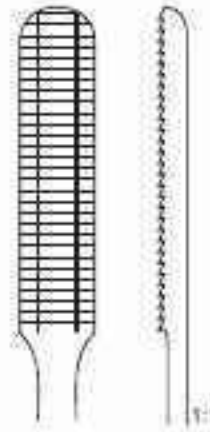
COTTLE
AS-10-290
210 mm - 8 1/4"



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



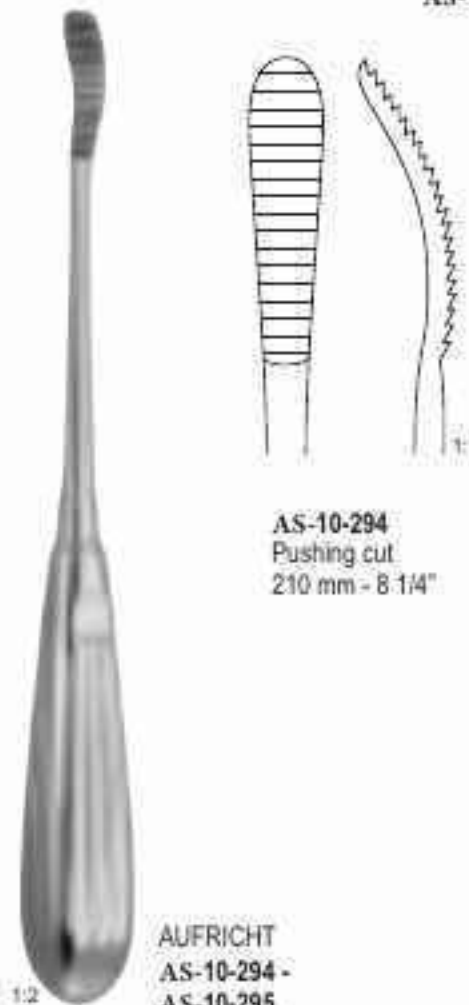
MALTZ
AS-10-292 -
AS-10-293



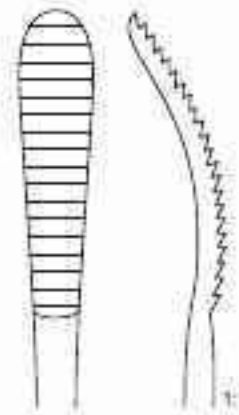
AS-10-292
Drawing cut
170 mm - 6 3/4"
34 mm X 7 mm



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



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



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



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



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



FOMON
Teeth



AS-10-296
Fig.1
12



AS-10-297
Fig.3
16



AS-10-298
Fig.5
24



AS-10-299
Fig.7
36



AS-10-300
Fig.9
52



FOMON TC
Teeth



AS-10-301
Fig.2
14



AS-10-302
Fig.4
20



AS-10-303
Fig.6
30



AS-10-304
Fig.8
44



AS-10-305
Fig.10
62



AS-10-306 - AS-10-308



AS-10-306
Straight



AS-10-307
Left



AS-10-308
Right



ASCH
AS-10-309
230 mm - 9"

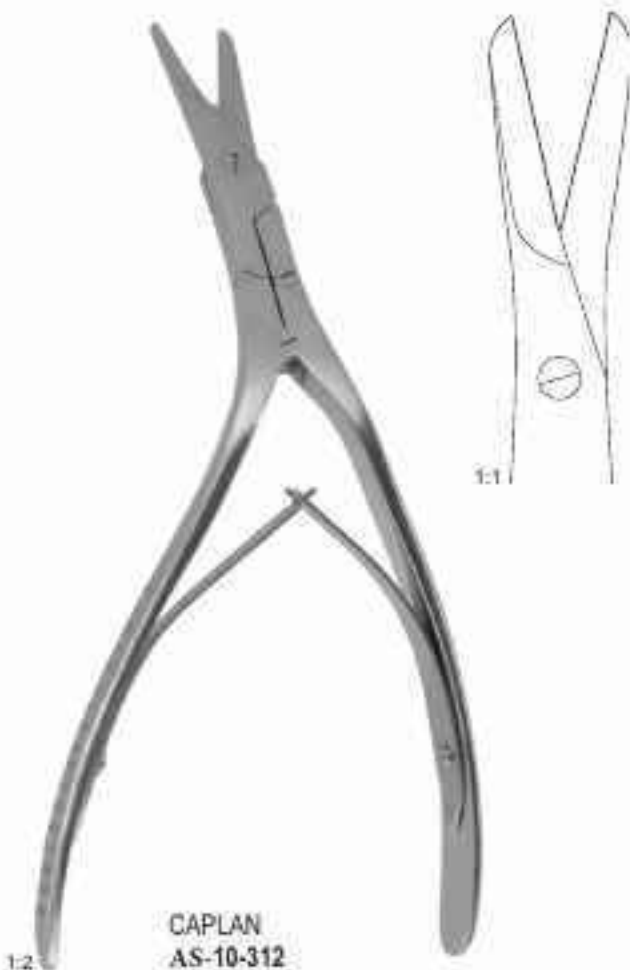




1:2 MIDDLETON - JANSEN
AS-10-310
190 mm - 7 1/2"



1:2 MIDDLETON - JANSEN
AS-10-311
190 mm - 7 1/2"



1:2 CAPLAN
AS-10-312
toothed
200 mm - 8"



1:2 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"



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



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



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



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-10-333

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
	Fig. 10	30 mm	Ø



AS-10-334
100 mm - 4"



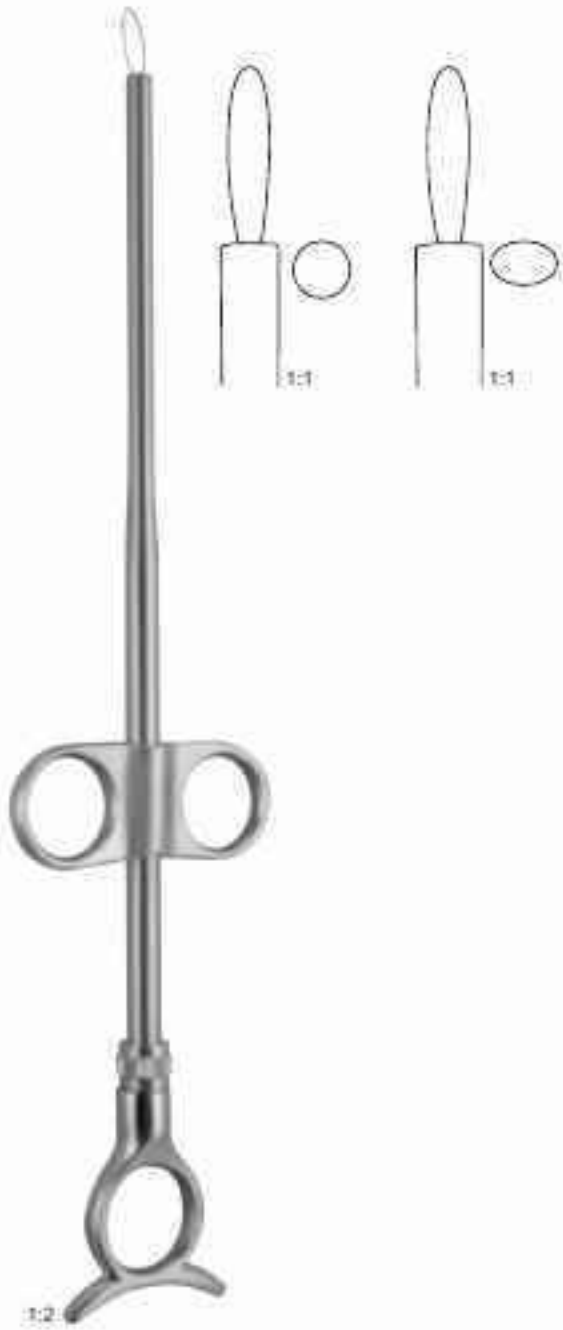
AS-10-335 - AS-10-346

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



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

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



EVES
AS-10-352
280 mm - 11"



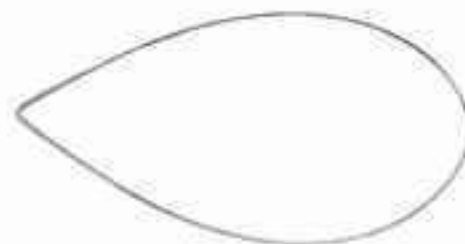
EVES
AS-10-353
280 mm - 11"



BRUENINGS
AS-10-354
280 mm - 11"



AS-10-355
10 mm - 3/8"
0.3 mm Ø
0.4 mm Ø



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



COLVER
AS-10-357
straight curved
190 mm - 7½"



WHITE
AS-10-358
180 mm - 7"
230 mm - 9"

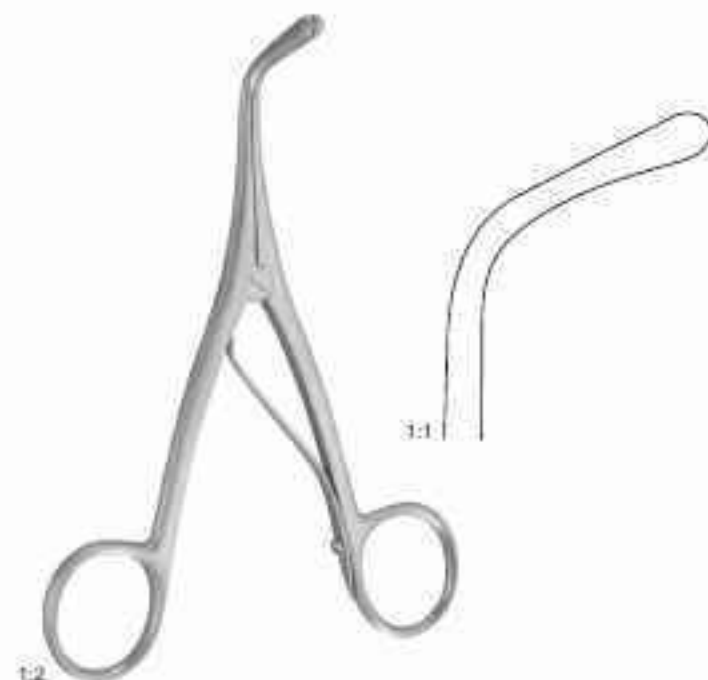


MUSEUX
AS-10-3
Tonsil holding forceps
200 mm - 8"

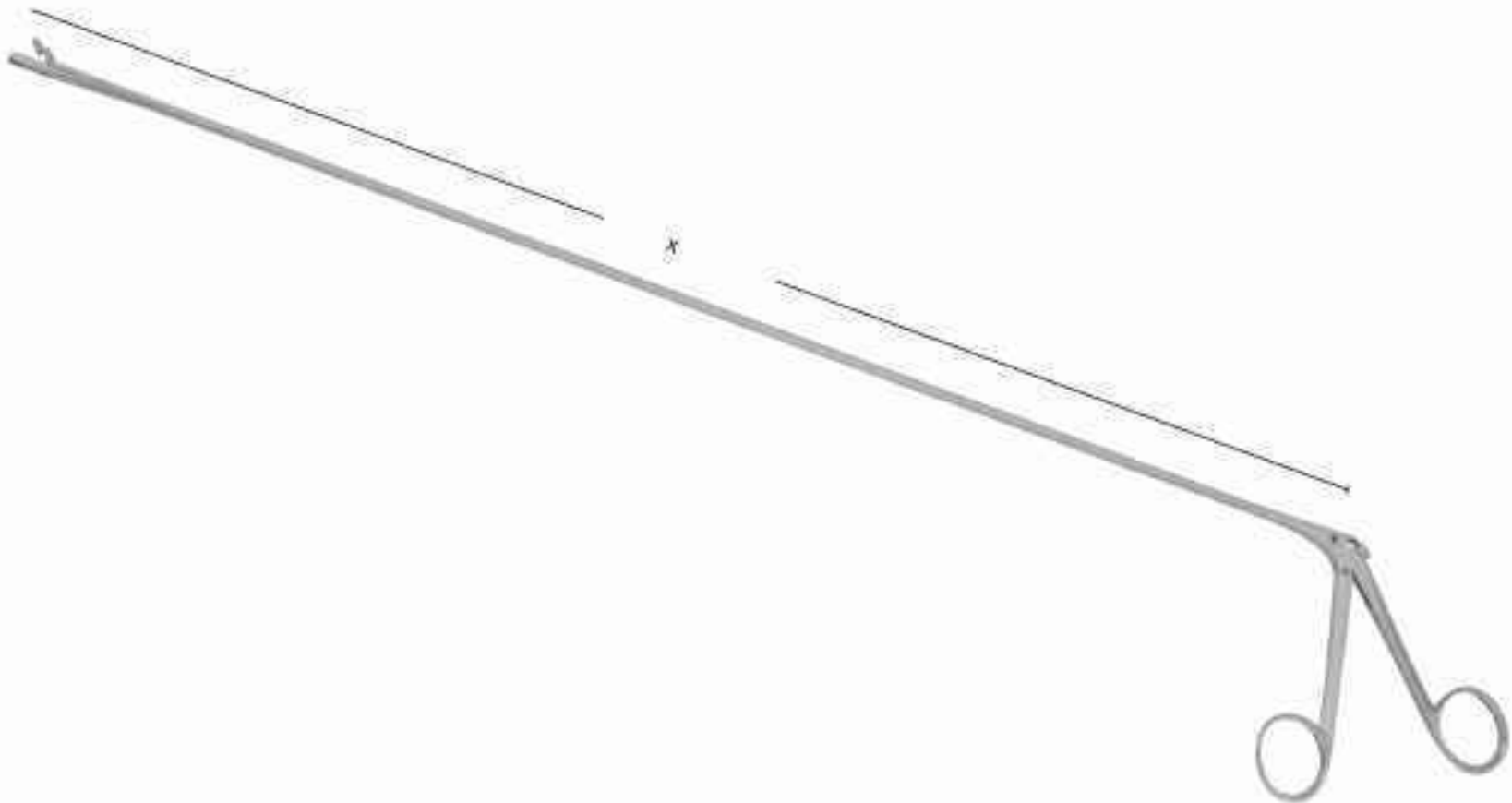
TRACHEA DILATOR



JACKSON
AS-10-360
laryngeal forceps
220 mm - 8½"



TROUSSEAU
AS-10-361
140 mm - 5½"



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-10-362



AS-10-363



AS-10-364



AS-10-365



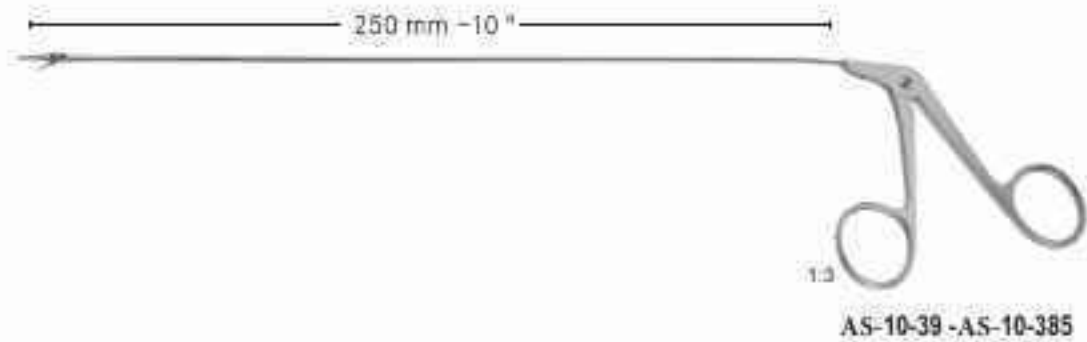
AS-10-366



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-10-3
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

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

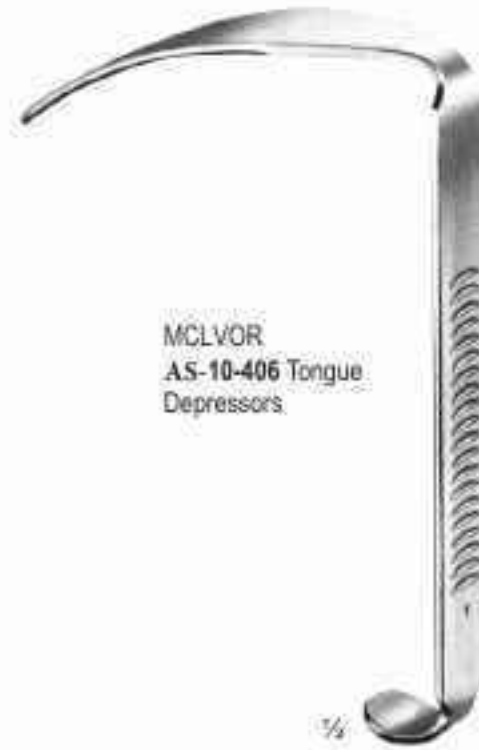
Fig. 2
AS-10-403
77 X 34 mm

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

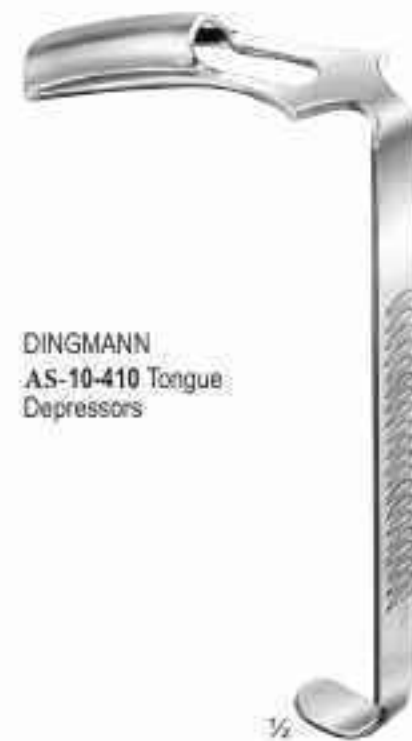
Fig. 1
AS-10-407
100 X 25 mm

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

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



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



DINGMANN
AS-10-410 Tongue
Depressors

Fig. 1
AS-10-411
62 X 26 mm

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

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



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



TONSIL INSTRUMENTS





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

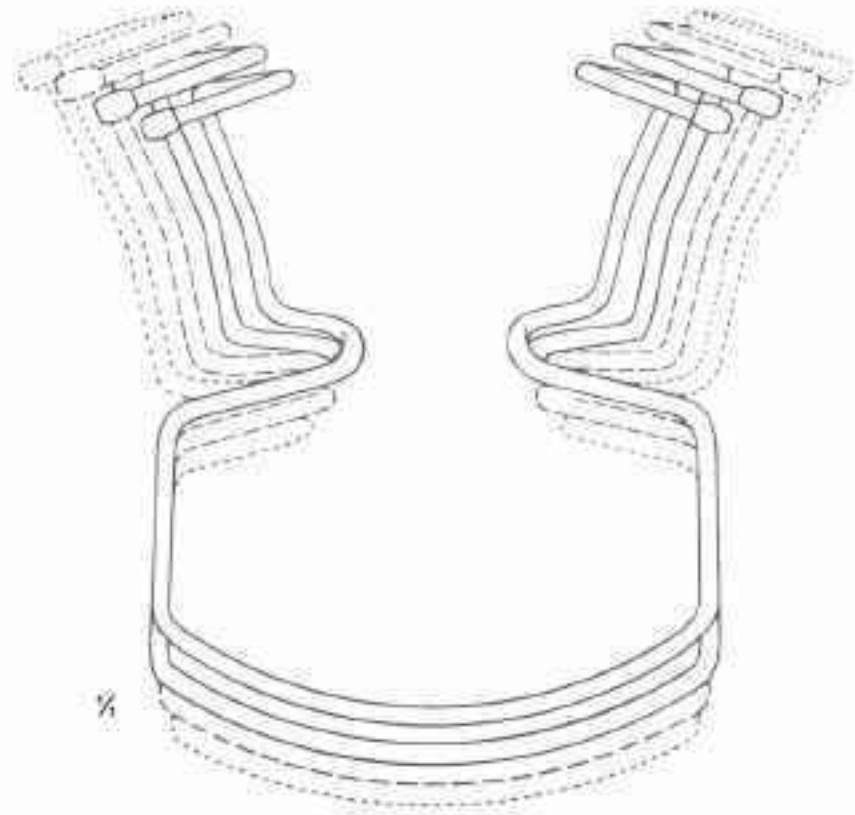
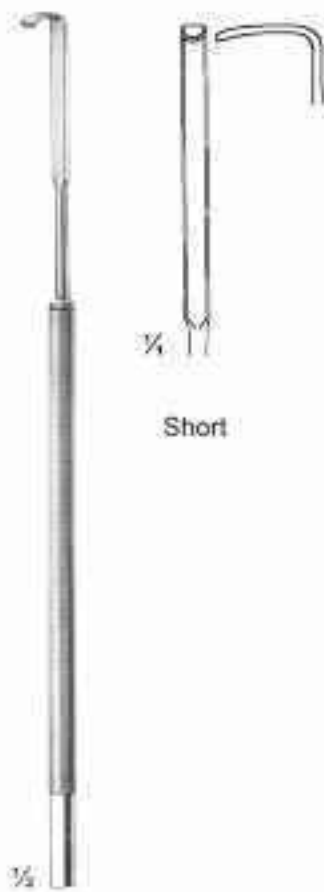


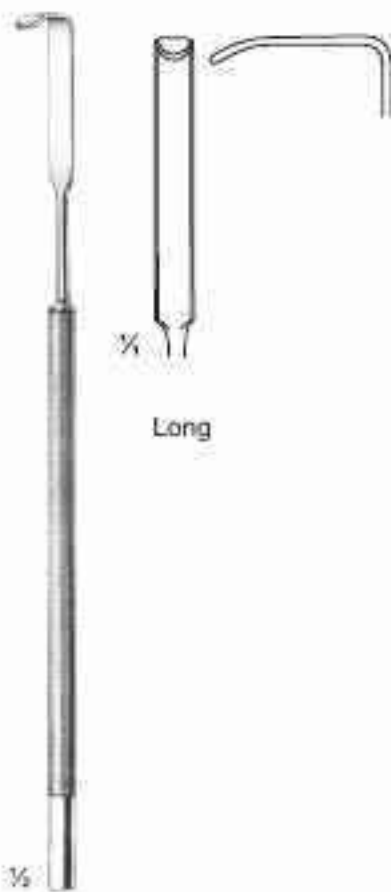
Fig. 1
AS-10-425
10 cm

Fig. 2
AS-10-426
10.5 cm

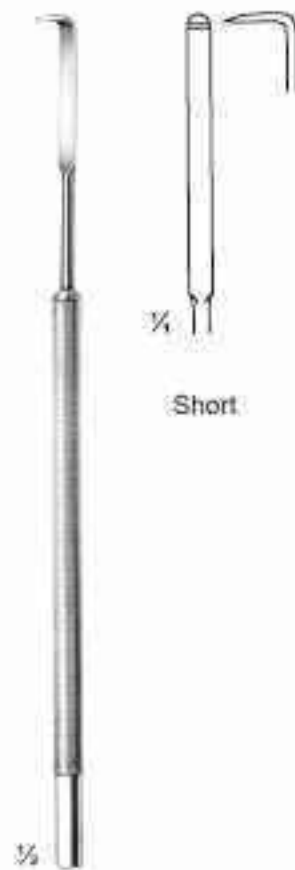
Fig. 3
AS-10-427
11 cm



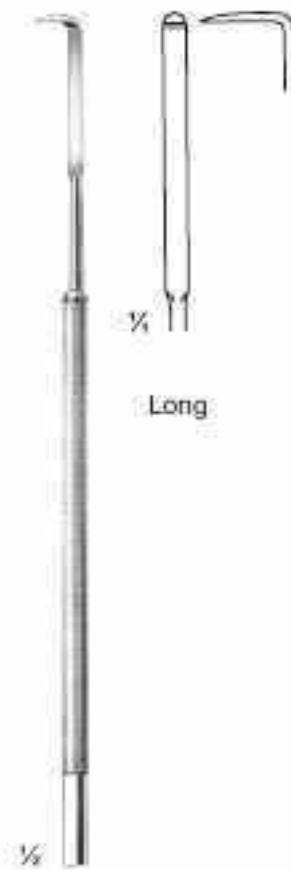
SALYER
AS-10-428
185 mm
Cleft Palate
Hooklets



SALYER
AS-10-429
185 mm
Cleft Palate
Hooklet



SALYER
AS-10-430
180 mm
Cleft Palate
Dissector



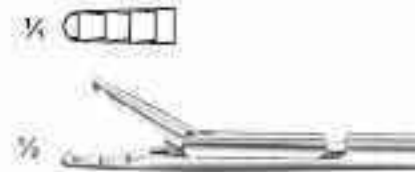
SALYER
AS-10-431
180 mm
Cleft Palate
Dissector



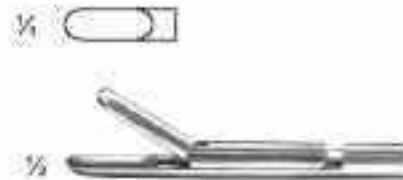
SALYER
AS-10-432
180 mm
Cleft Palate
Instruments



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

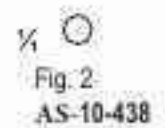


Fig. 2
AS-10-438



Fig. 3
AS-10-439

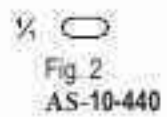


Fig. 2
AS-10-440



Fig. 3
AS-10-441



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



LANGE
AS-10-442
for interchangeable tubes

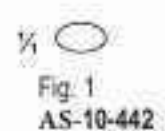


Fig. 1
AS-10-442



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



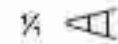
Fig. 3
AS-10-448



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



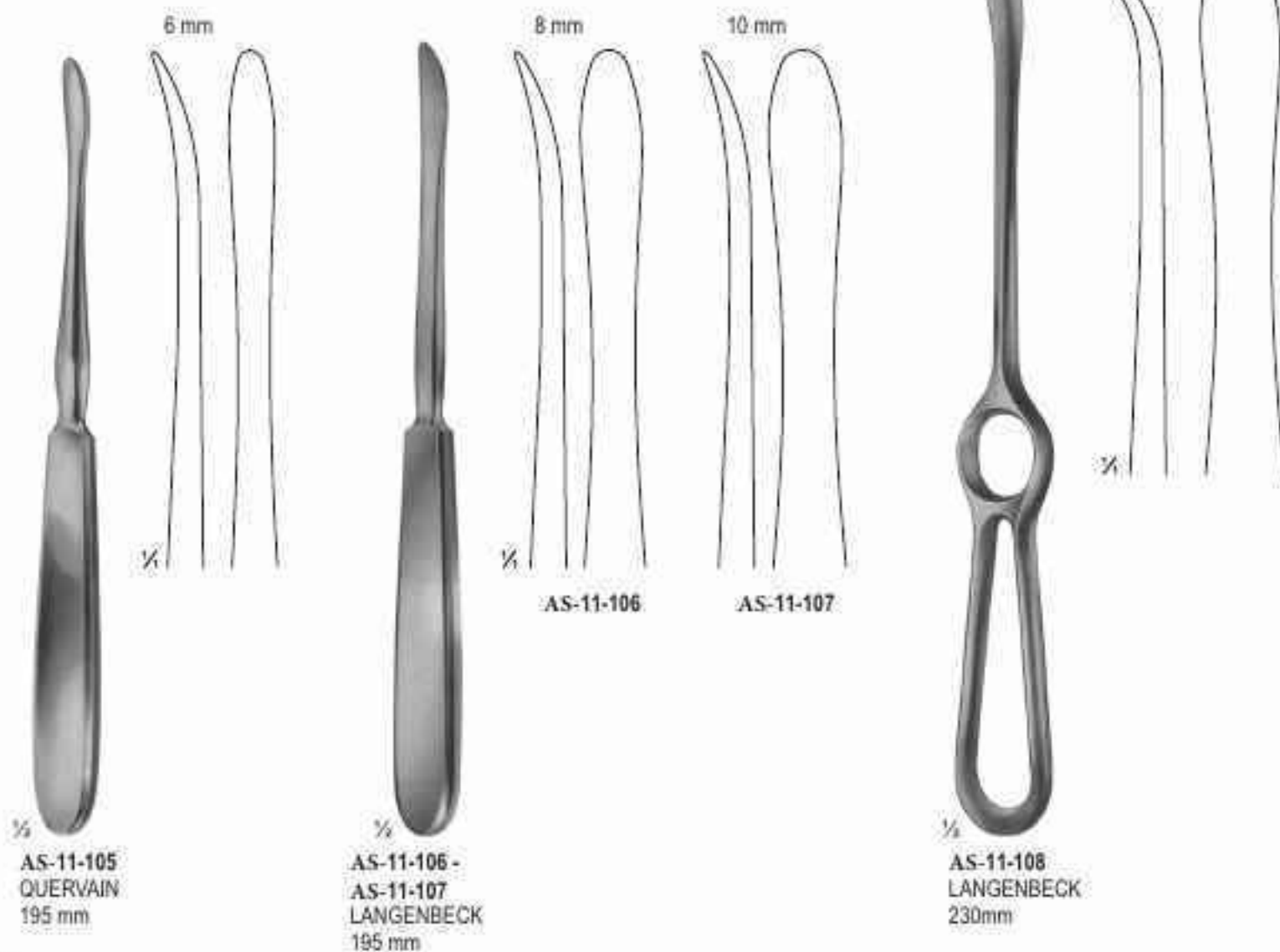
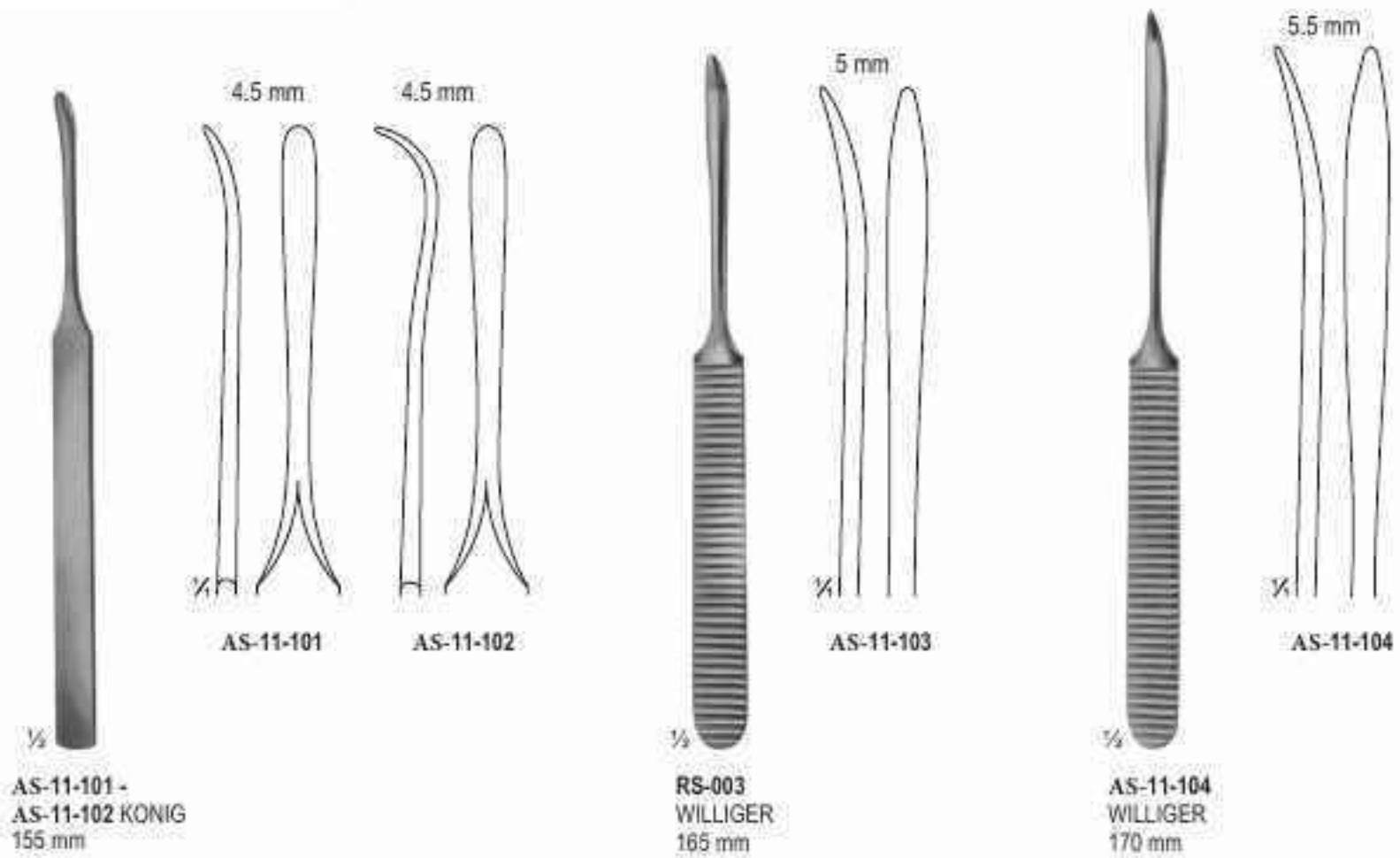
CORDES
AS-10-453
for interchangeable tubes

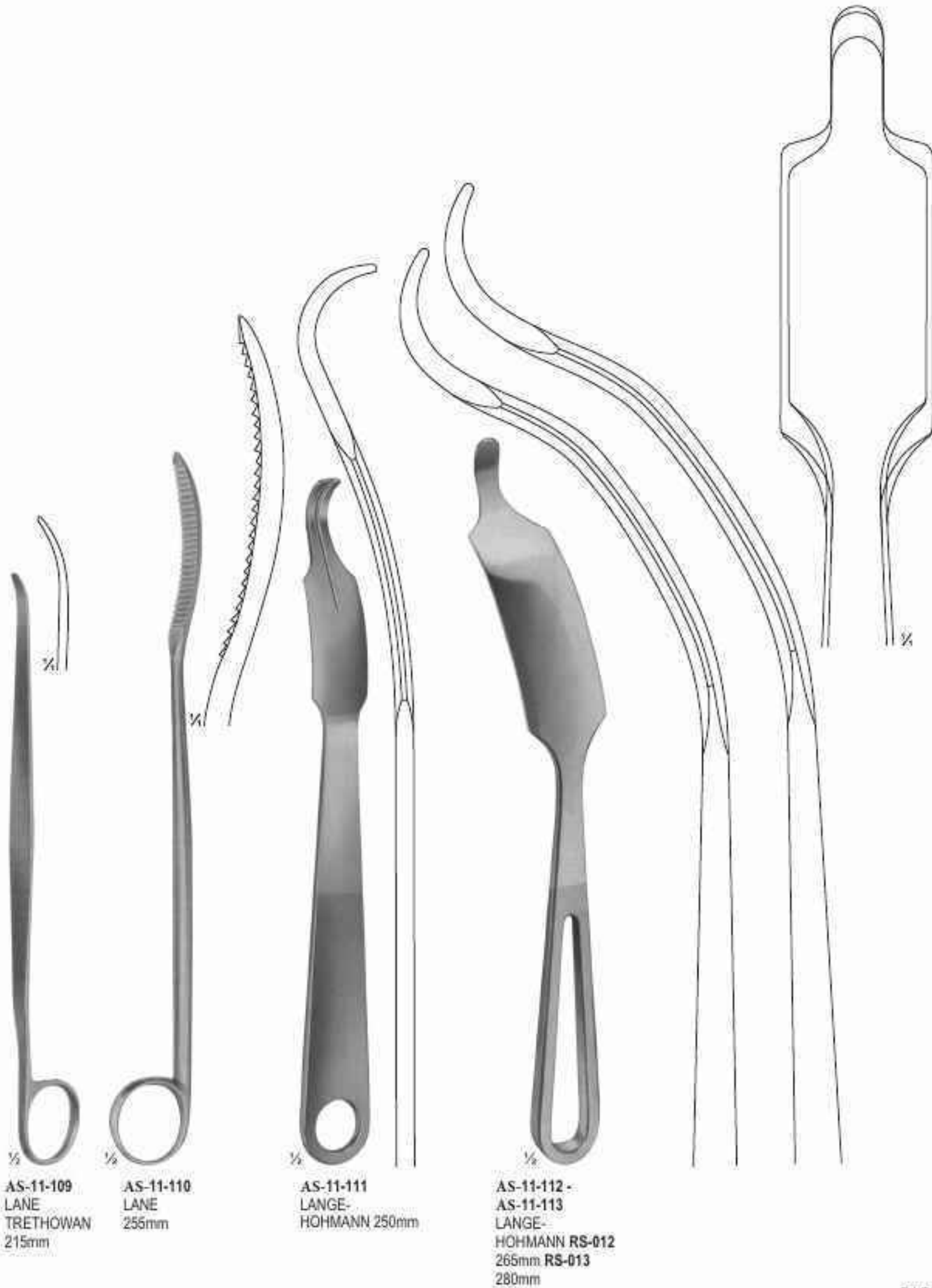


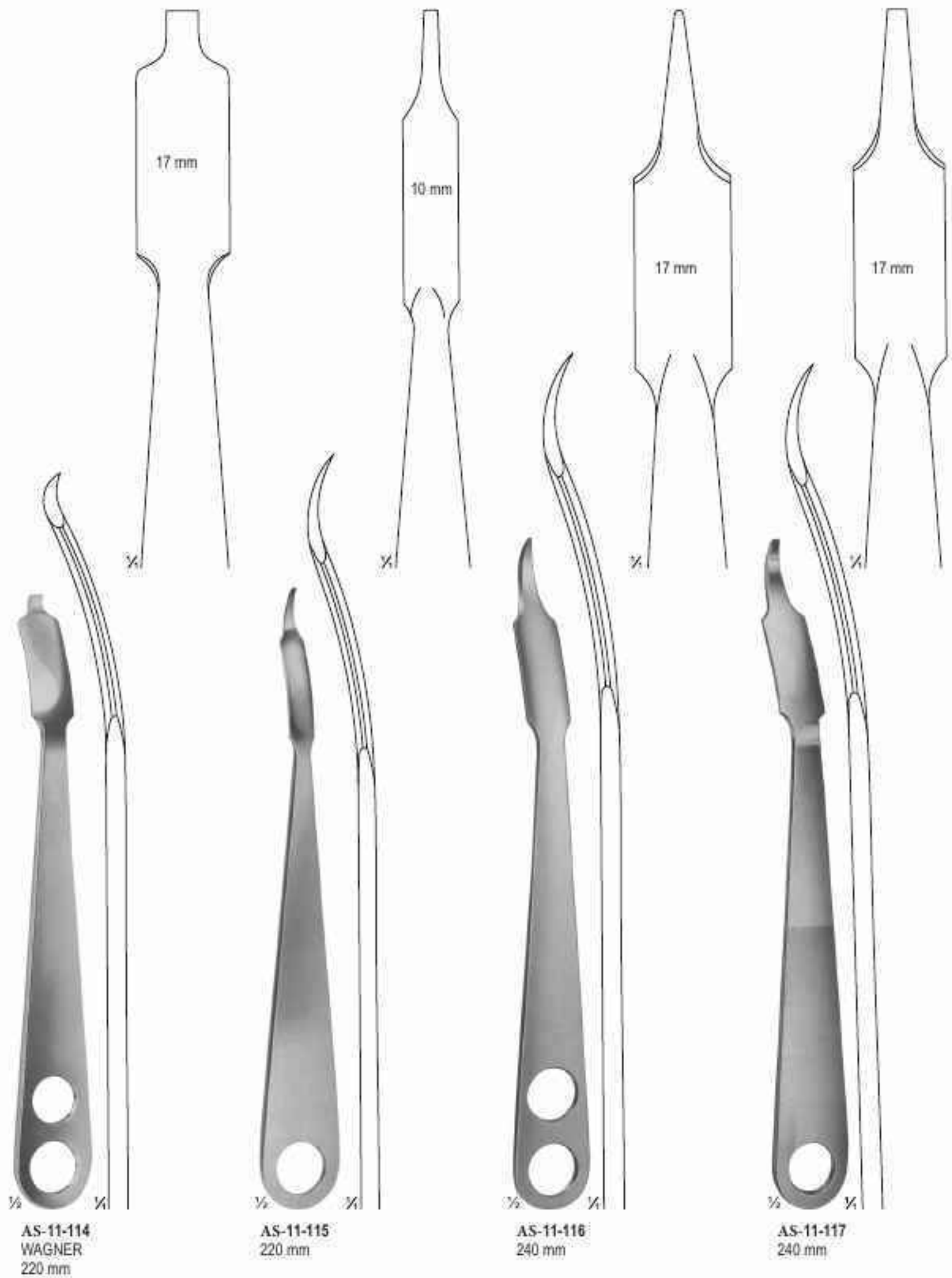
ROSENBERG
AS-10-454
for interchangeable tubes

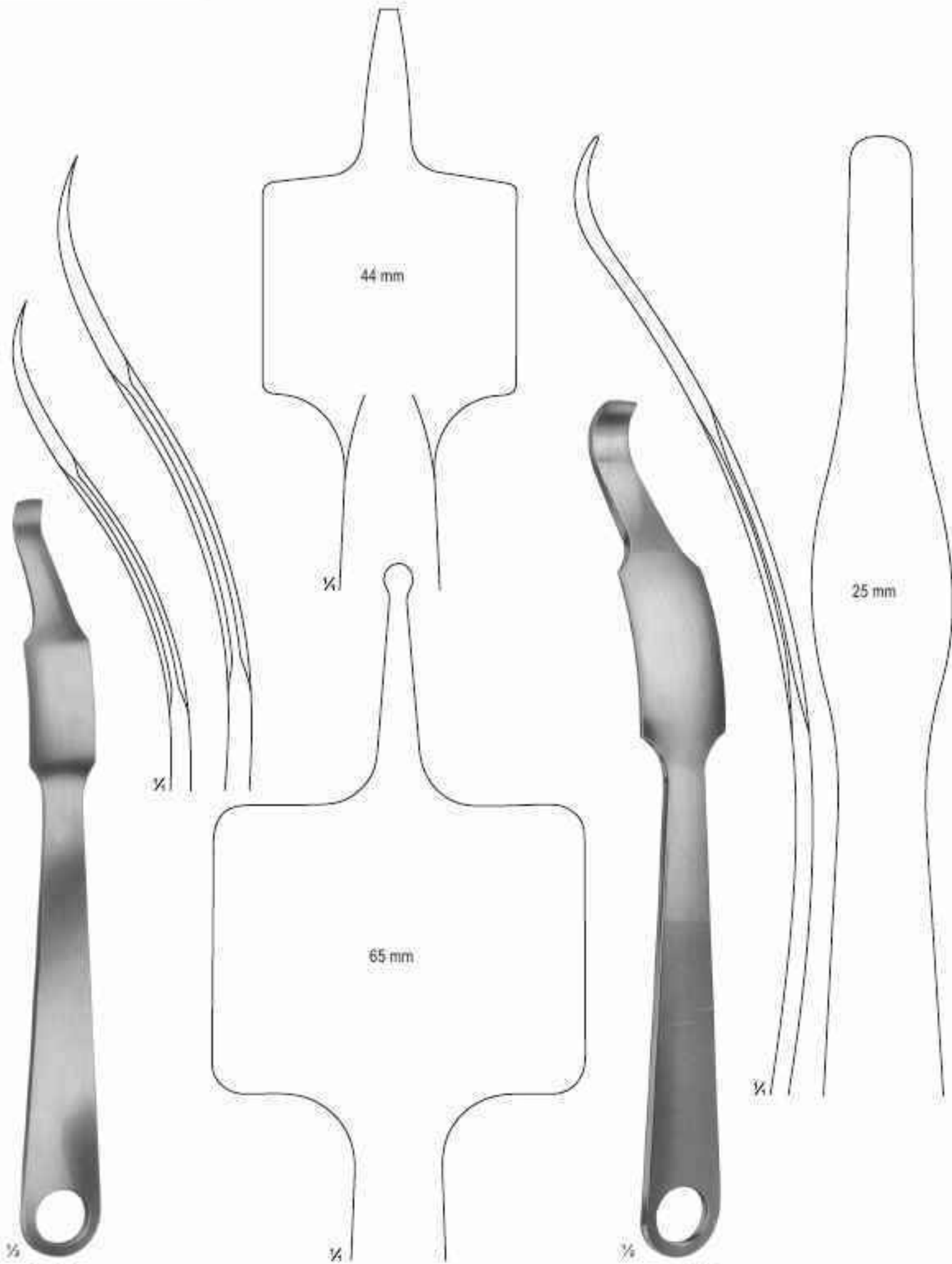
Page 223–241

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



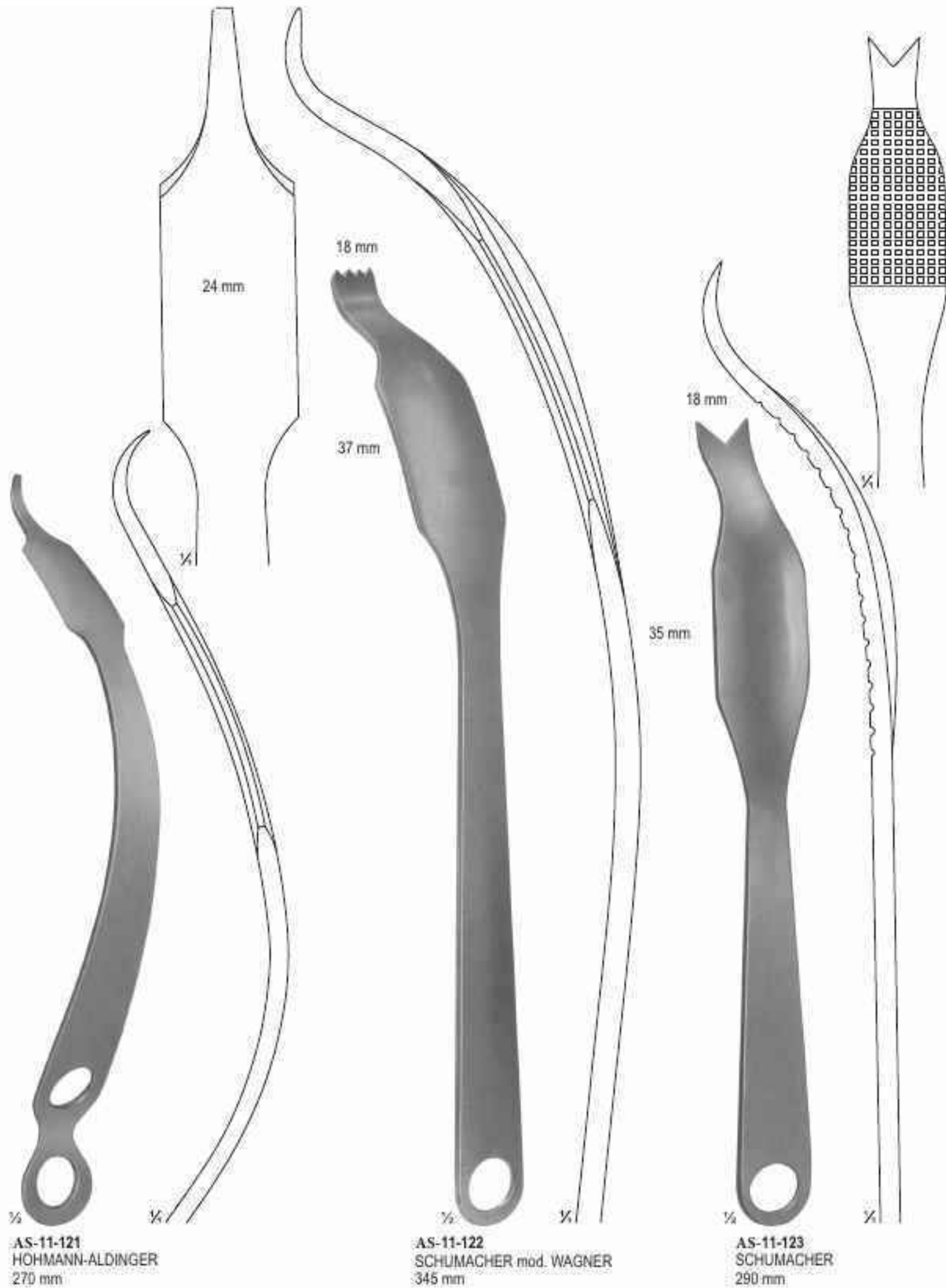


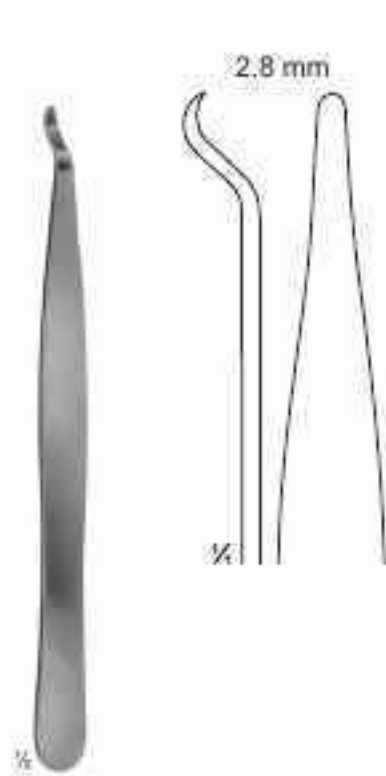




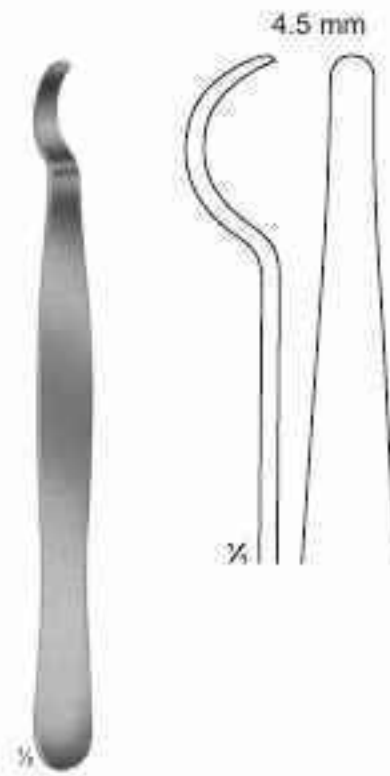
AS-11-118 -
AS-11-119
VERBRUGGE-MULLER
AS-11-118 240 mm
AS-11-119 255 mm

AS-11-120
260 mm

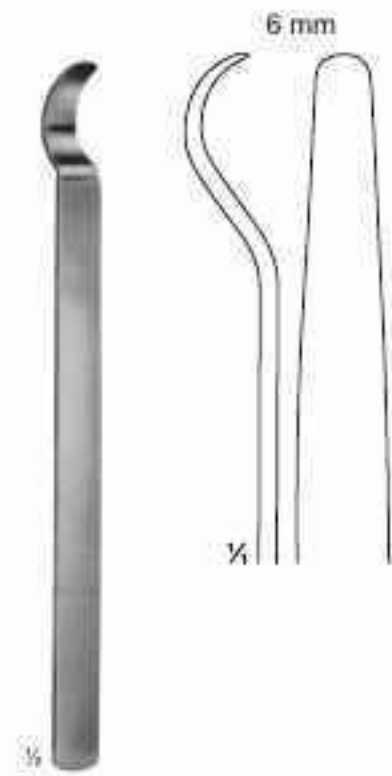




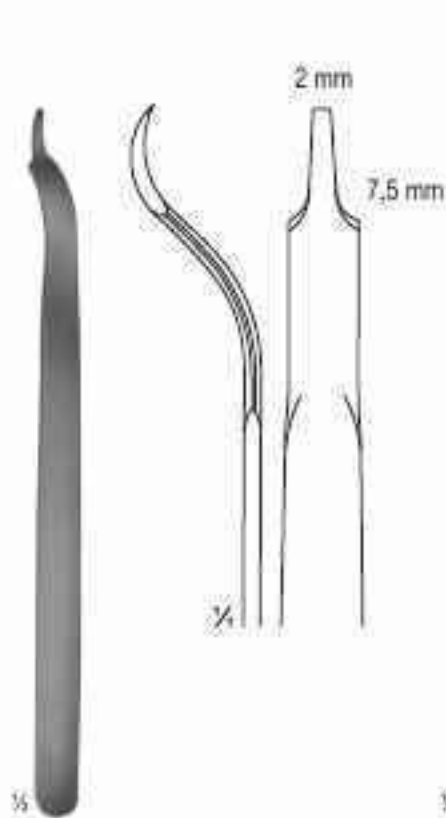
AS-11-124
140 mm



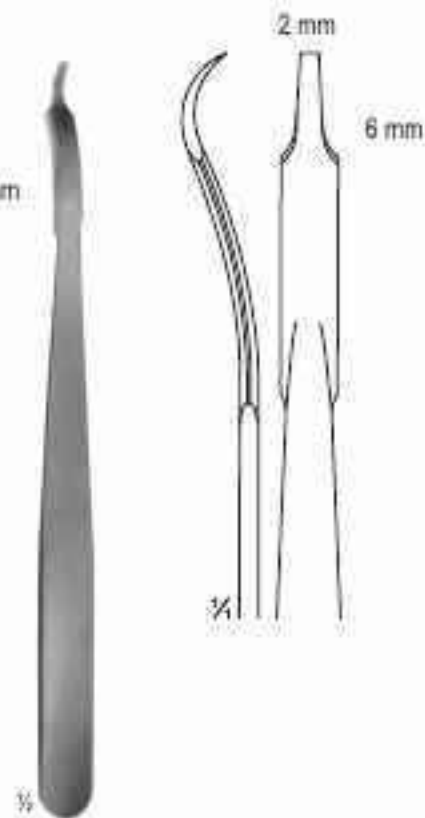
AS-11-125
150 mm



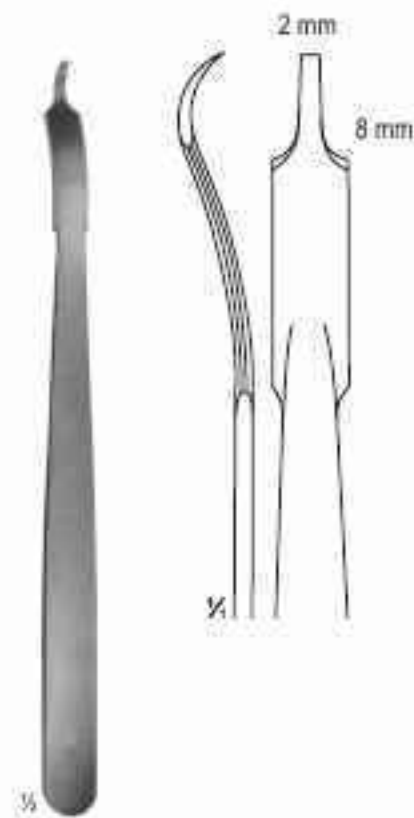
AS-11-126
150 mm



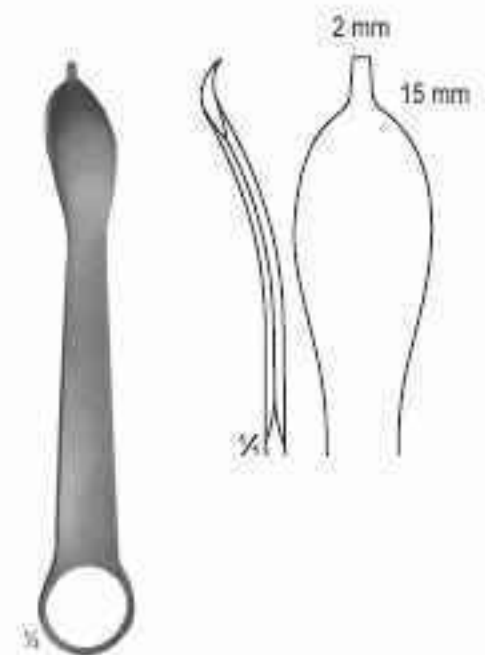
BUCK-GRAMCKO
AS-11-127
150 mm



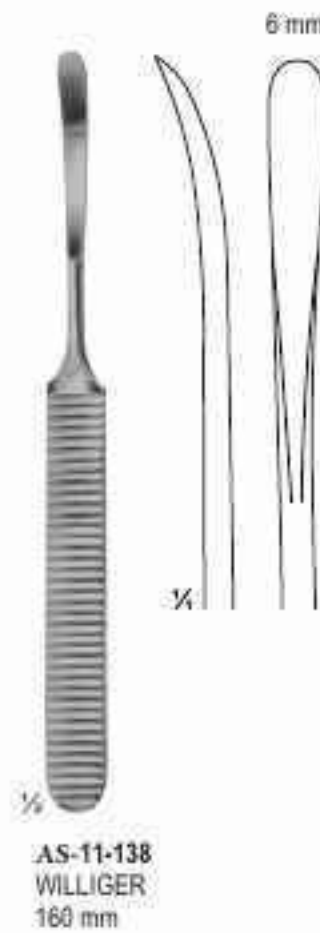
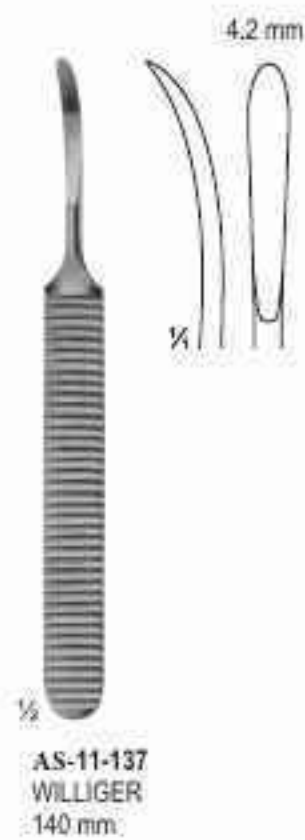
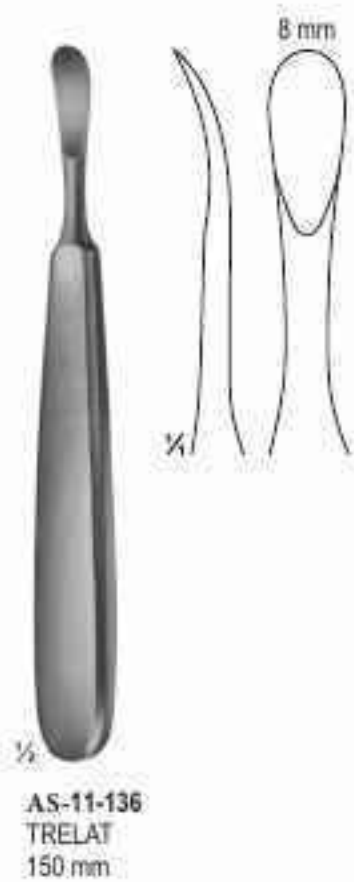
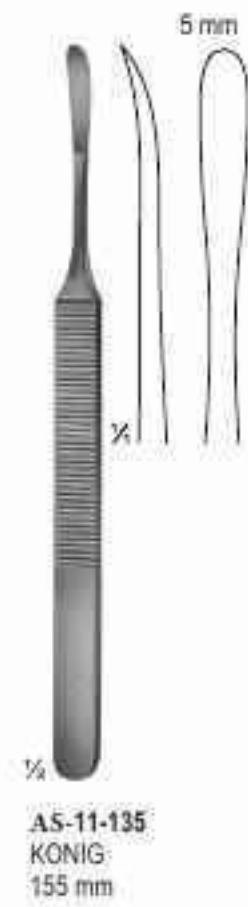
AS-11-128
160 mm



AS-11-129
160 mm



AS-11-130
125 mm





AS-11-140
HALLER
stump/blunt
180 mm



AS-11-141
FREER
stump/blunt
190 mm



AS-11-142
FREER
stump/sharp
190 mm



AS-11-143
SEWALL
stump/blunt
190 mm



AS-11-144



AS-11-145



AS-11-146



AS-11-147



AS-11-148

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

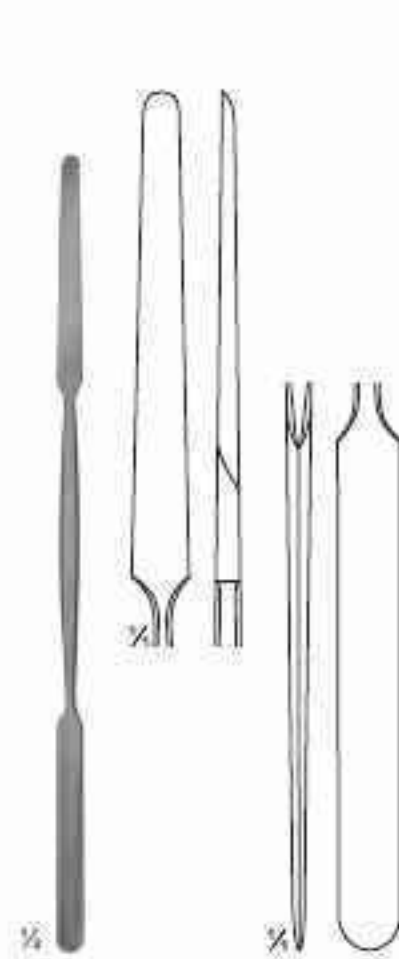
AS-11-147 -
AS-11-148
PAULSEN 205 mm



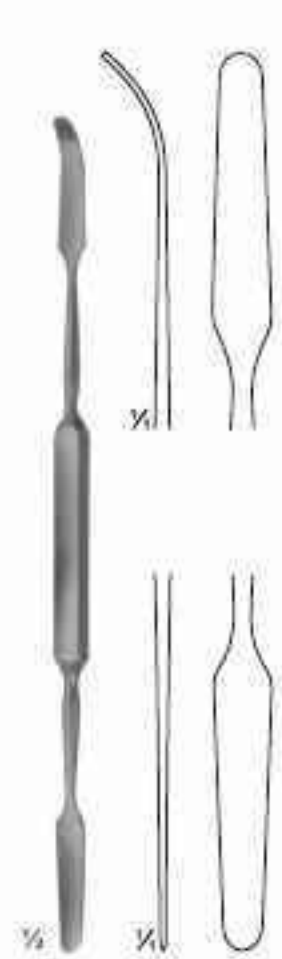
AS-11-149
KILLIAN
sharp/blunt
185 mm



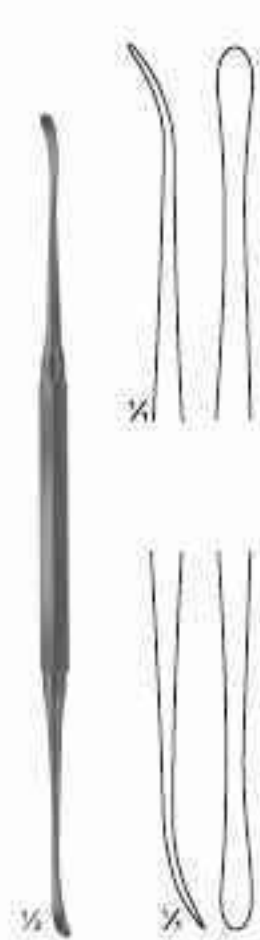
AS-11-150
HOWARTH
sharp/blunt
215 mm



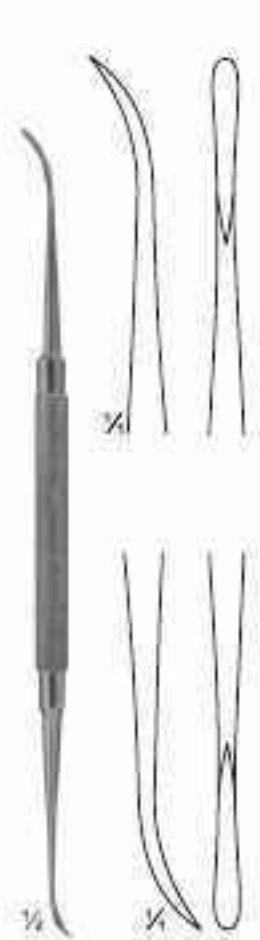
AS-11-151
KILLIAN
sharp/blunt
185 mm



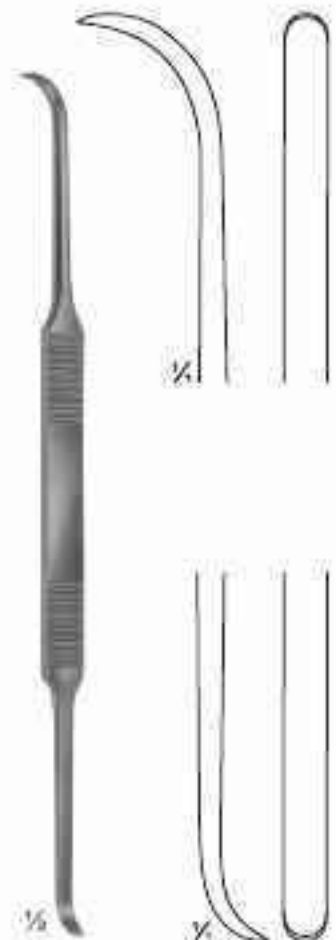
AS-11-152
MAC DONALD
blunt/blunt
185 mm



AS-11-153
FREER
sharp/blunt
185 mm



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



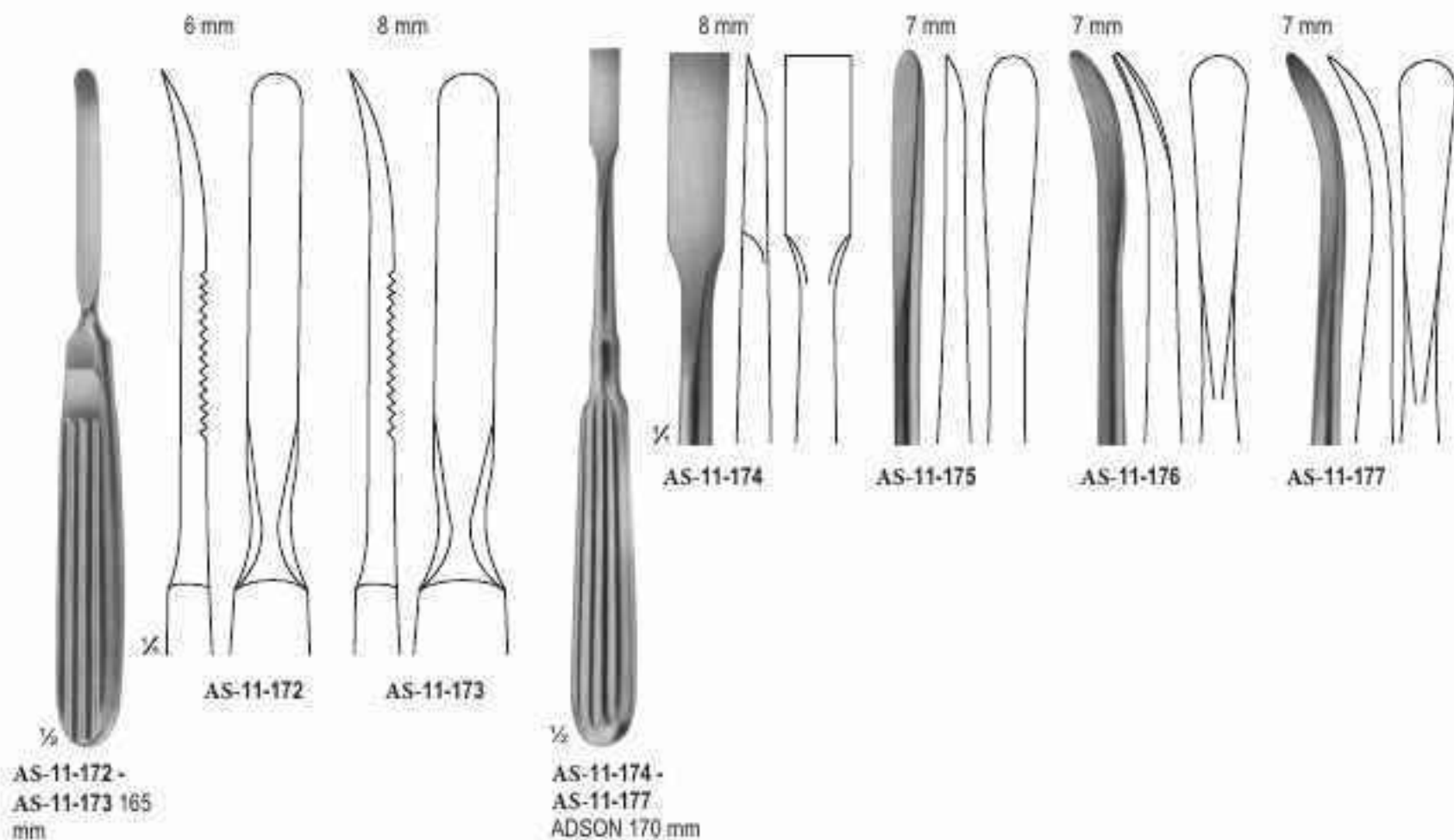
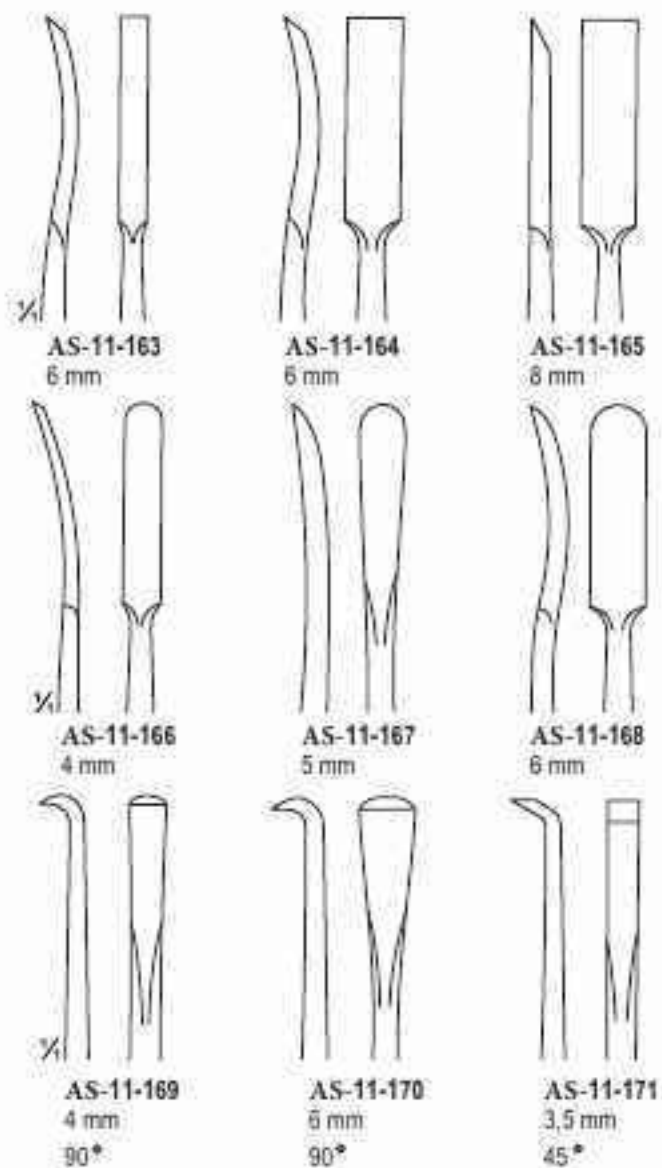
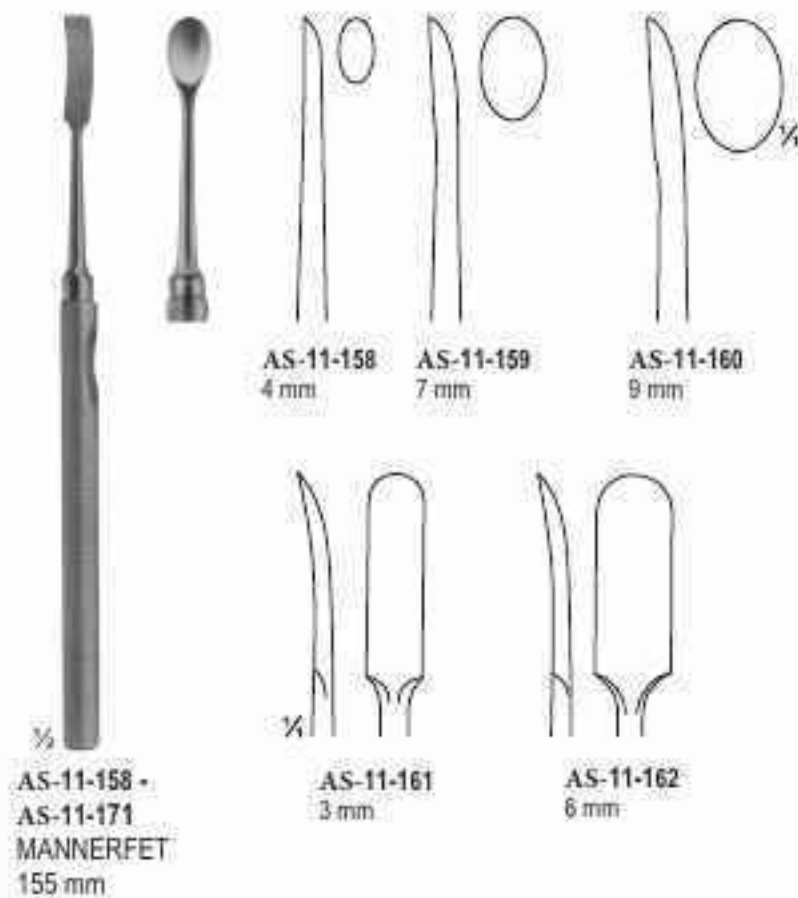
AS-11-155
COTTLE
sharp/sharp
200 mm

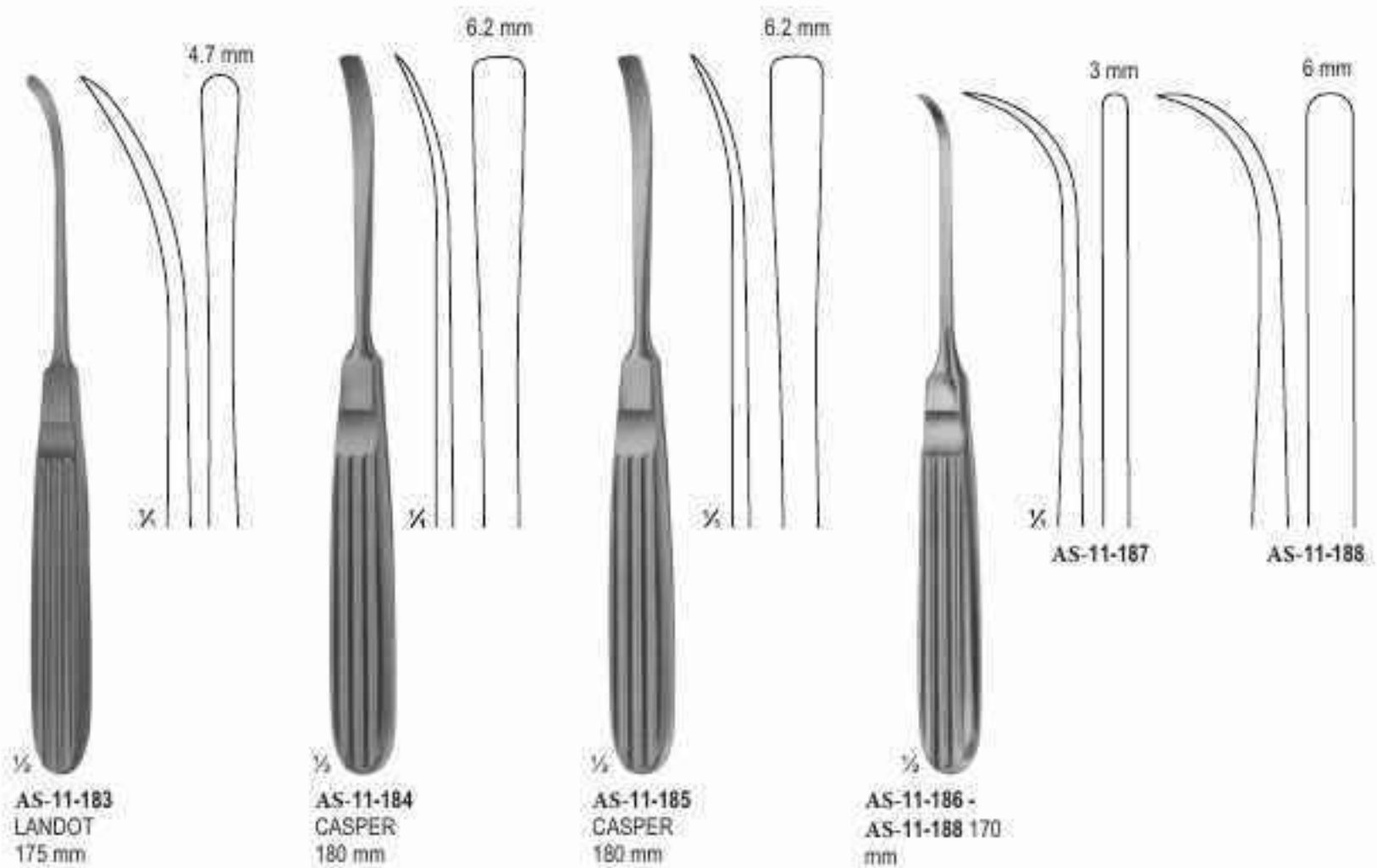
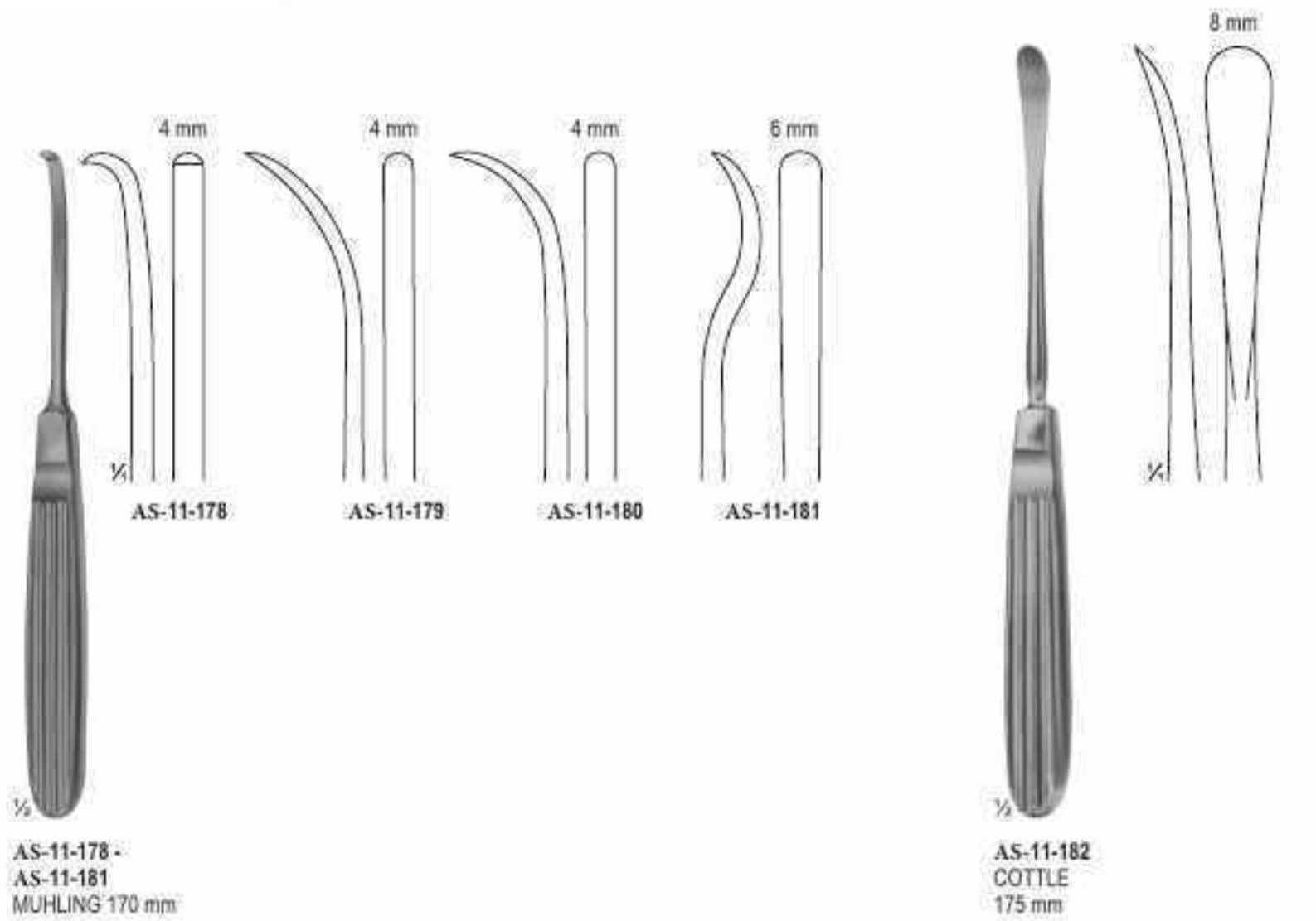


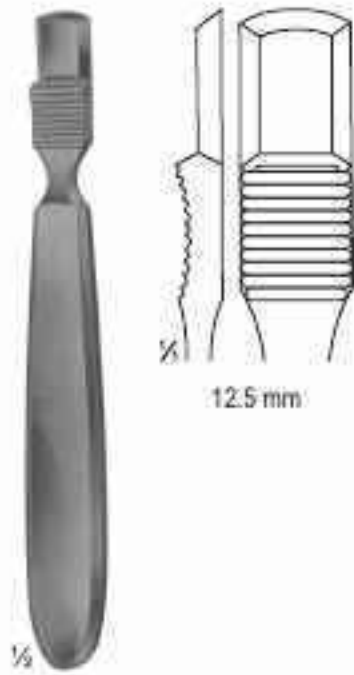
AS-11-156
MEAD
sharp/sharp
165 mm



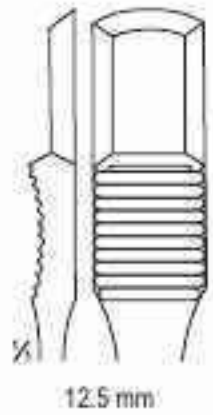
AS-11-157
MOLT
sharp/sharp
180 mm



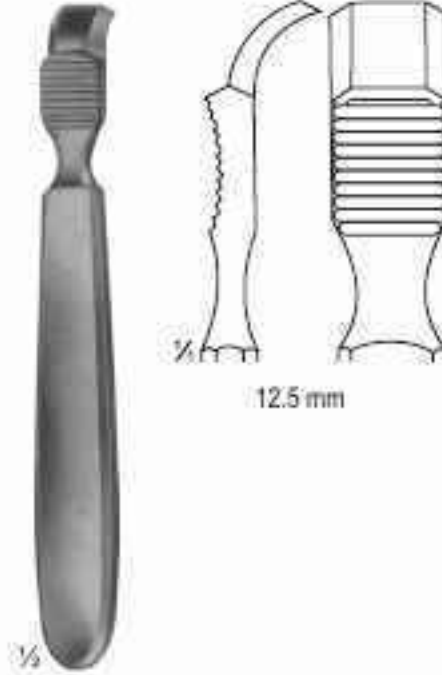




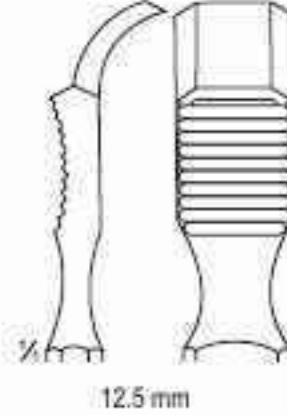
AS-11-189
FARABEUF
140 mm



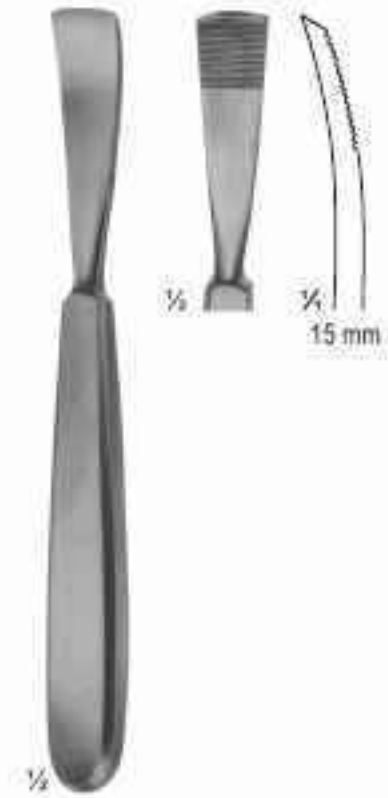
12.5 mm



AS-11-190
FARABEUF
140 mm



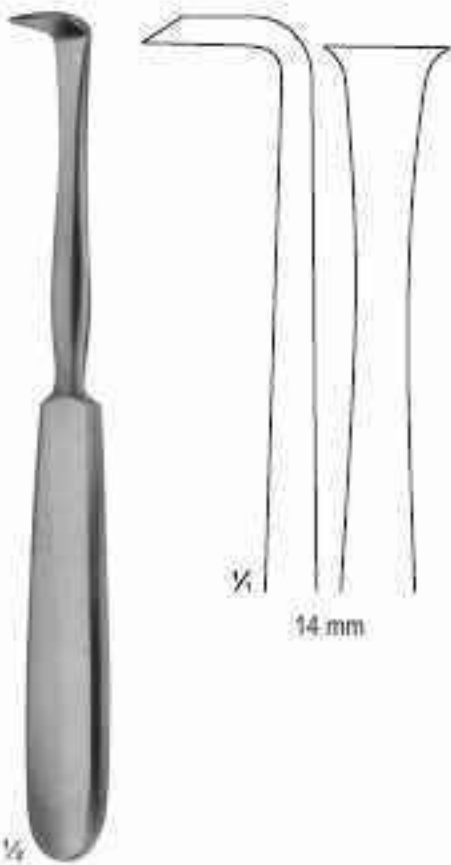
12.5 mm



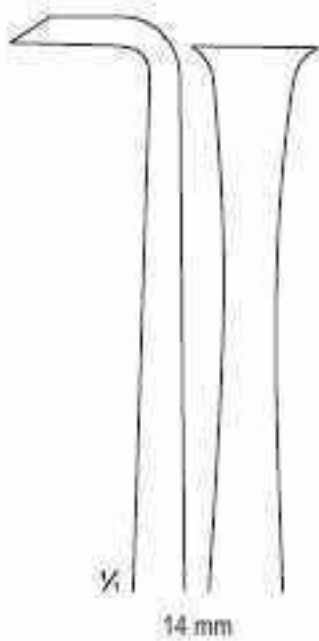
AS-11-191
JANSEN
165 mm



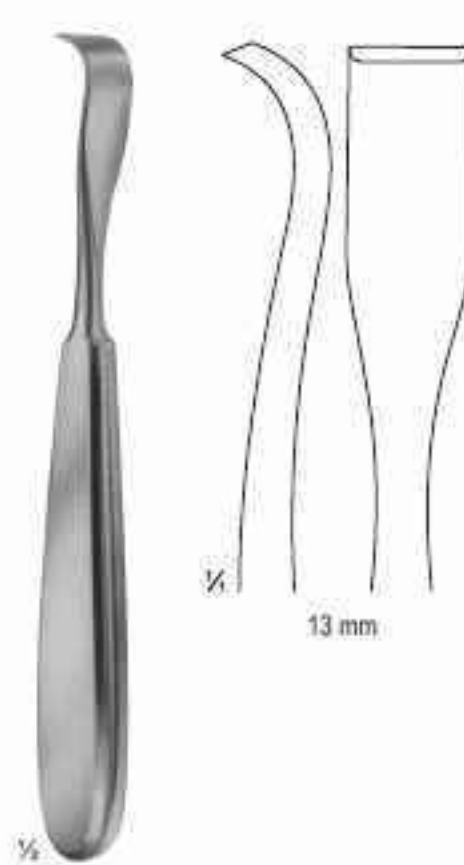
15 mm



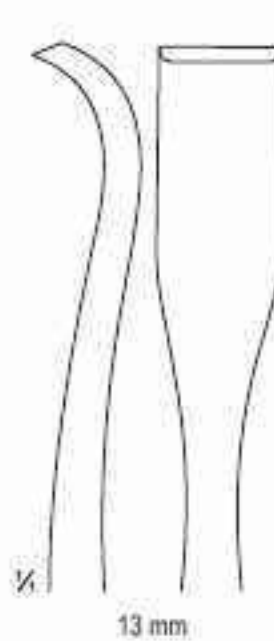
AS-11-192
LANGENBECK
180 mm



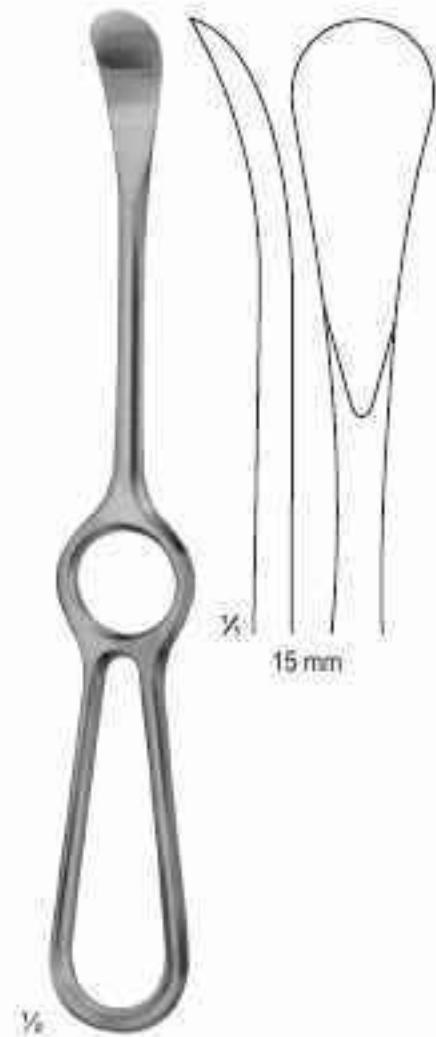
14 mm



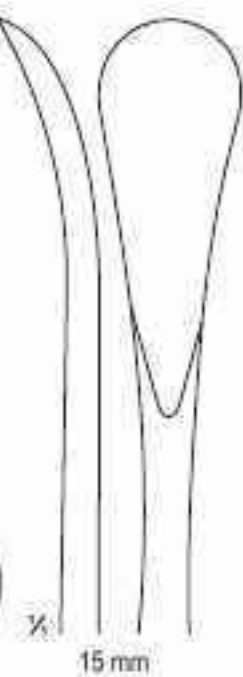
AS-11-193
SCHNEIDER
175 mm



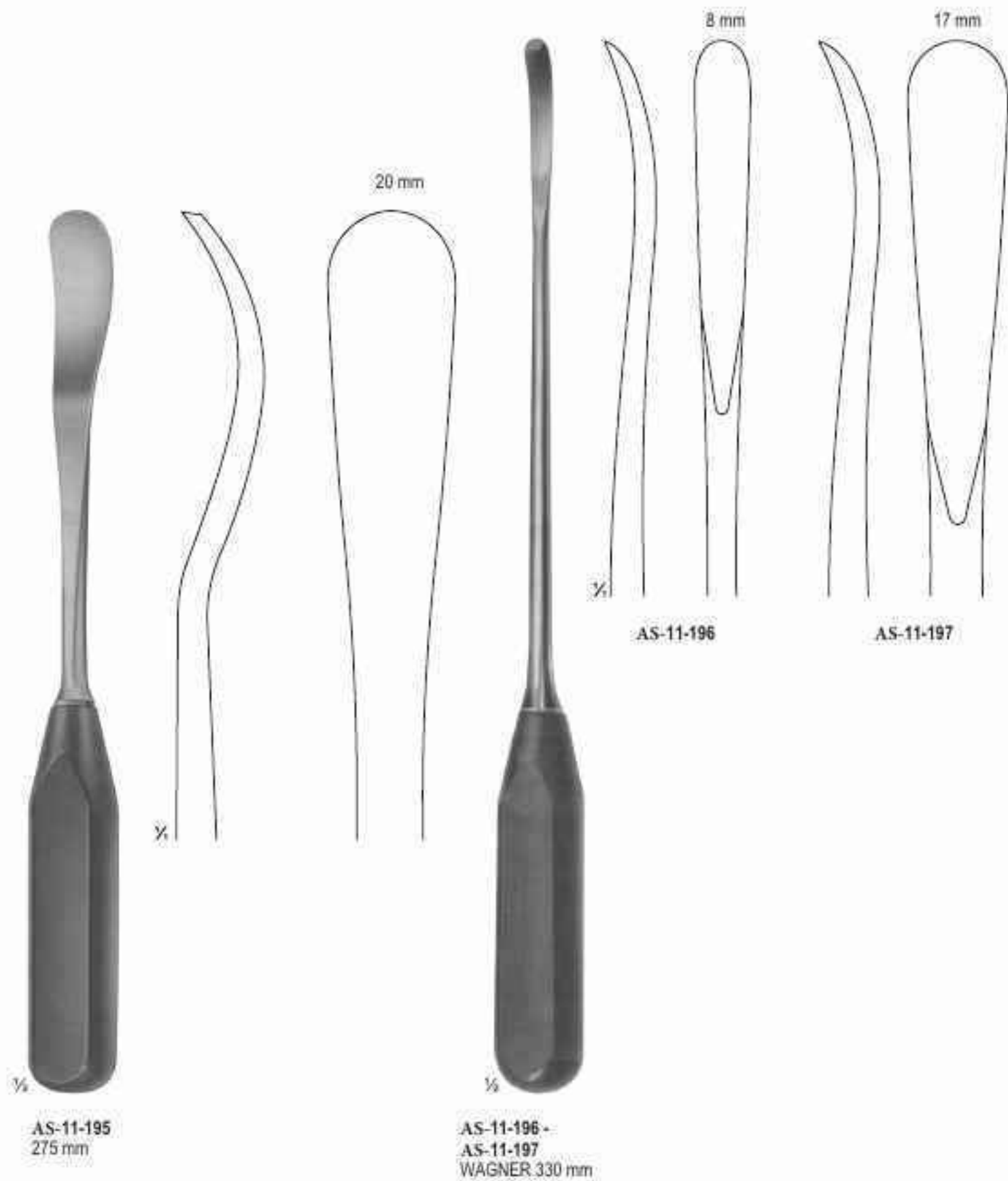
13 mm



AS-11-194
SEDILLOT
215 mm

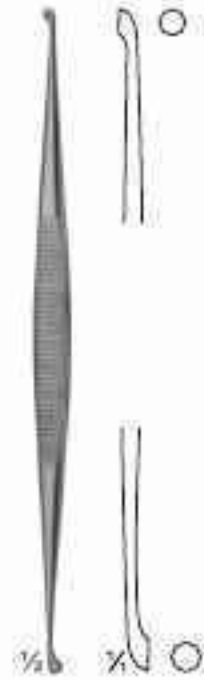


15 mm





AS-11-198
JACOBSON
140 mm



AS-11-199
MARTINI
140 mm



AS-11-200
MARTINI
140 mm



AS-11-201
WILLIGER
145 mm



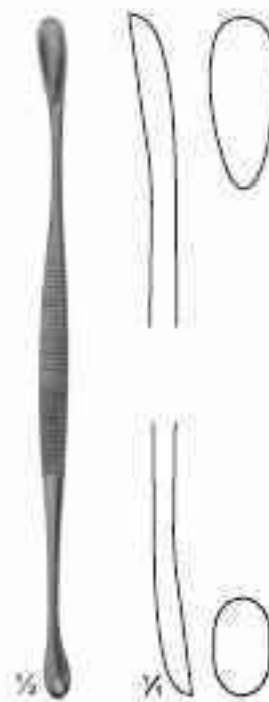
AS-11-202
JANSEN
160 mm



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



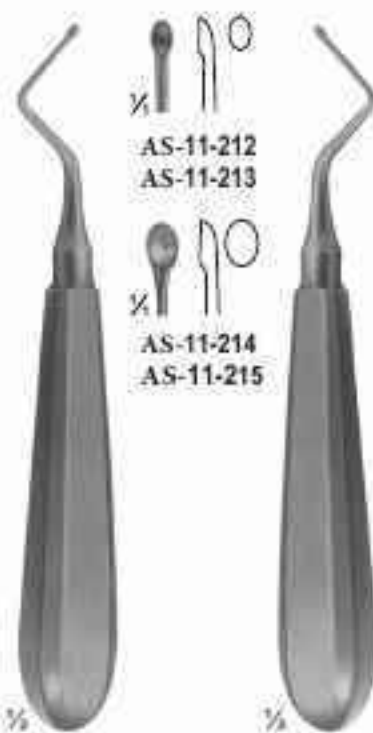
AS-11-209
HEMINGWAY
175 mm



AS-11-210
LUCAS
180 mm



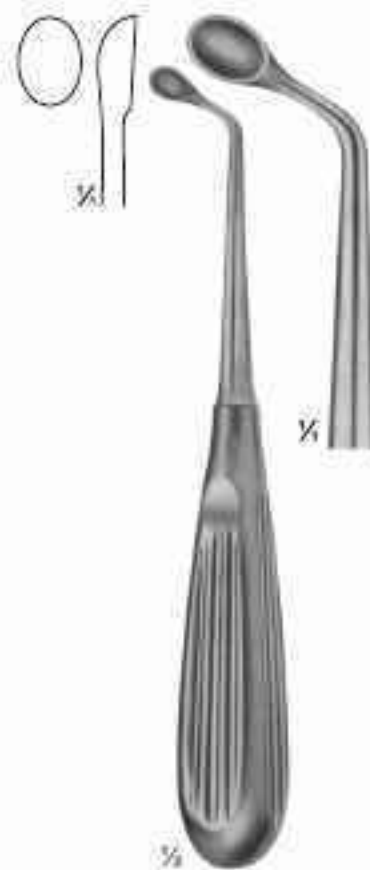
AS-11-211
LUCAS
185 mm



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



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



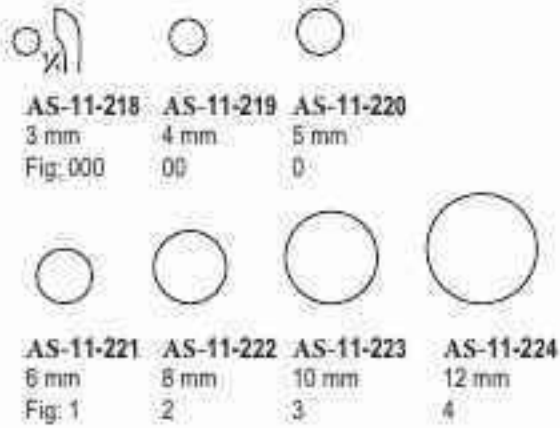
AS-11-216
UFFENDORDE
170 mm



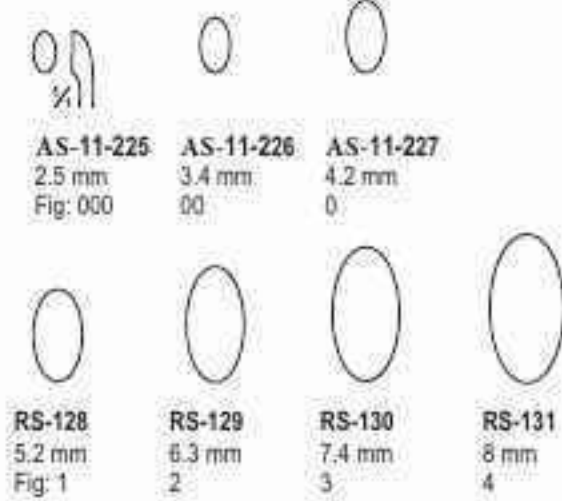
AS-11-217
UFFENDORDE
170 mm



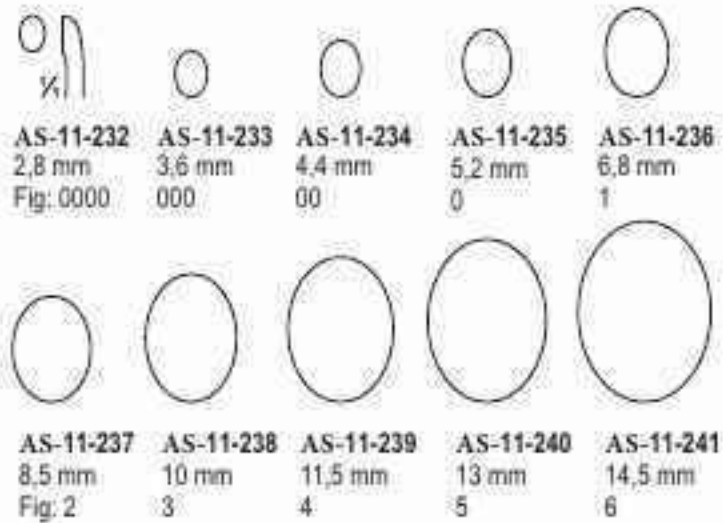
AS-11-218 -
AS-11-224 BRUNS
165 mm



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



AS-11-232 -
AS-11-241
VOLKMAN
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
SPECK 200
mm



AS-11-256 -
AS-11-259 250
mm



AS-11-260 -
AS-11-263 250
mm



AS-11-264 -
AS-11-266 BUSHE
250 mm

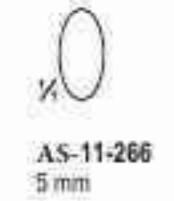




Fig. 1
AS-11-267



Fig. 1
AS-11-273



Fig. 1
AS-11-2179



Fig. 2
AS-11-268



Fig. 2
AS-11-274



Fig. 2
RS-1SF-11-2



Fig. 3
AS-11-269



Fig. 3
AS-11-275



Fig. 3
RS-1SF-11-2



Fig. 4
AS-11-270



Fig. 4
RS-1SF-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 242

- Trocars



Page 243–253

- Vaginal Specula



AS-13-102 -
AS-13-105 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
mm Total length/working length width



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



AS-13-107
CUSCO
for virgins
75 x 17 mm



AS-13-108
CUSCO
for virgins
75 x 17 mm



AS-13-109 - AS-13-111
CUSCO
AS-009 92X23-25 mm
AS-010 100x25-27 mm
AS-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



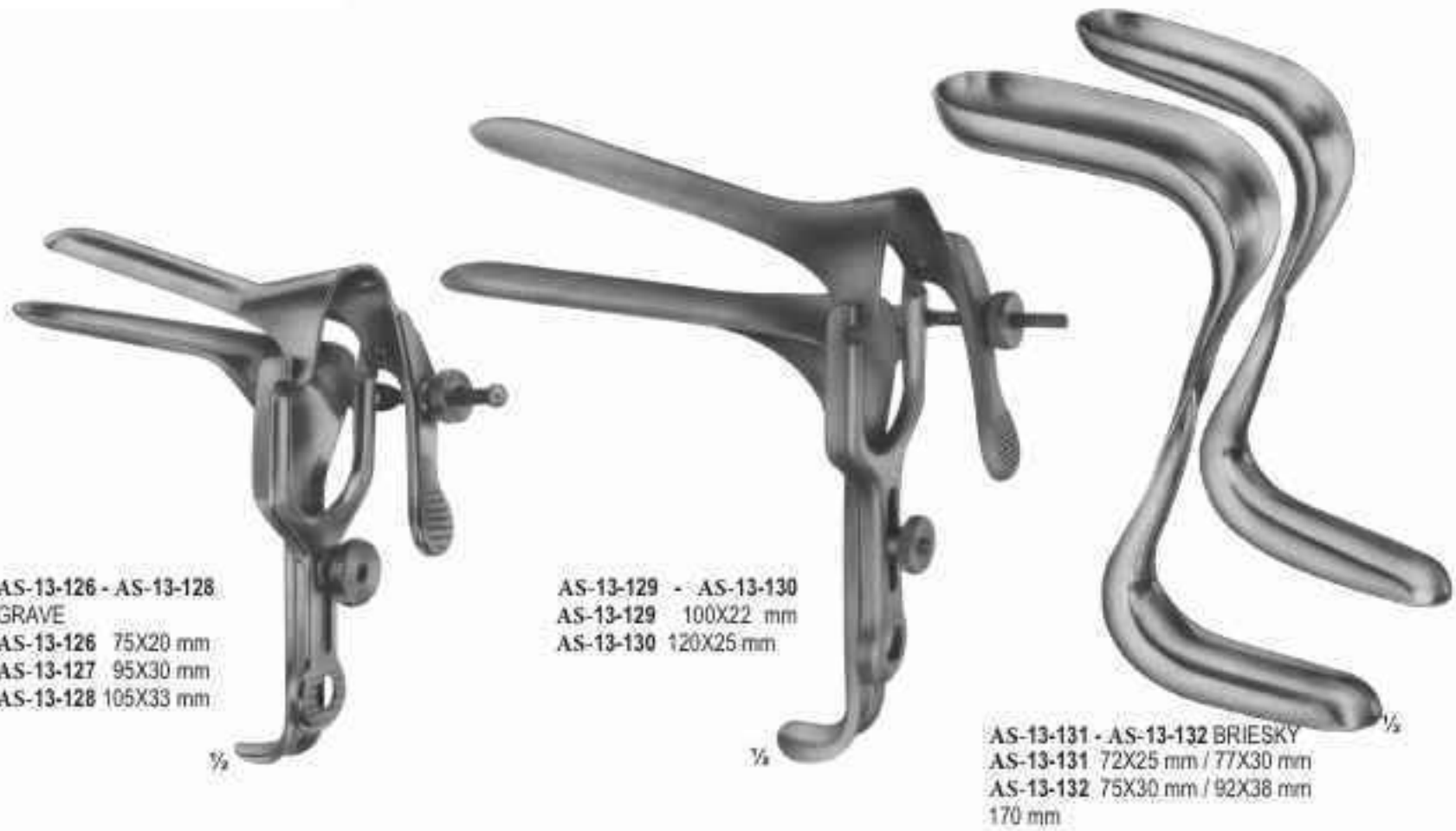
AS-13-120 - AS-13-122
CUSCO
AS-13-120 80X24 mm
AS-13-121 80X32 mm
AS-13-122 115X36 mm



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-13-155 115X14 mm
215 mm

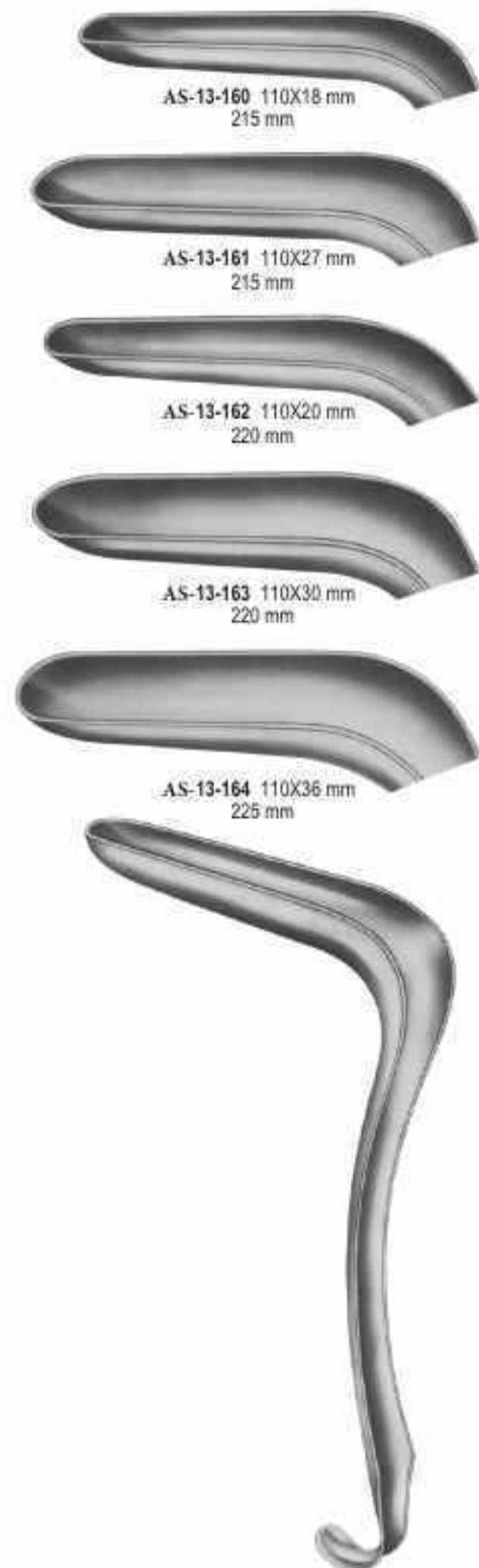
AS-13-156 115X23 mm
215 mm

AS-13-157 115X16 mm
220 mm

AS-13-158 115X26
mm 220 mm

AS-13-159 120X30
mm 225 mm

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



AS-13-160 110X18 mm
215 mm

AS-13-161 110X27 mm
215 mm

AS-13-162 110X20 mm
220 mm

AS-13-163 110X30 mm
220 mm

AS-13-164 110X36 mm
225 mm

LOWER BLADES



AS-13-165
80 X 28 mm



AS-13-166
85 X 35 mm



AS-13-167
85 X 40 mm



Slightly Concave

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



AS-13-168
76 X 38 mm



AS-13-169
89 X 38 mm



AS-13-170
102 X 38 mm



Slightly Concave

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



1/8
AS-13-171
BRAUN
180 mm



1/8
AS-13-172
BRAUN
180 mm



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



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



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





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



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

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



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-13-210
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



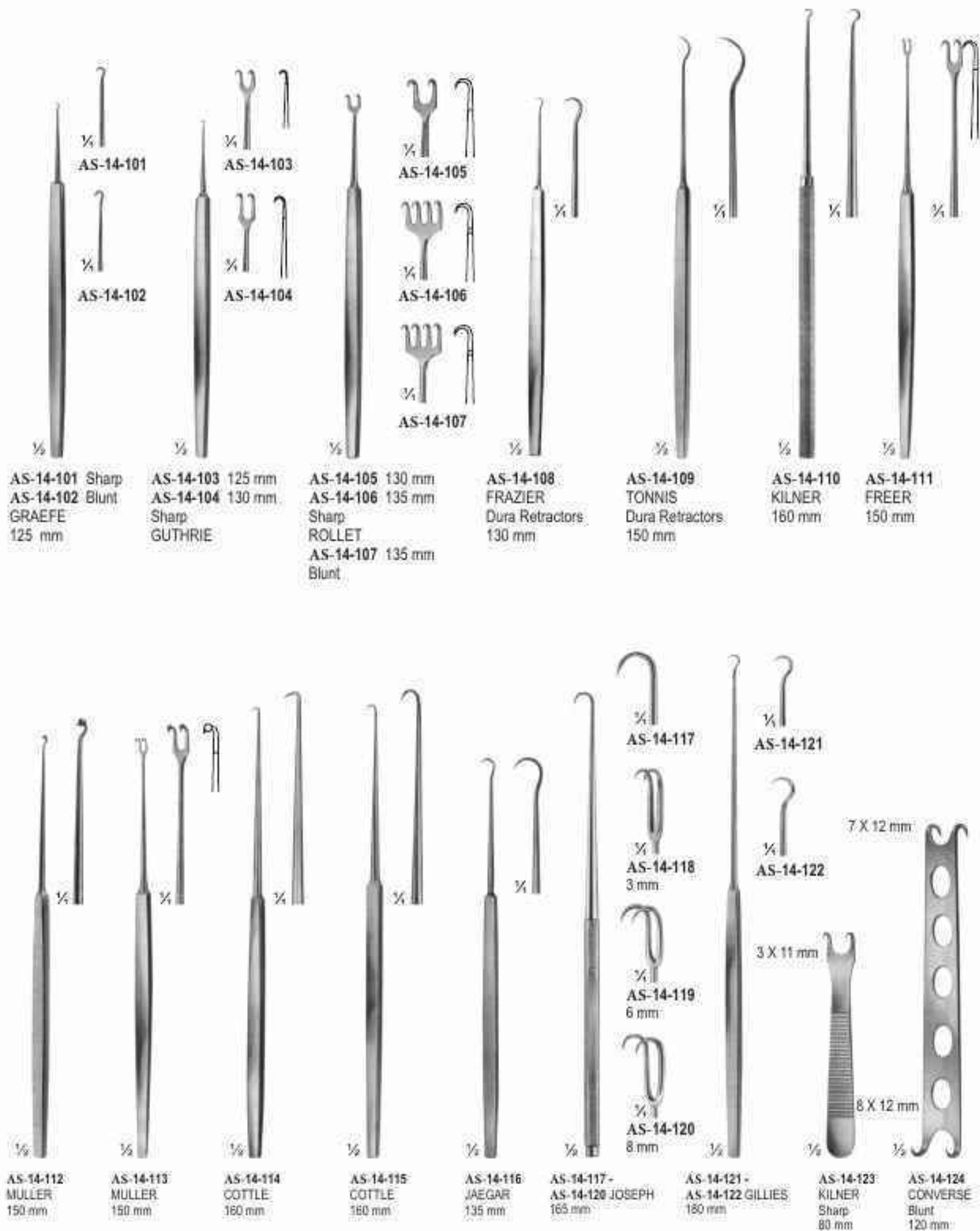
AS-13-217
95 X 35 mm

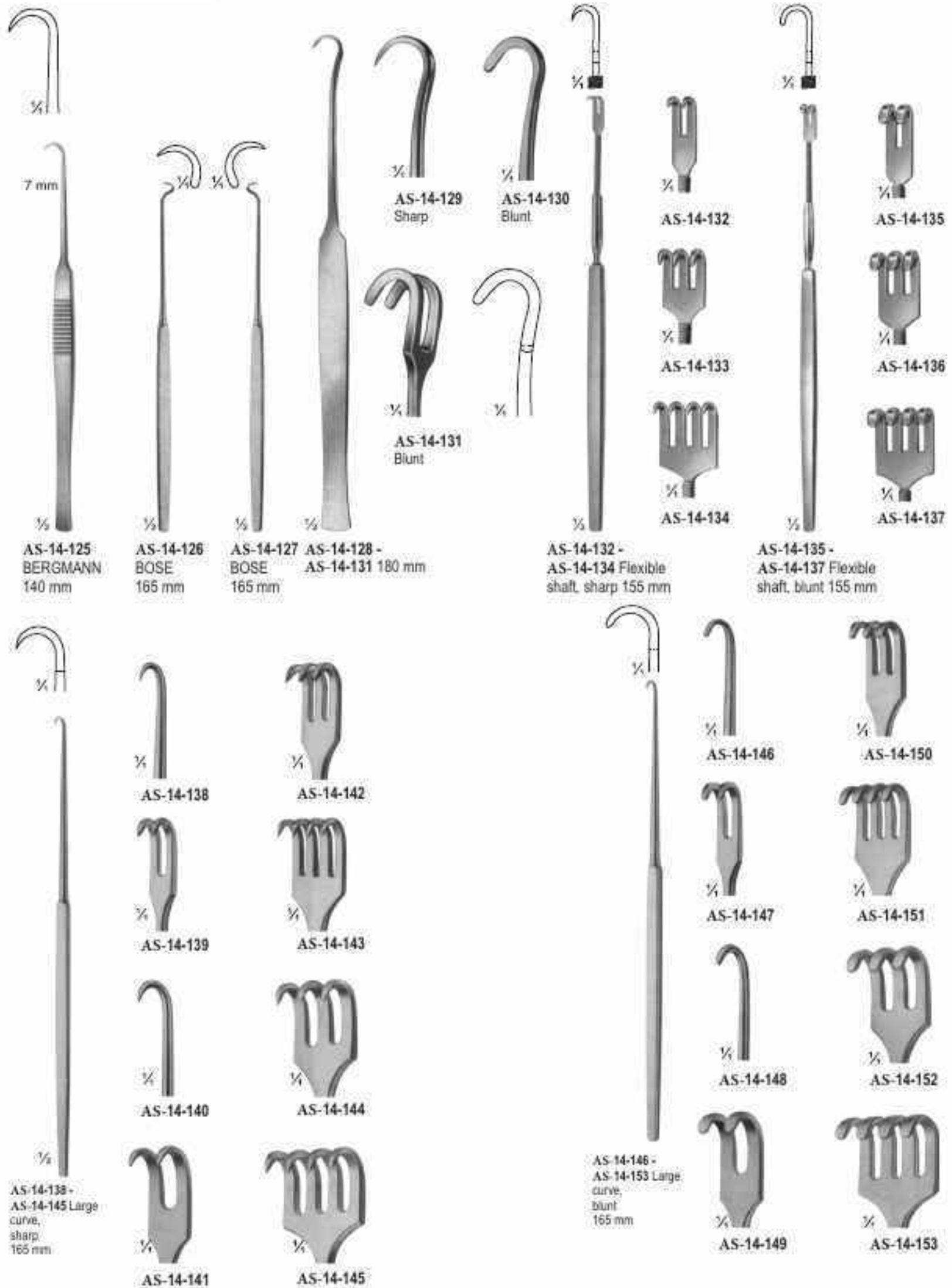
SCHERBACK
AS-13-210 -
AS-13-217 Set
consisting of:
2 handle
8 blades

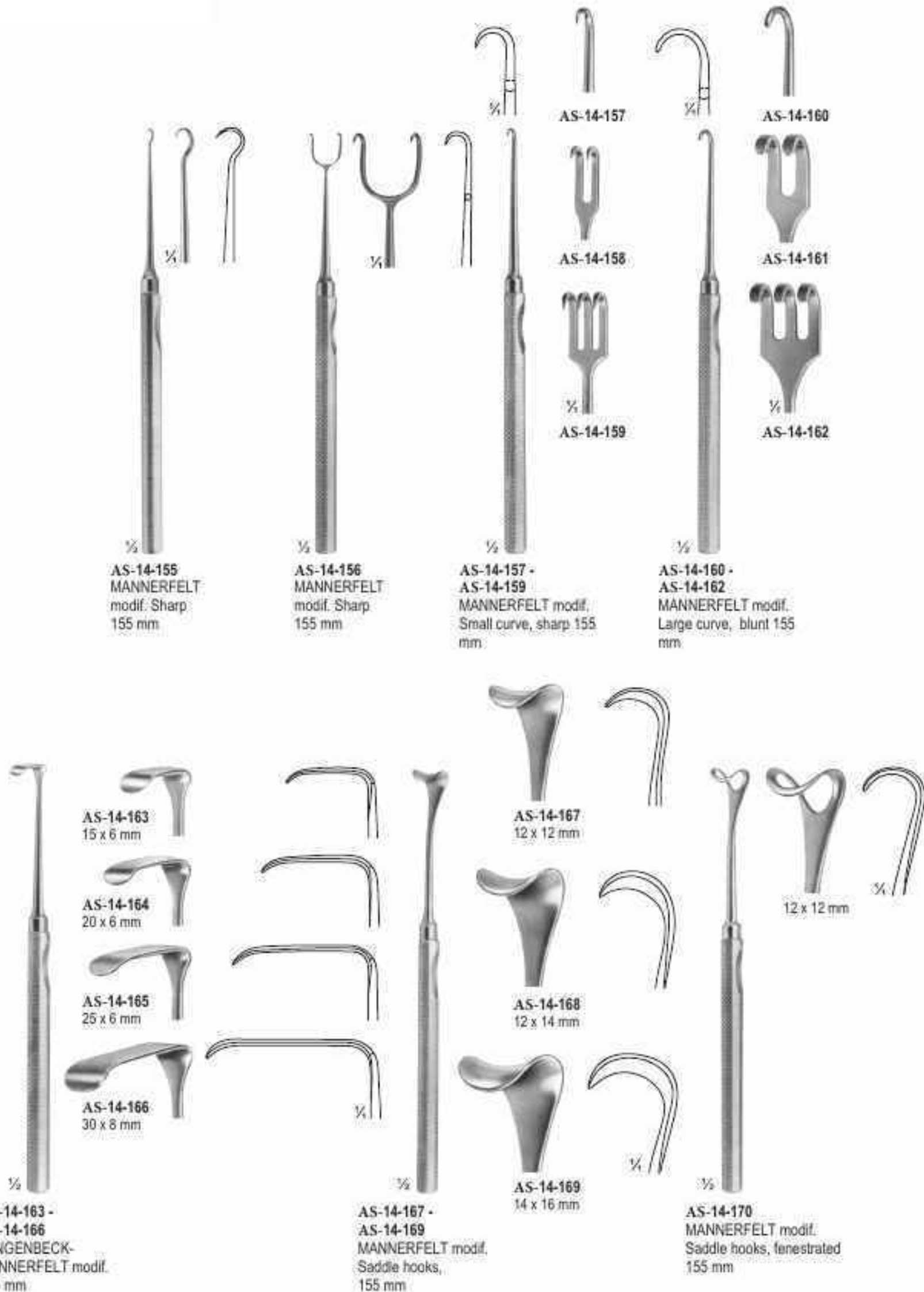


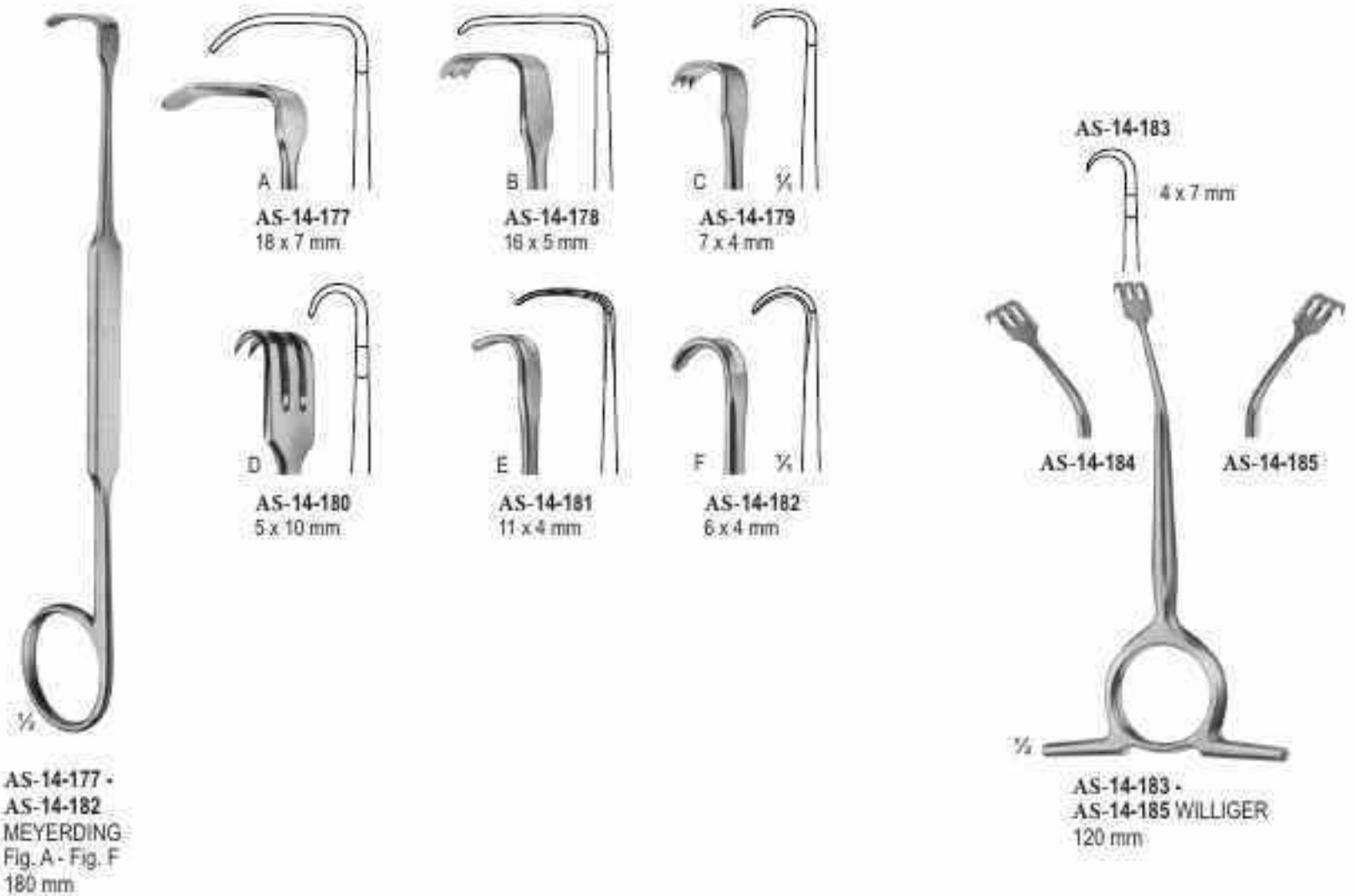
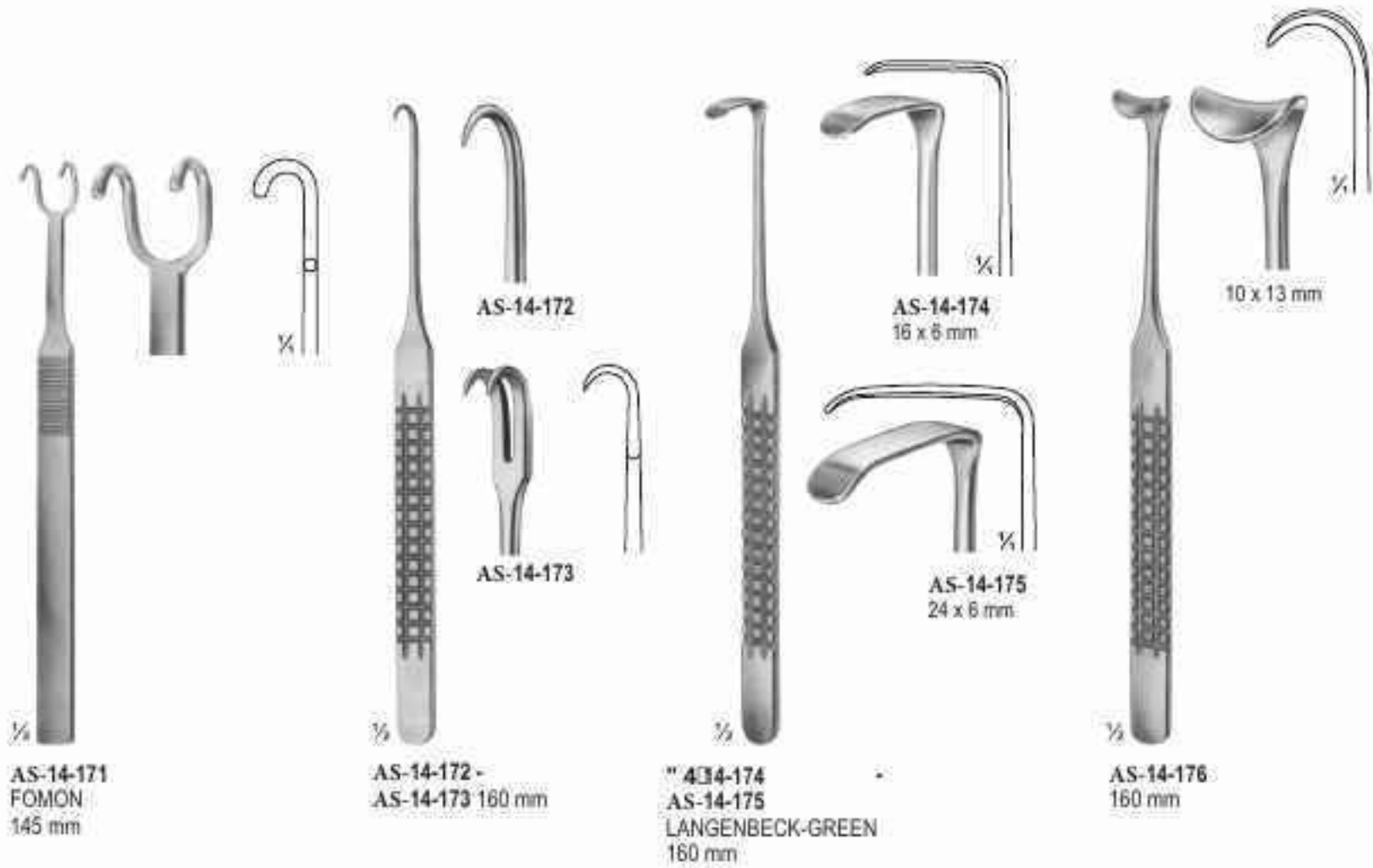
Page
254–288

- 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



12 x 6 mm

AS-14-190



12 x 11 mm

AS-14-191

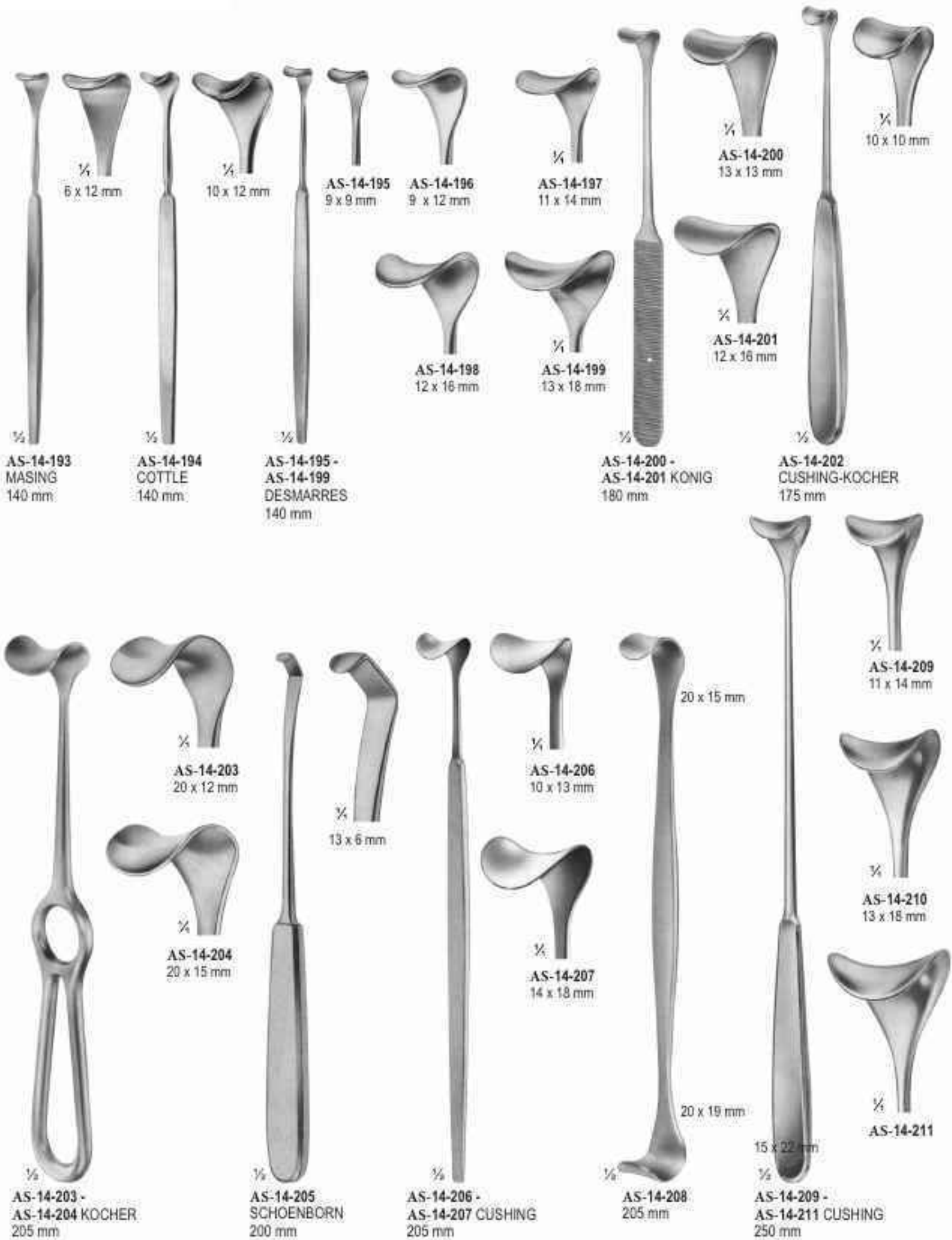
AS-14-190 -
AS-14-191 Tendon
hooks
175 mm

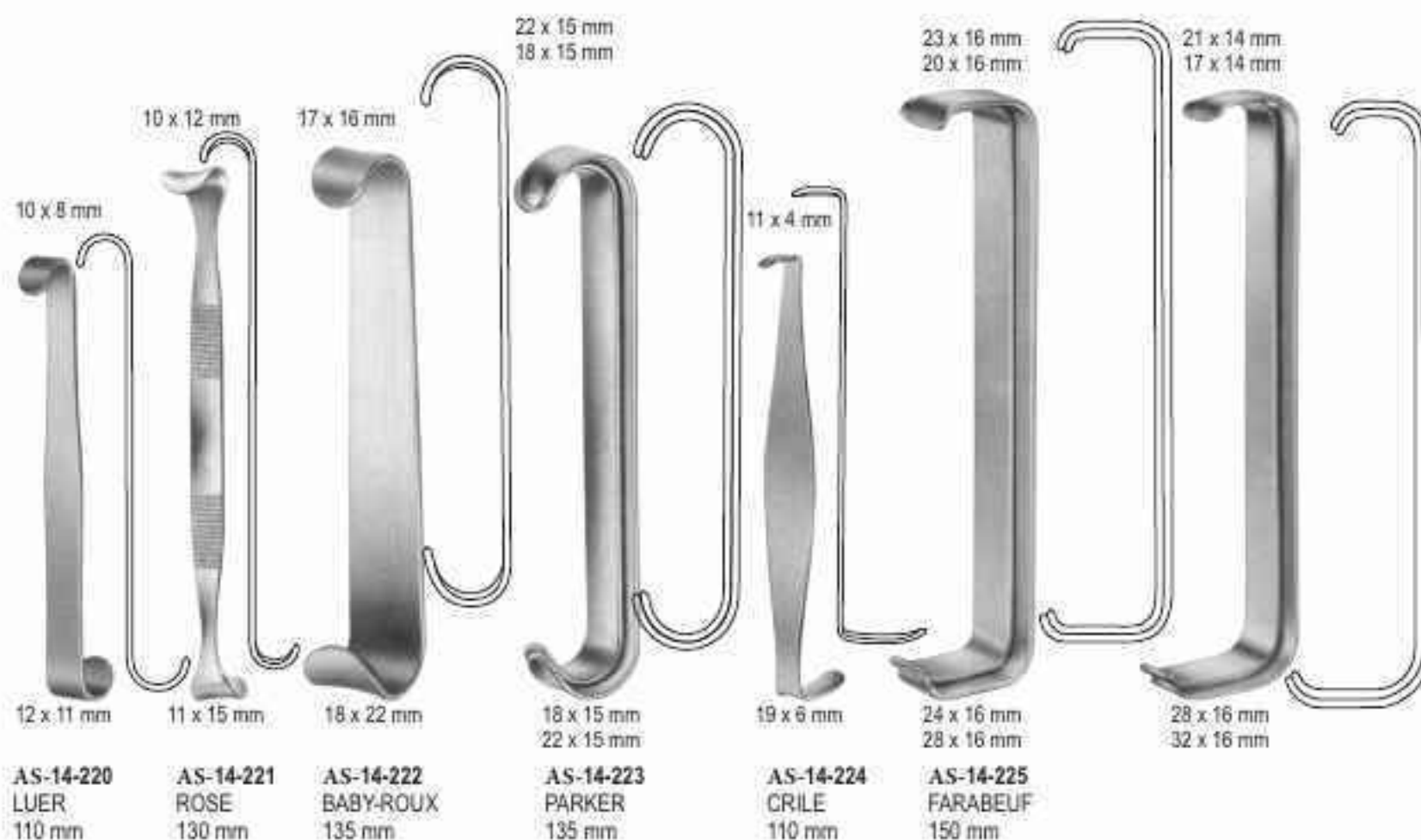
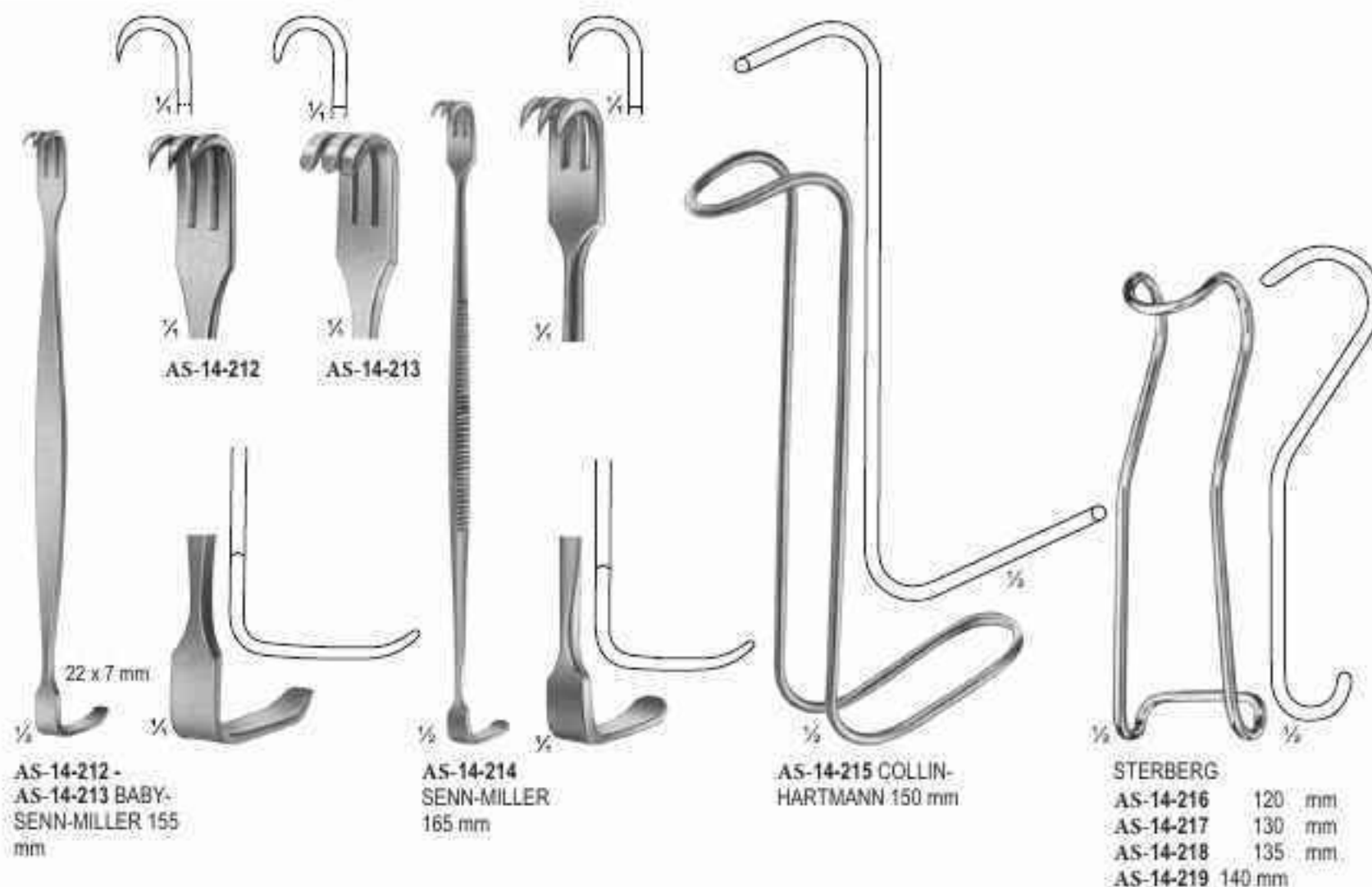


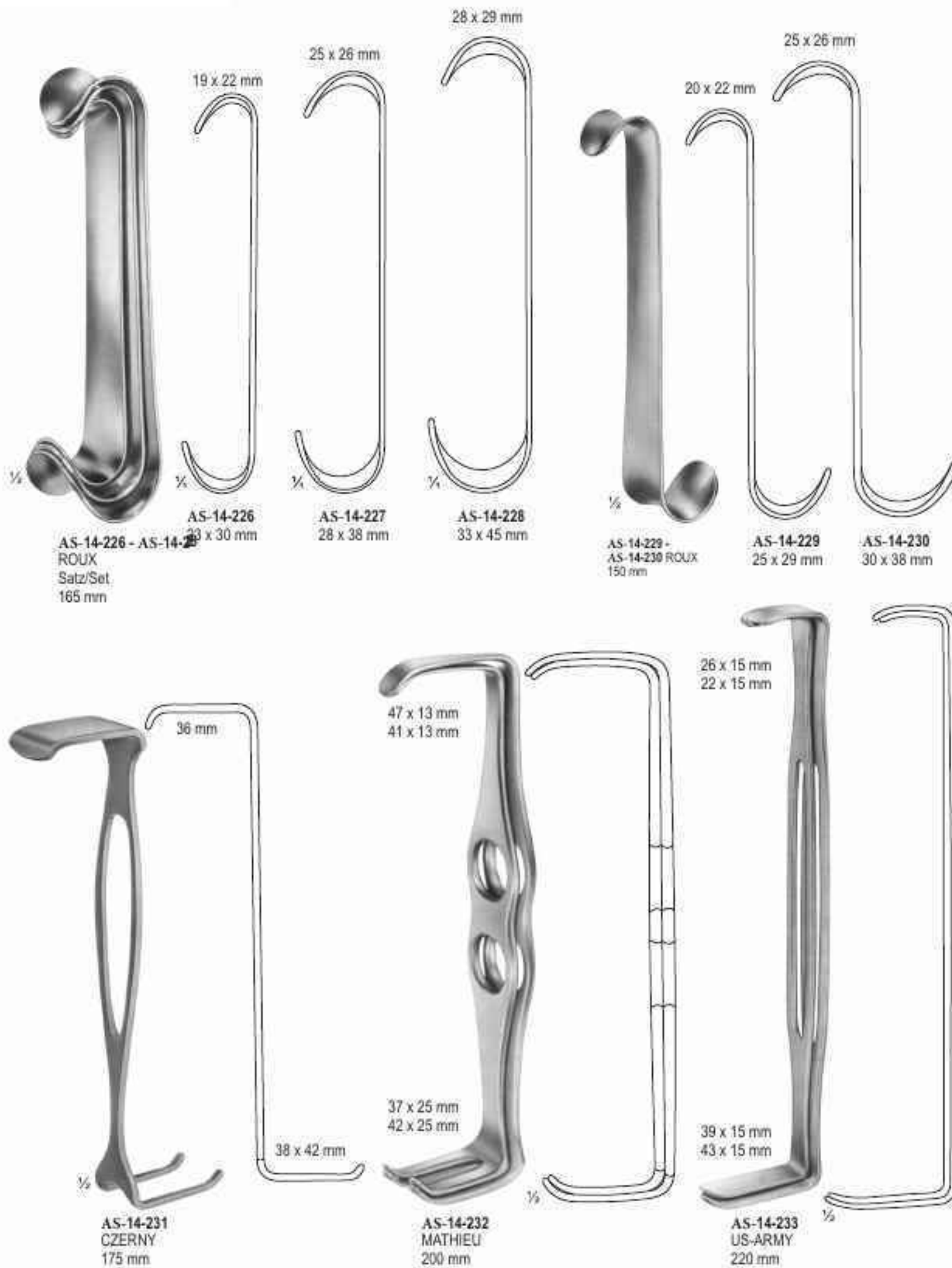
15 x 11 mm

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



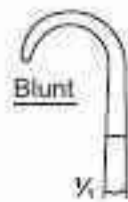
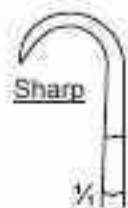
AS-14-237
VOLKMANN
Sharp
220 mm



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



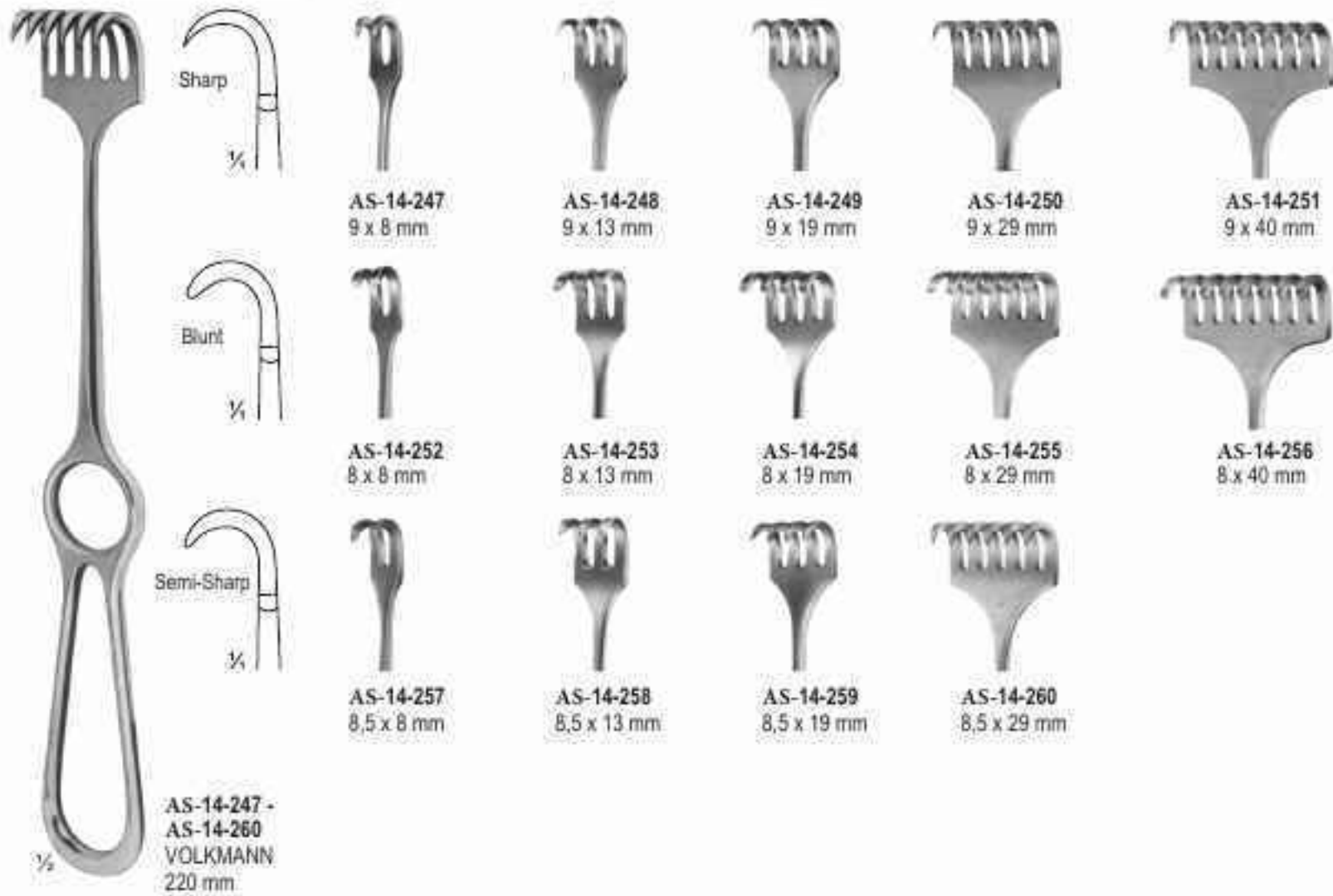
AS-14-244
8,5 x 13 mm



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



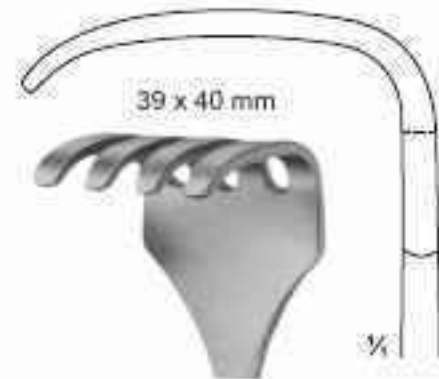
AS-14-269
8 Prongs, blunt



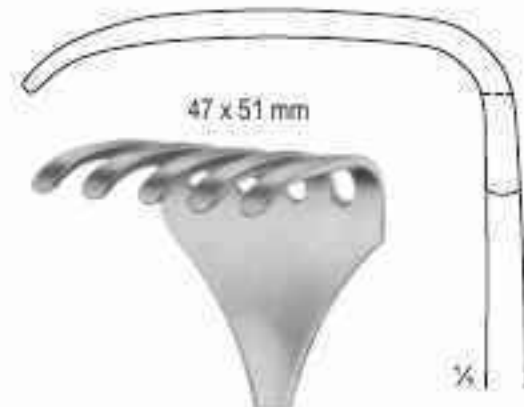
AS-14-270
8 Prongs, sharp



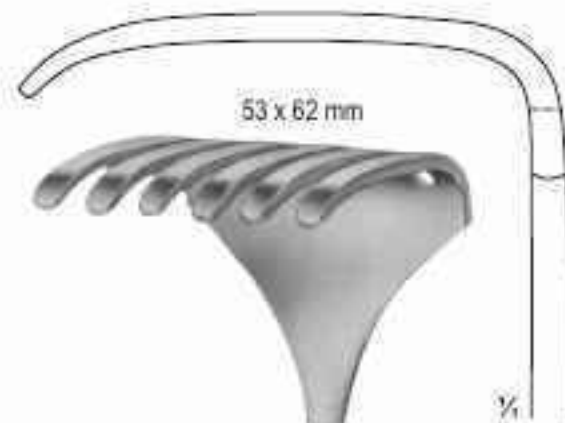
AS-14-271 -
AS-14-274 ISRAEL
255 mm



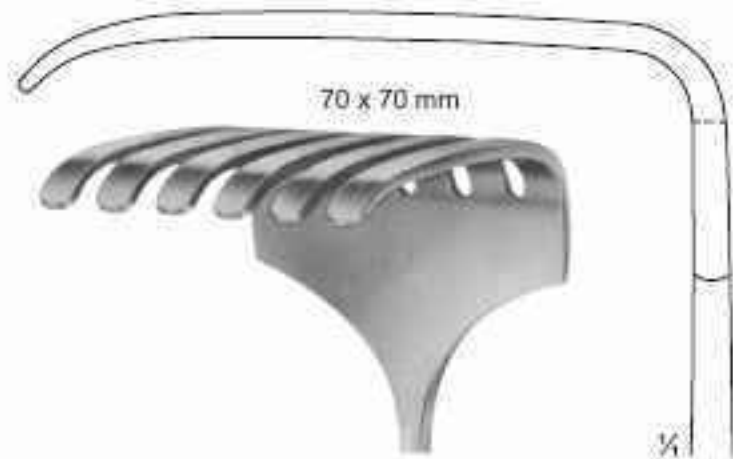
AS-14-271
4 Prongs, blunt



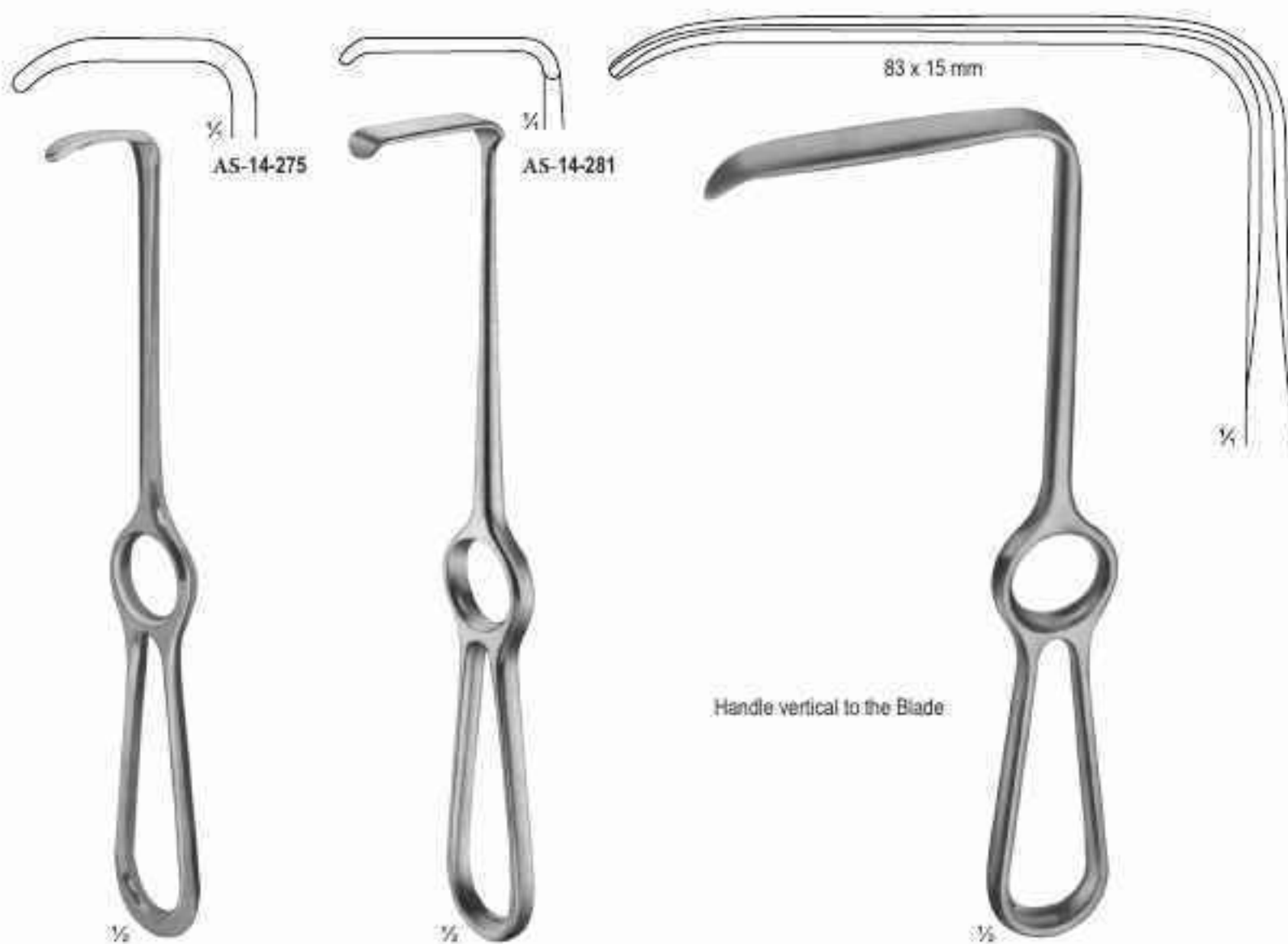
AS-14-272
5 Prongs, blunt



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



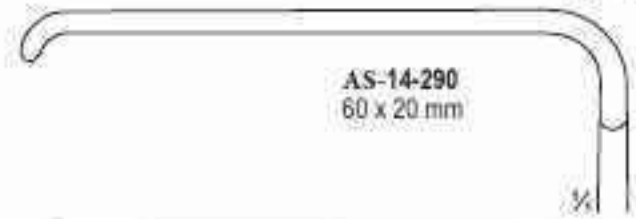
AS-14-289 -
AS-14-293 KOCHER
230 mm



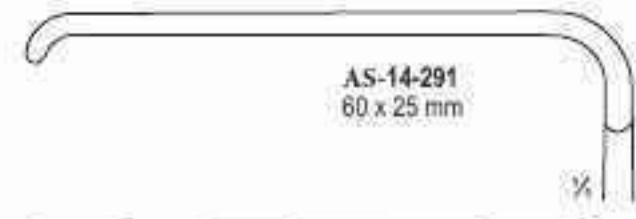
AS-14-294 -
AS-14-296
SAUERBRUCH
225 mm



AS-14-289
40 x 18 mm



AS-14-290
60 x 20 mm



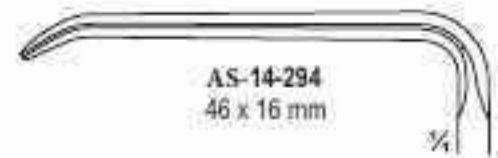
AS-14-291
60 x 25 mm



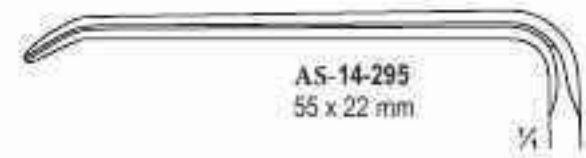
AS-14-292
75 x 30 mm



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
MIDDENDORPF



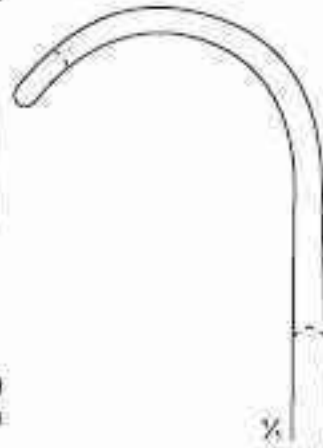
AS-14-297
15 x 15 mm
220 mm



AS-14-298
20 x 22 mm
215 mm



AS-14-299
28 x 28 mm
235 mm



67 x 17 mm



AS-14-301
CASPAR
210 mm



AS-14-300
BUCHS
205 mm



38 x 18 mm



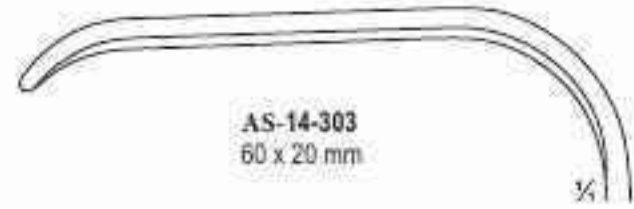
AS-14-302
KOCHER
230 mm



36 x 20 mm

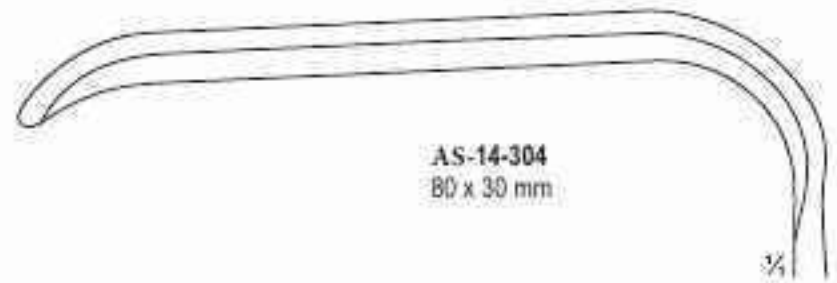


AS-14-303 -
AS-14-308 HOSEL
250 mm



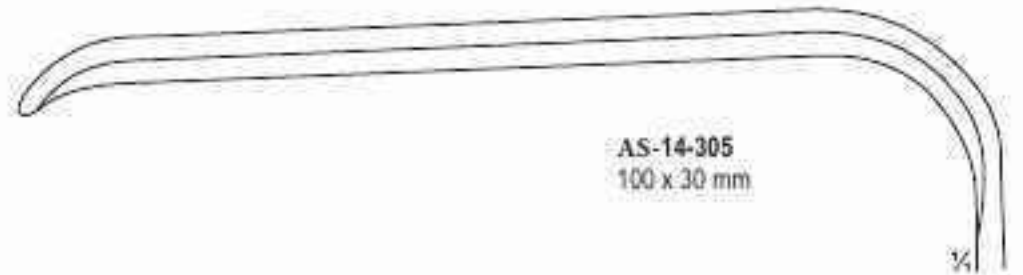
AS-14-303
60 x 20 mm

3/4



AS-14-304
80 x 30 mm

3/4



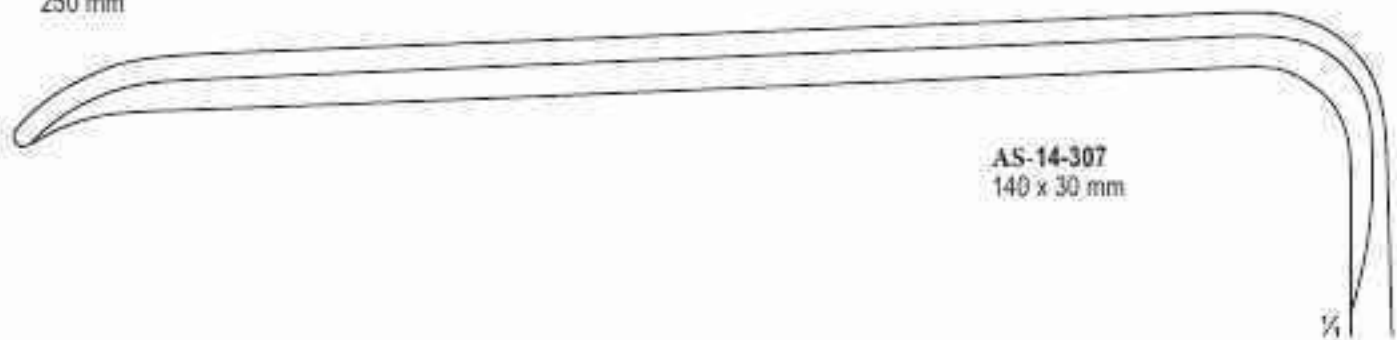
AS-14-305
100 x 30 mm

3/4



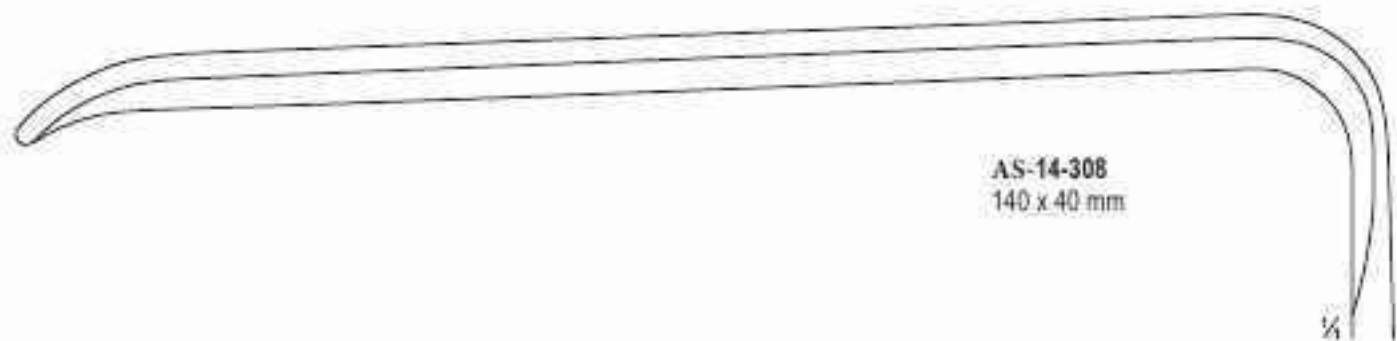
AS-14-306
120 x 30 mm

3/4



AS-14-307
140 x 30 mm

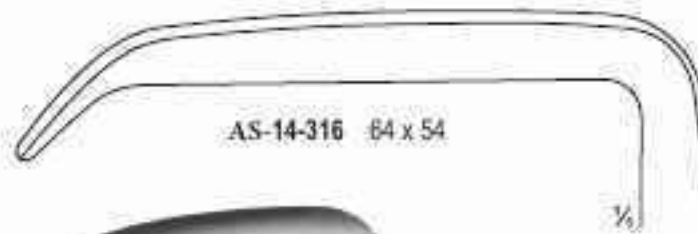
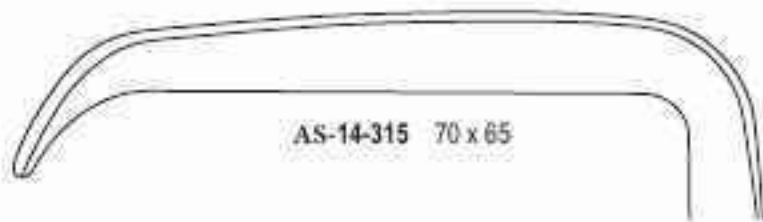
3/4



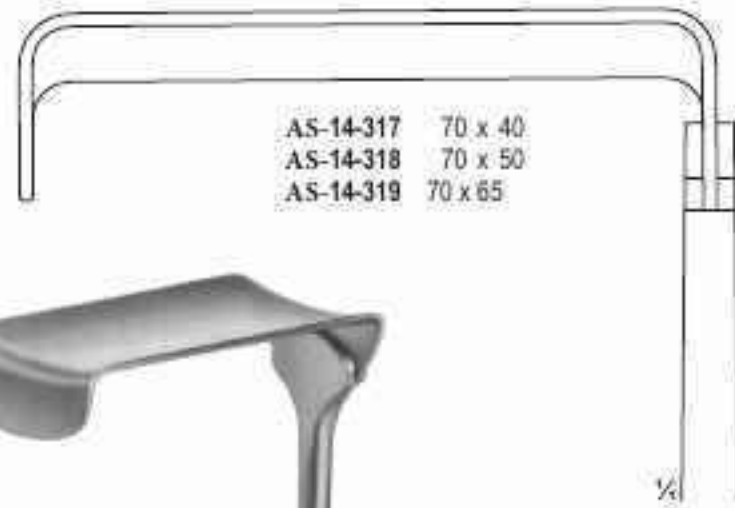
AS-14-308
140 x 40 mm

3/4





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



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





1/2

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



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

1/4



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



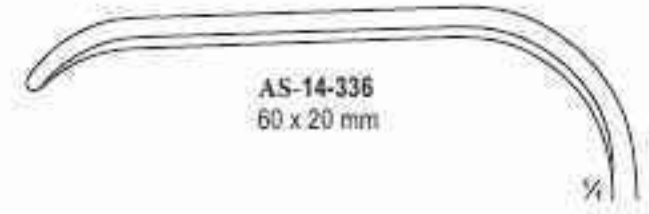
AS-14-334
285 mm
85 X 20 mm



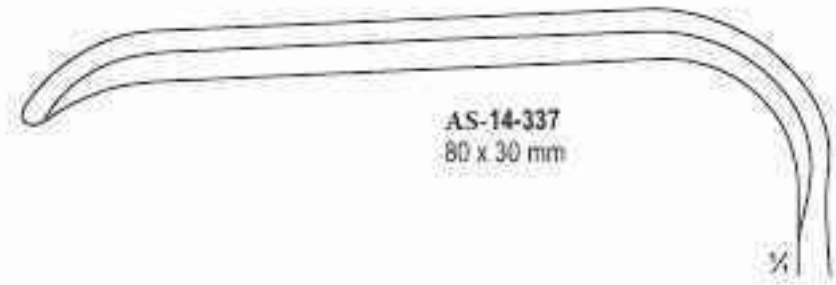
AS-14-335
305 mm
100 X 25 mm



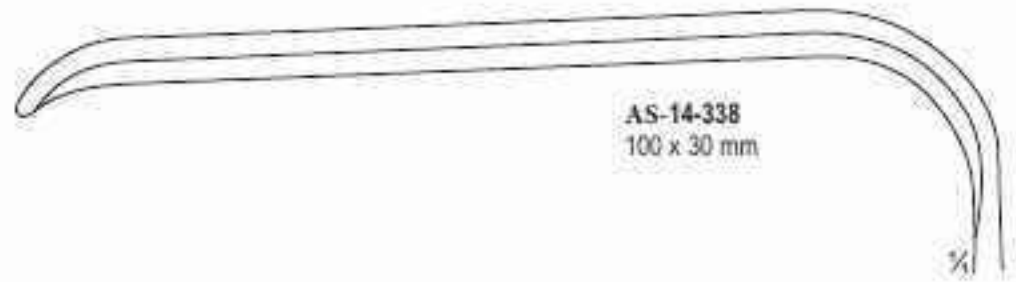
HOSEL
AS-14-336 -
AS-14-341 250 mm



AS-14-336
60 x 20 mm



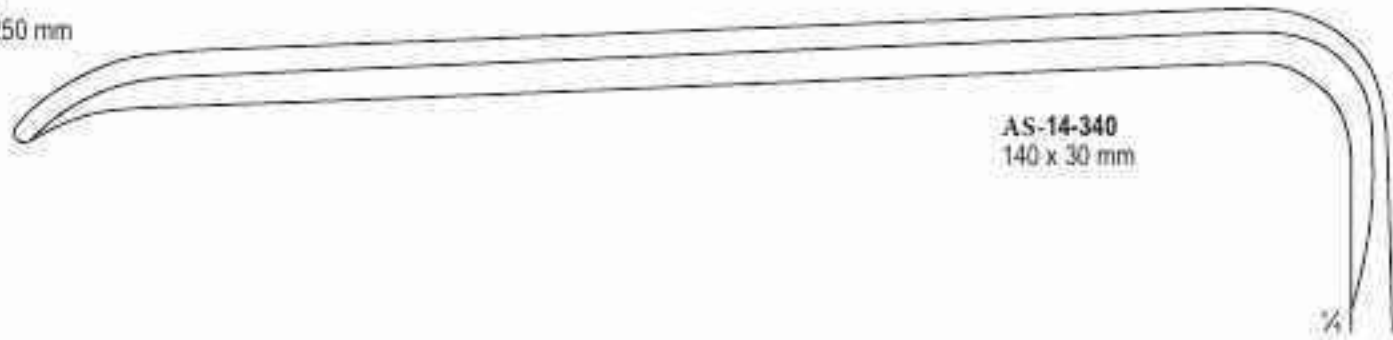
AS-14-337
80 x 30 mm



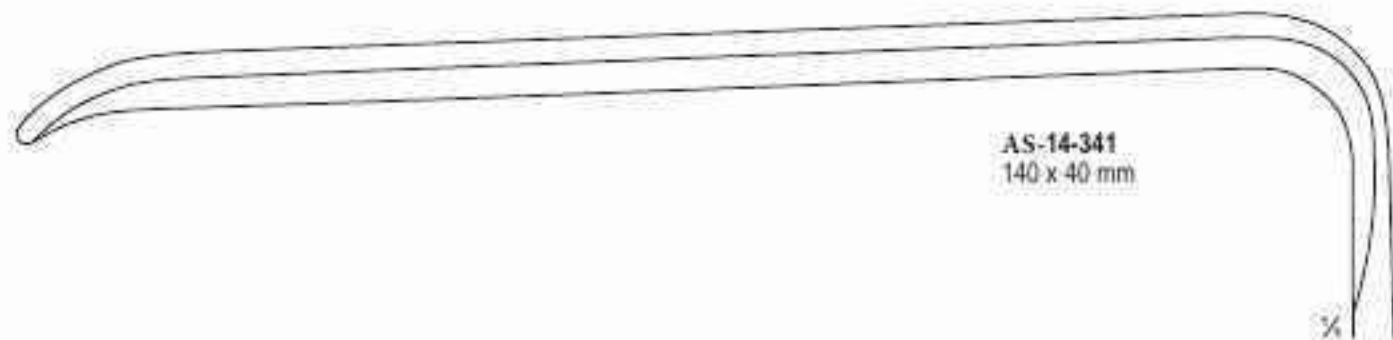
AS-14-338
100 x 30 mm



AS-14-339
120 x 30 mm



AS-14-340
140 x 30 mm

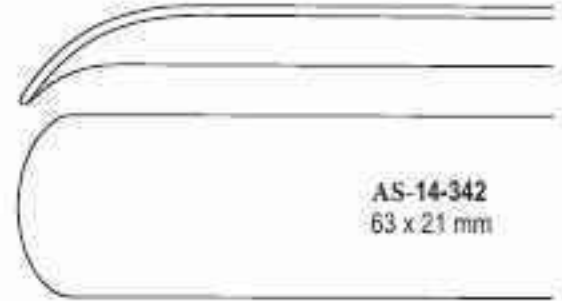


AS-14-341
140 x 40 mm



HÖSEL
AS-14-342 -
AS-14-347 260 mm

1/4



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

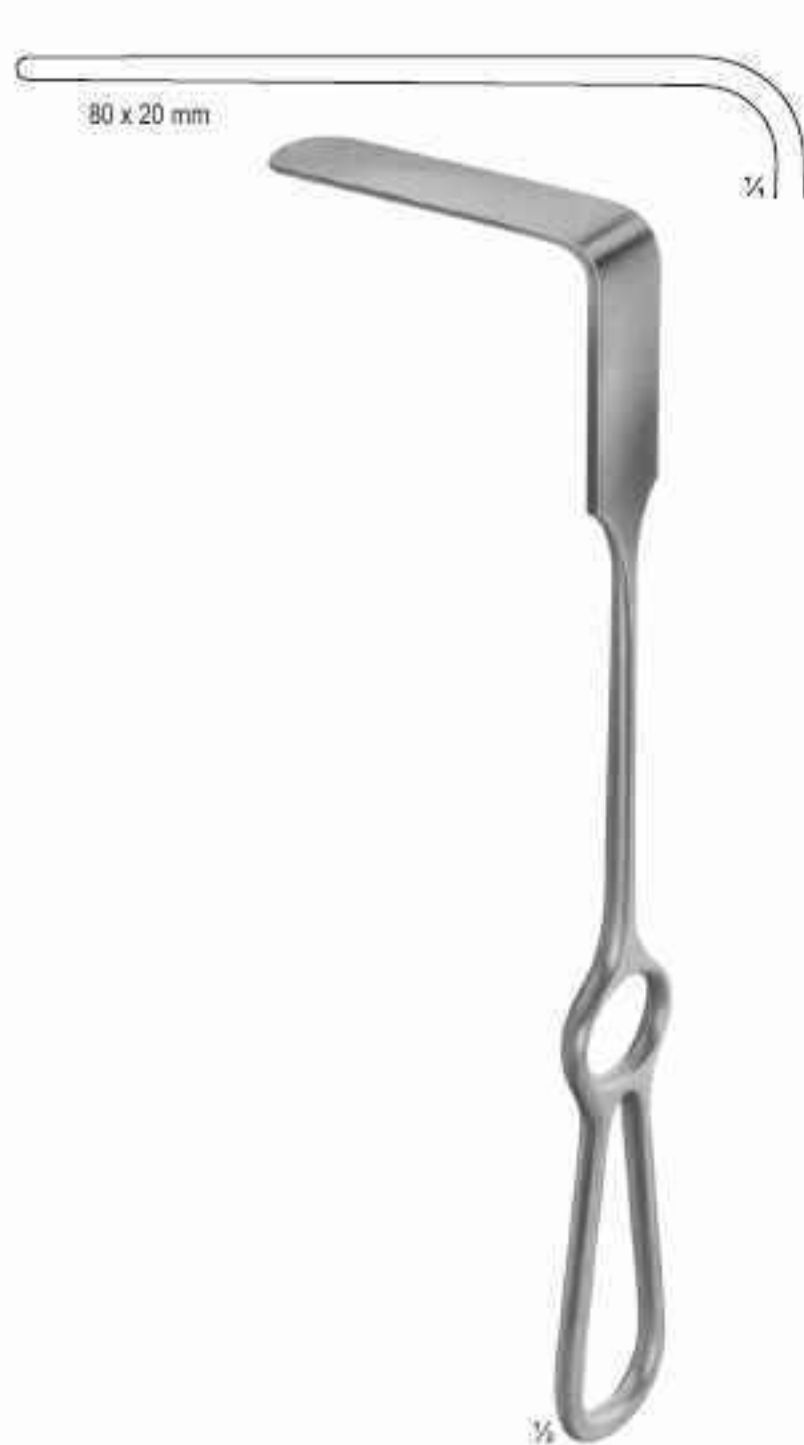


AS-14-349
270 mm
52 X 50 mm



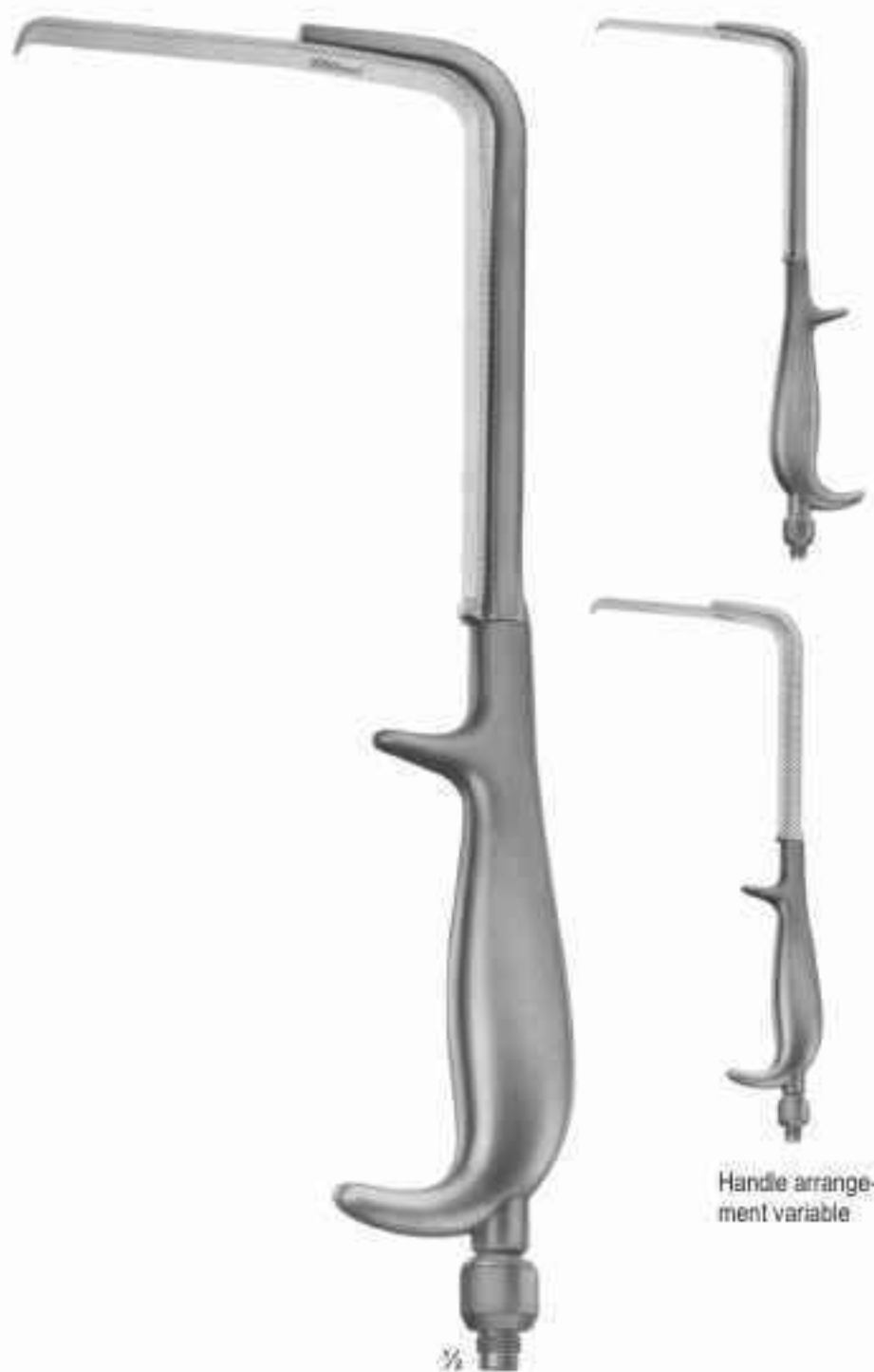
AS-14-350
280 mm
52 X 70 mm





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

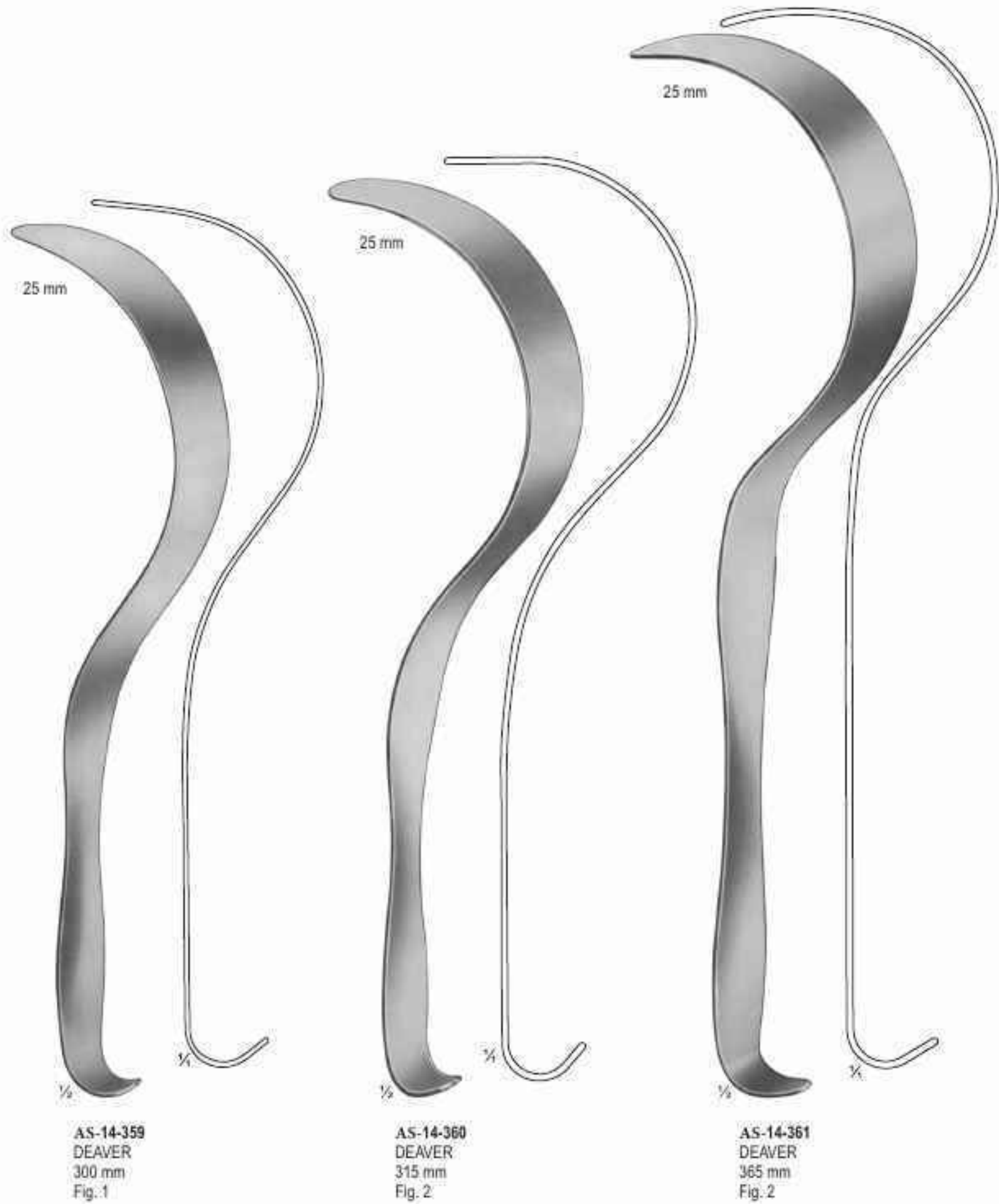




Fig. 3
DEAVER
AS-14-362
300 mm

Fig. 4
DEAVER
AS-14-363
310 mm

Fig. 5
DEAVER
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

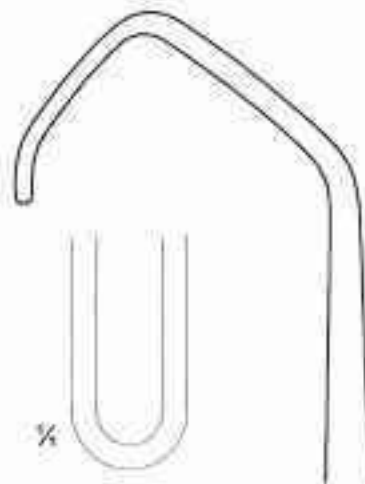


8 X 4.5 mm

15 X 5.5 mm



CUSHING
AS-14-385
205 mm



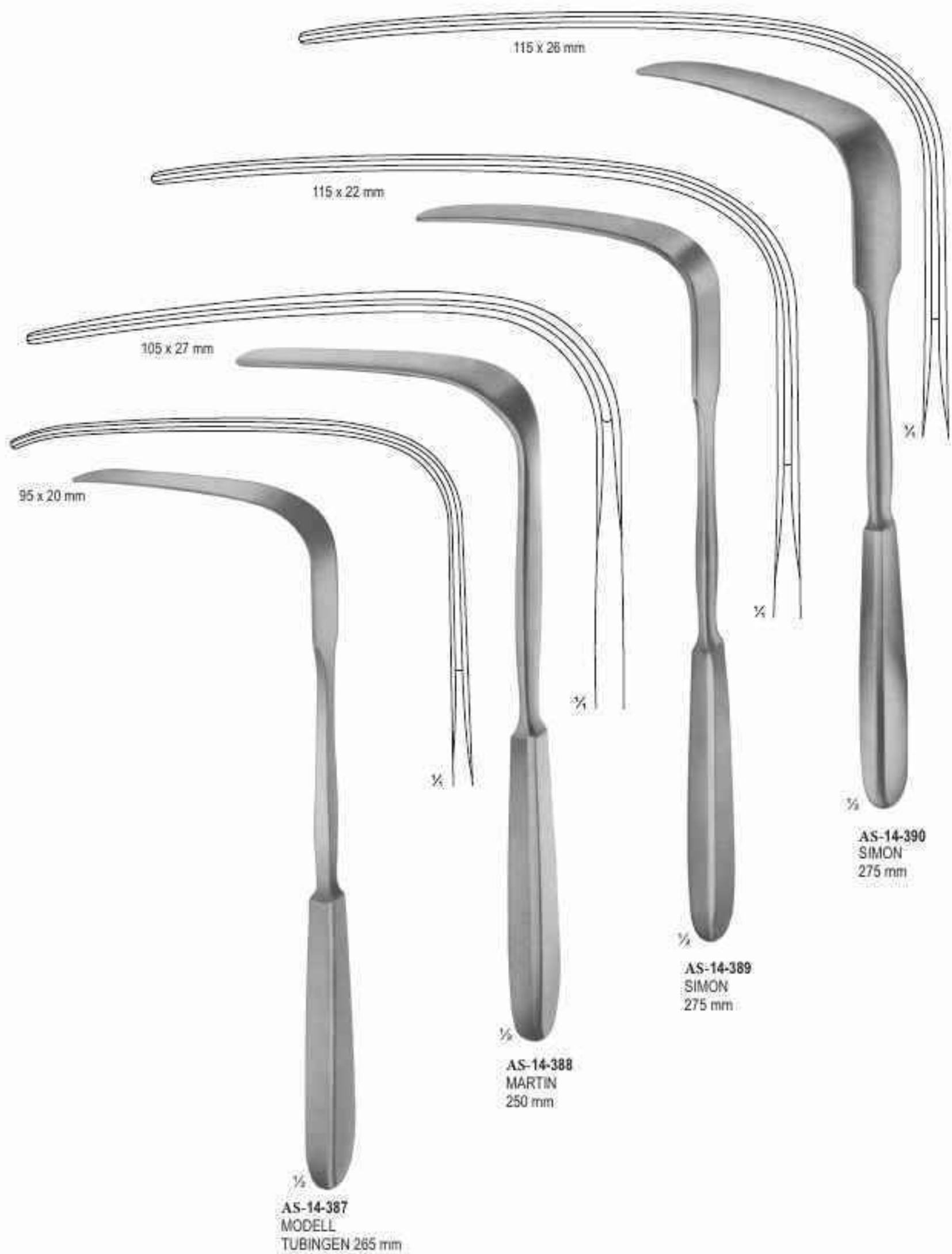
1/4

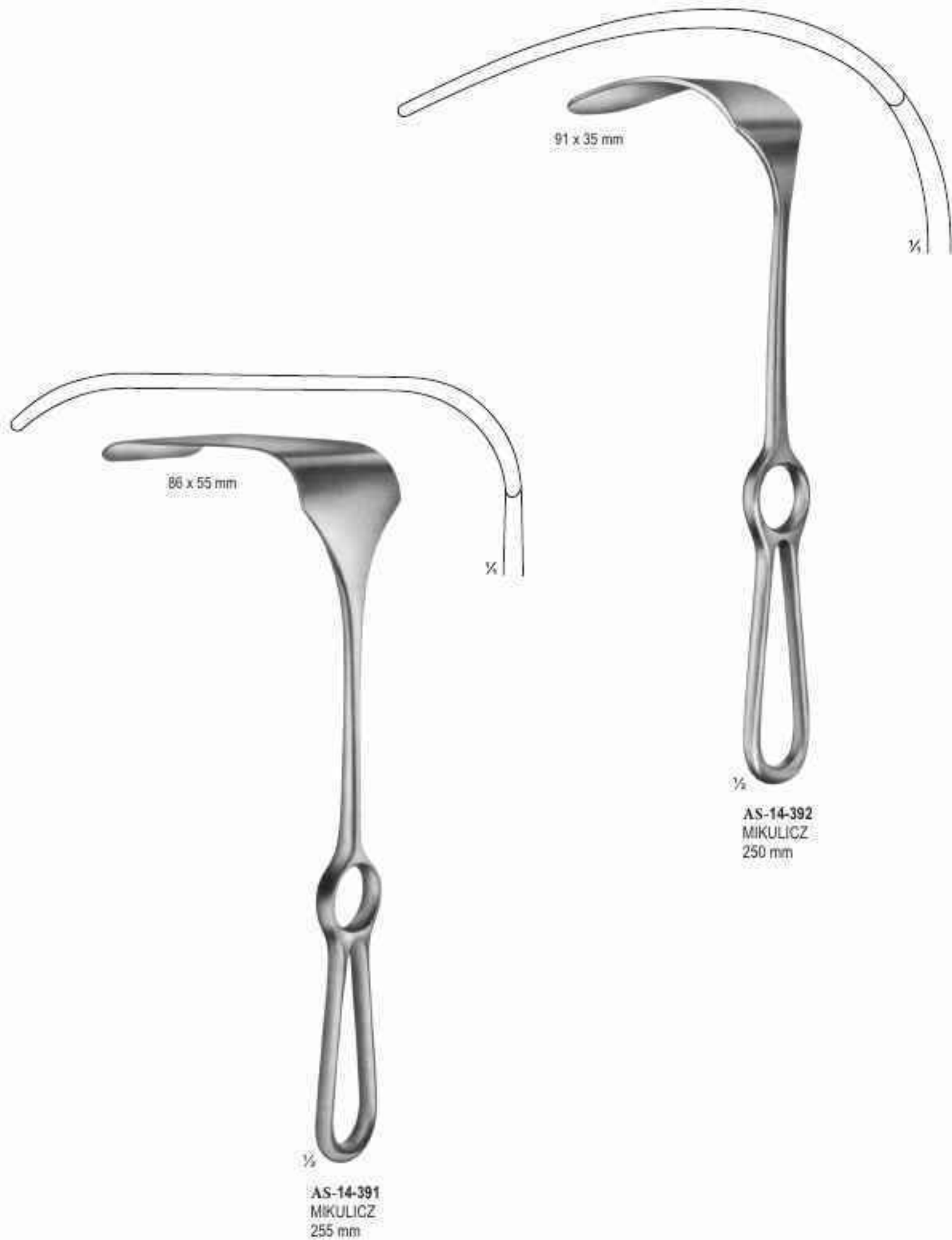
19 x 15 mm
19 x 15 mm



22 x 15 mm
22 x 15 mm
PARKER
AS-14-386
140 mm





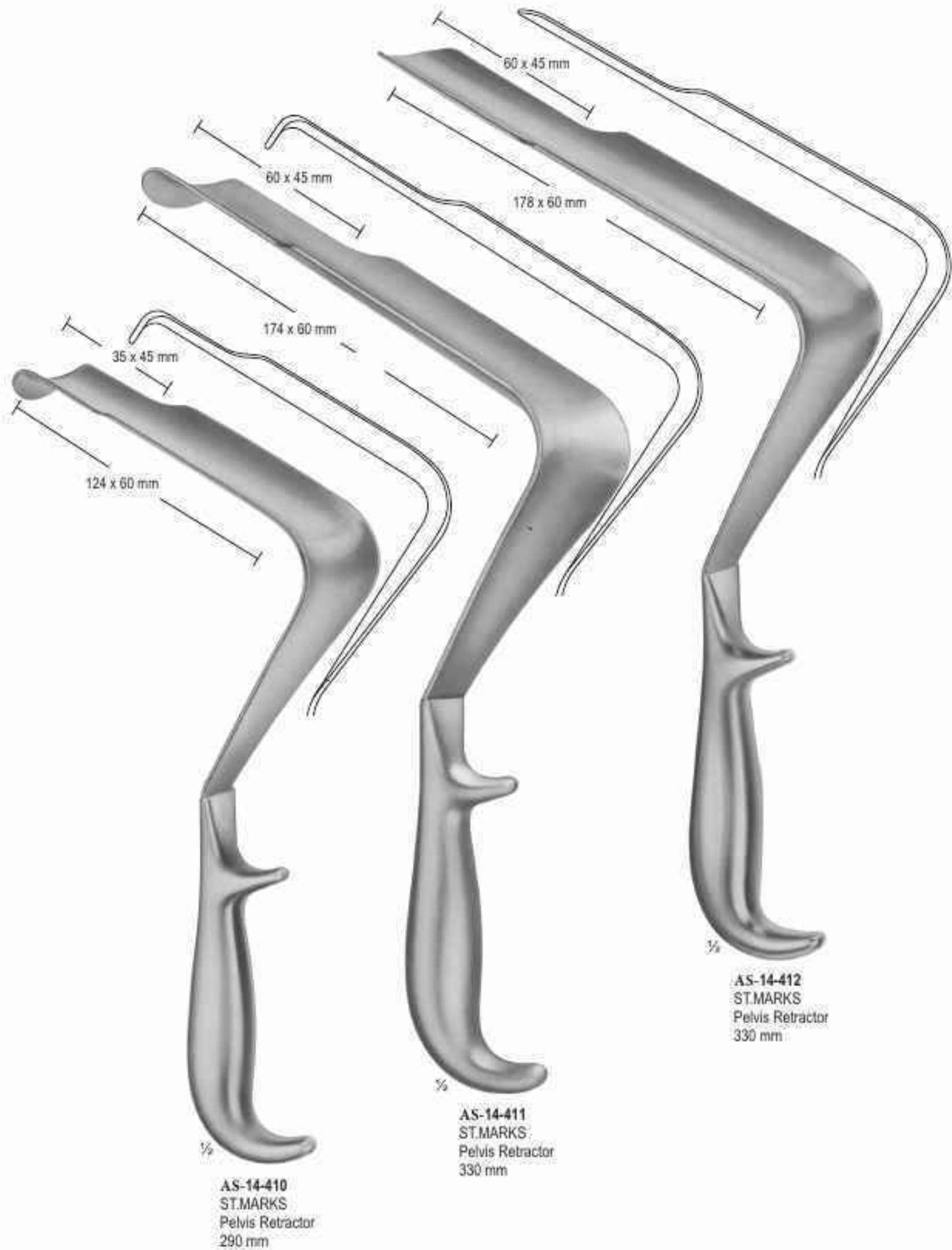




Width of Blades
35 mm, 45 mm, 60 mm

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





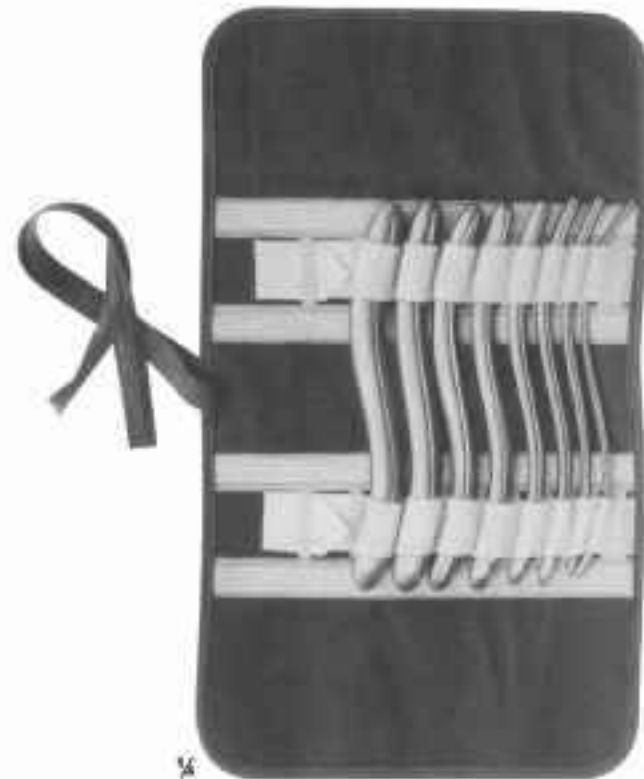
AS-15-101 -
AS-15-143 HEGAR
with very conical point
185 mm

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	1/4mm
AS-15-106	6	mm	AS-15-128	2	1/4mm
AS-15-107	7	mm	AS-15-129	3	1/4mm
AS-15-108	8	mm	AS-15-130	4	1/4mm
AS-15-109	9	mm	AS-15-131	5	1/4mm
AS-15-110	10	mm	AS-15-132	6	1/4mm
AS-15-111	11	mm	AS-15-133	7	1/4mm
AS-15-112	12	mm	AS-15-134	8	1/4mm
AS-15-113	13	mm	AS-15-135	9	1/4mm
AS-15-114	14	mm	AS-15-136	10	1/4mm
AS-15-115	15	mm	AS-15-137	11	1/4mm
AS-15-116	16	mm	AS-15-138	12	1/4mm
AS-15-117	17	mm	AS-15-139	13	1/4mm
AS-15-118	18	mm	AS-15-140	14	1/4mm
AS-15-119	19	mm	AS-15-141	15	1/4mm
AS-15-120	20	mm	AS-15-142	16	1/4mm
AS-15-121	21	mm	AS-15-143	17	1/4mm
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.

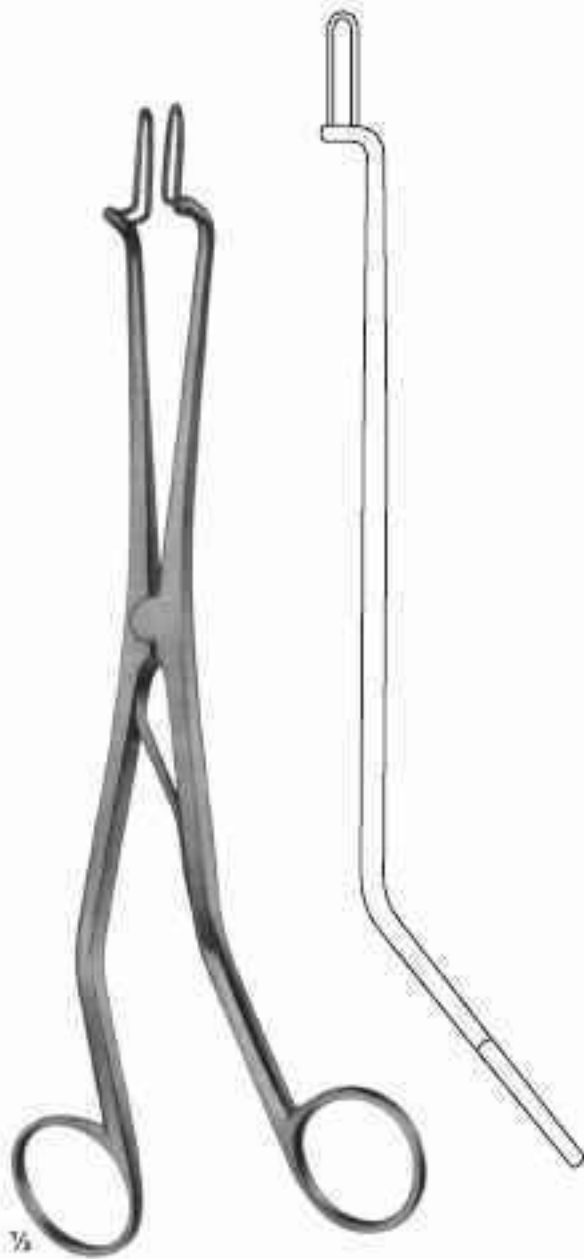
COMPLETE SETS



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



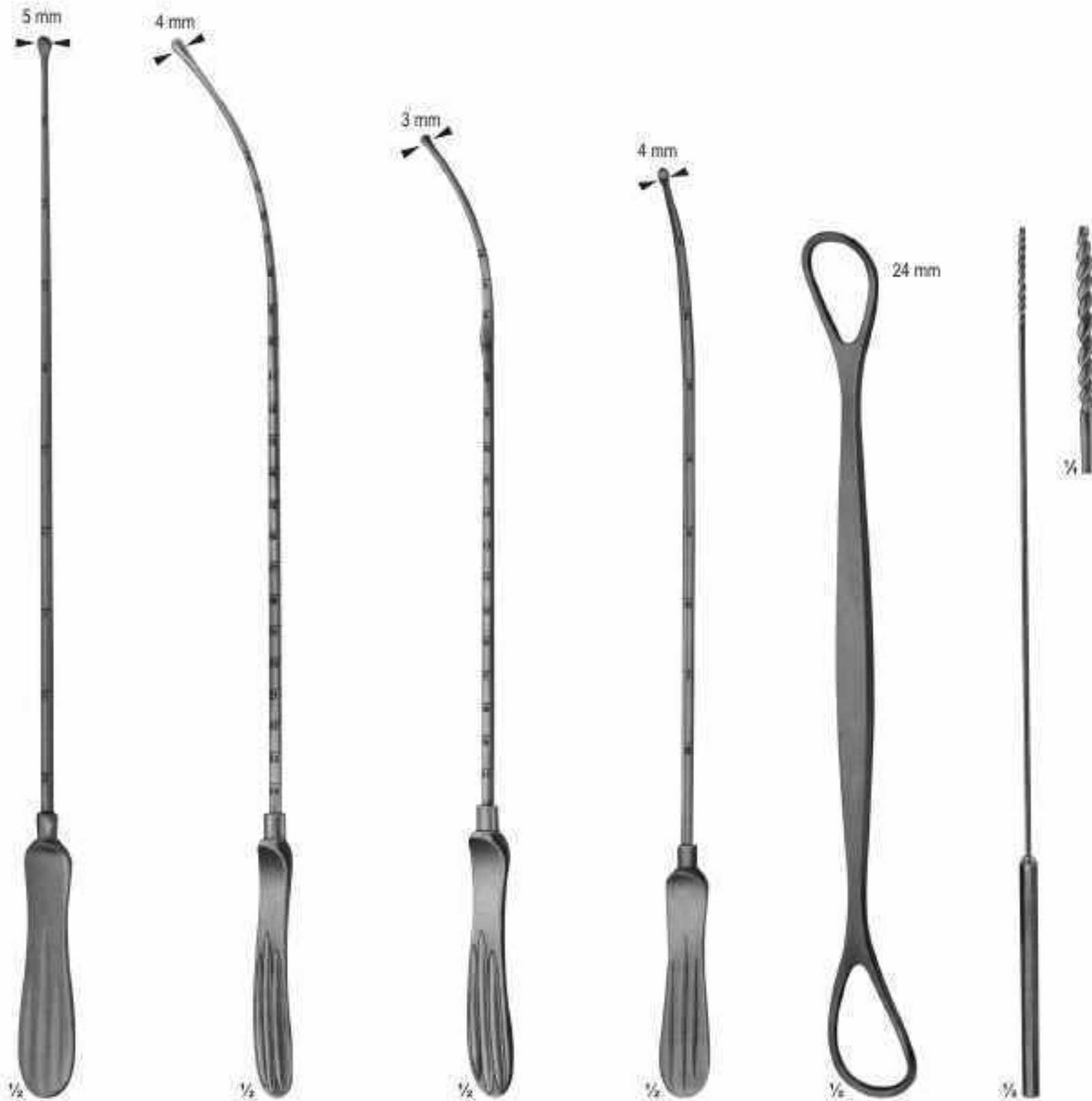
AS-15-155
HEGAR
Dilator set consisting of:
26 Dilators,
1 Rack for dilators (1 - 17 mm)
1 Rack for Dilators (18 - 26 mm)
1 Metal case only,
with hinged lid, aluminium 330 X 220 X 80 mm



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

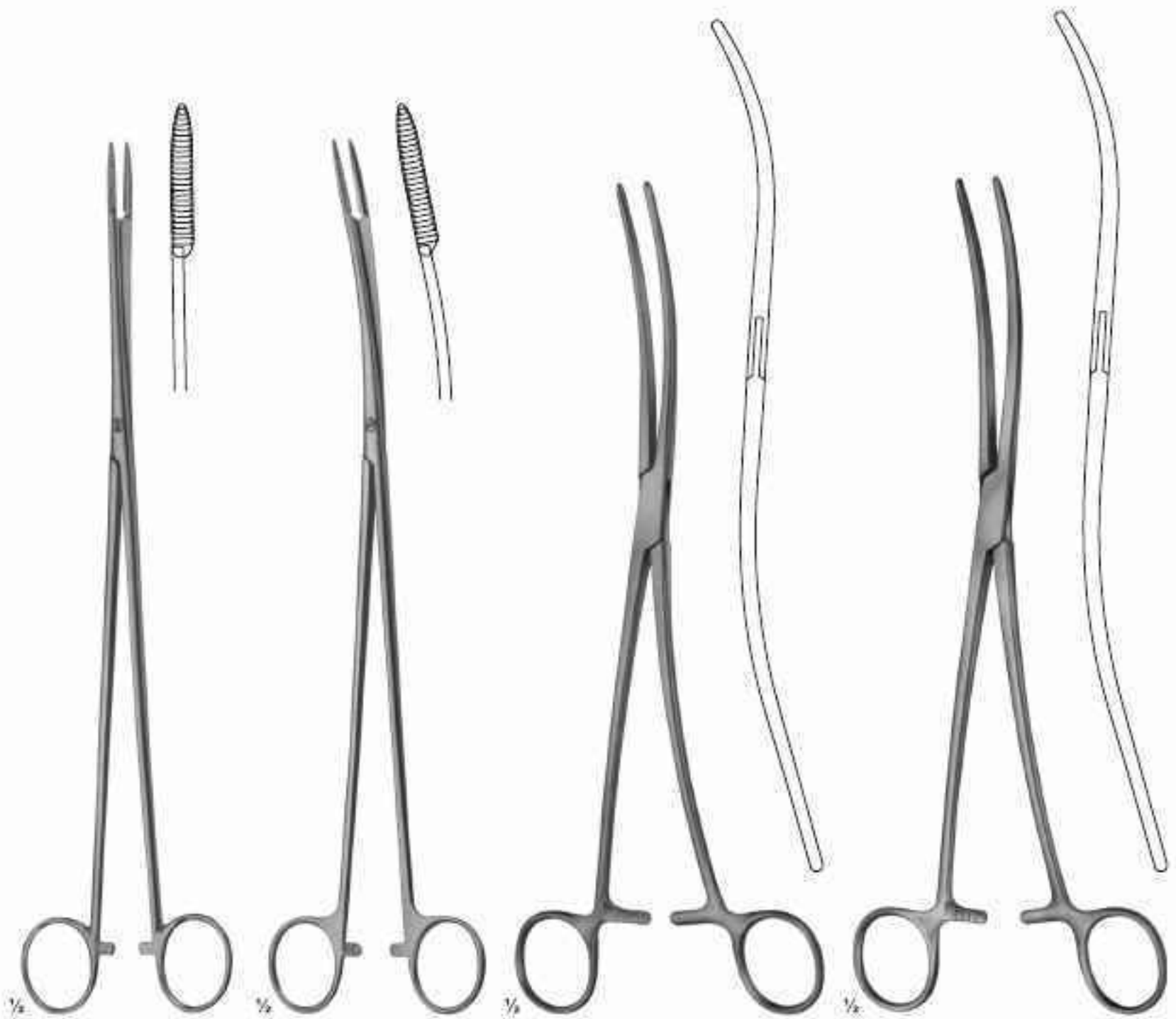
AS-15-159
SIMS
biegsam malleable
330 mm

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



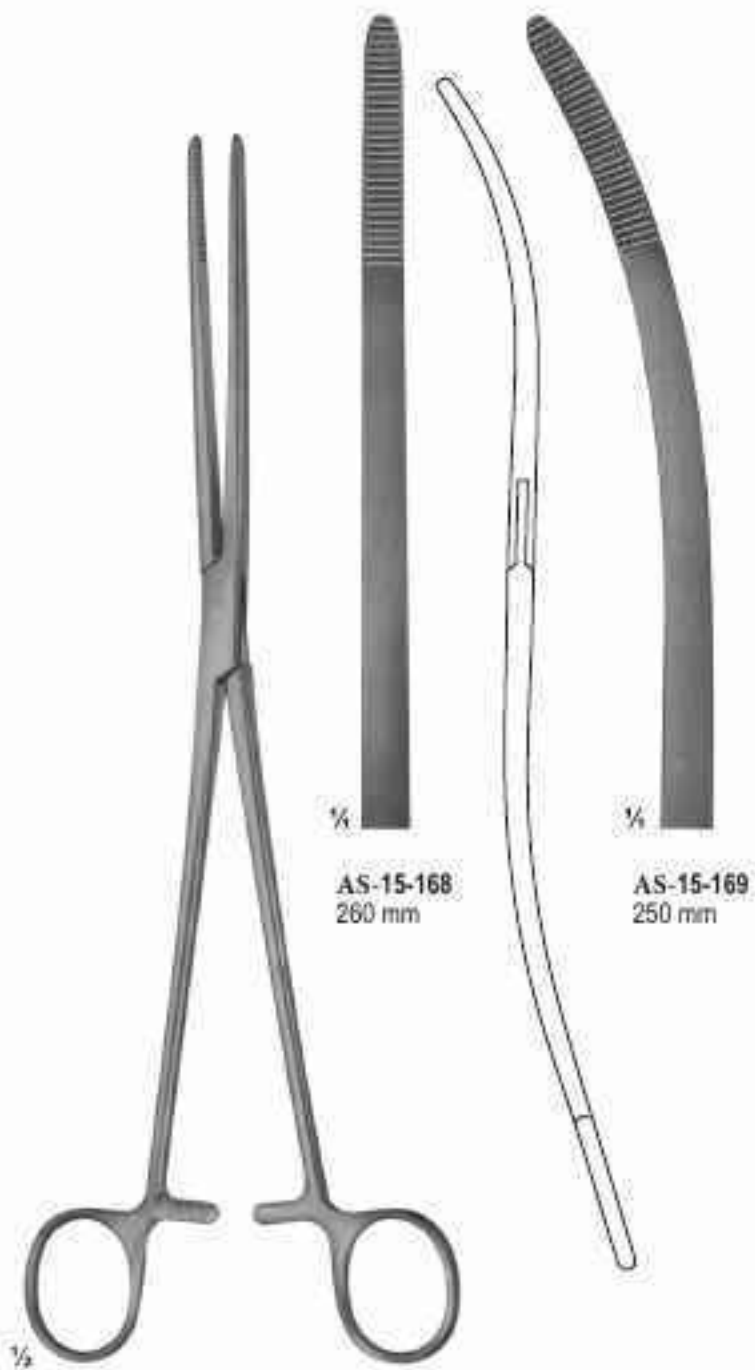
AS-15-164
PELMANN
260 mm

AS-15-165
PELMANN
260 mm

AS-15-166
BOZEMANN
250 mm

AS-15-167
BOZEMANN
255 mm

Jaws with longitudinal groove



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



AS-15-170
BOZEMANN-DOUGLAS
260 mm



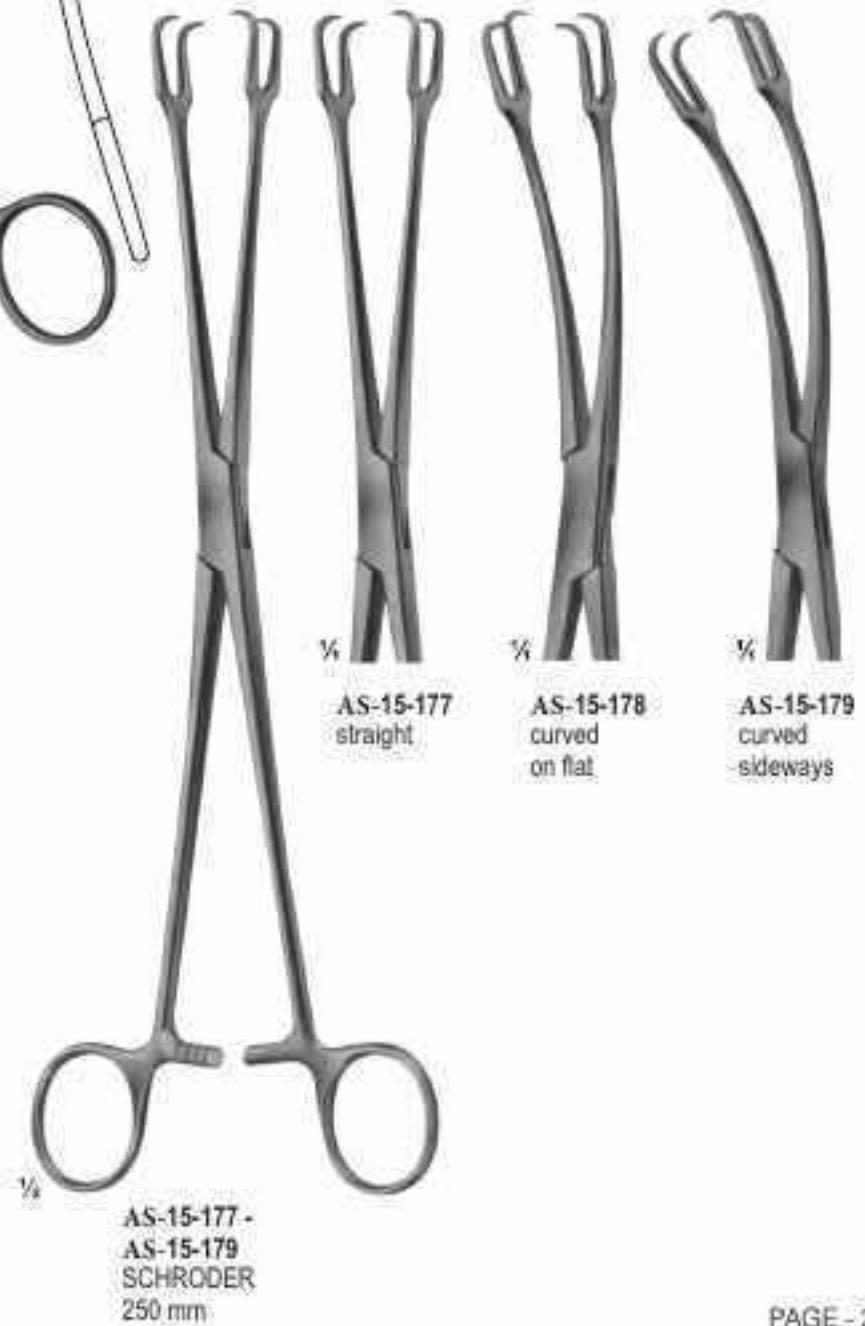
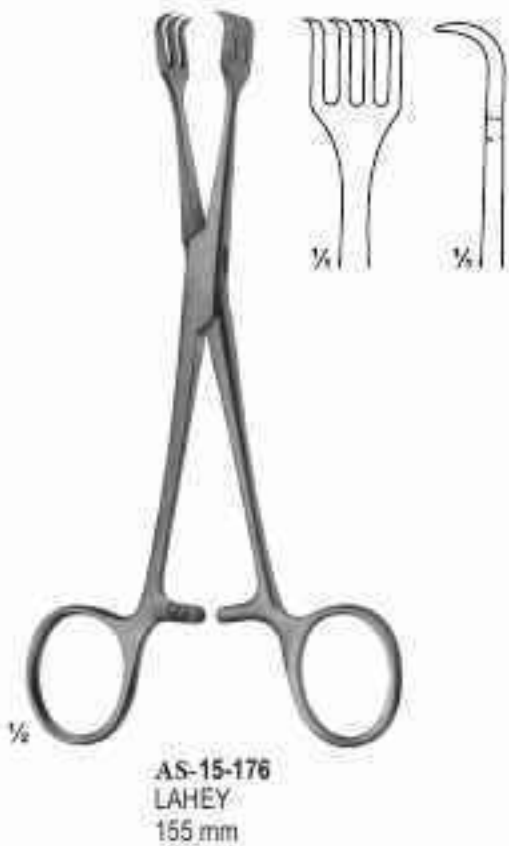
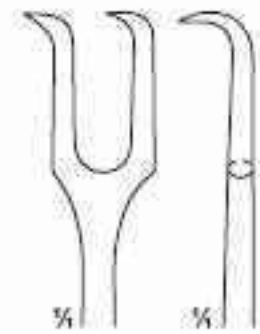
AS-15-171
BRAUN
slender type
250 mm

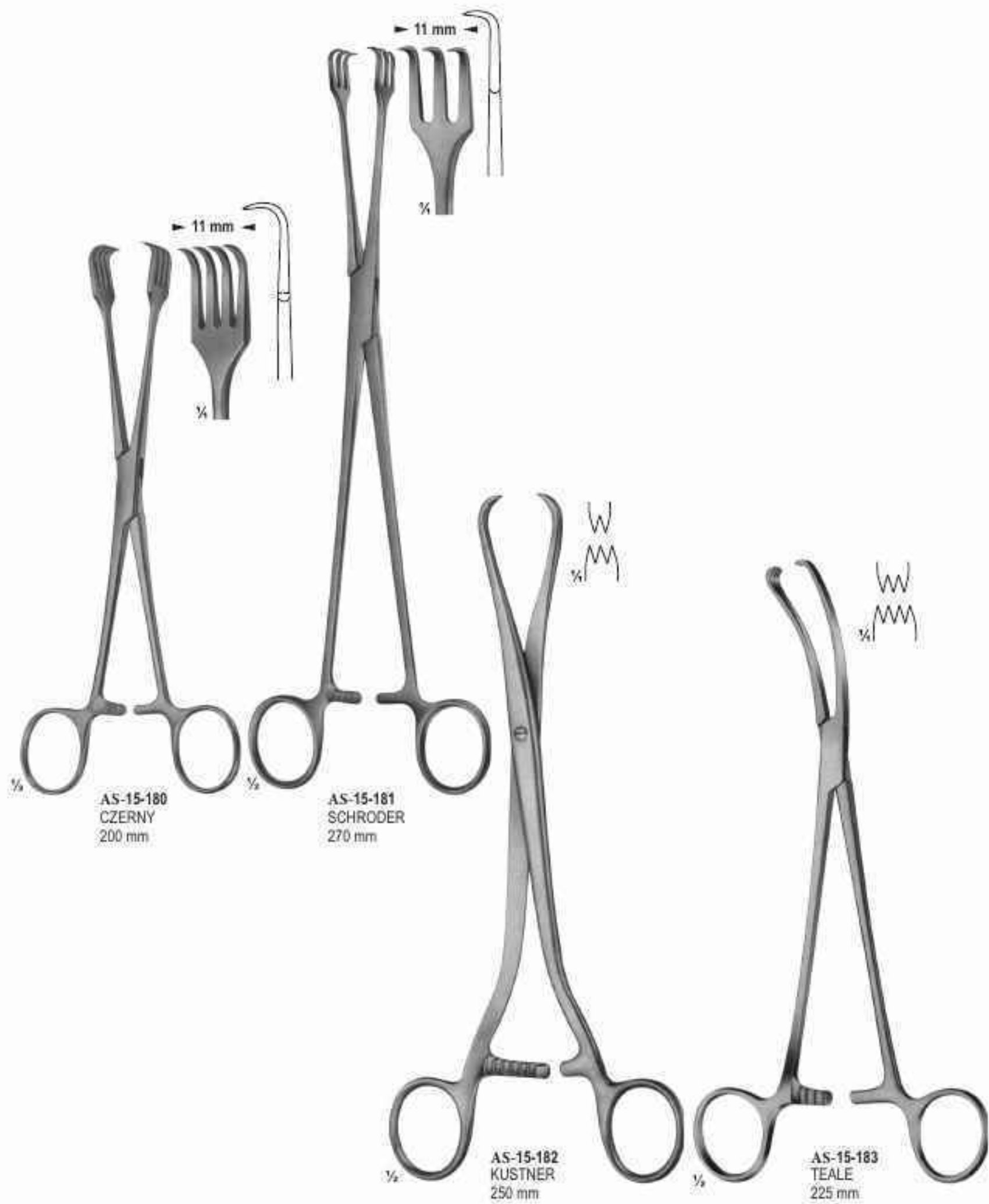


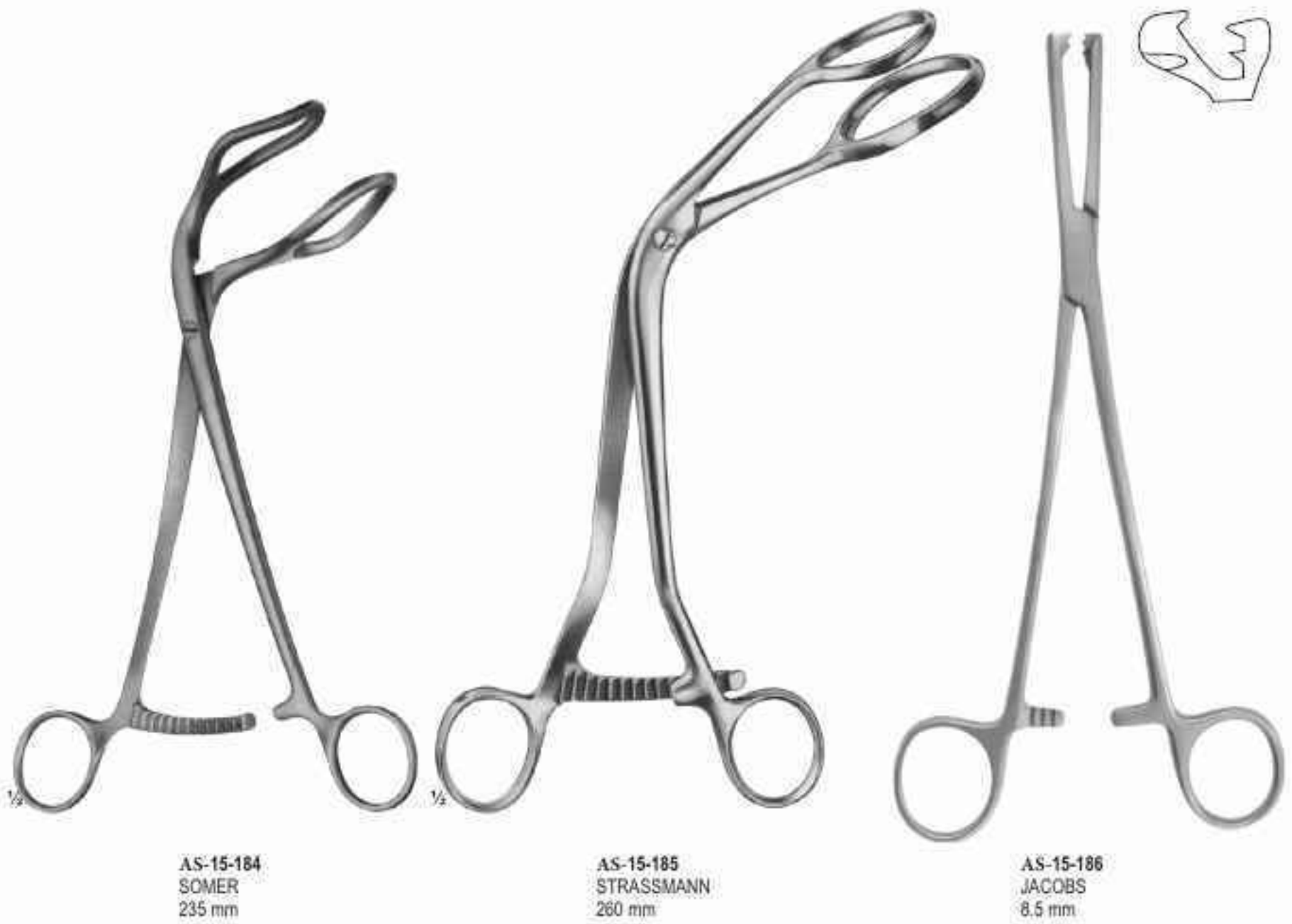
AS-15-172
SCHRODER
250 mm

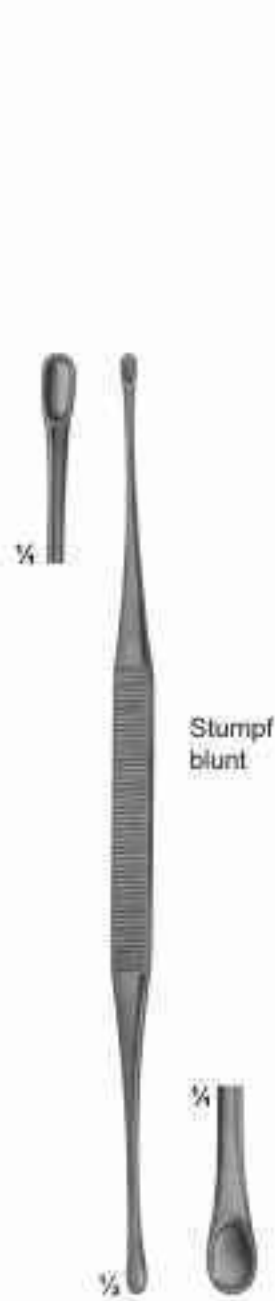


AS-15-173
POZZI
heavy type
255 mm

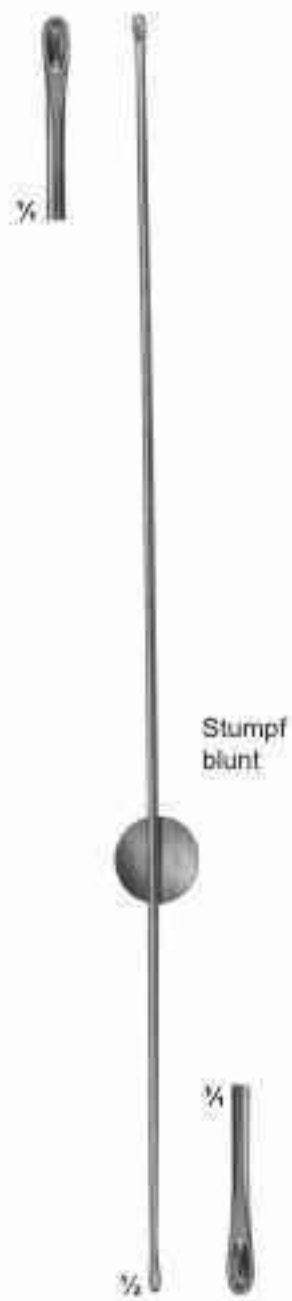








AS-15-187
ASCH
Uterine
Secretion scoop
200 mm



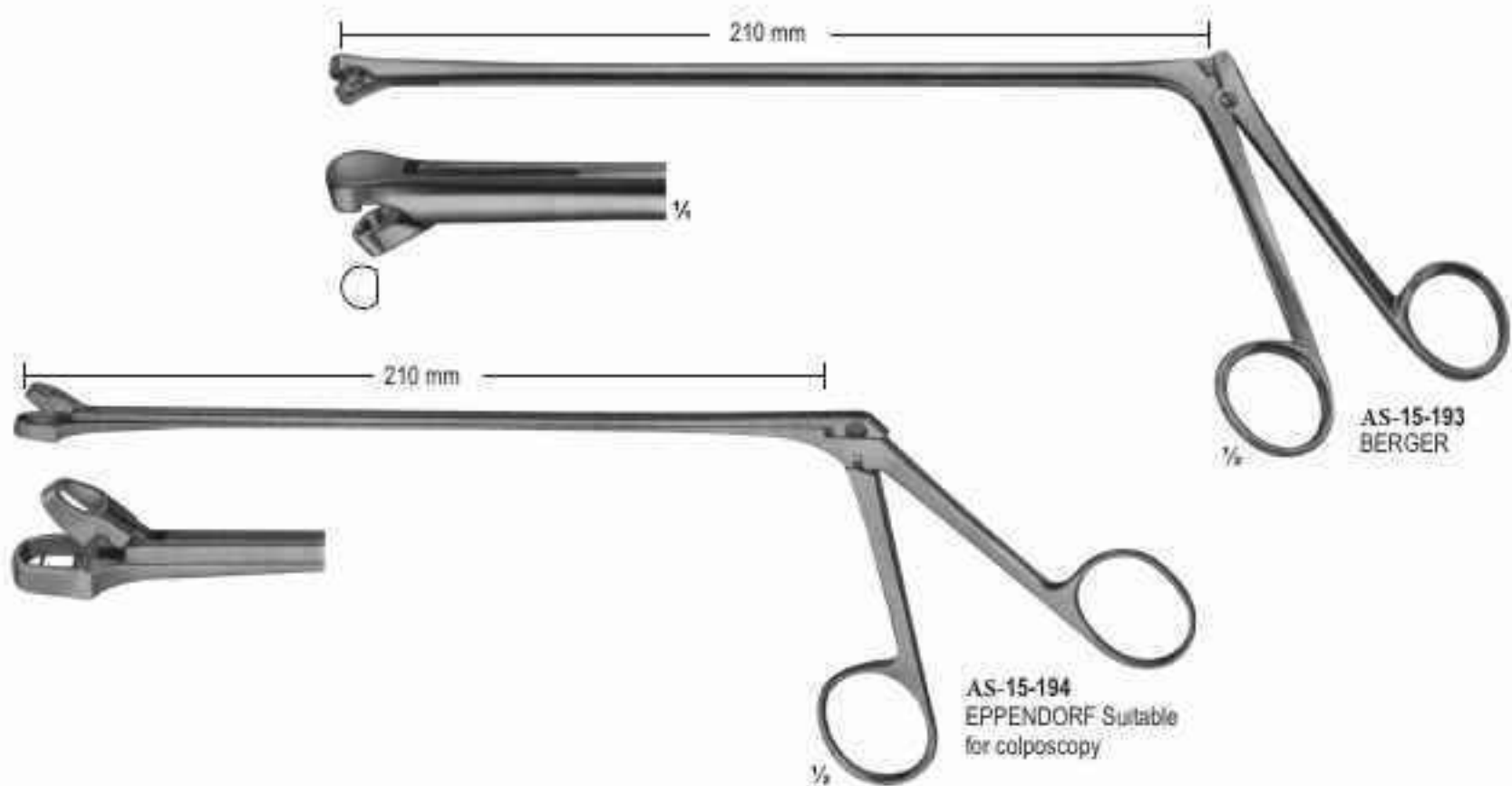
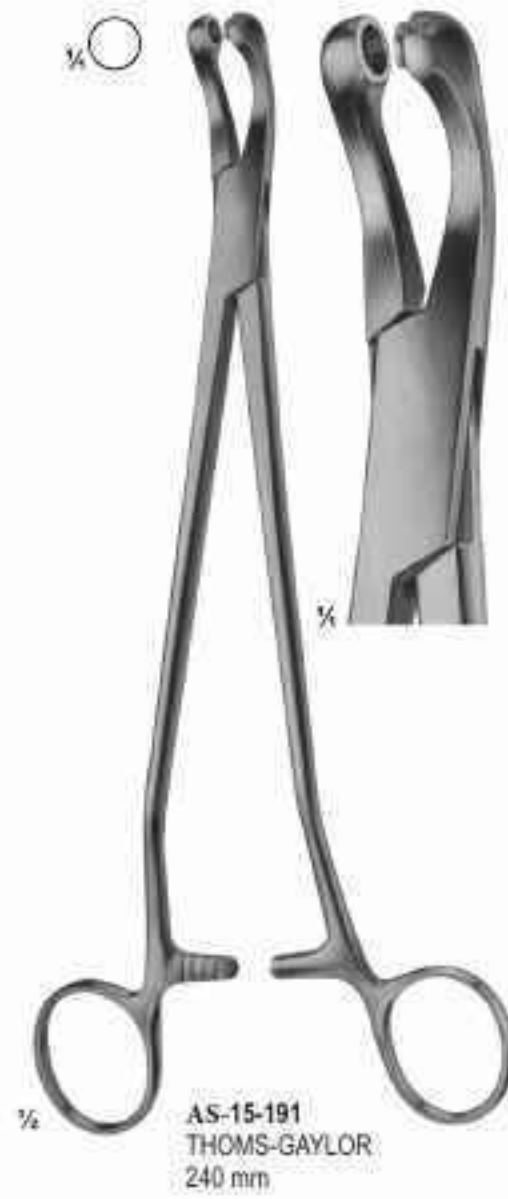
AS-15-188
Uterine
Secretion-scoop
270 mm

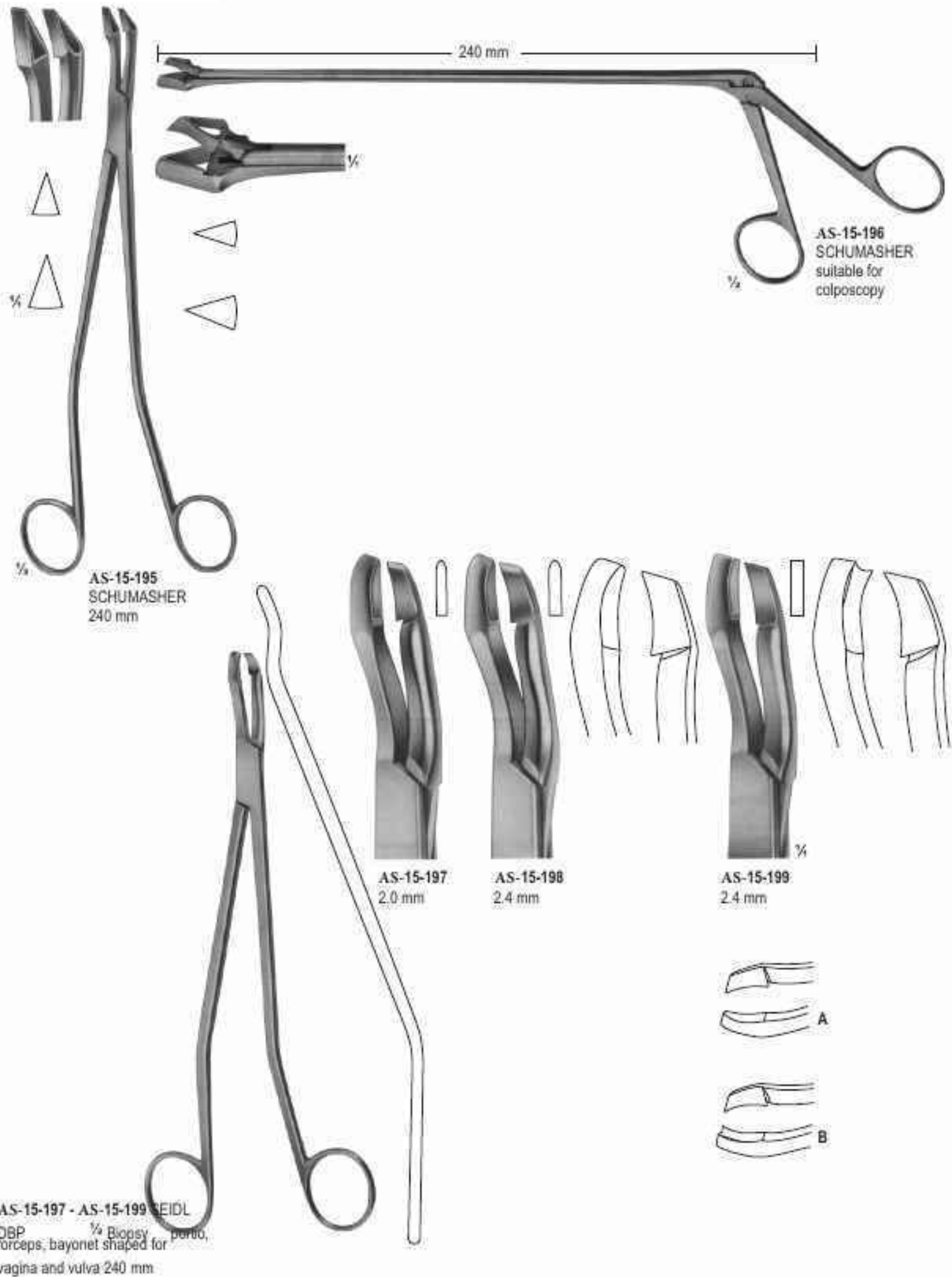


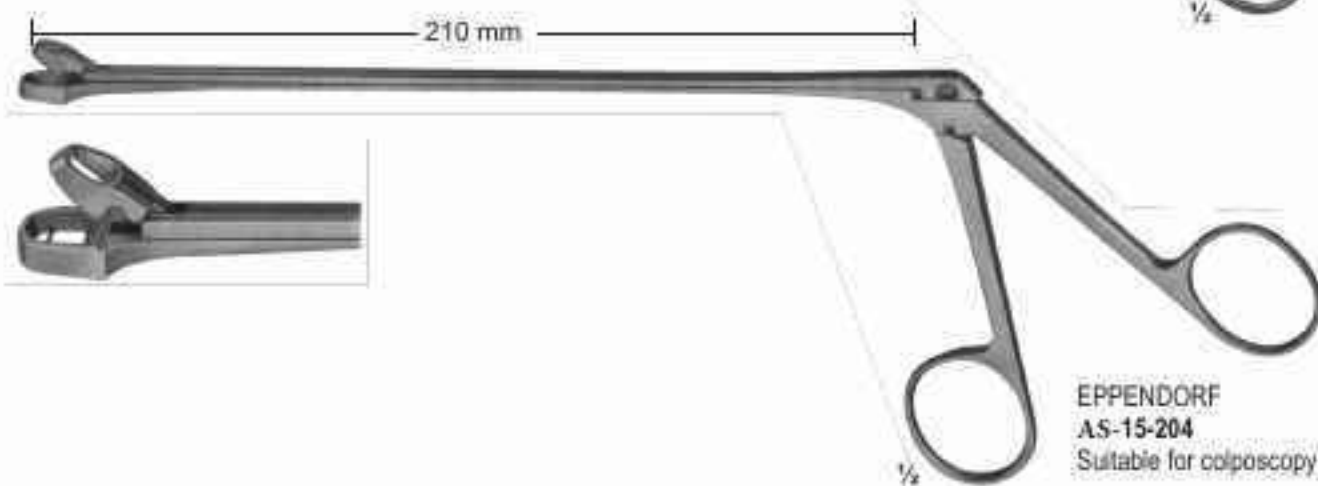
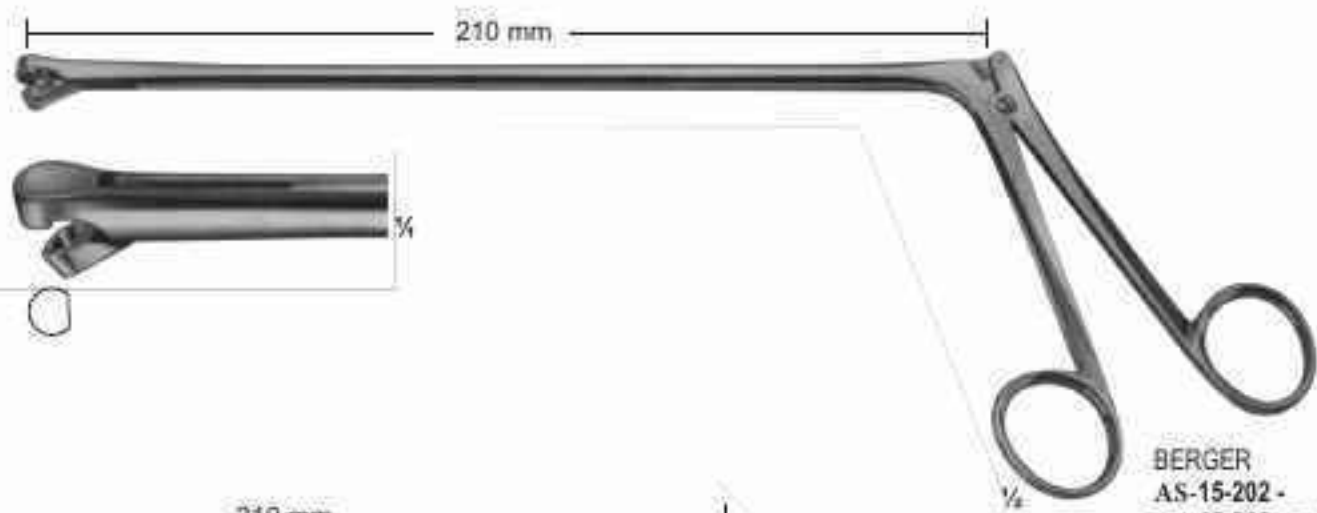
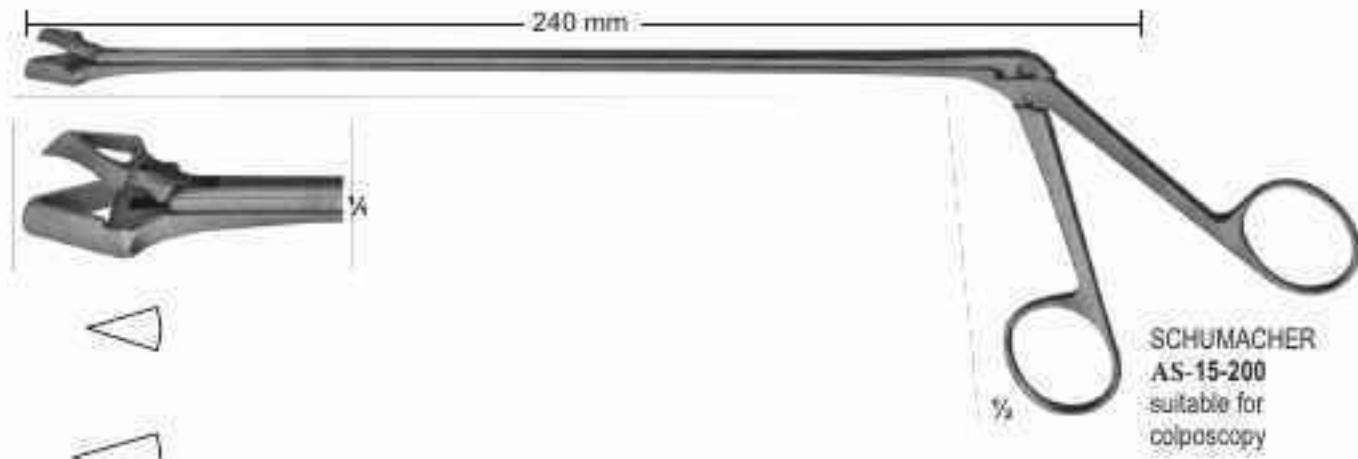
AS-15-189
NOVAK-SCHOECKAERT
Endometrial biopsy
curette
240 mm

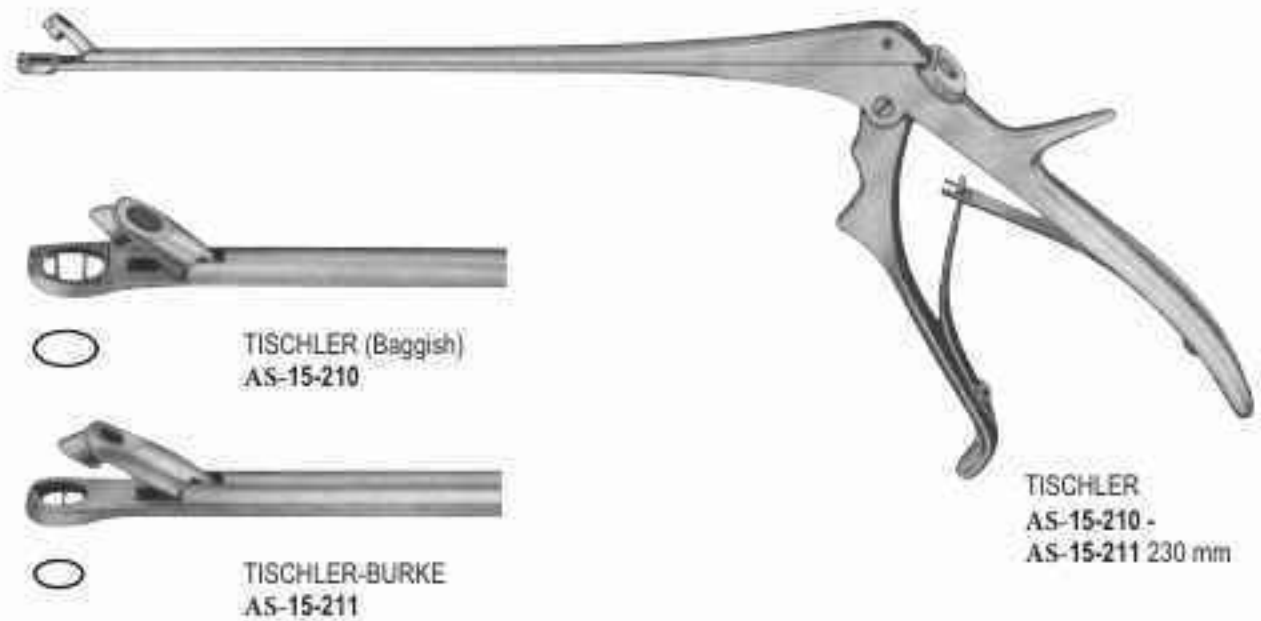


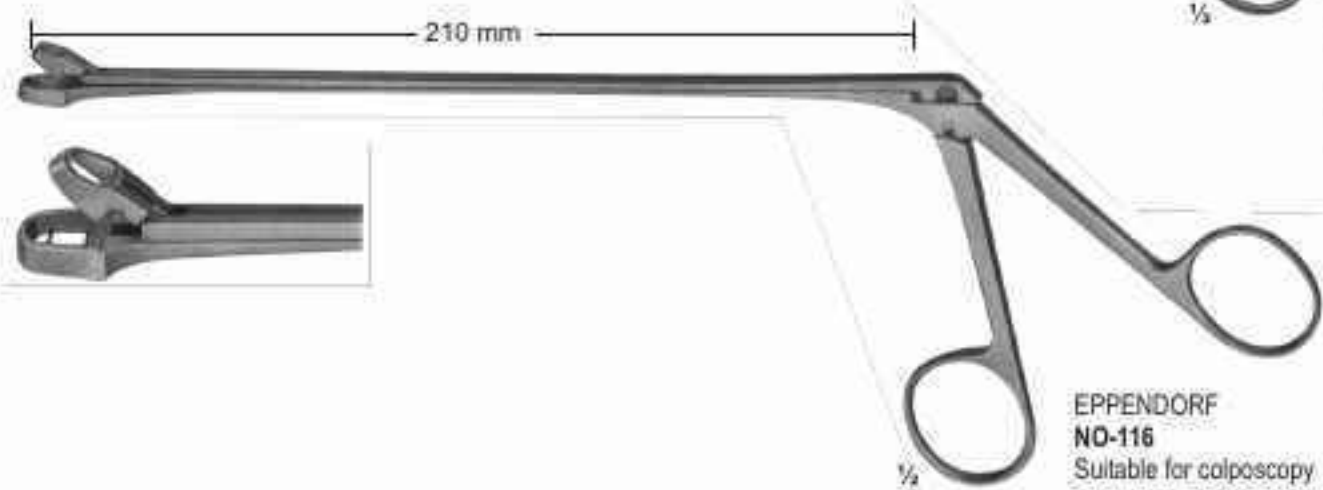
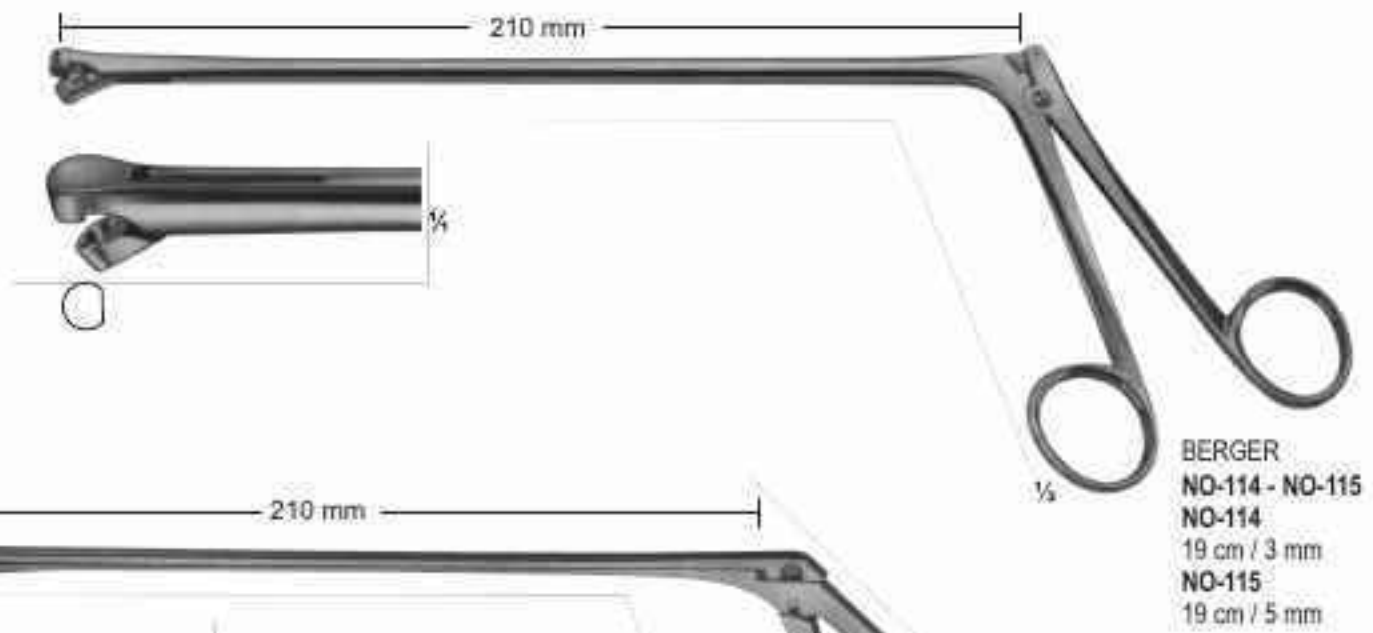
AS-15-190
RANDALL
Endometrial biopsy
curette
240 mm

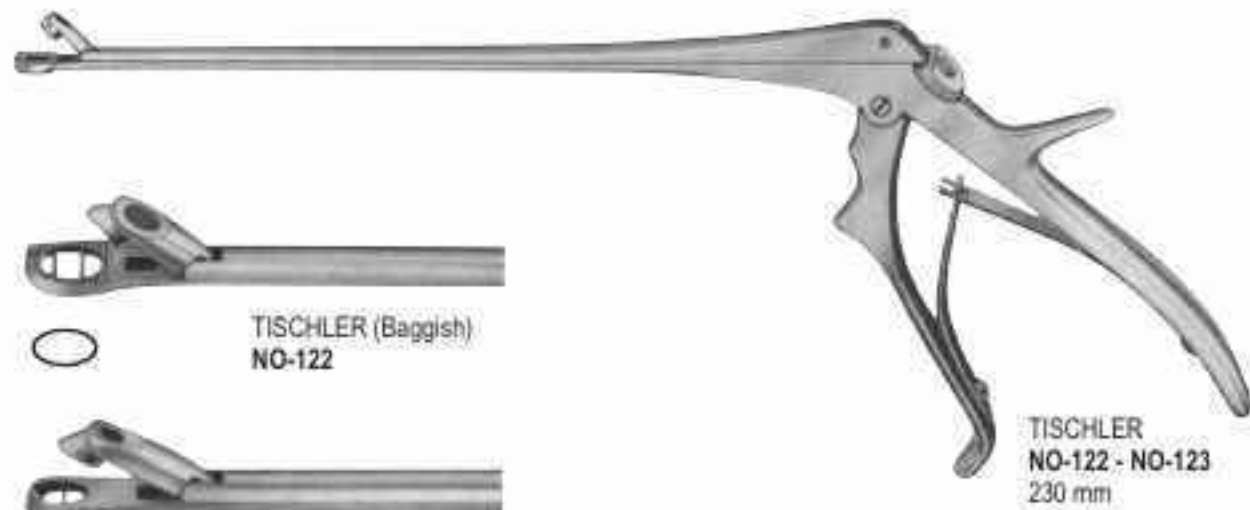
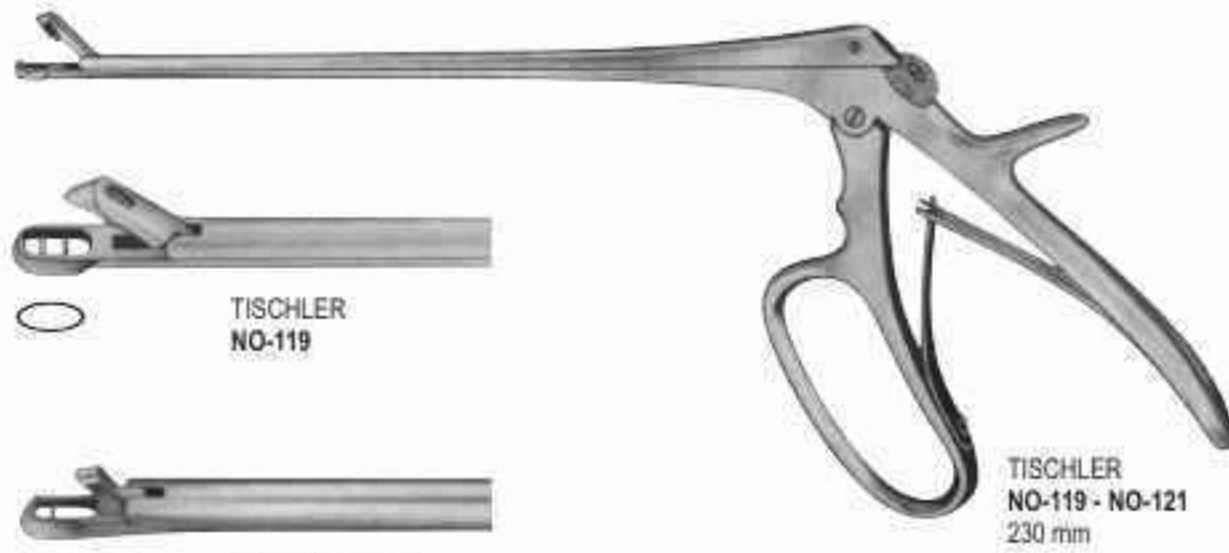


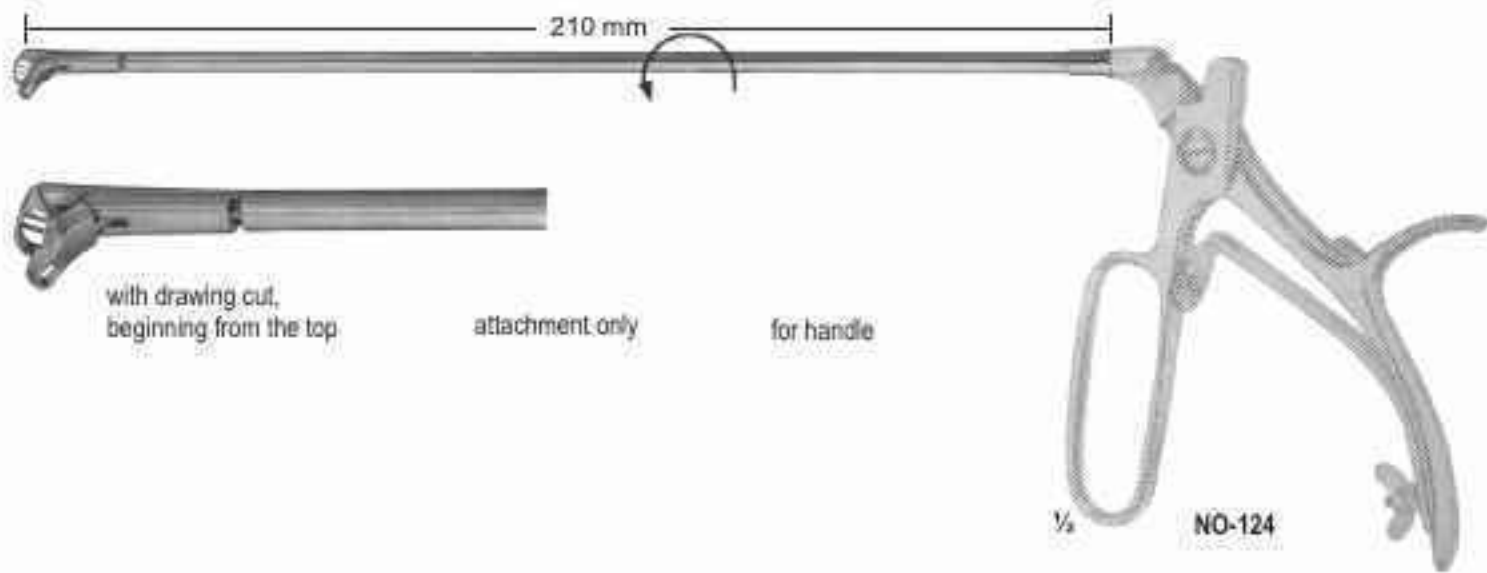


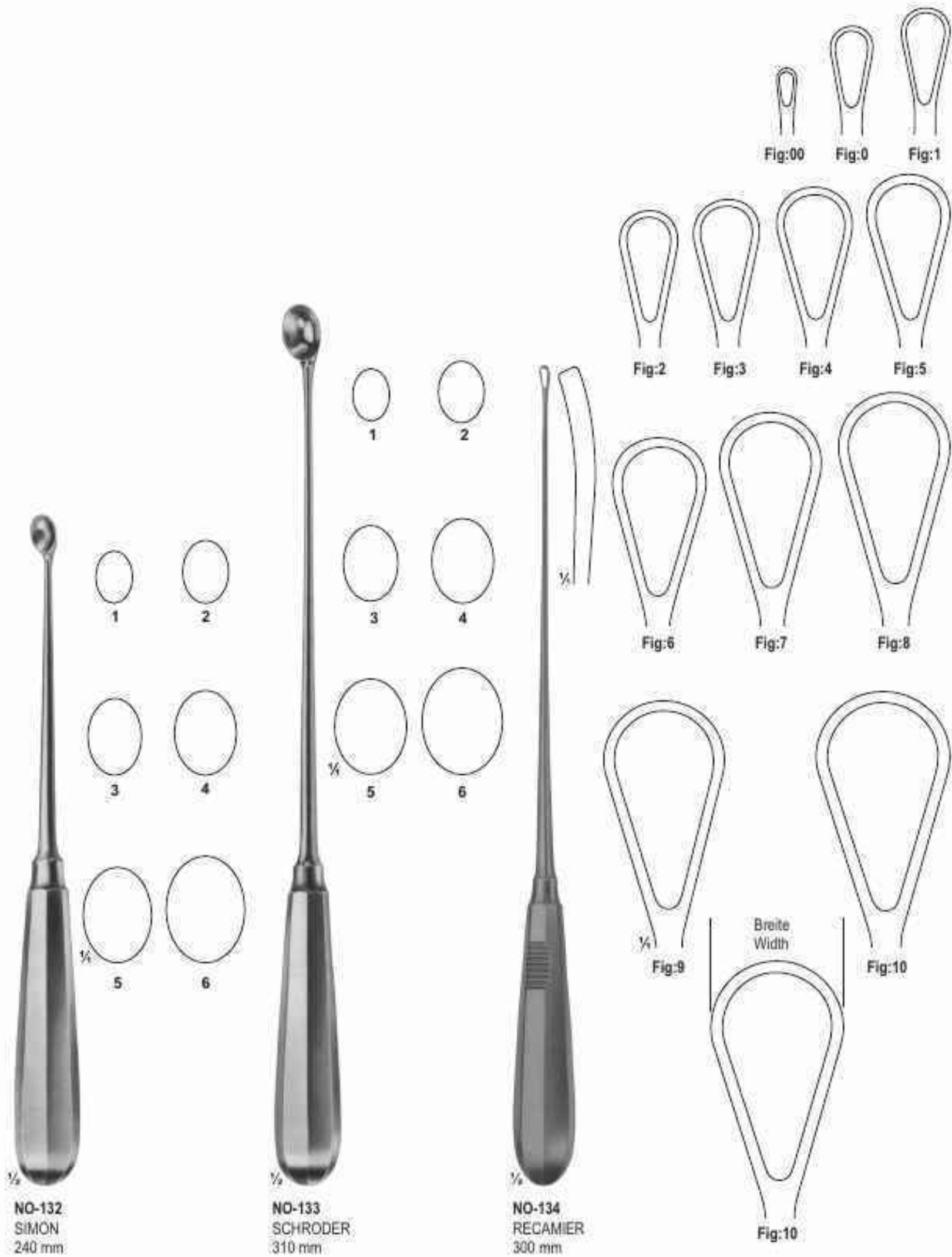


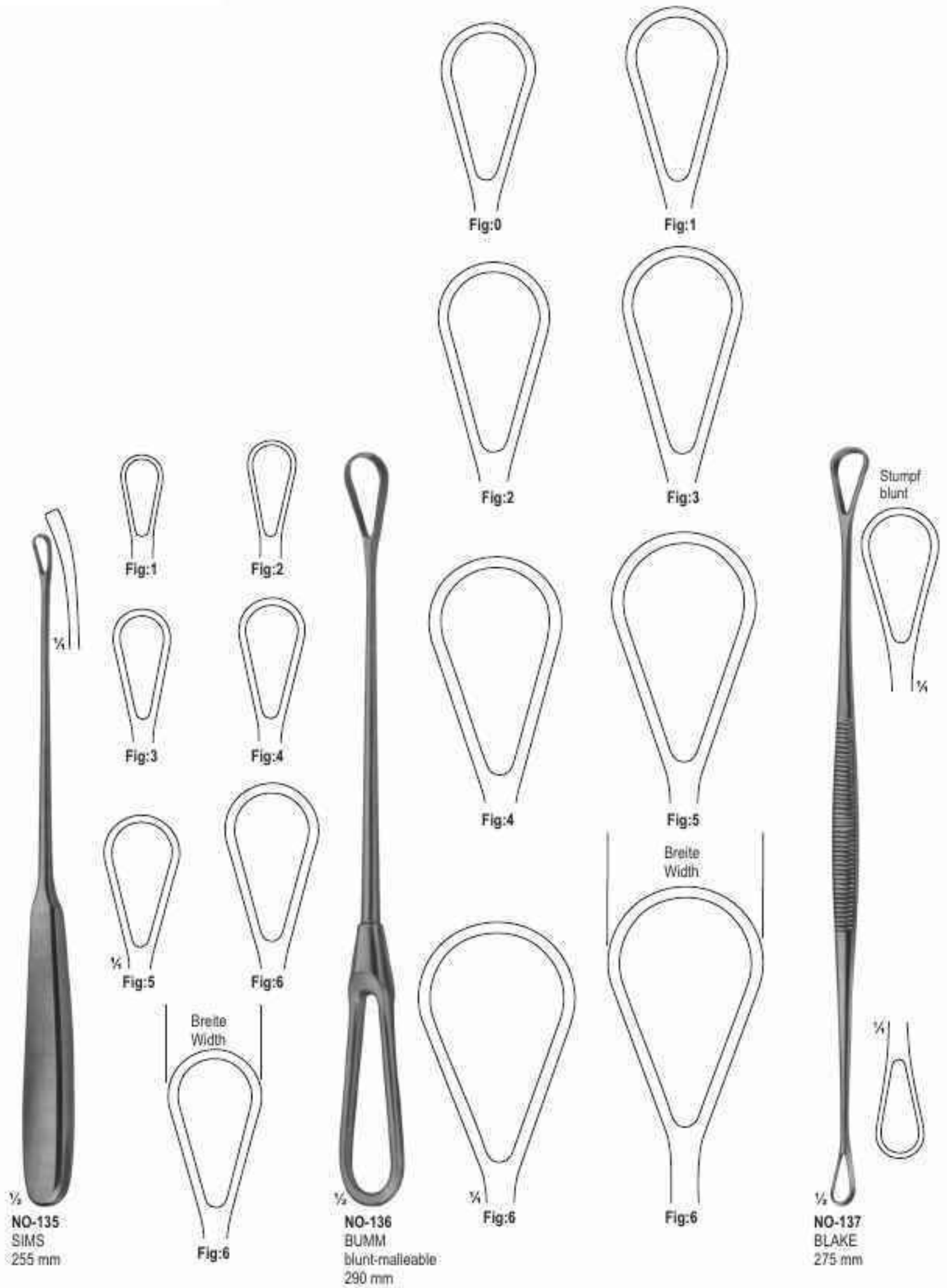














NO-138
COLLIN
300 mm



NO-139
RECAMIER
blunt-rigid
360 mm

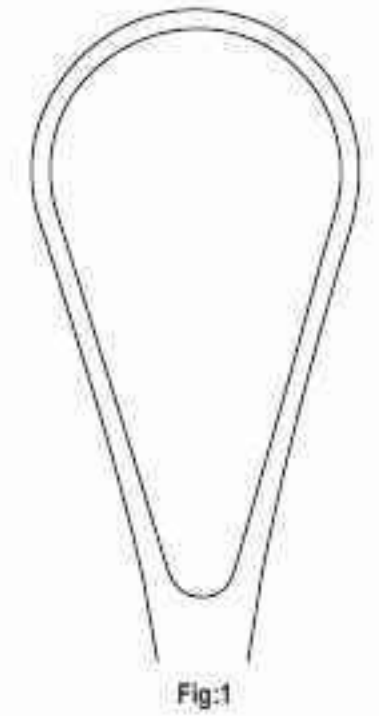


Fig:1

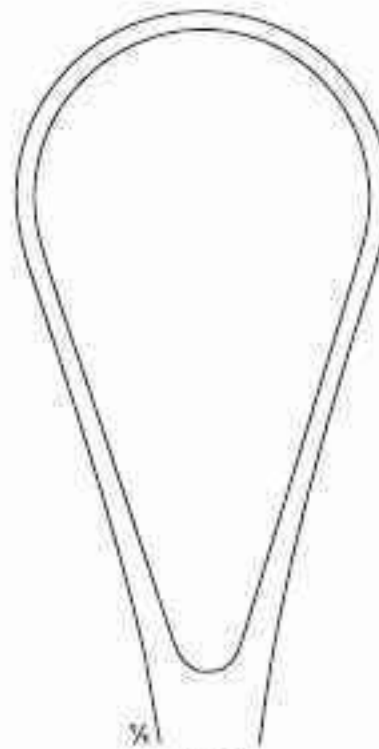


Fig:2



NO-140
BUMM
310 mm



Fig:1

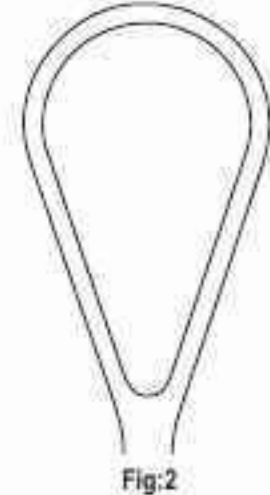
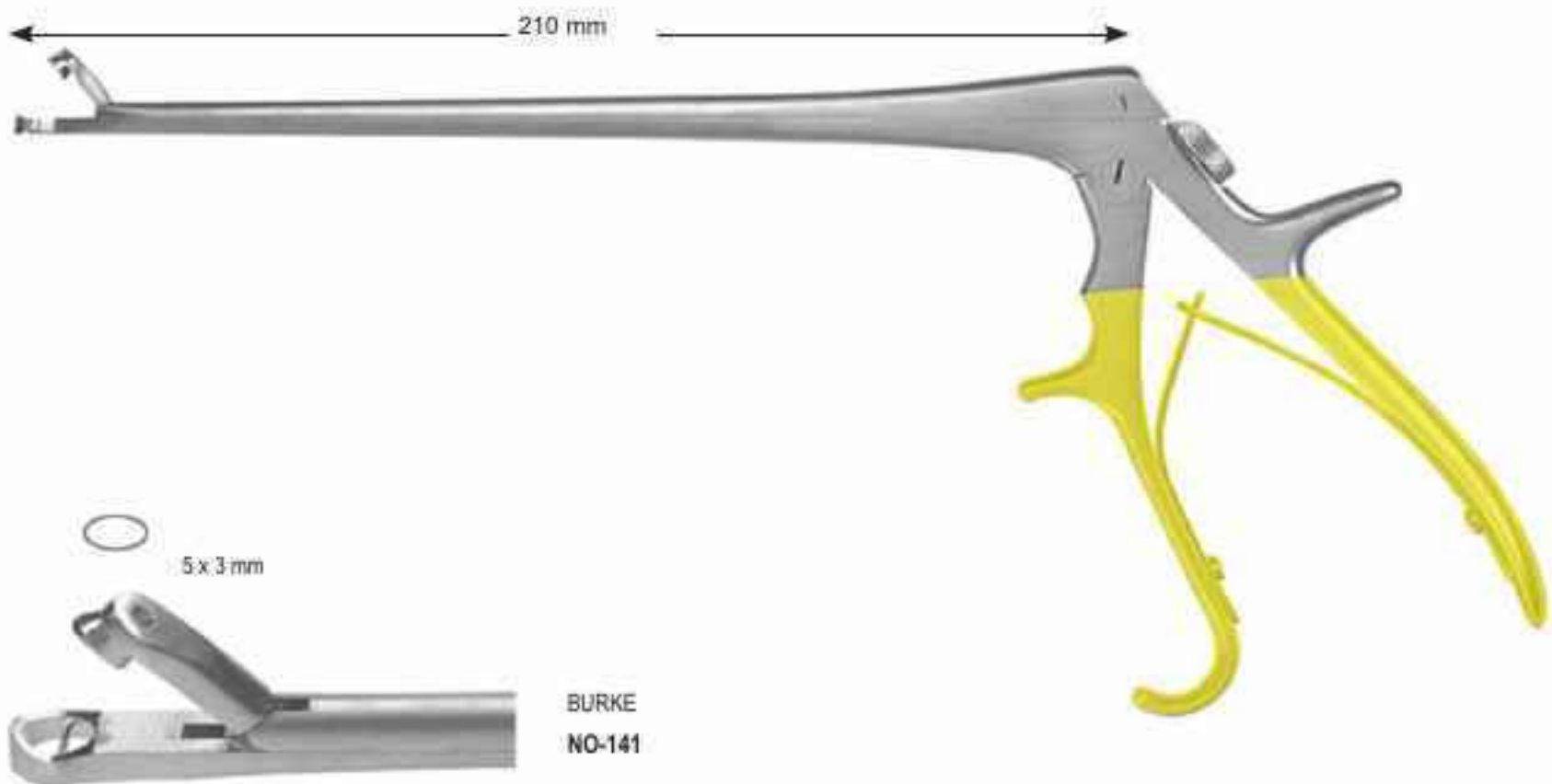
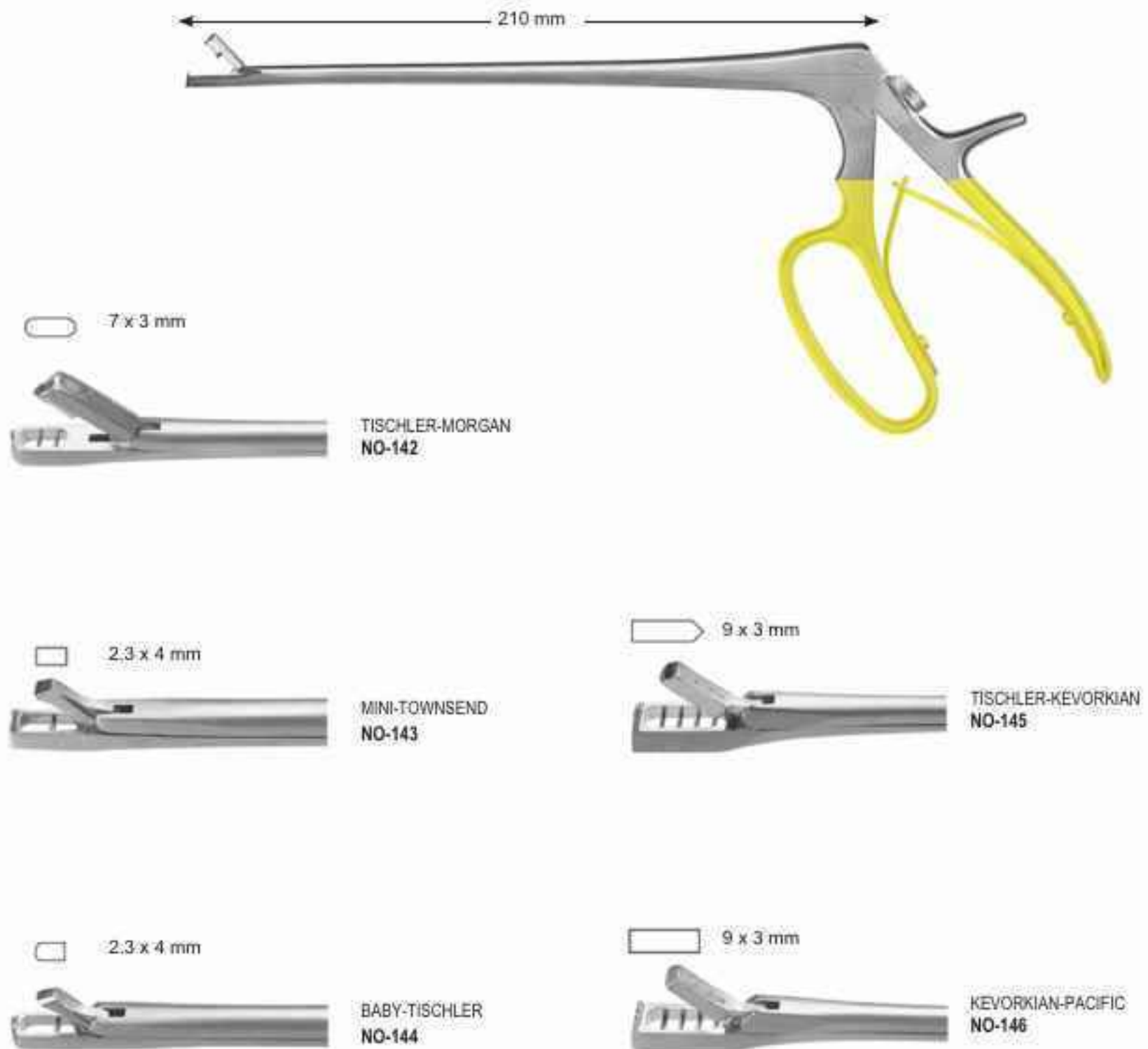


Fig:2



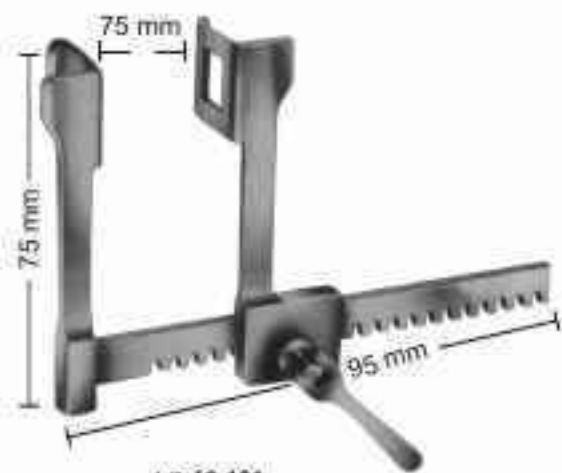
Fig:3





Page 312-374

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



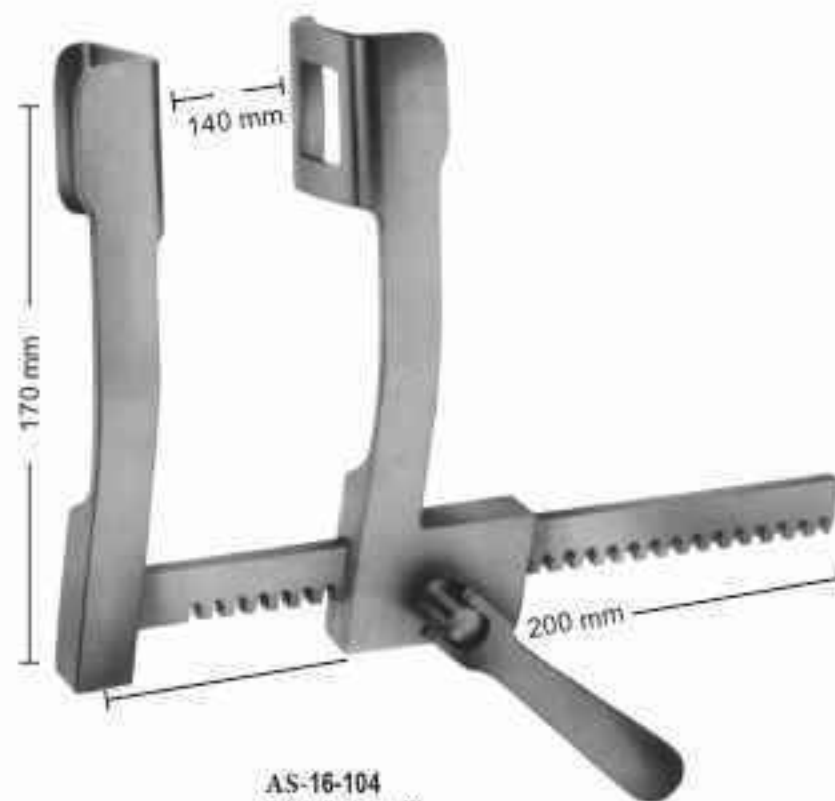
AS-16-101
FINOCHIETTO
for children
18X21 mm



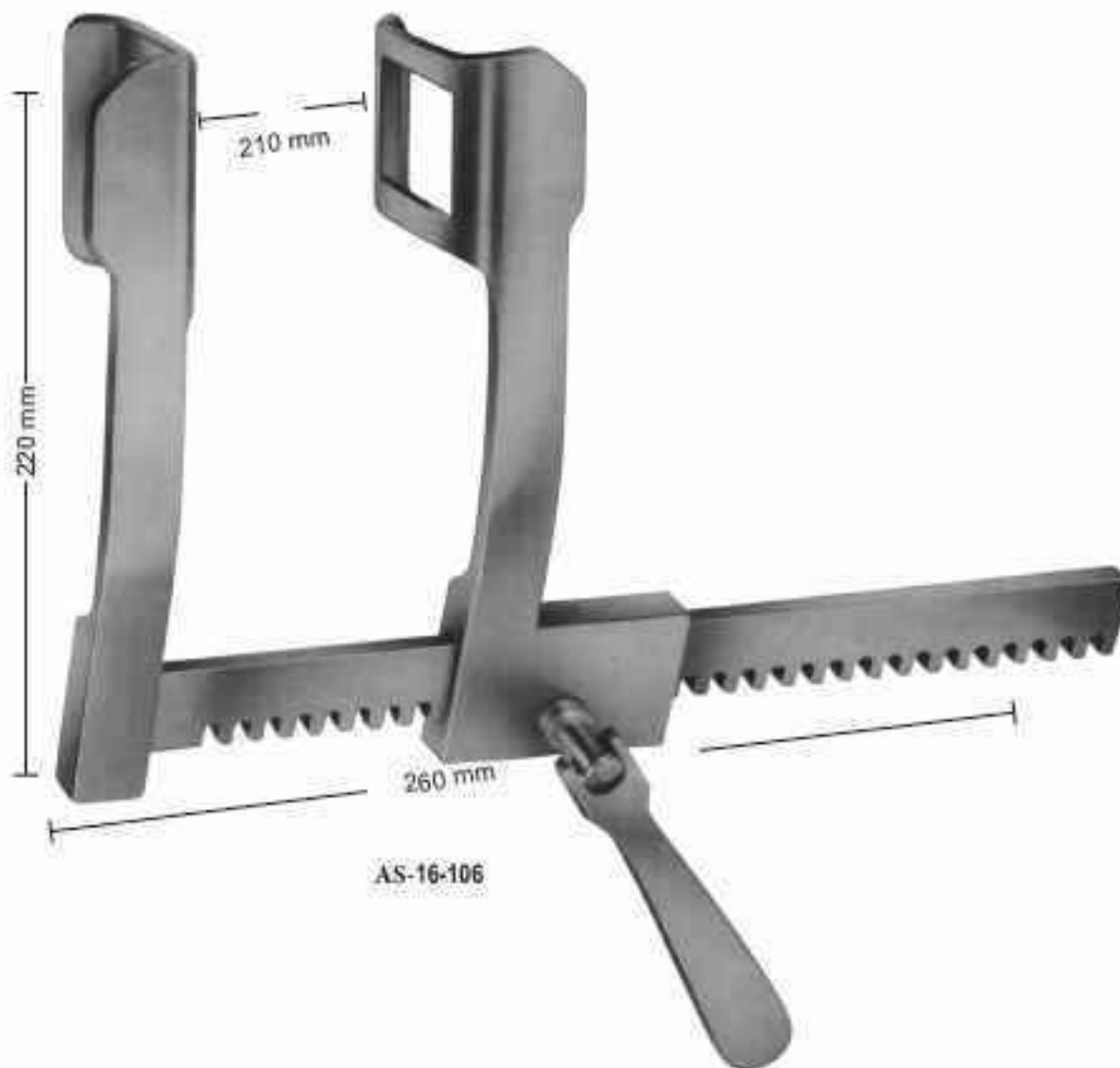
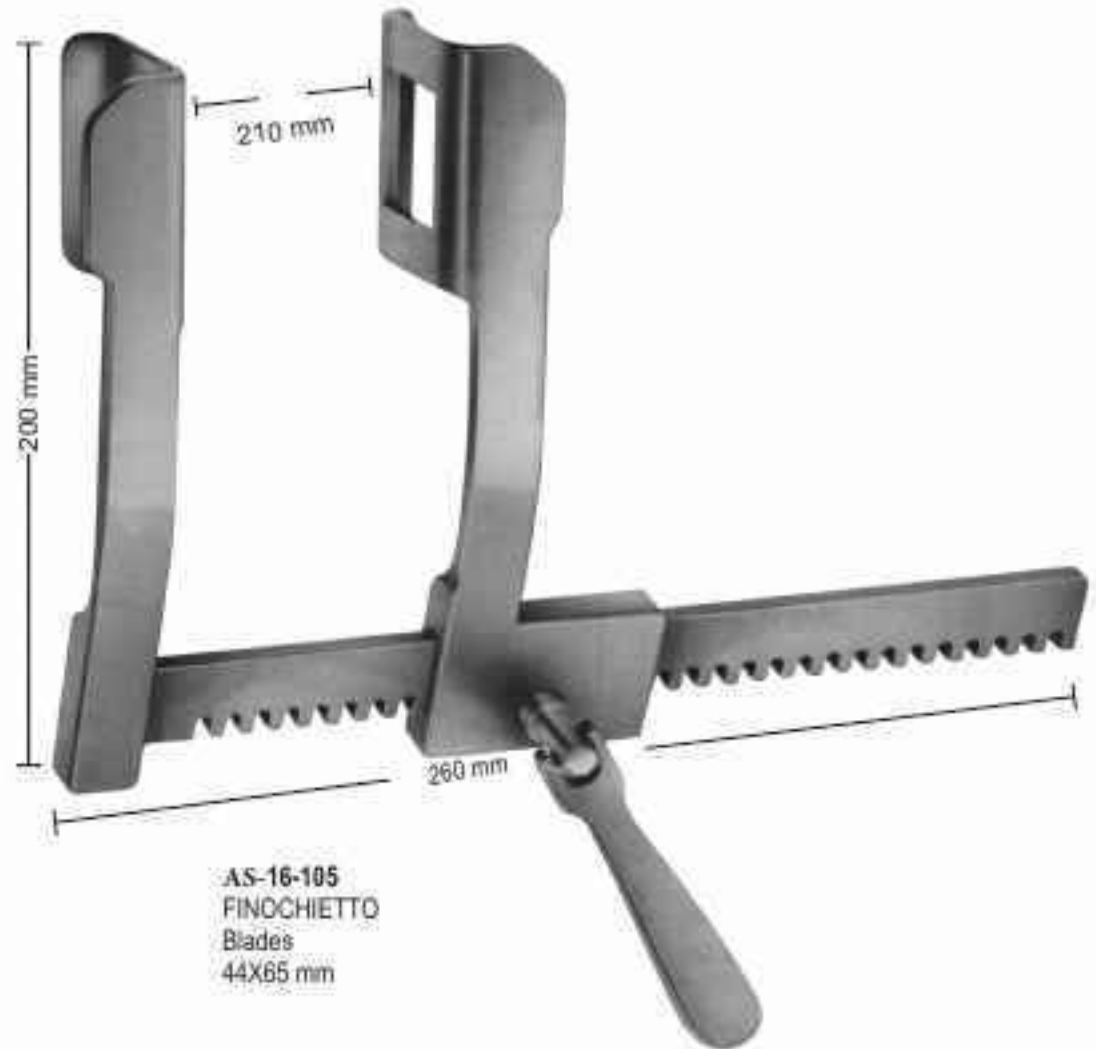
AS-16-102
HERTZLER
for children
20X25 mm

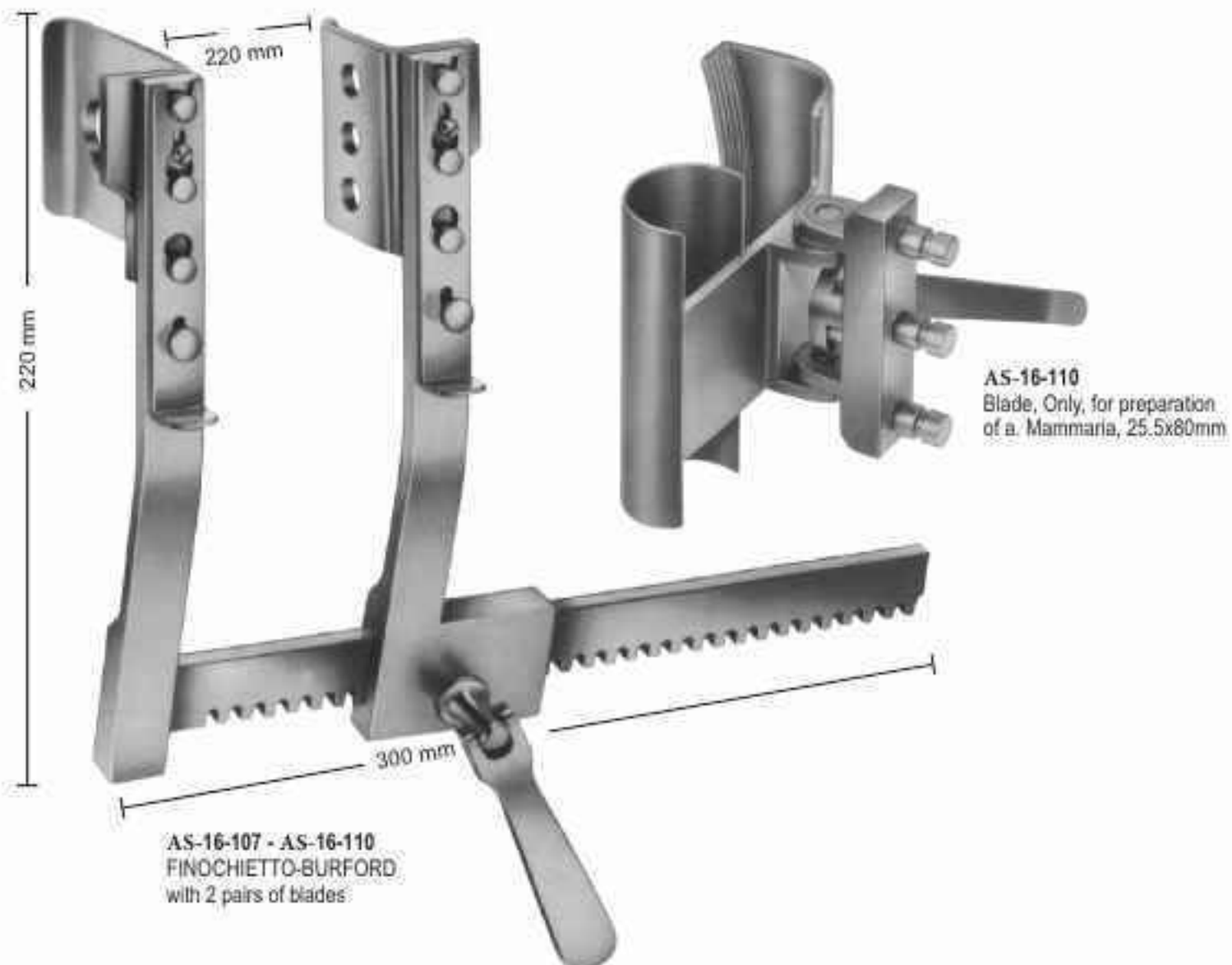
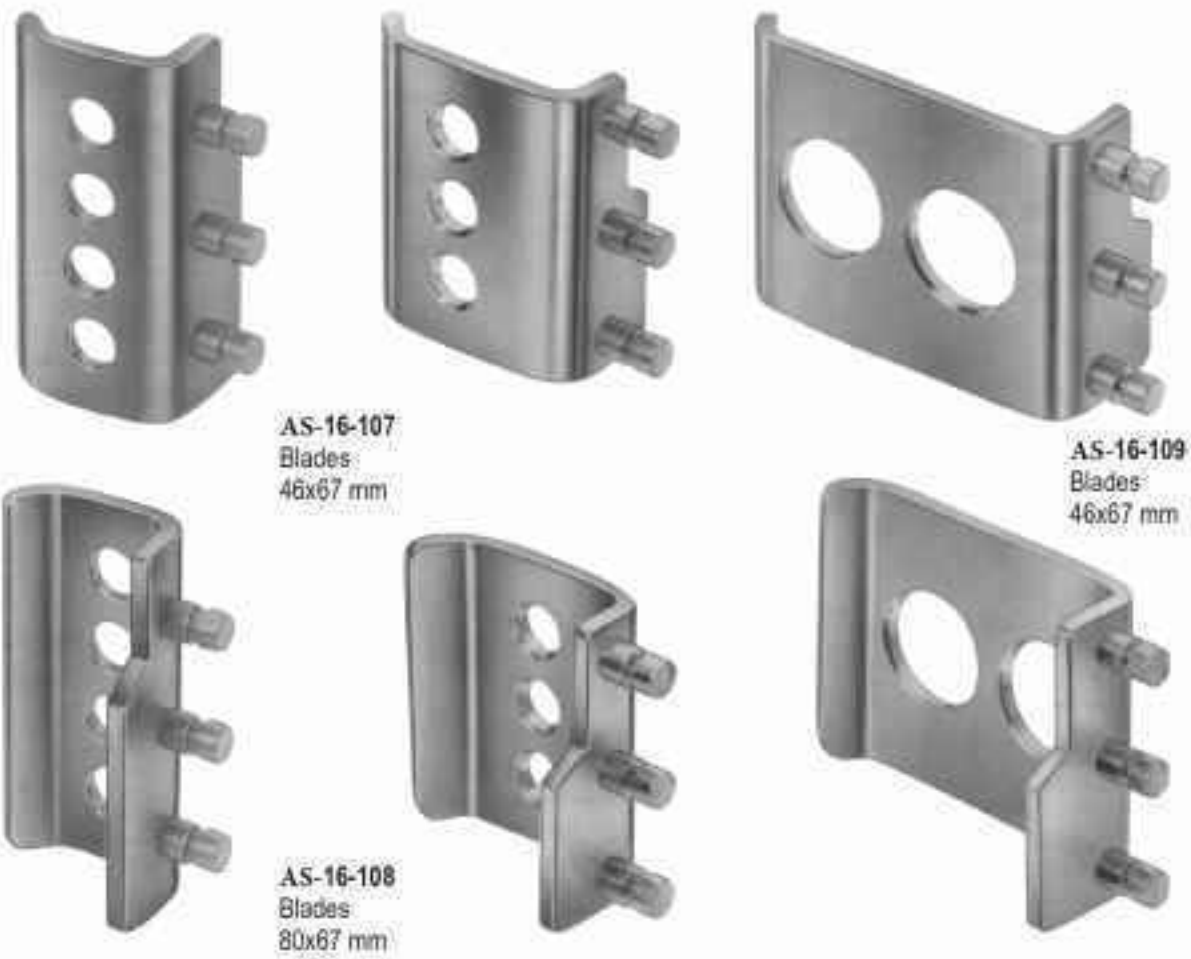


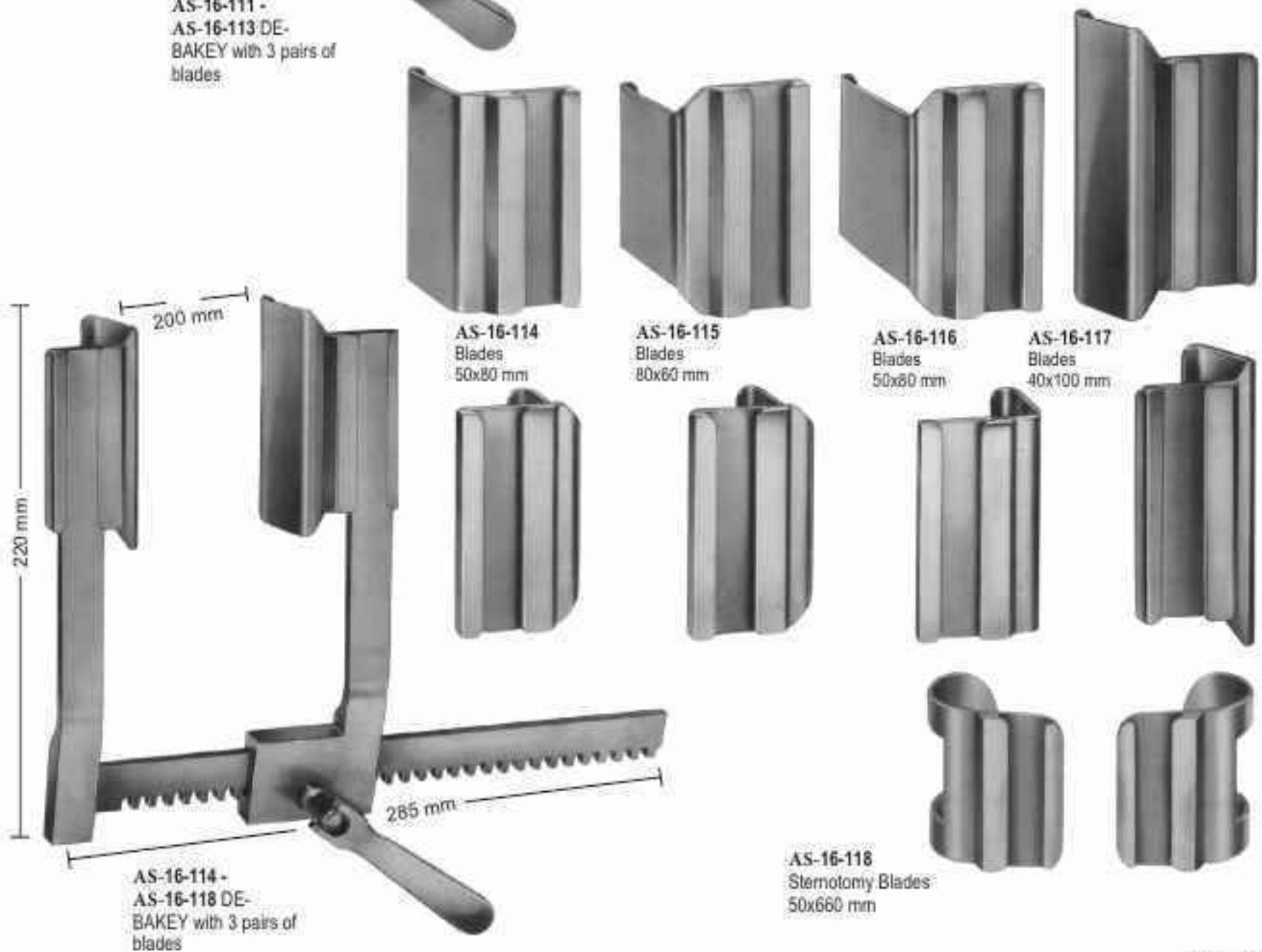
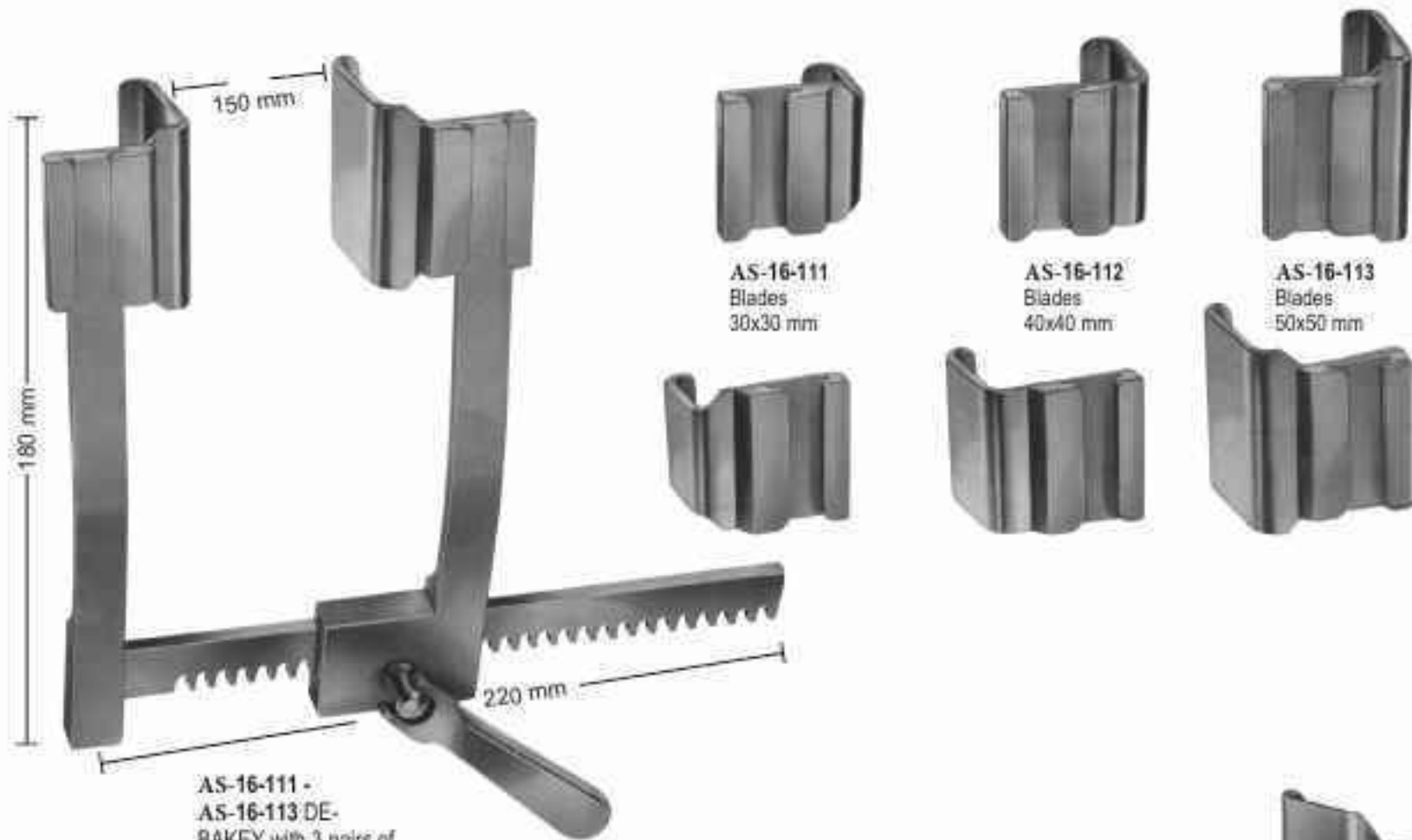
AS-16-103
TUFFIER
Blades
43X53 mm

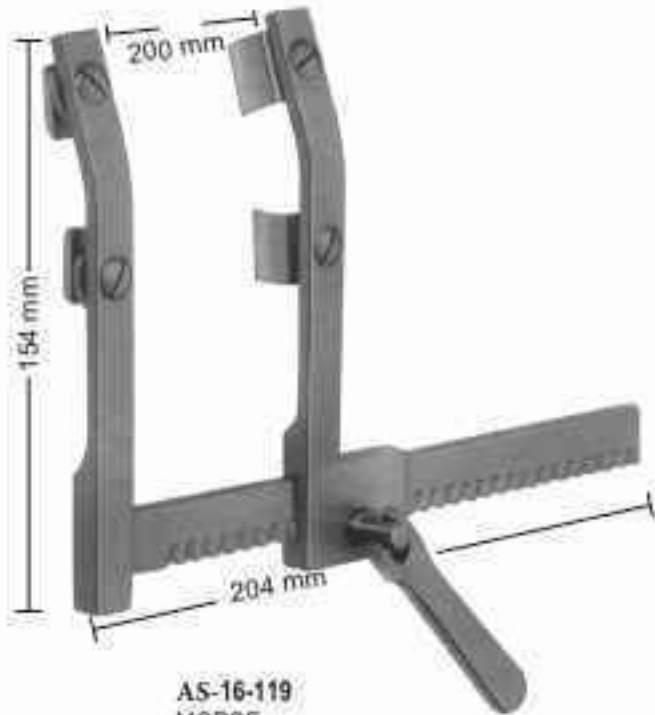


AS-16-104
FINOCHIETTO
Blades
36X45 mm

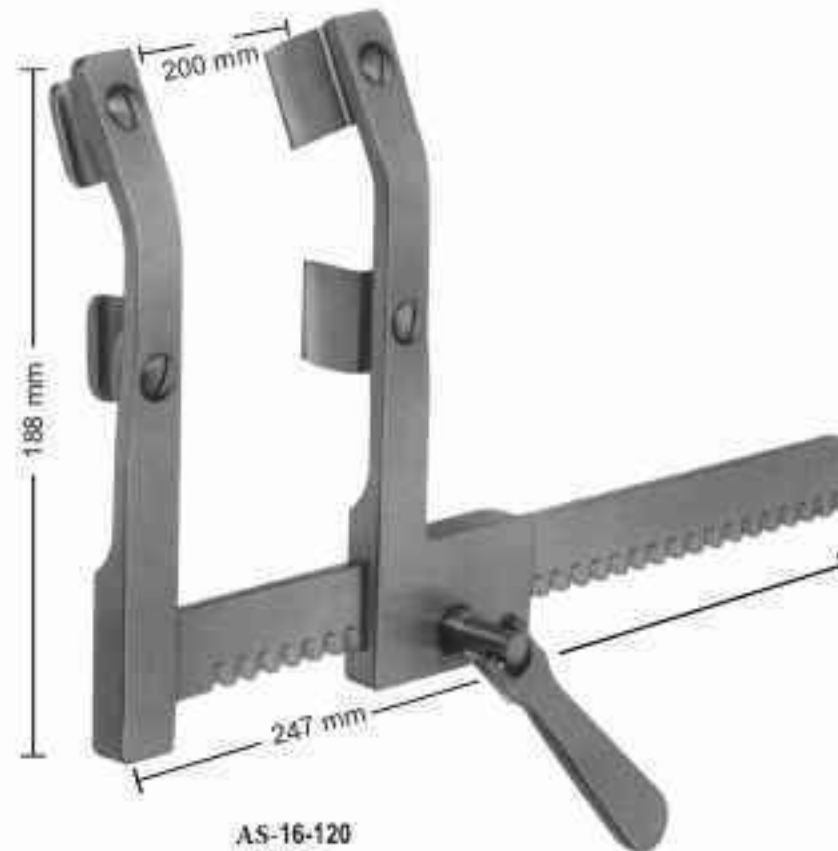




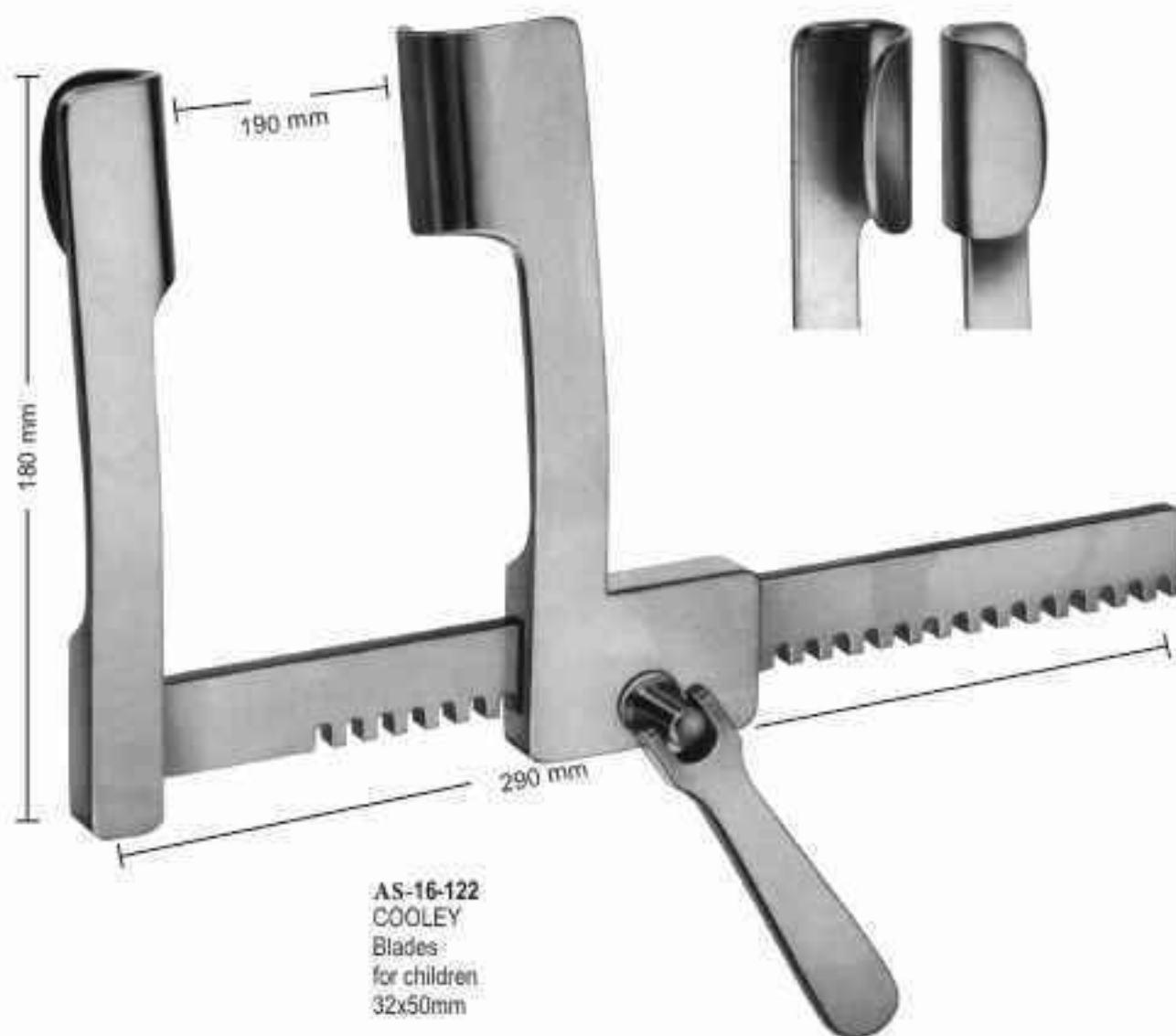
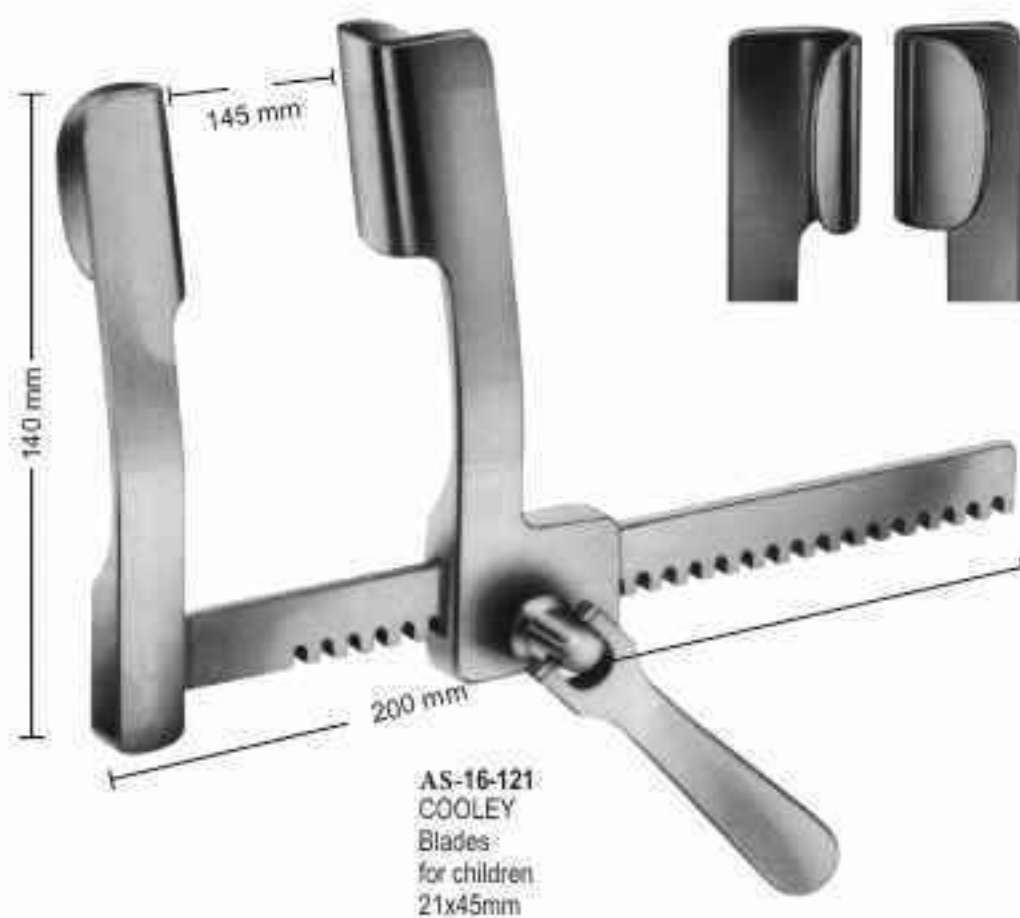




AS-16-119
MORSE
Sternotomy spreader
for children, with moveable
double, each blade
12x20 mm



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

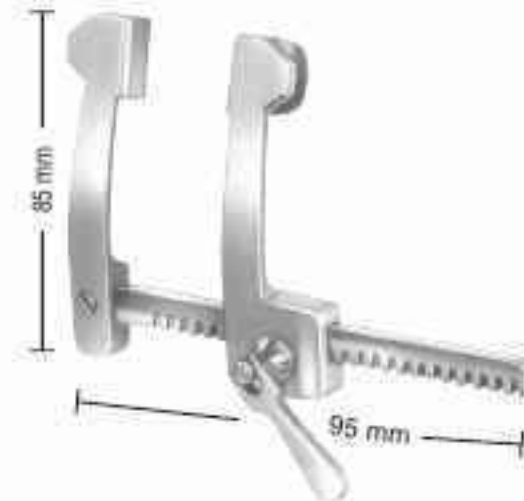


AS-16-123
Blades, only
9x20 mm



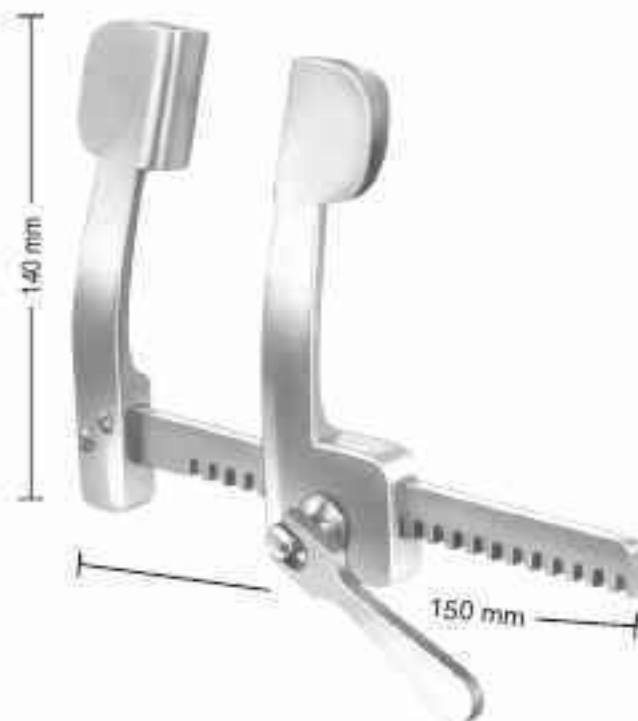
AS-16-124
Blades, only
9x10 mm

ALUMINIUM



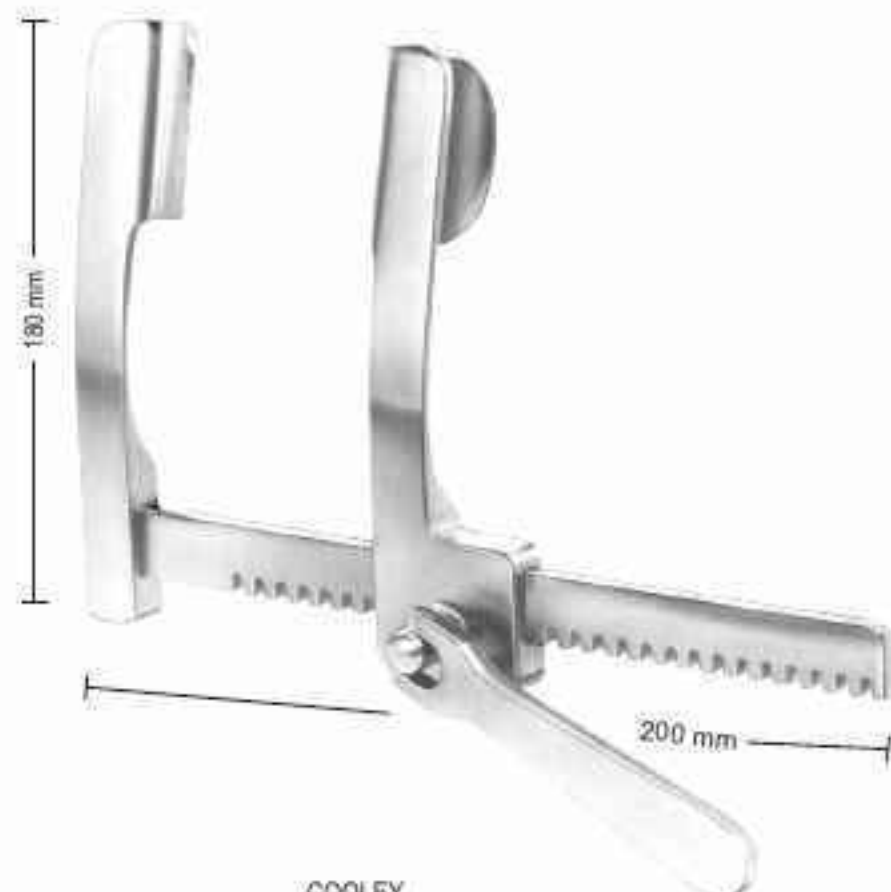
COOLEY
AS-16-1
for blades; lateral blades 12X16 mm,
spreading 95 mm

ALUMINIUM



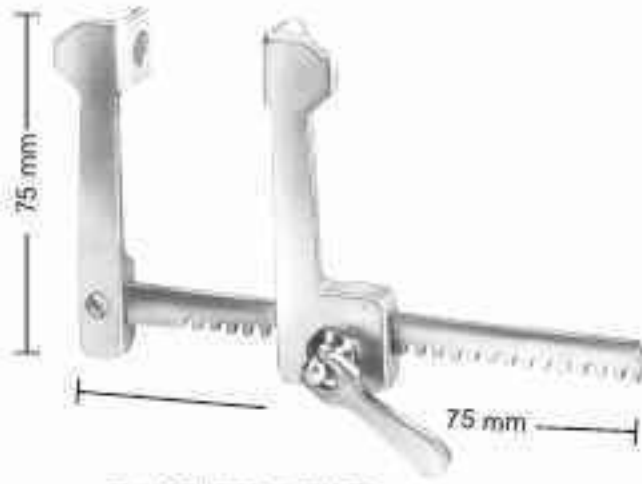
COOLEY
AS-16-1
for children; lateral blades 21X44 mm,
spreading 150 mm

ALUMINIUM



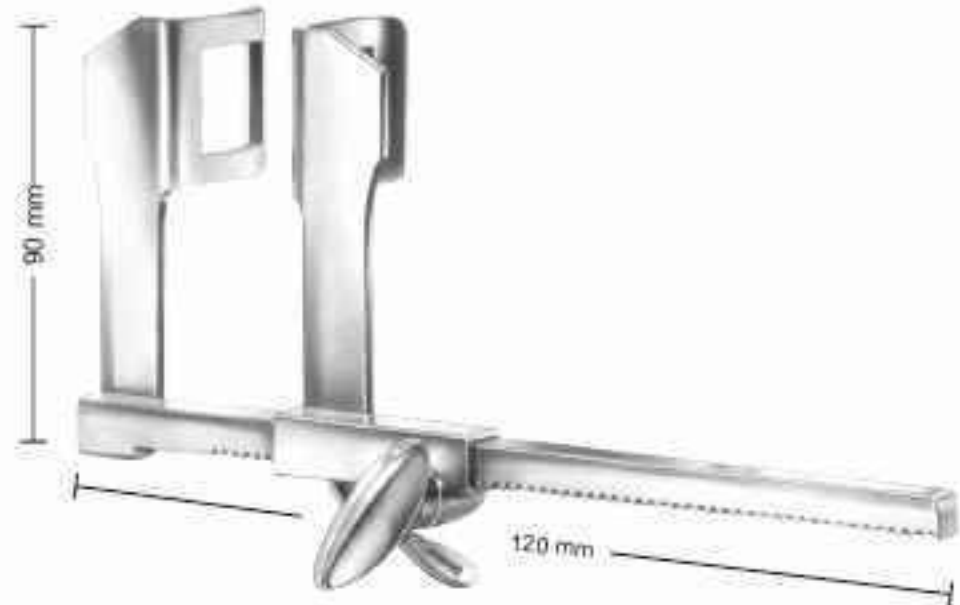
COOLEY
AS-16-1
for adults; lateral blades 35X50 mm,
spreading 200 mm

ALUMINIUM



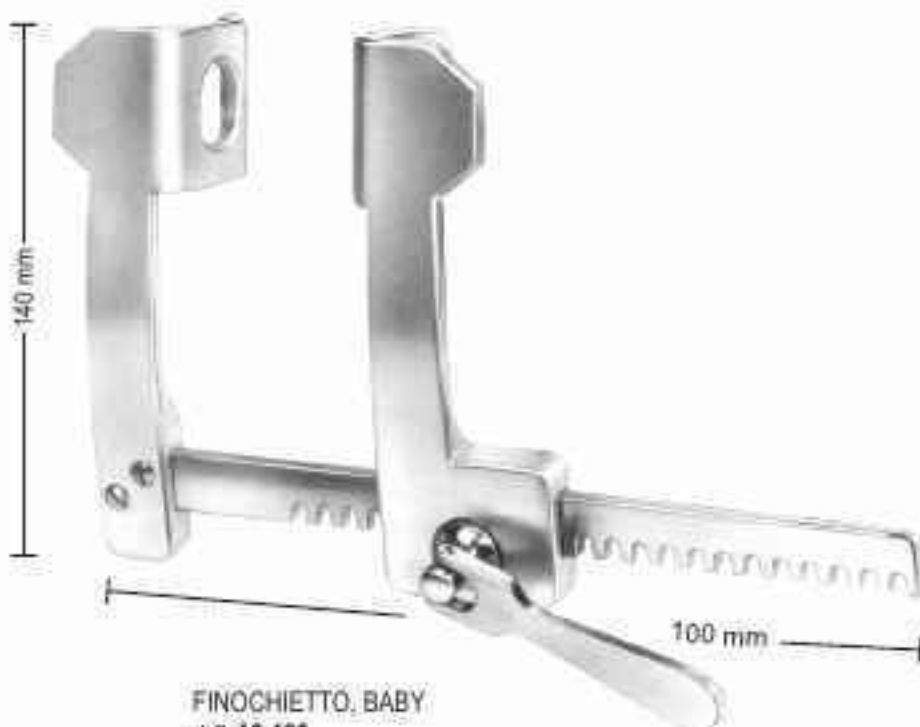
FINOCHIETTO, INFANT
AS-16-128
for children; lateral blades 15X15 mm,
spreading 75 mm

STAINLESS STEEL

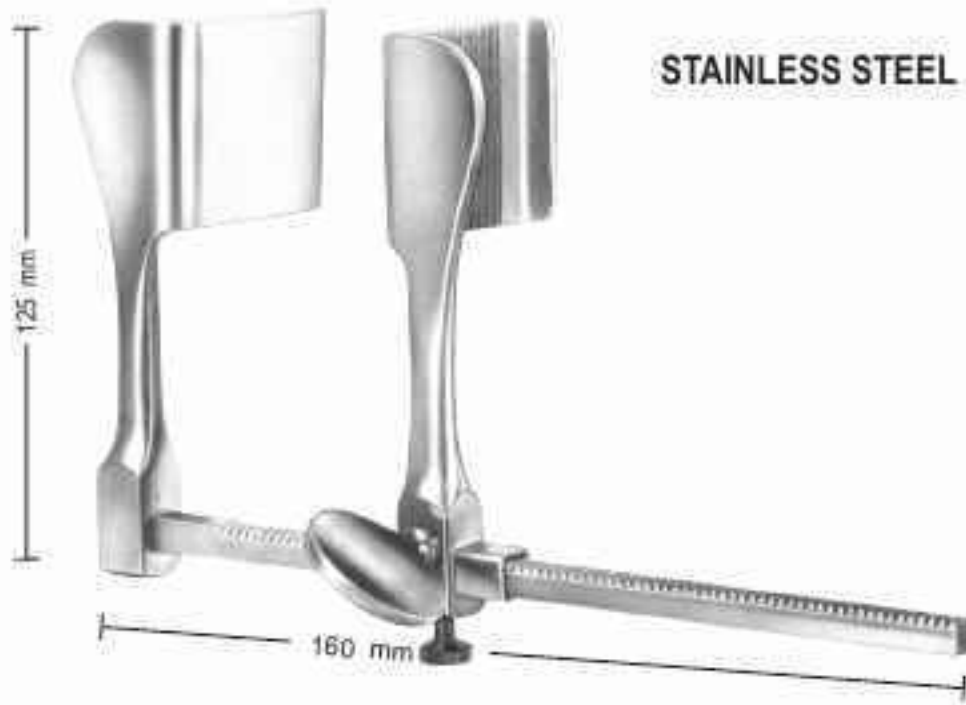


HAIGHT
AS-16-129
lateral blades 30X30 mm,
spreading 120 mm

ALUMINIUM

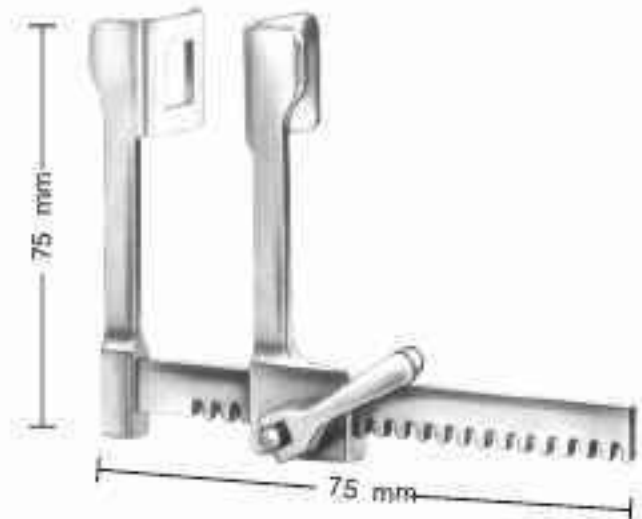


FINOCHIETTO, BABY
AS-16-130
for children; lateral blades 31X31 mm,
spreading 100 mm



STAINLESS STEEL

TUFFIER
AS-16-1
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



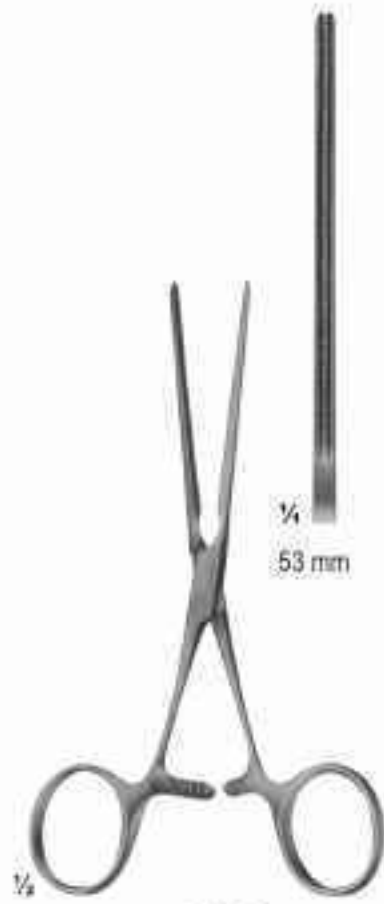
**AS-16-138
BAILEY**
150 mm



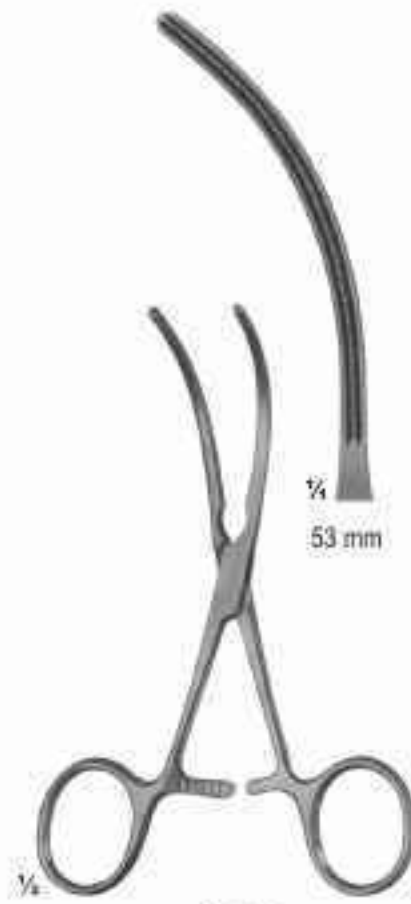
AS-16-139
for children

AS-16-140
for children

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



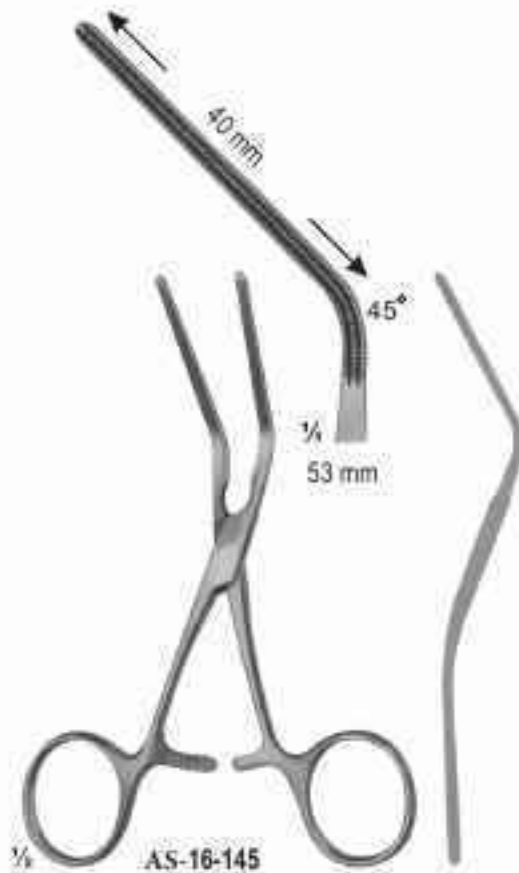
AS-16-142
DE-BAKEY
gerade-straight
130 mm



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



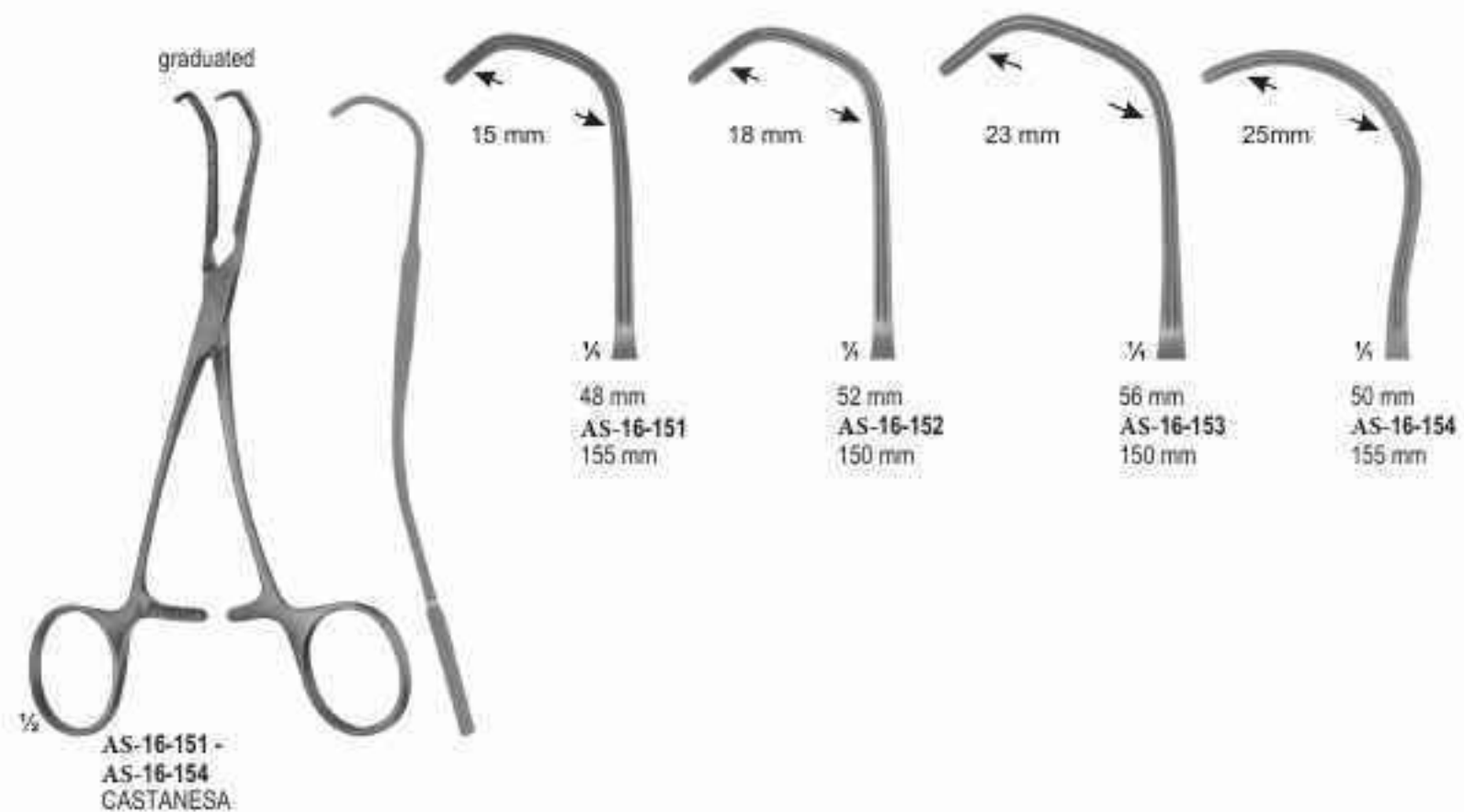
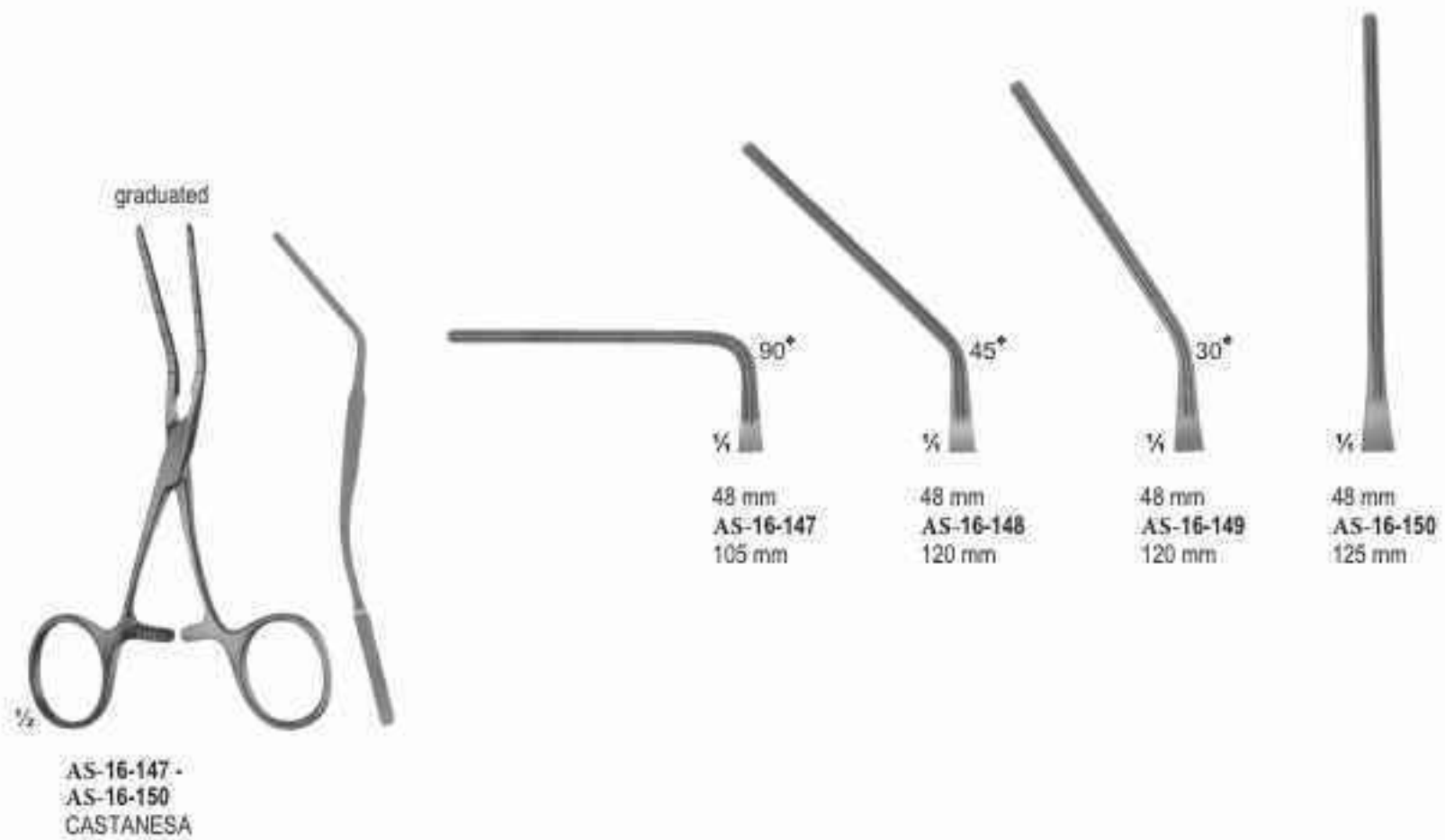
AS-16-144
DE-BAKEY
S-shaped curved
125 mm

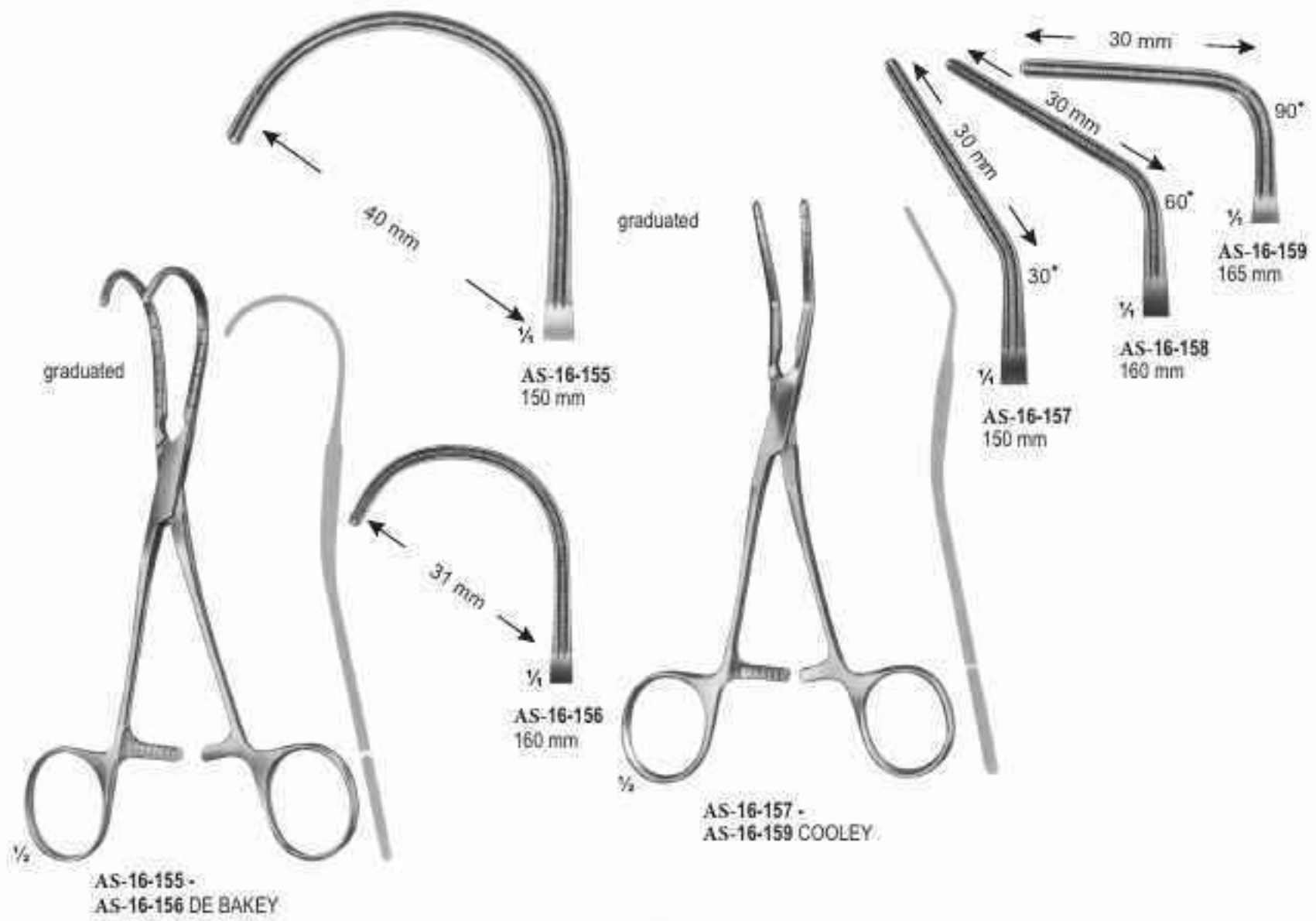


AS-16-145
DE-BAKEY
45° winklig gebogen
angled 45°
125 mm

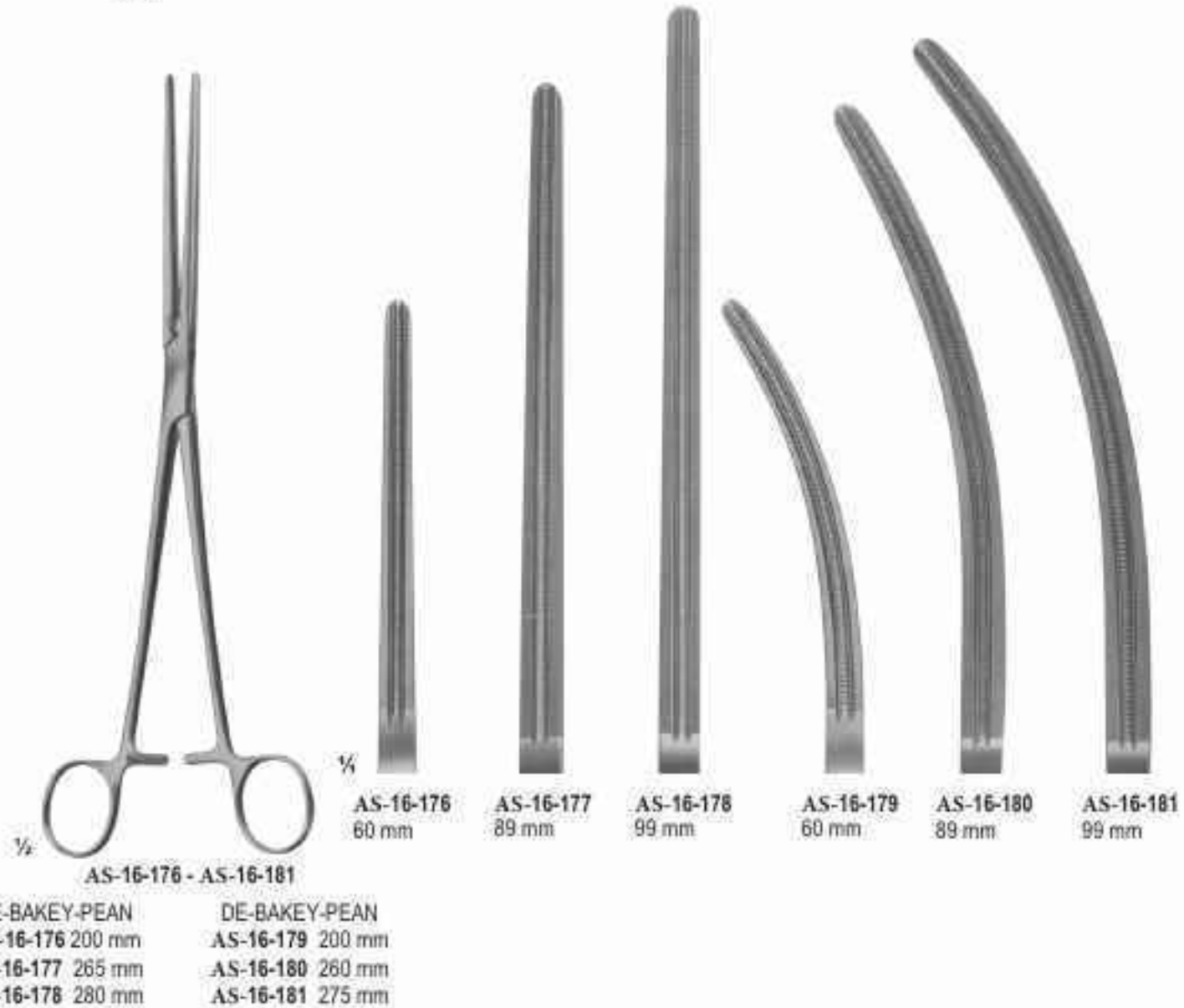


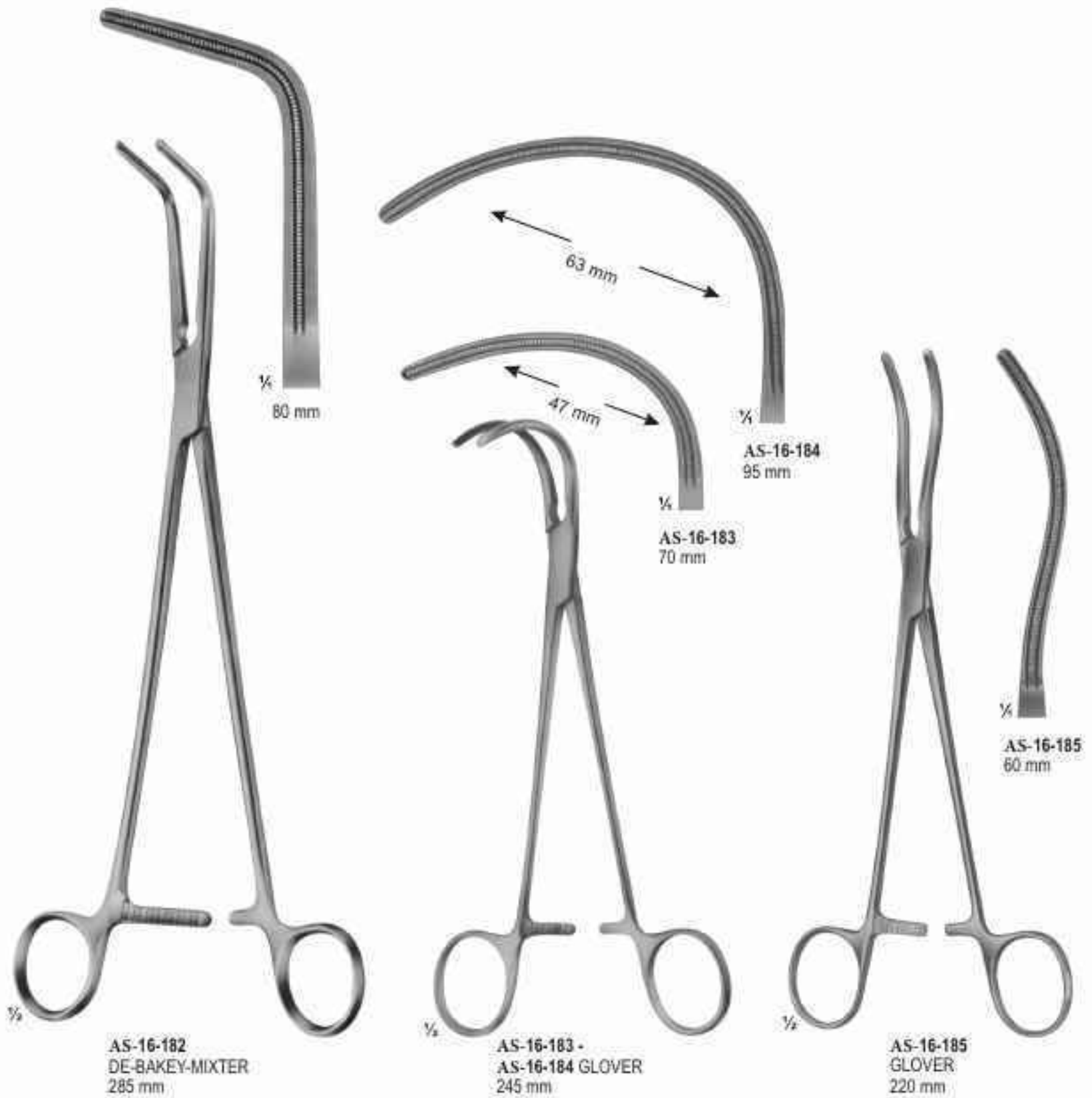
AS-16-146
DE-BAKEY
90° winklig gebogen
angled 90°
105 mm

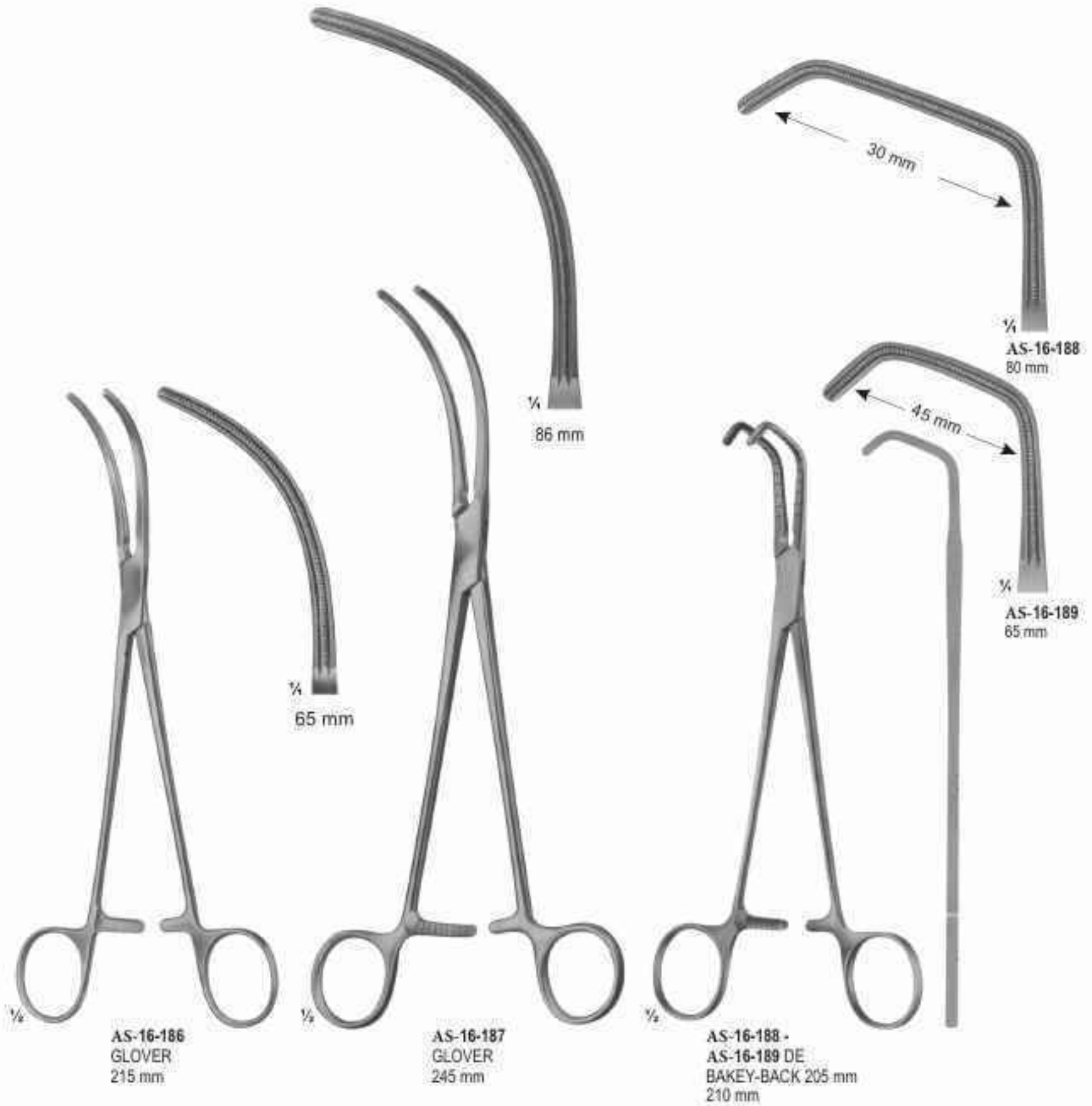












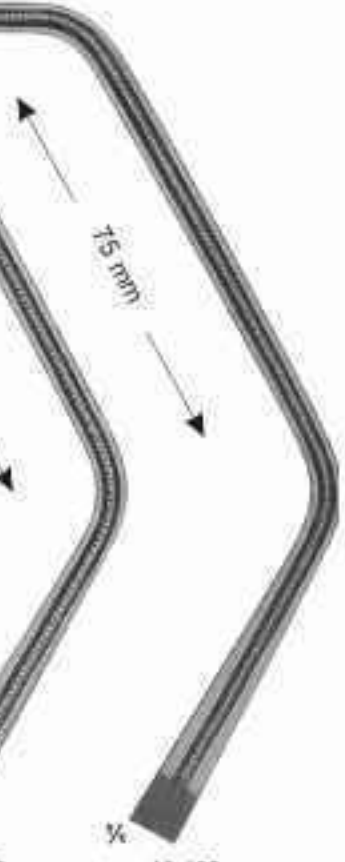
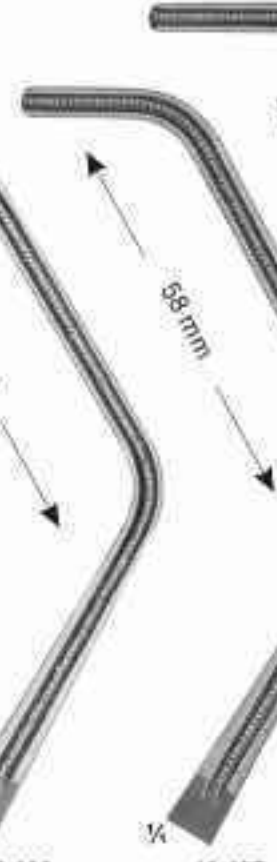
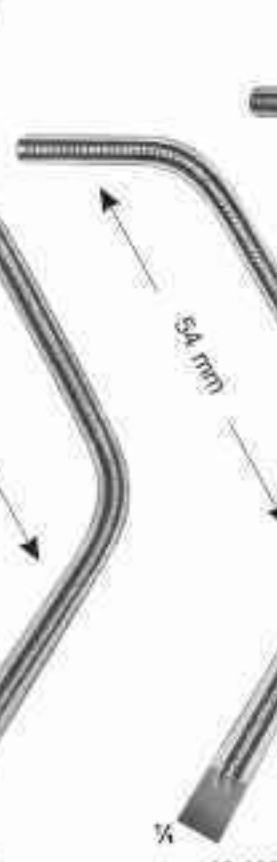
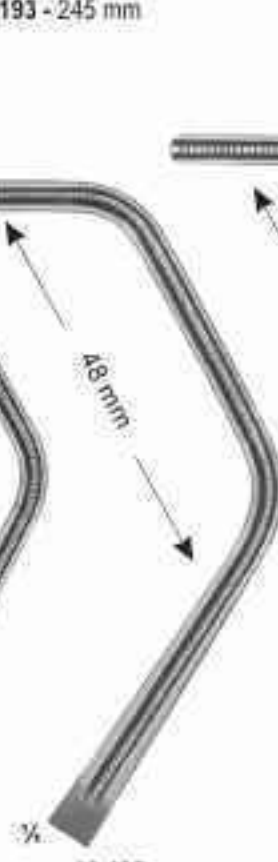
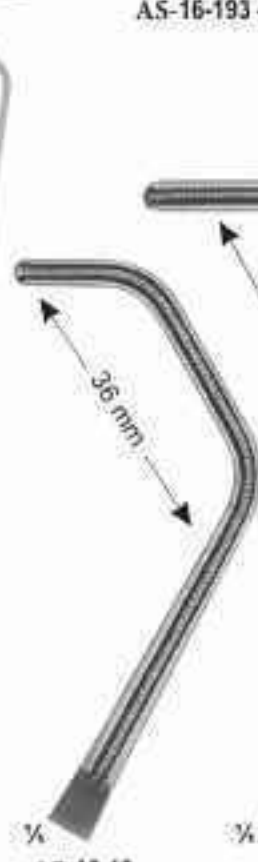


AS-16-190 -
AS-16-193 DE
BAKEY-HARKEN
AS-16-190 - 255 mm
AS-16-191 - 245 mm
AS-16-192 - 245 mm
AS-16-193 - 245 mm



AS-16-194 - AS-16-198
DE BAKEY

Total Length:
Length of jaws:



TATIC FORCEPS



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



AS-16-199
32 mm



AS-16-200
32 mm



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



AS-16-201
50 mm



AS-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



AS-16-203
60 mm



AS-16-204
89 mm



AS-16-205
99 mm



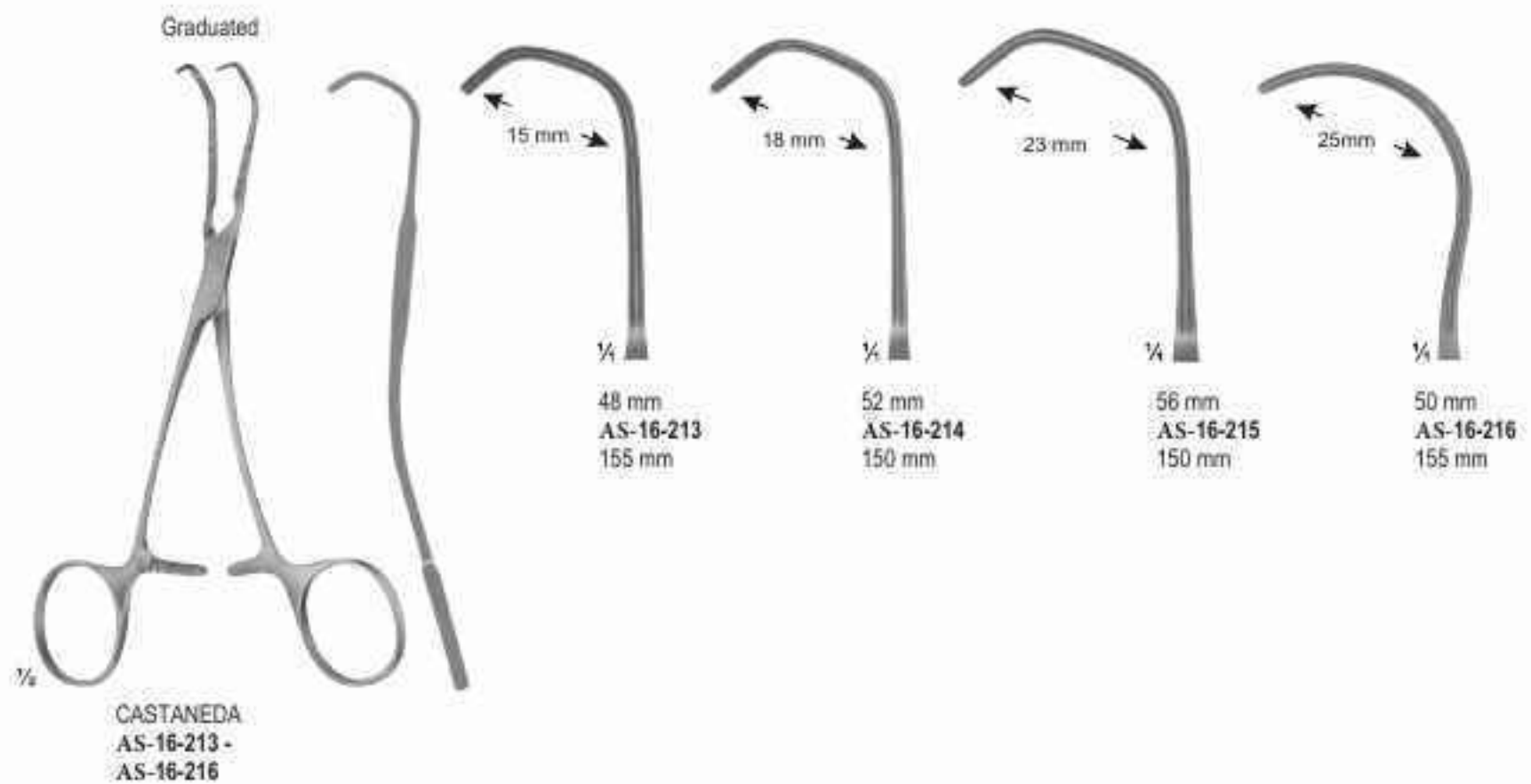
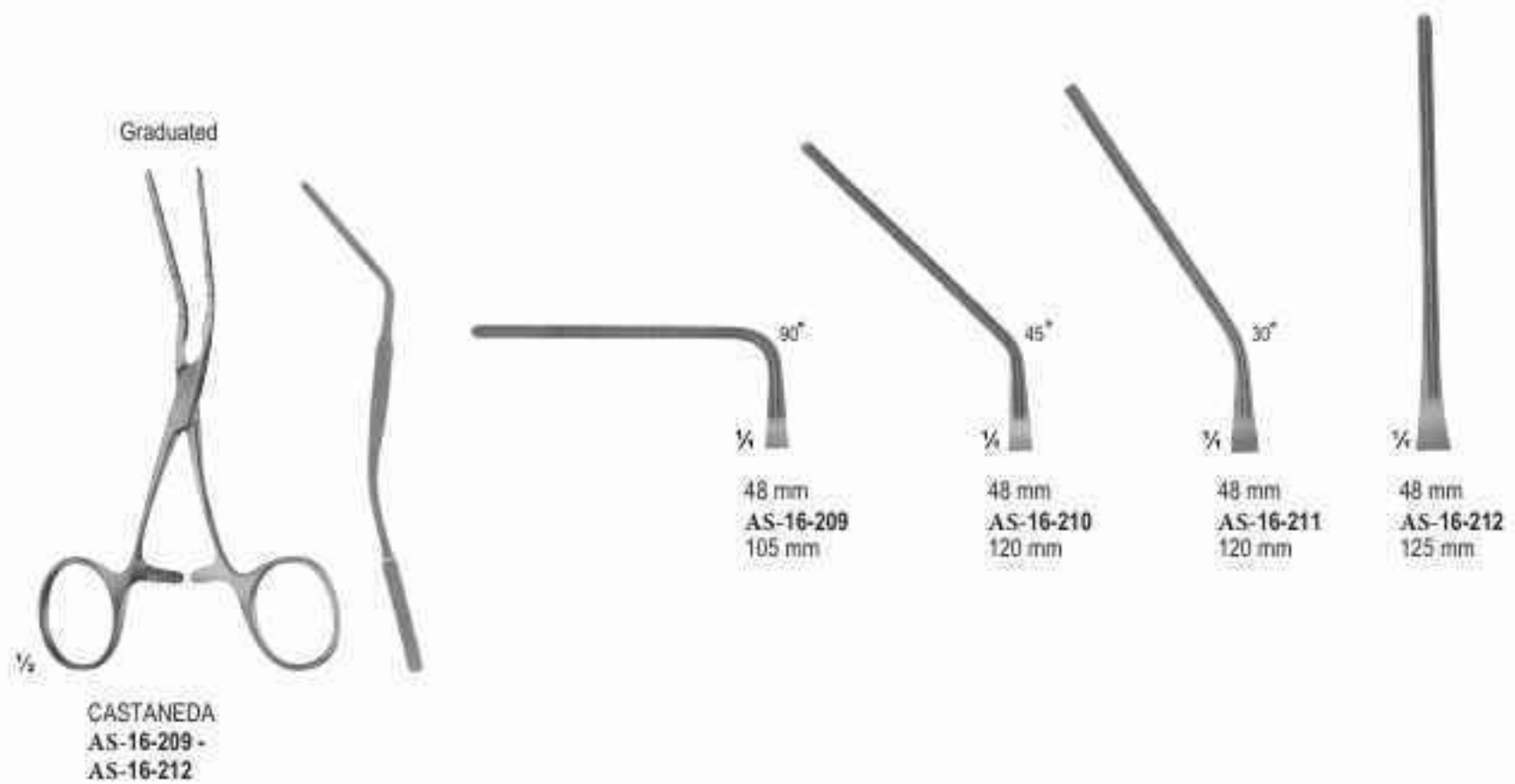
AS-16-206
60 mm



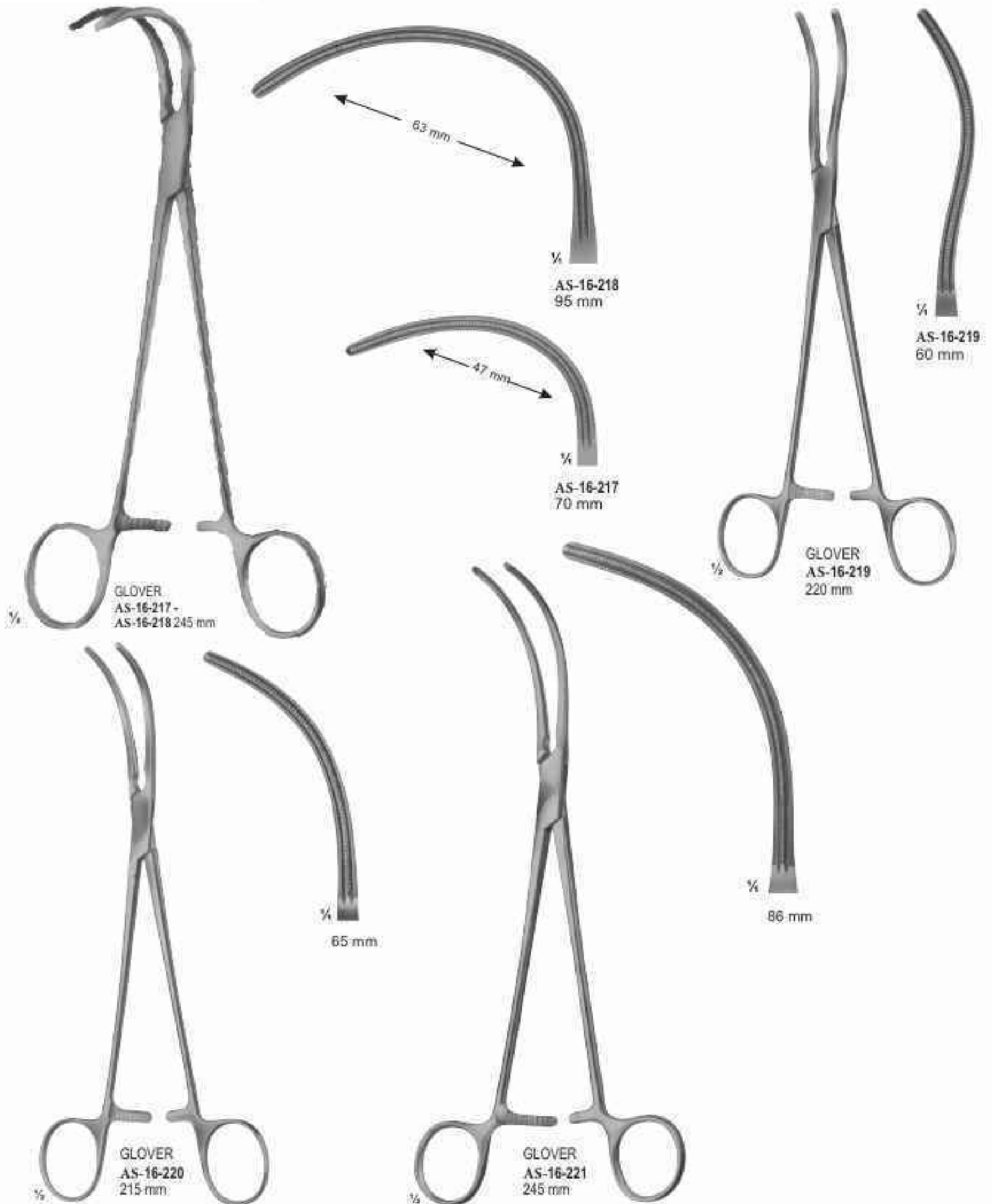
AS-16-207
89 mm



AS-16-208
99 mm



VENA-CAVA CLAMPS

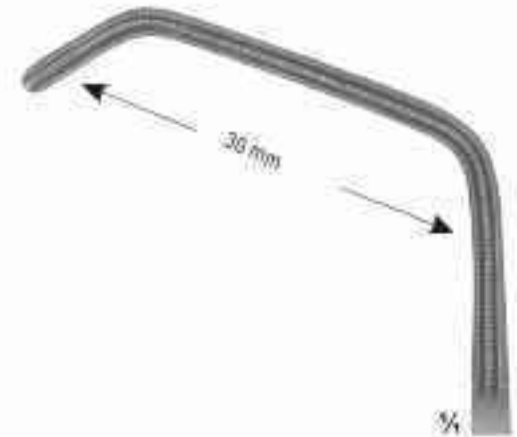




DE BAKEY-BACK
AS-16-222 20.5
cm AS-16-223 21
cm



AS-16-222
65 mm

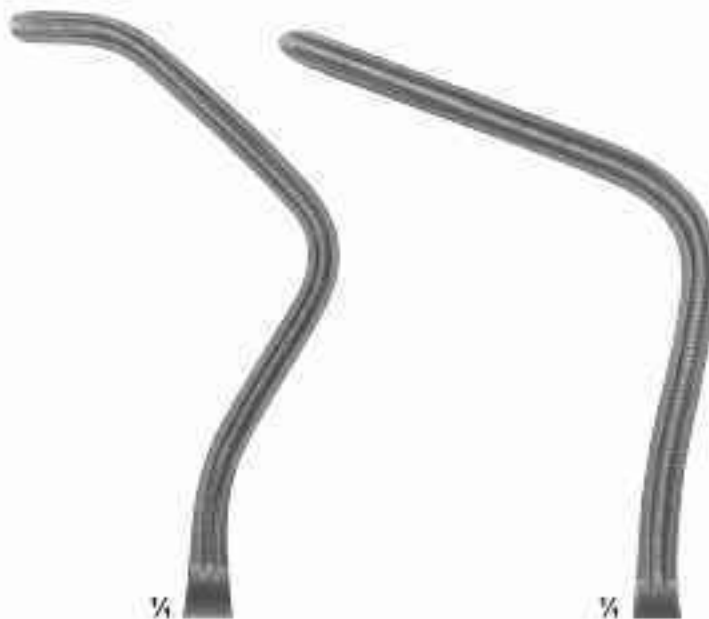


AS-16-223
80 mm



AS-16-224
86 mm

AS-16-225
86 mm

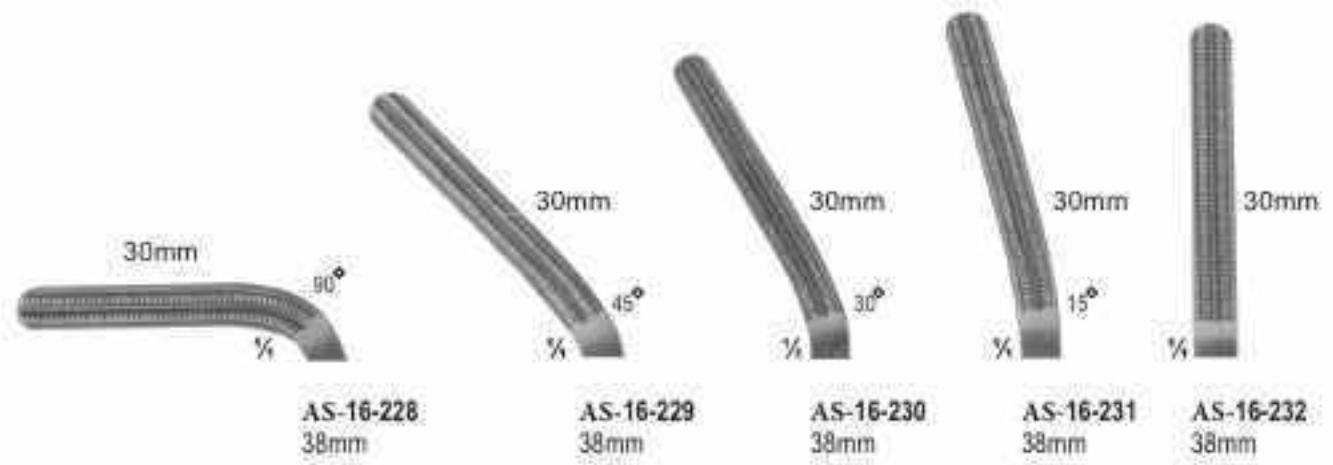


AS-16-226
86 mm

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

AS-16-229 15 cm

AS-16-230 15 cm

AS-16-231 14.5 cm

AS-16-232 13 cm

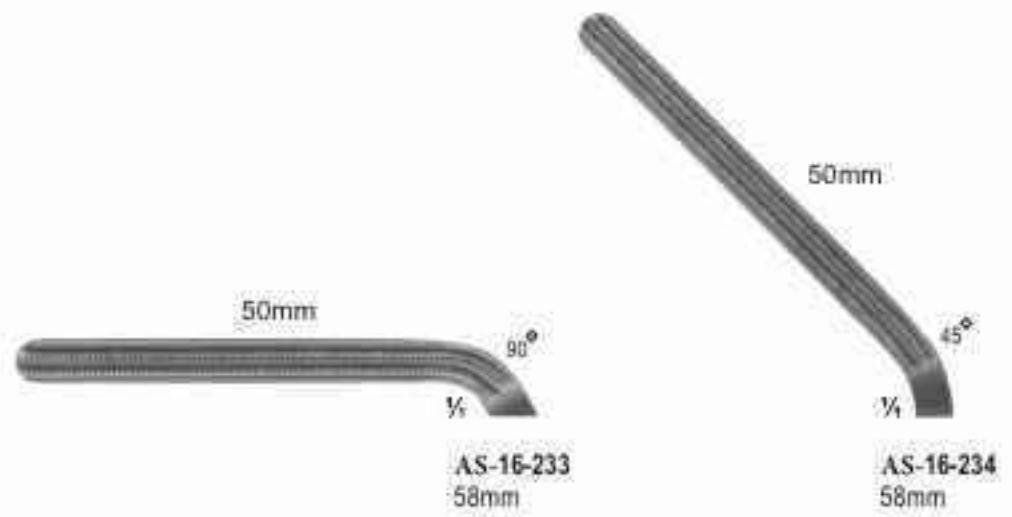
AS-16-233 17 cm

AS-16-234 17 cm

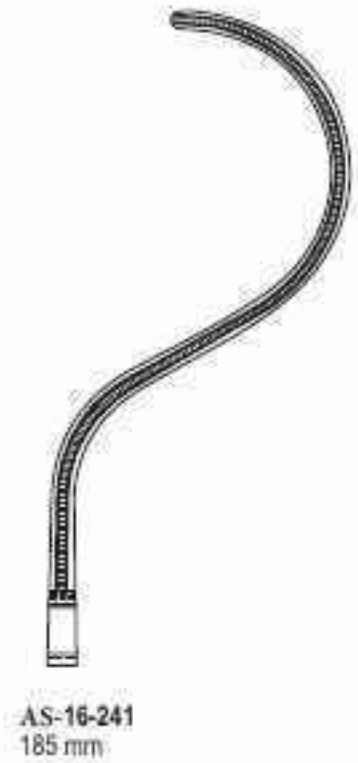
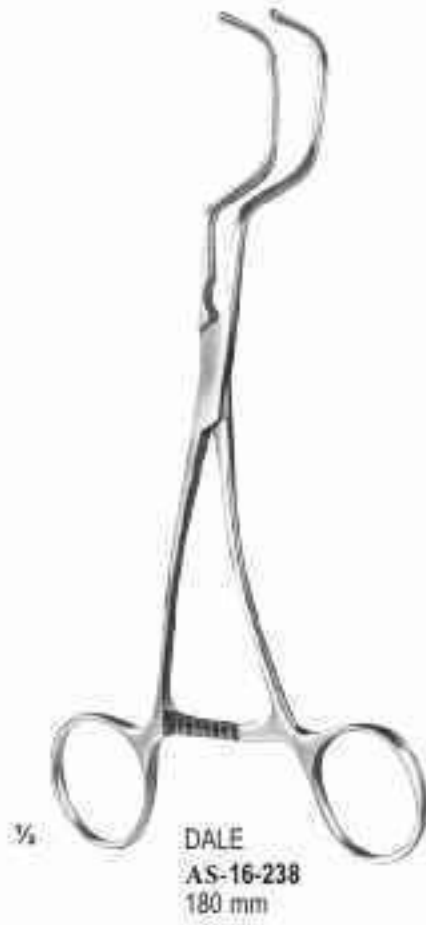
AS-16-235 17 cm

AS-16-236 16 cm

AS-16-237 13.5 cm



ATRAUMA

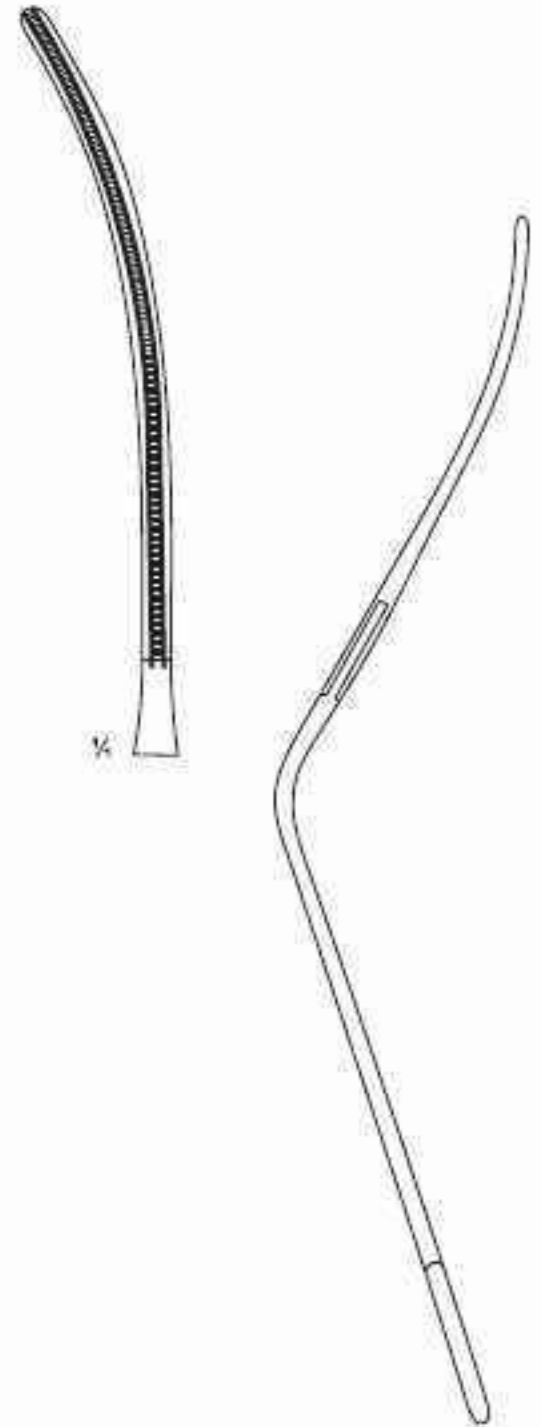


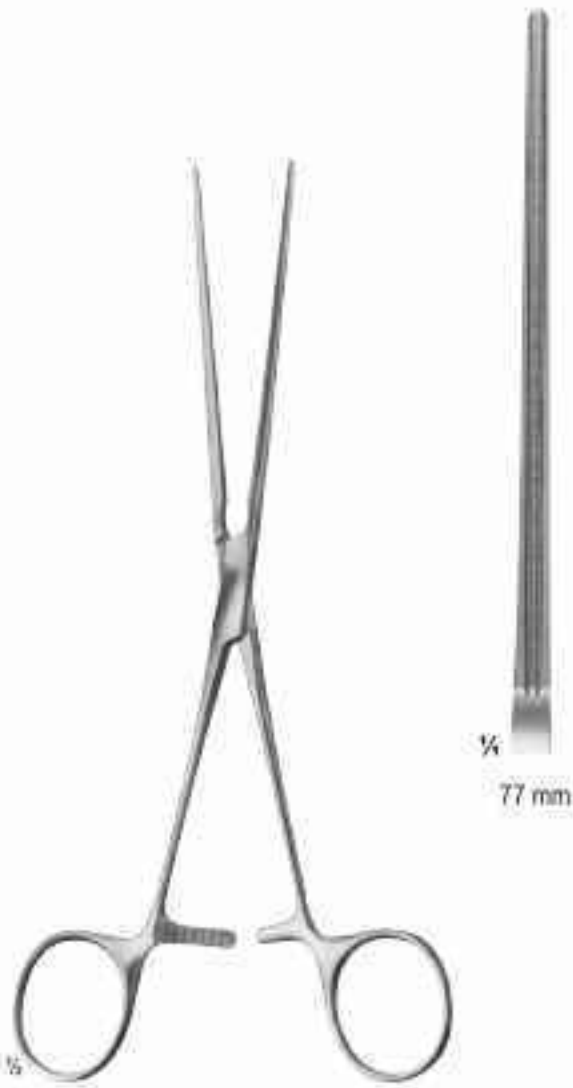


WYLIE
AS-16-242
240 mm



WYLIE
AS-16-243
270 mm





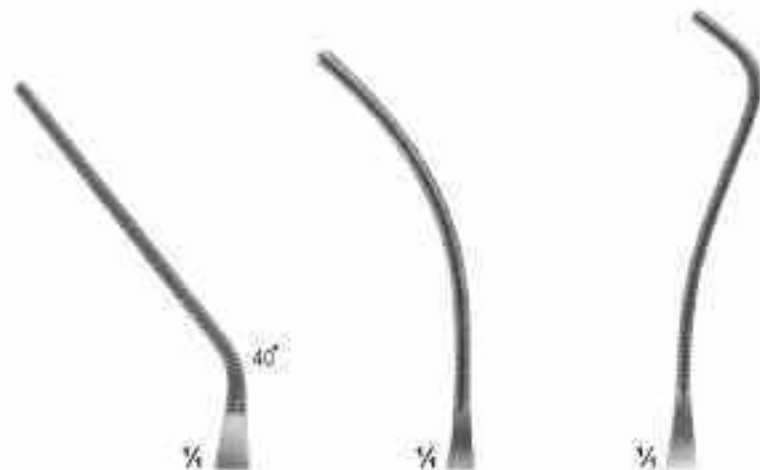
LELAND-JONES
AS-16-244
195 mm



DE BAKEY
AS-16-245
200 mm
Liac Clamp



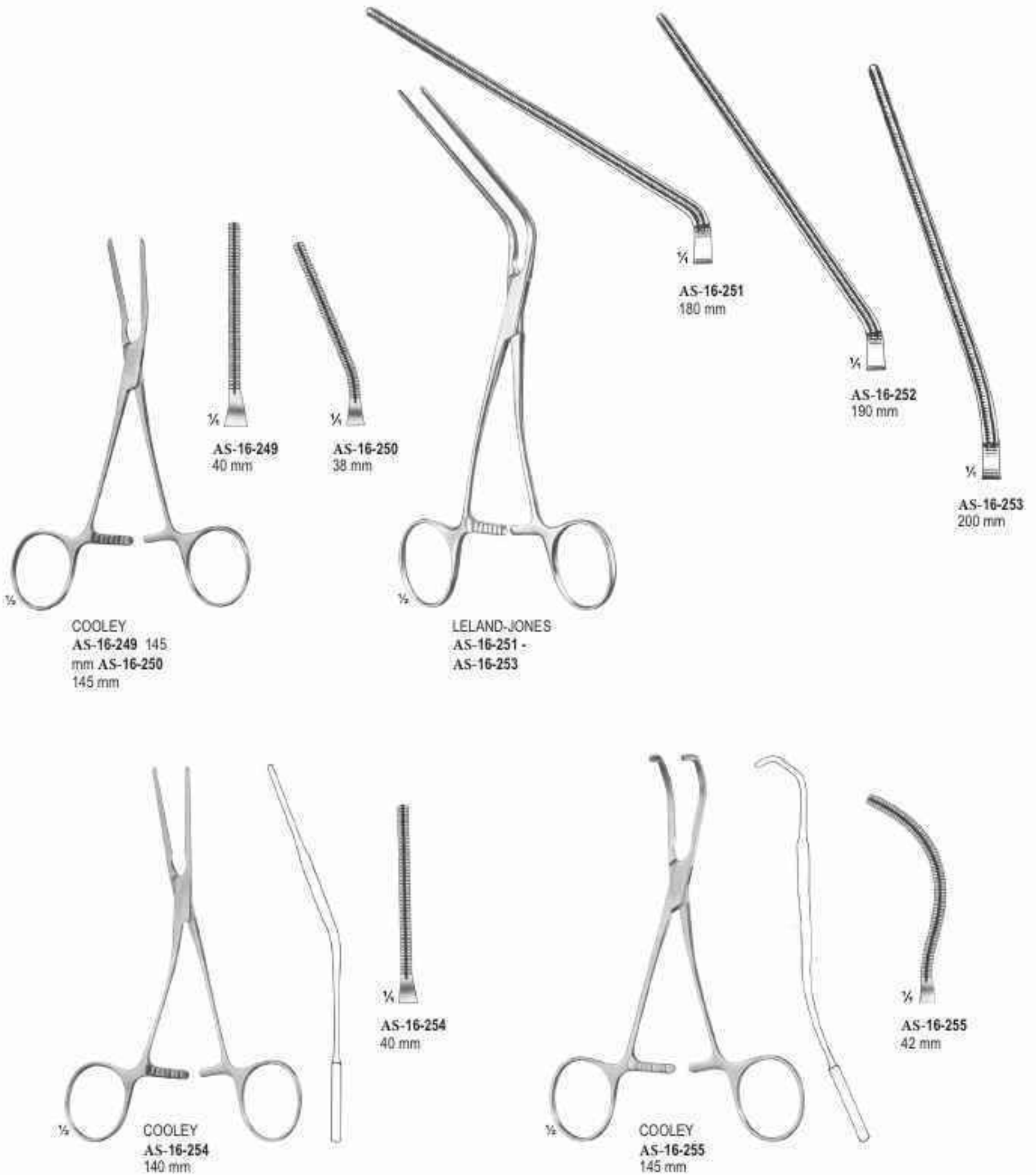
COOLEY
AS-16-246 120 mm
AS-16-247 125 mm
AS-16-248 125 mm

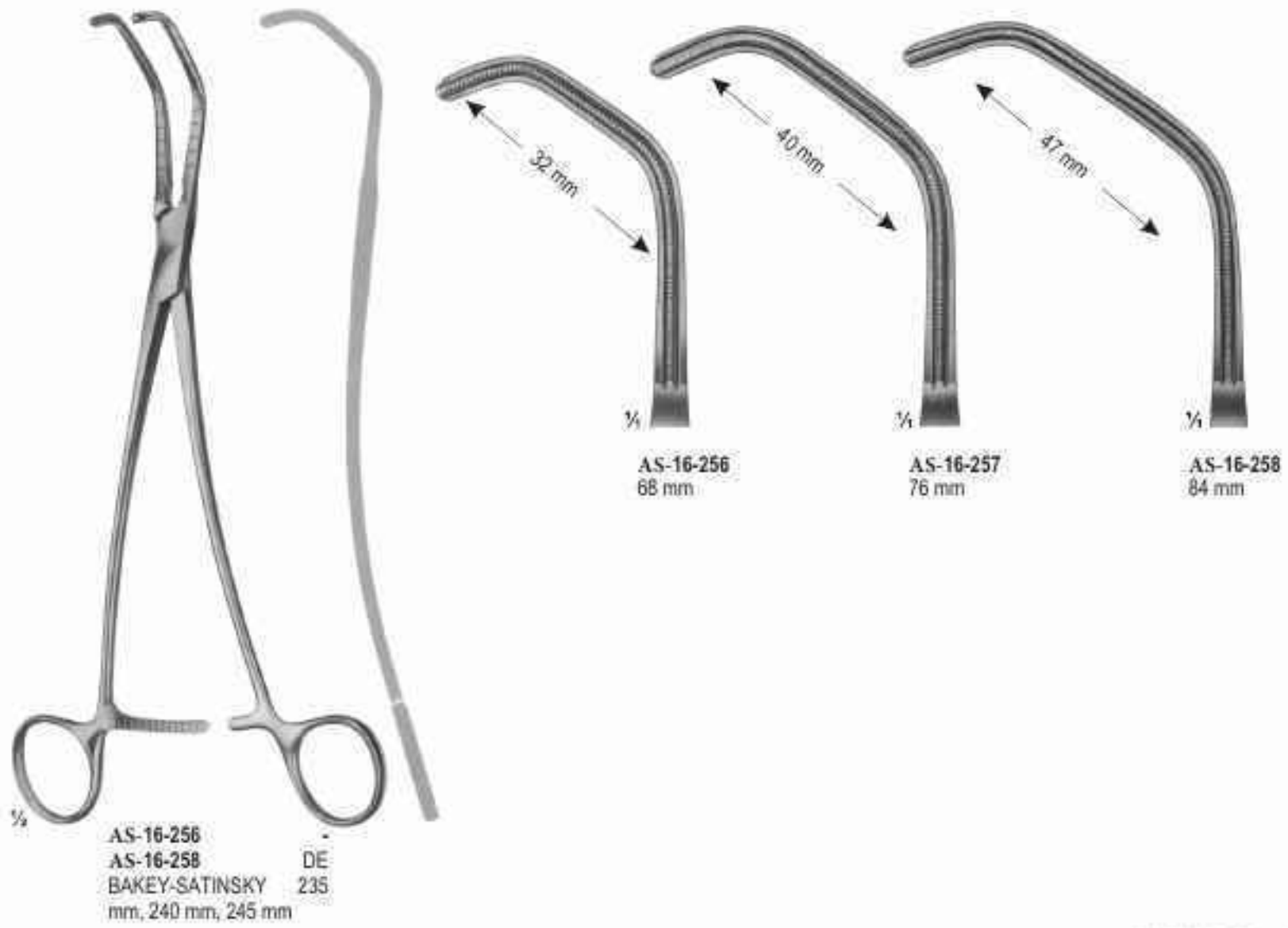


AS-16-246
50 mm

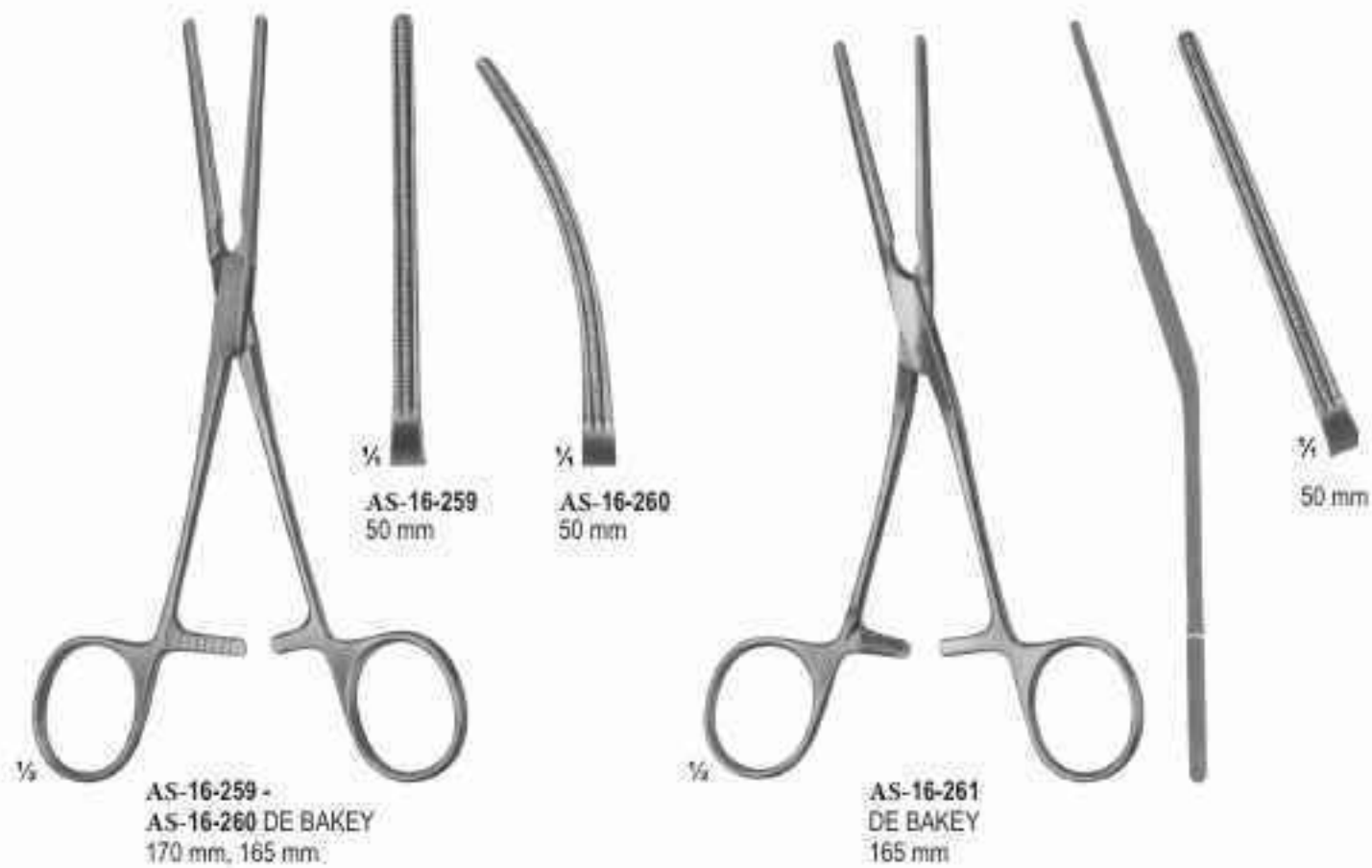
AS-16-247
50 mm

AS-16-248
52 mm





VASCULAR CLAMPS





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

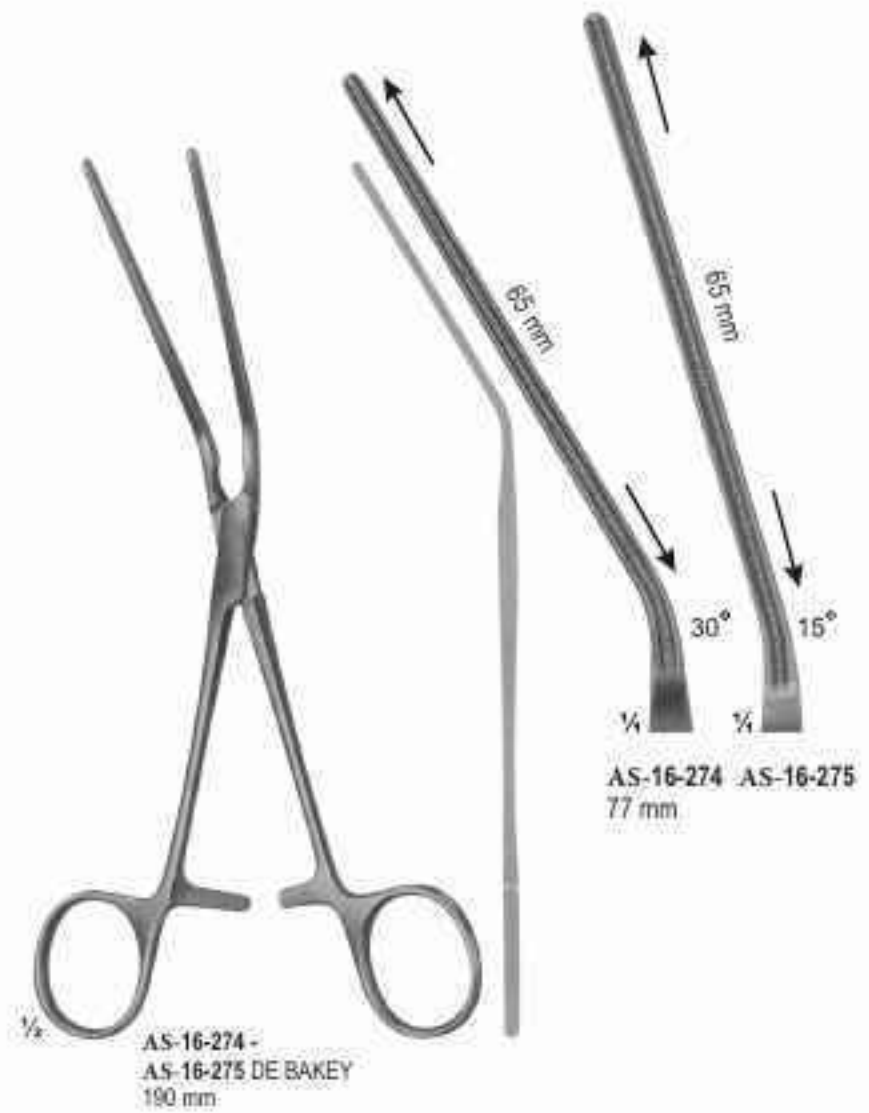
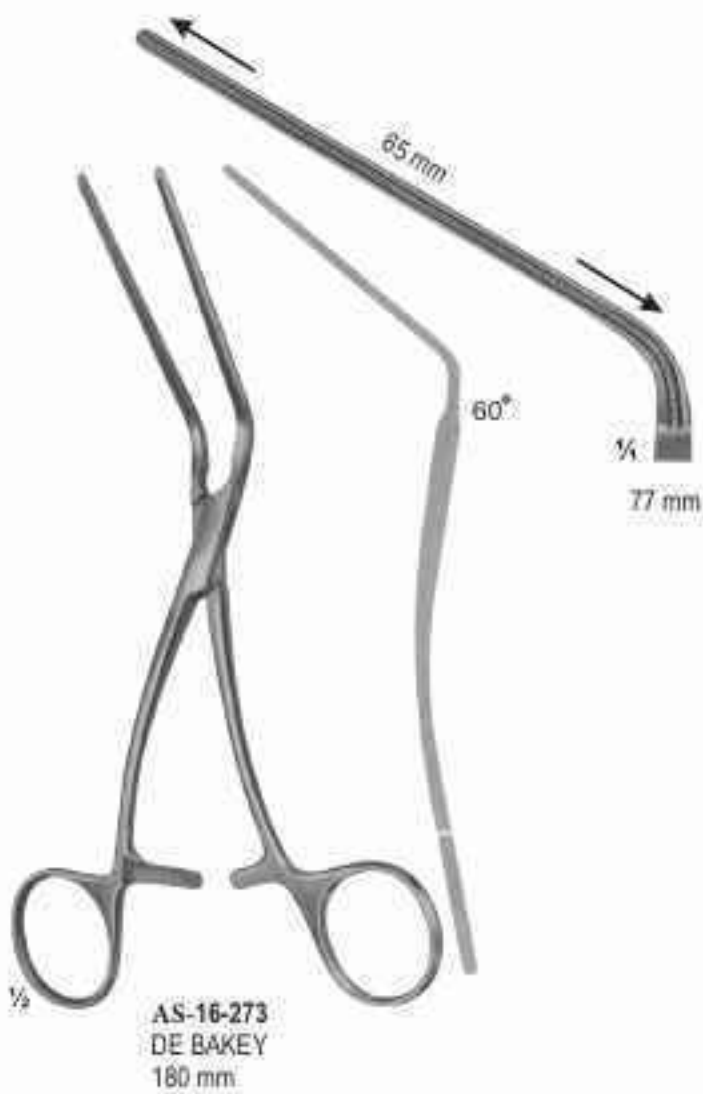
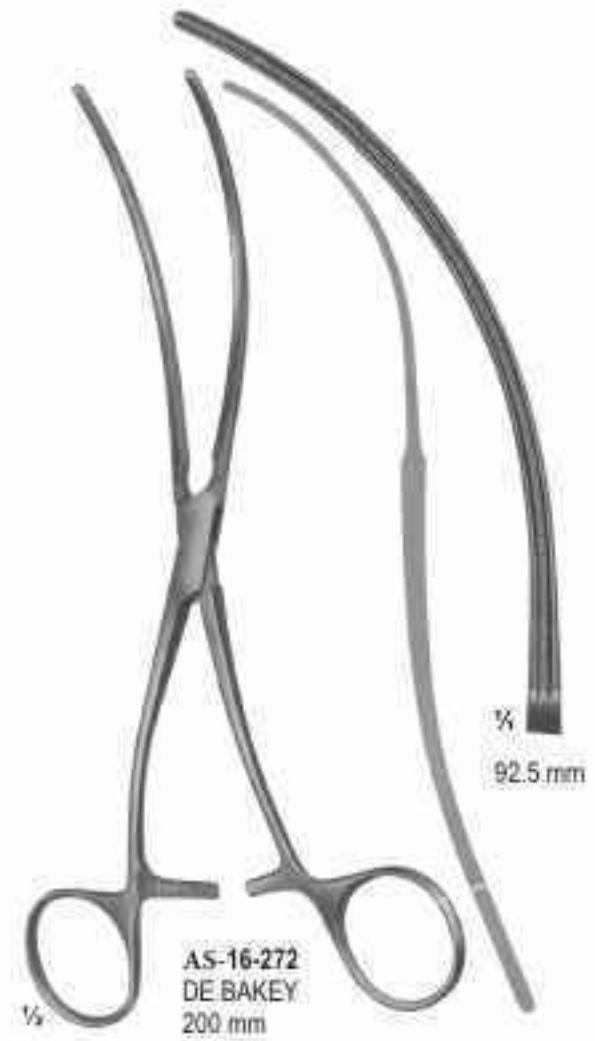
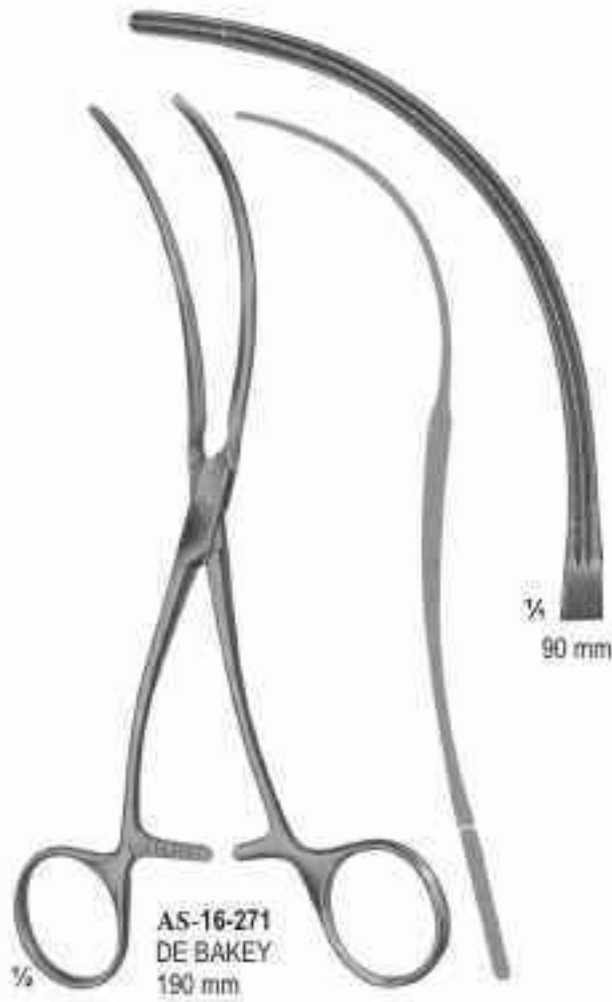


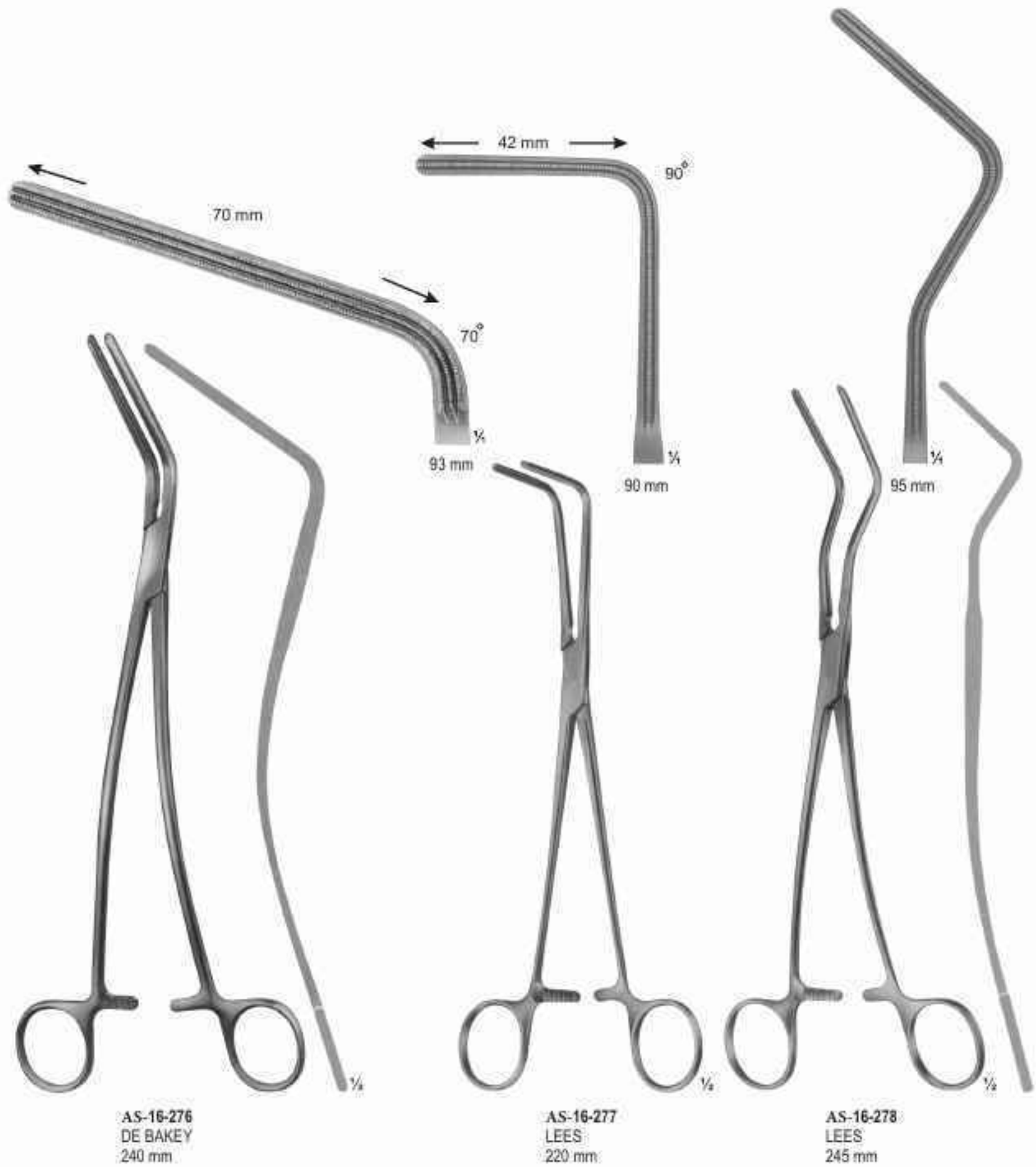
15°
1/4
51 mm

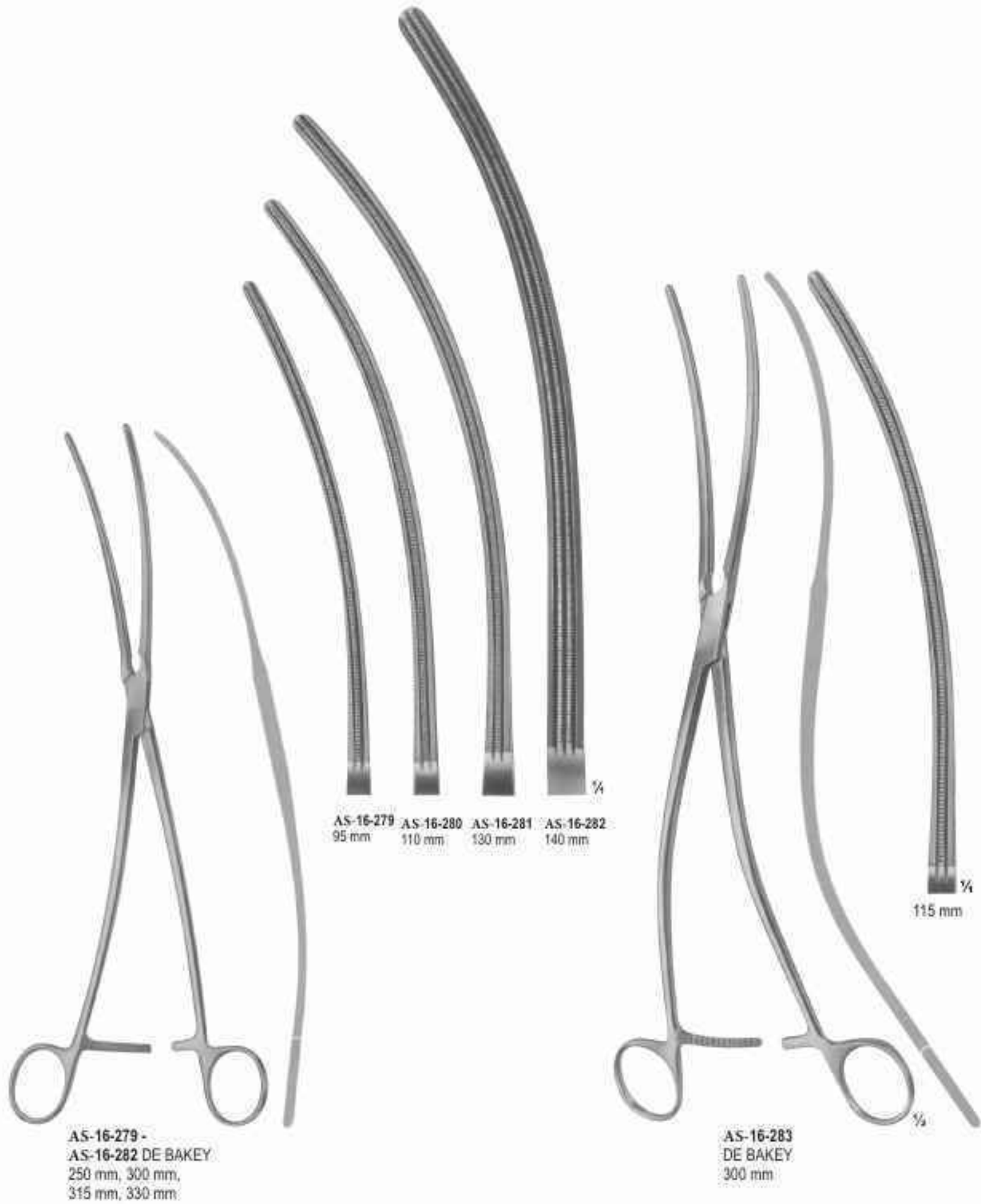


AS-16-270
DE BAKEY
180 mm

1/4
56 mm

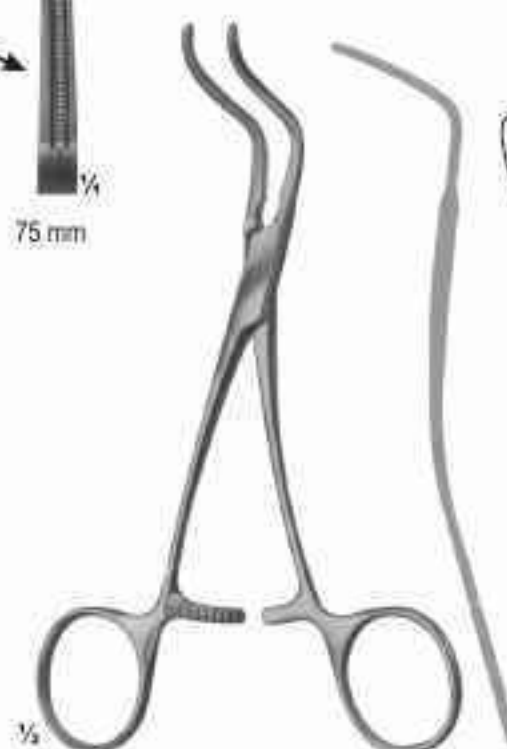




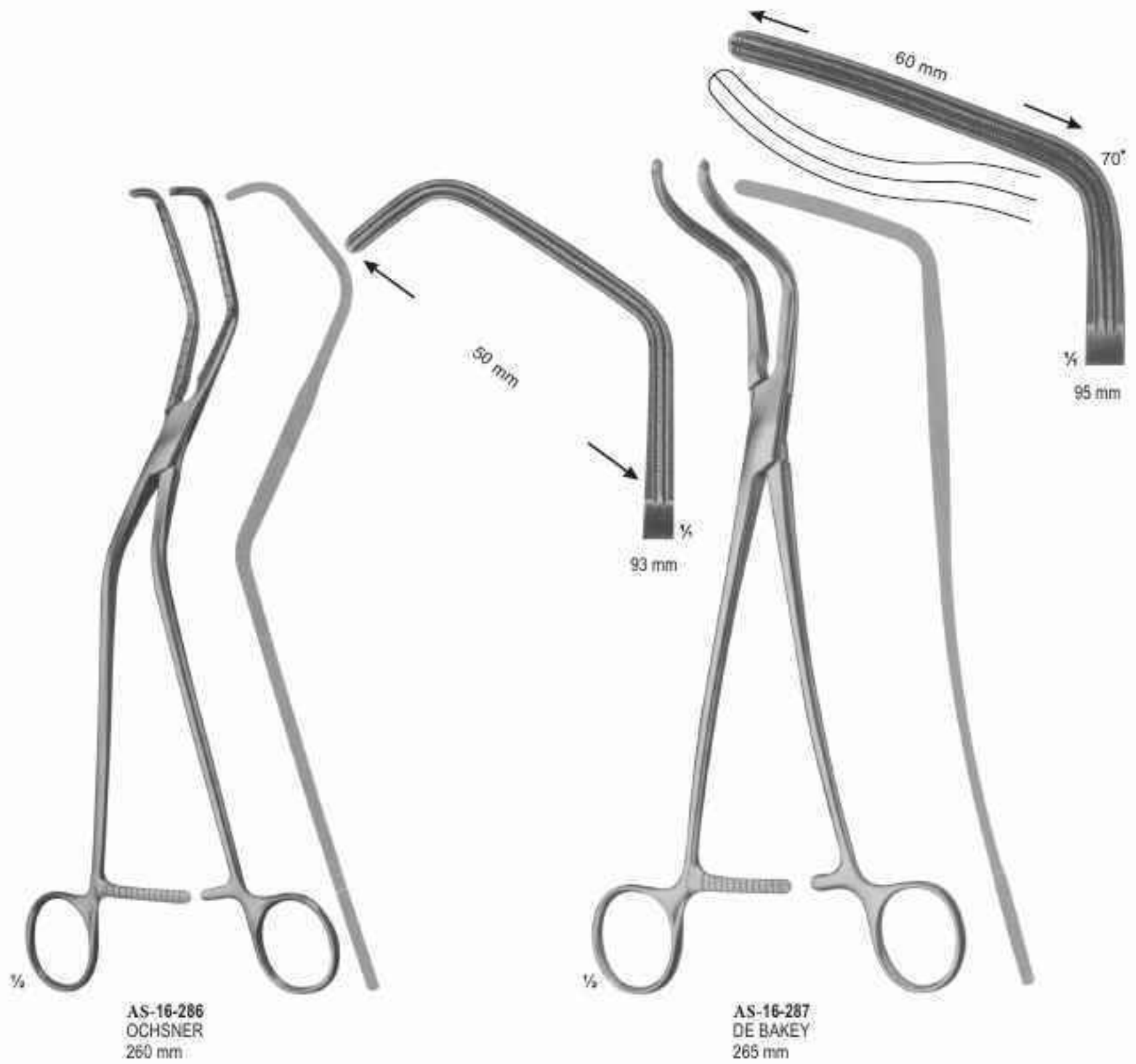




AS-16-284
DIETHRICH
210 mm



AS-16-285
SUBRAMANIAN
155 mm





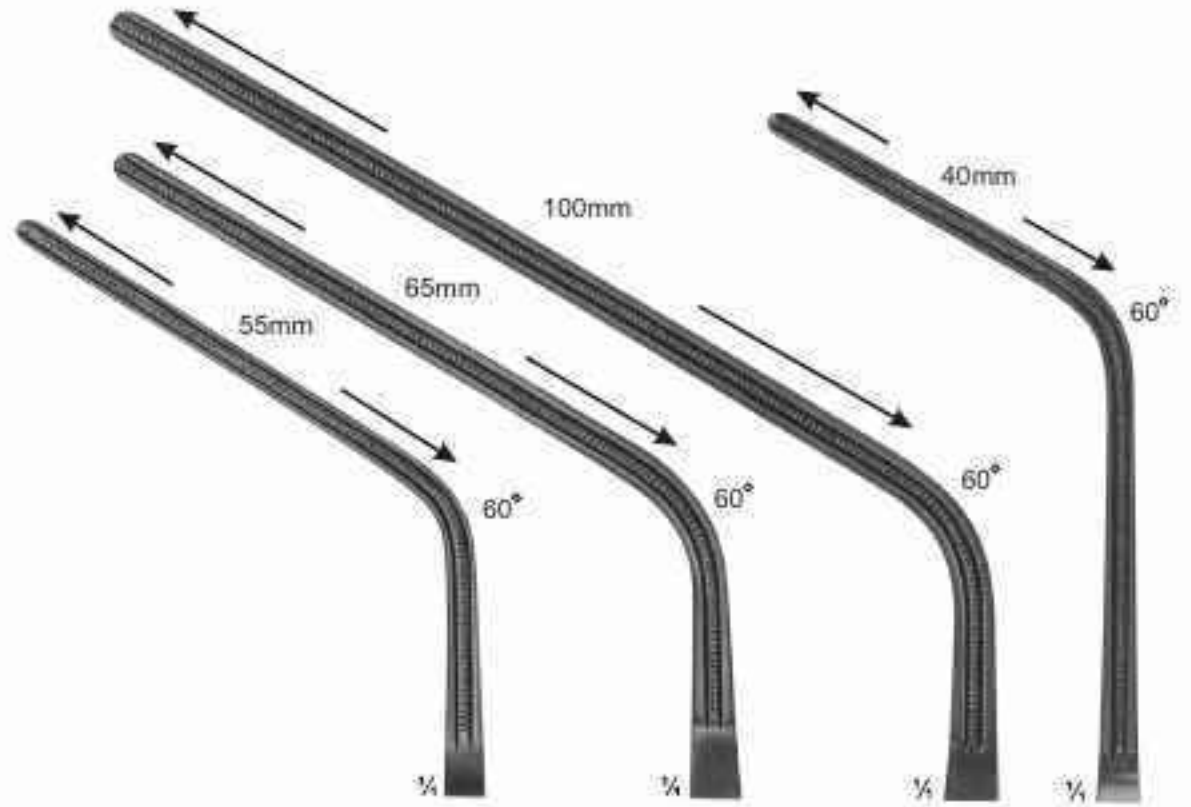
AS-16-288
WEBER
265 mm



AS-16-289
WEBER
265 mm



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

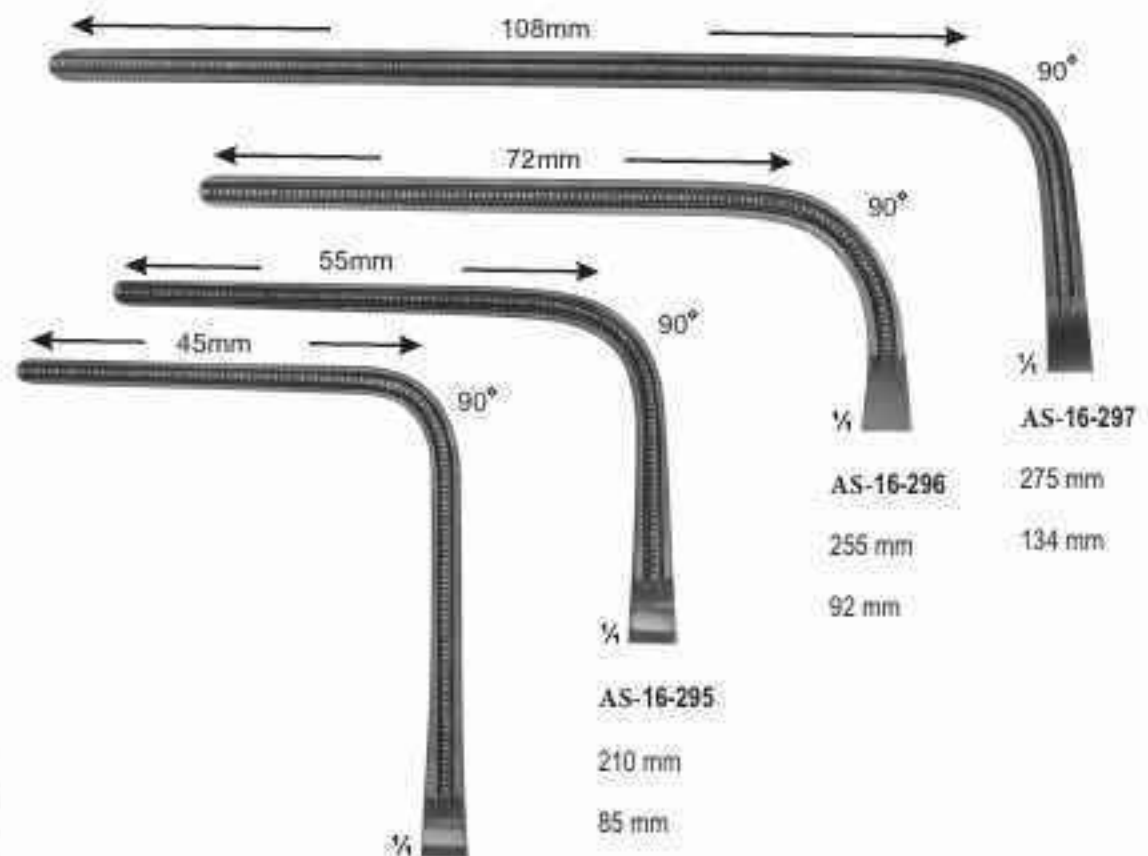


AS-16-290 AS-16-291 AS-16-292 AS-16-293

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

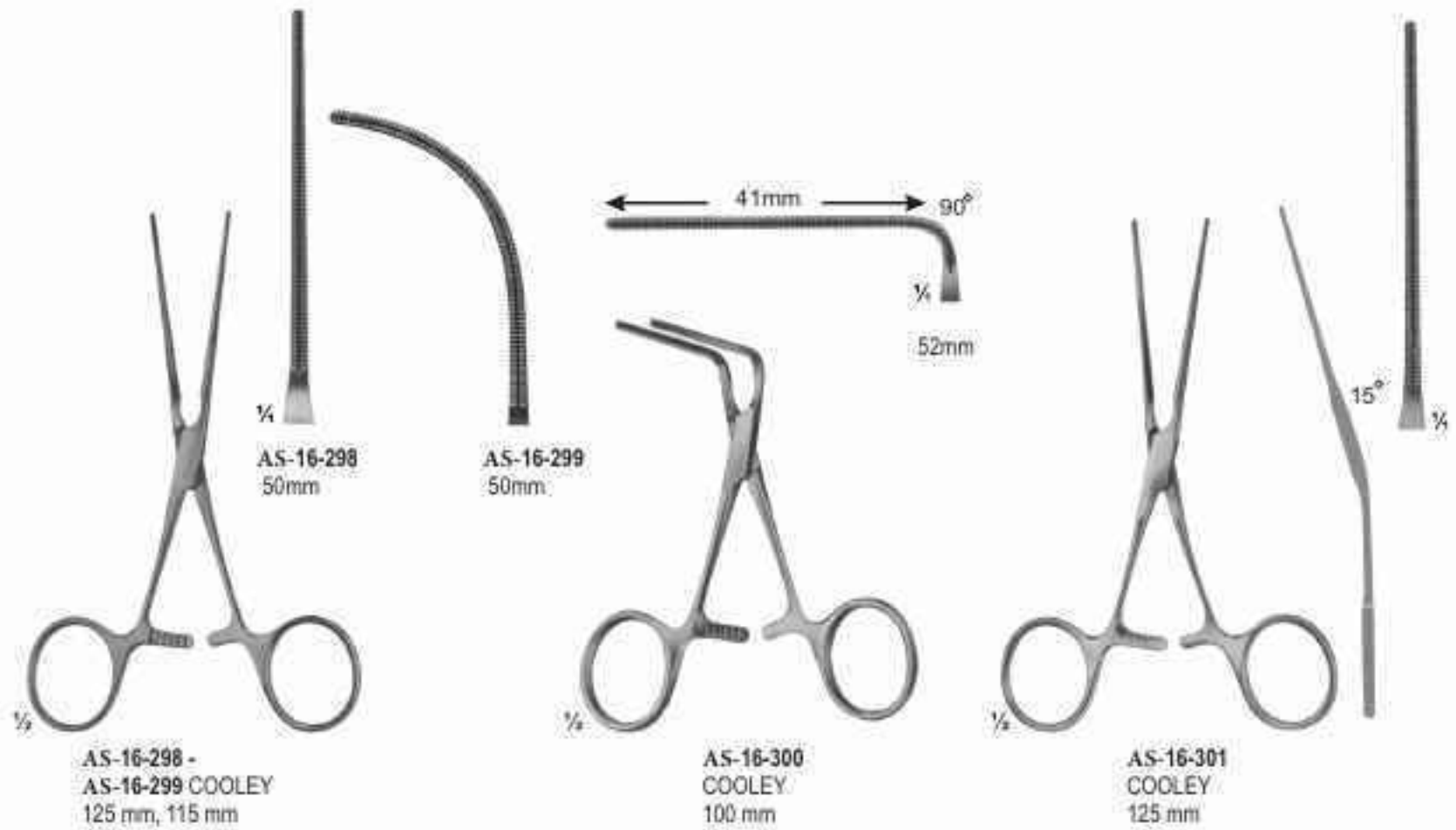


AS-16-294 -
AS-16-297 DE BAKEY

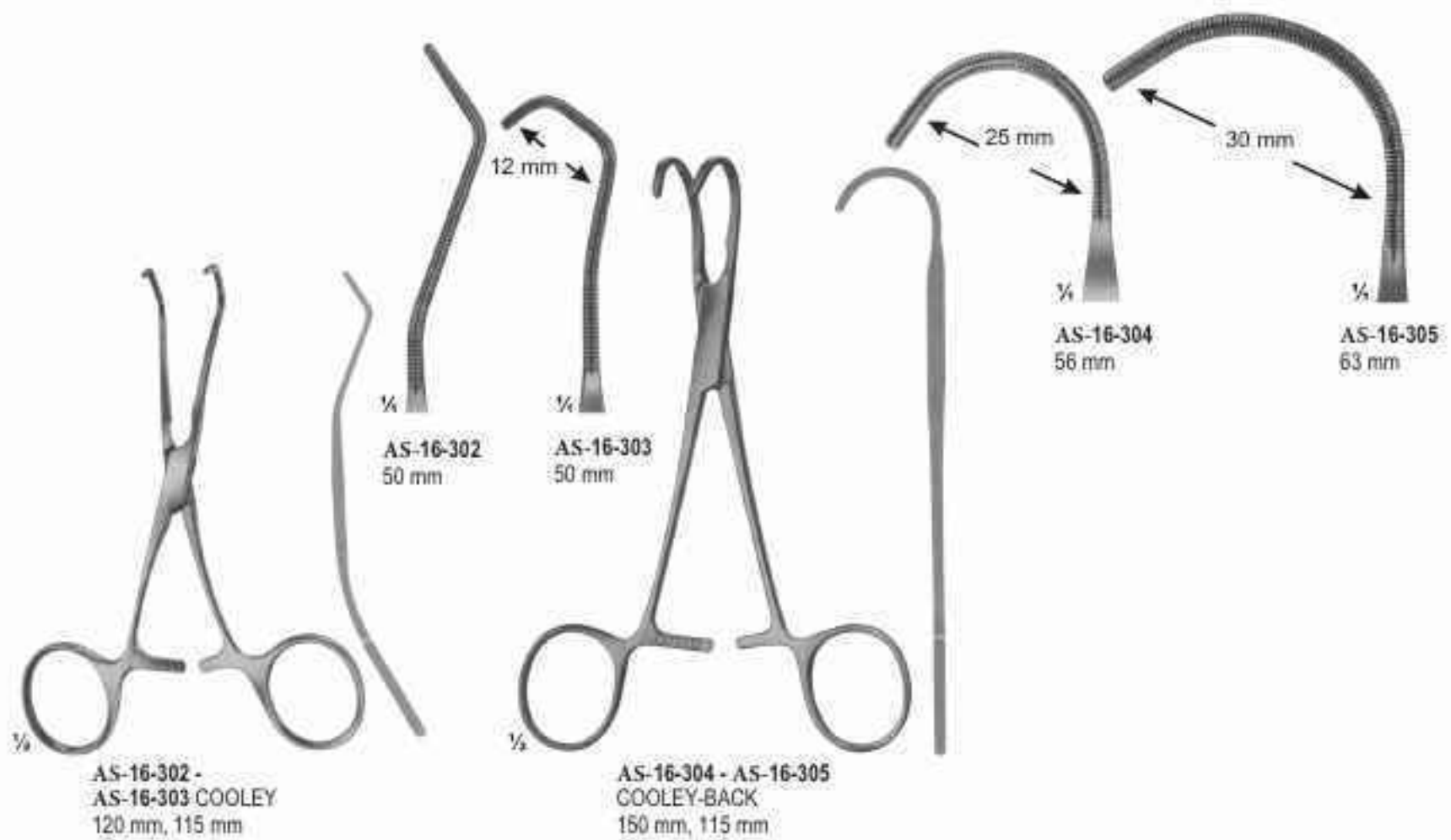


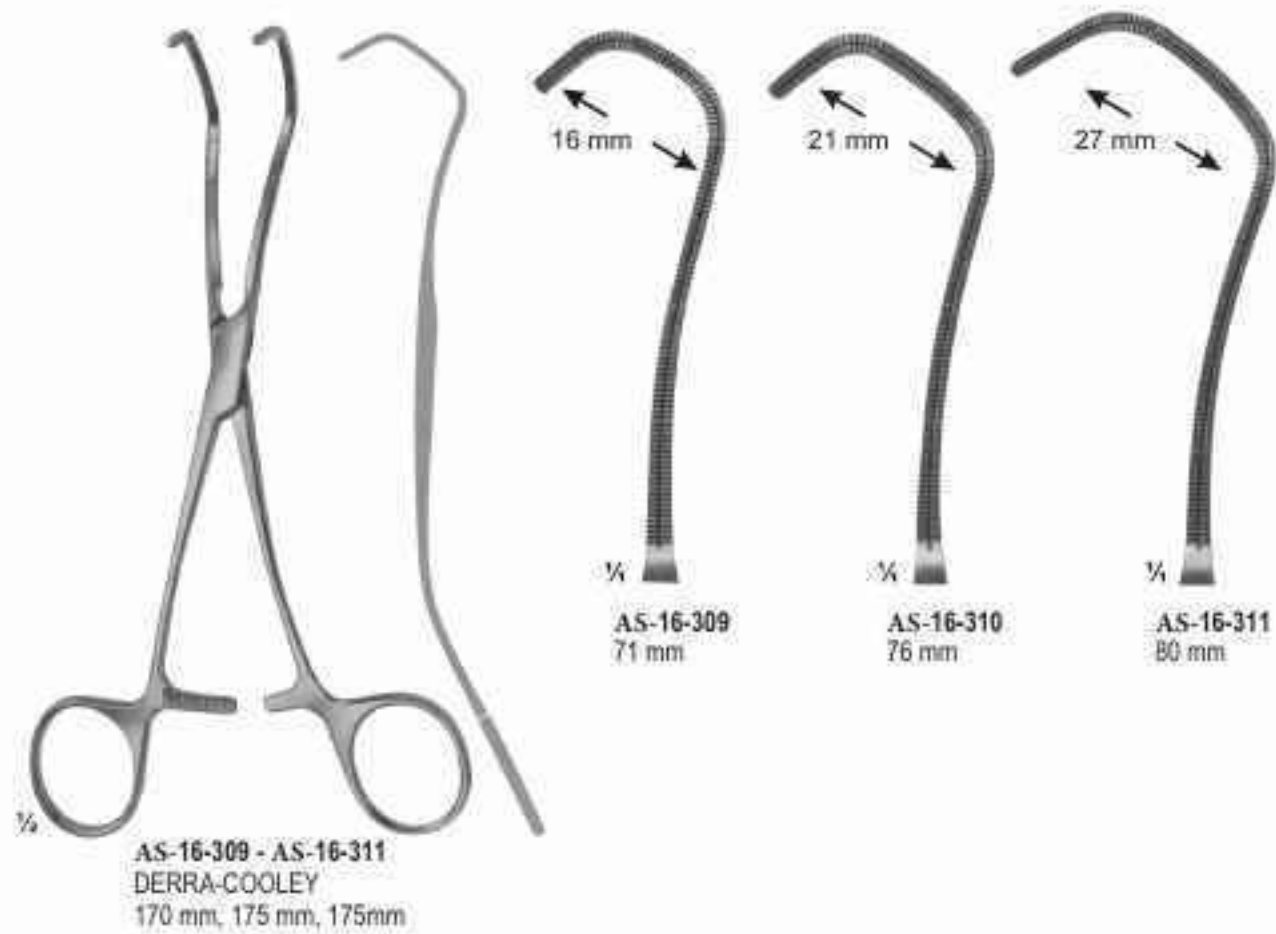
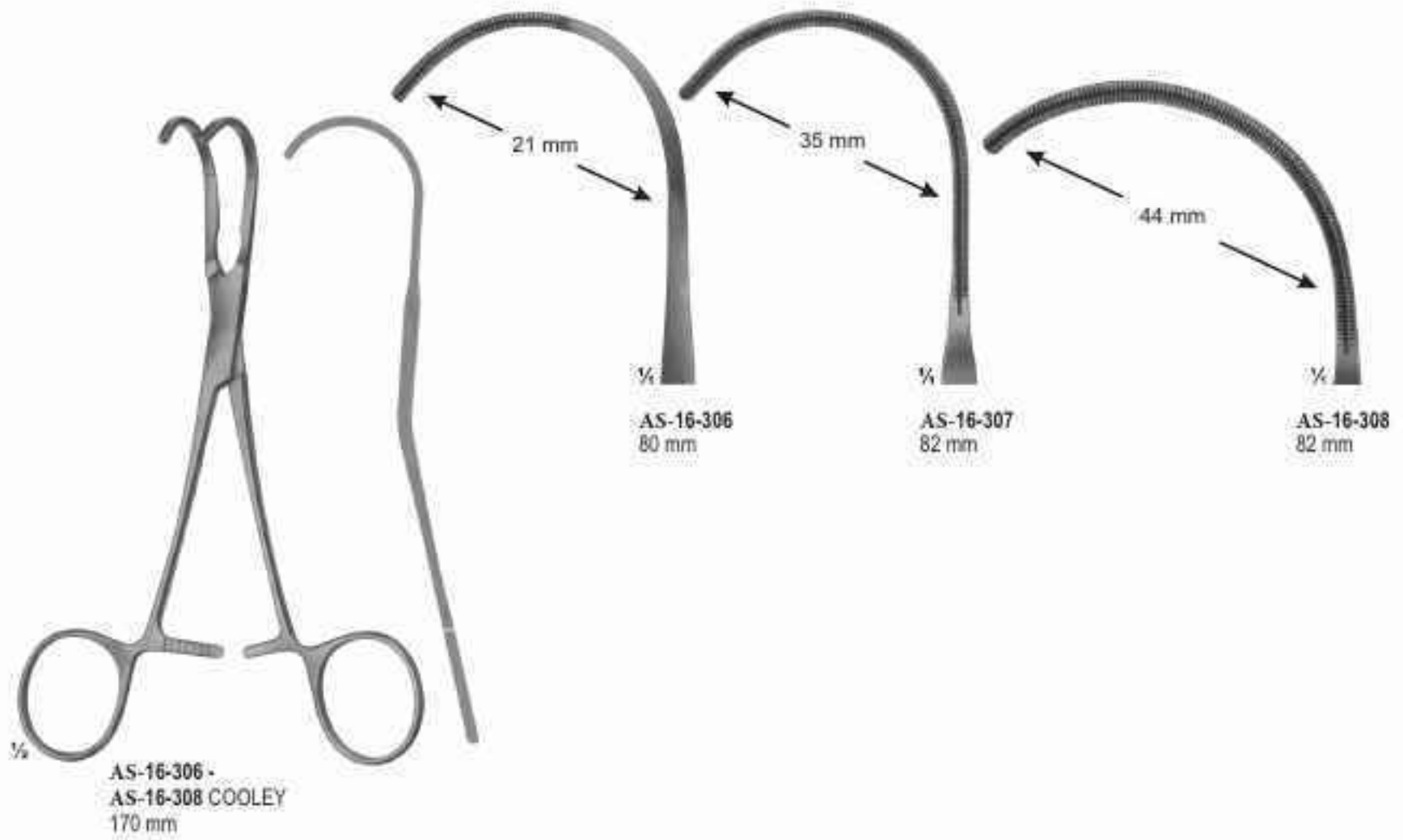
AS-16-294 AS-16-295 AS-16-296 AS-16-297

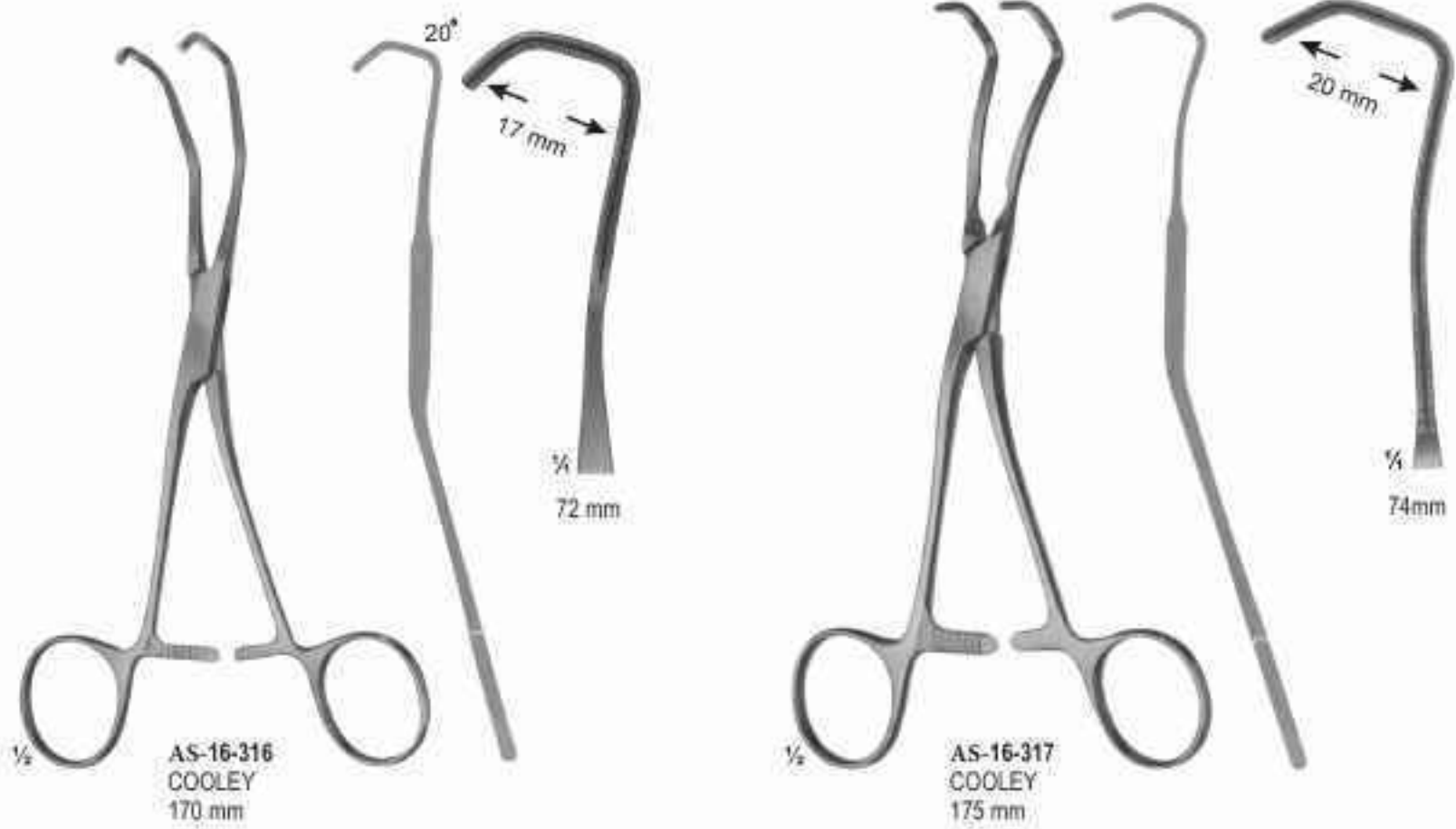
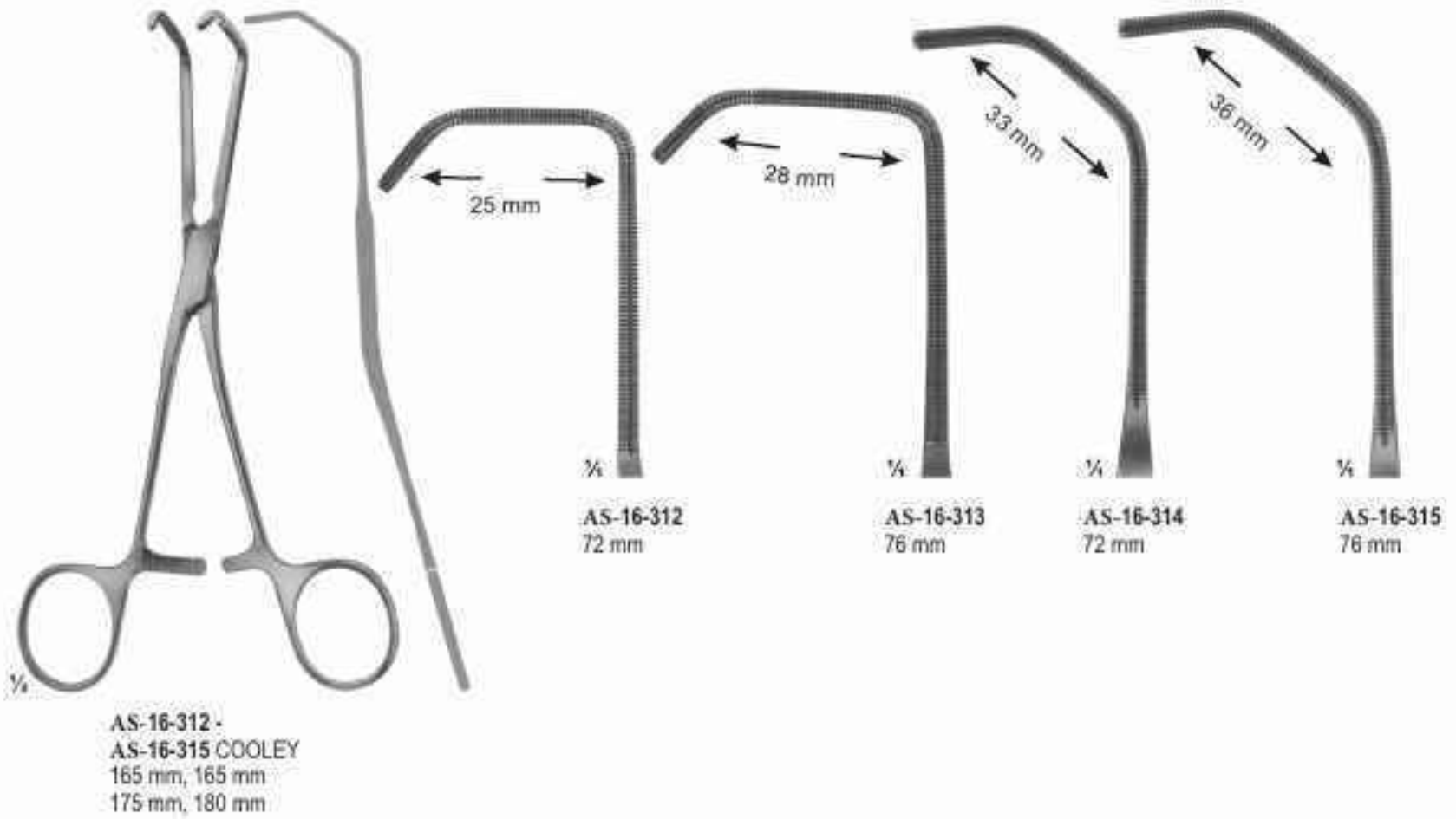
Total Length:	225 mm	255 mm	275 mm	275 mm
Length of jaws:	93 mm	85 mm	134 mm	134 mm

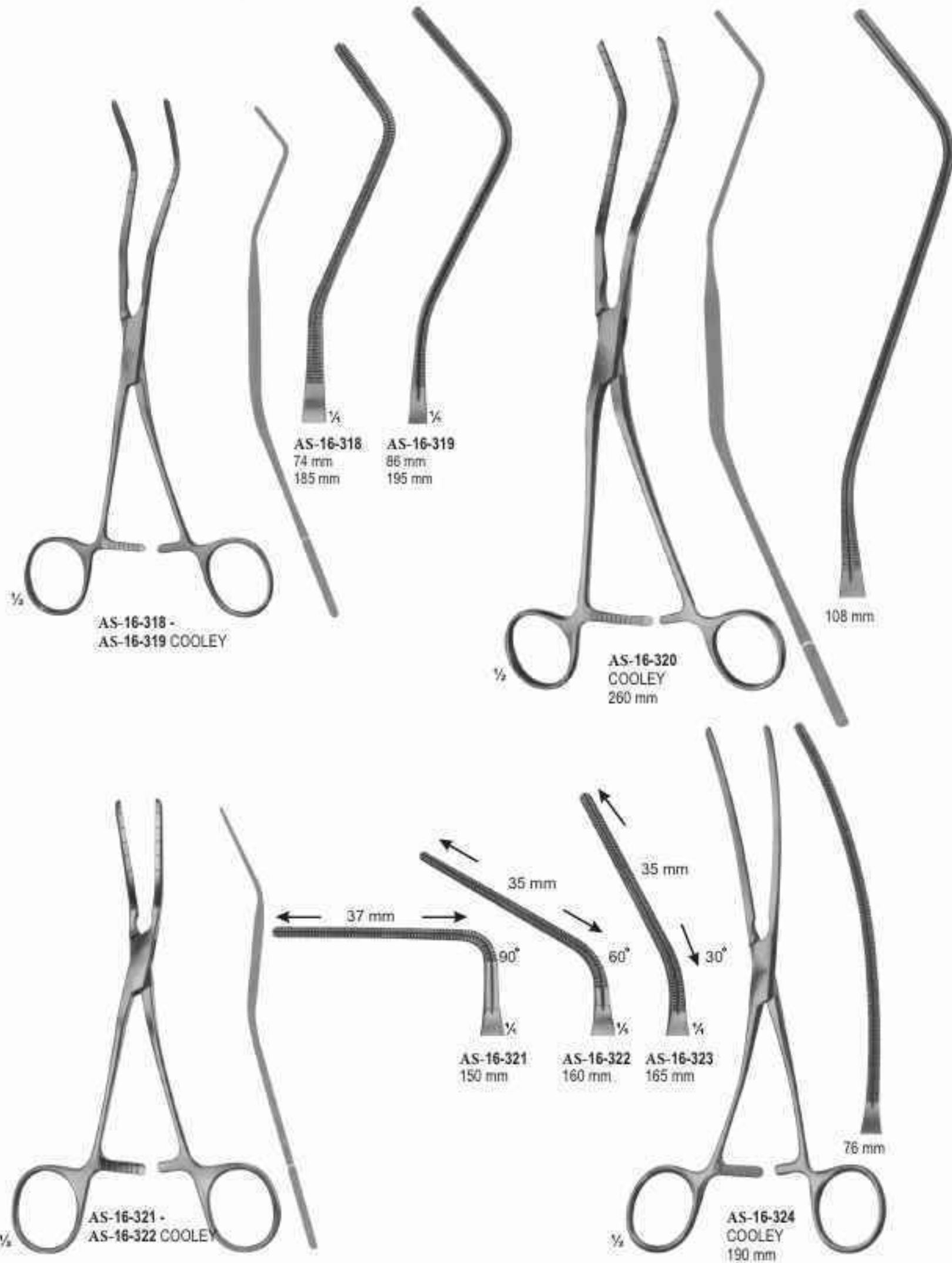


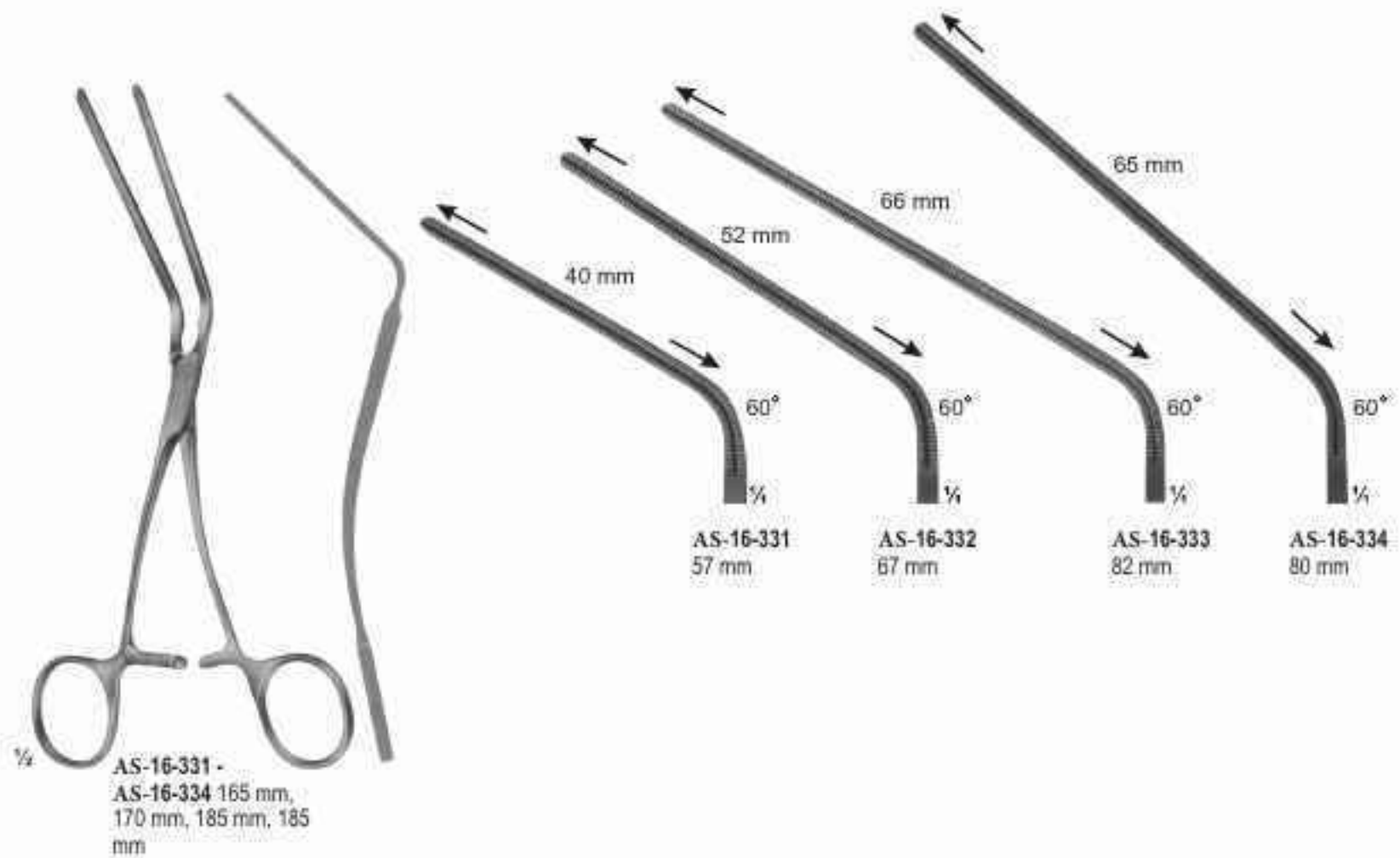
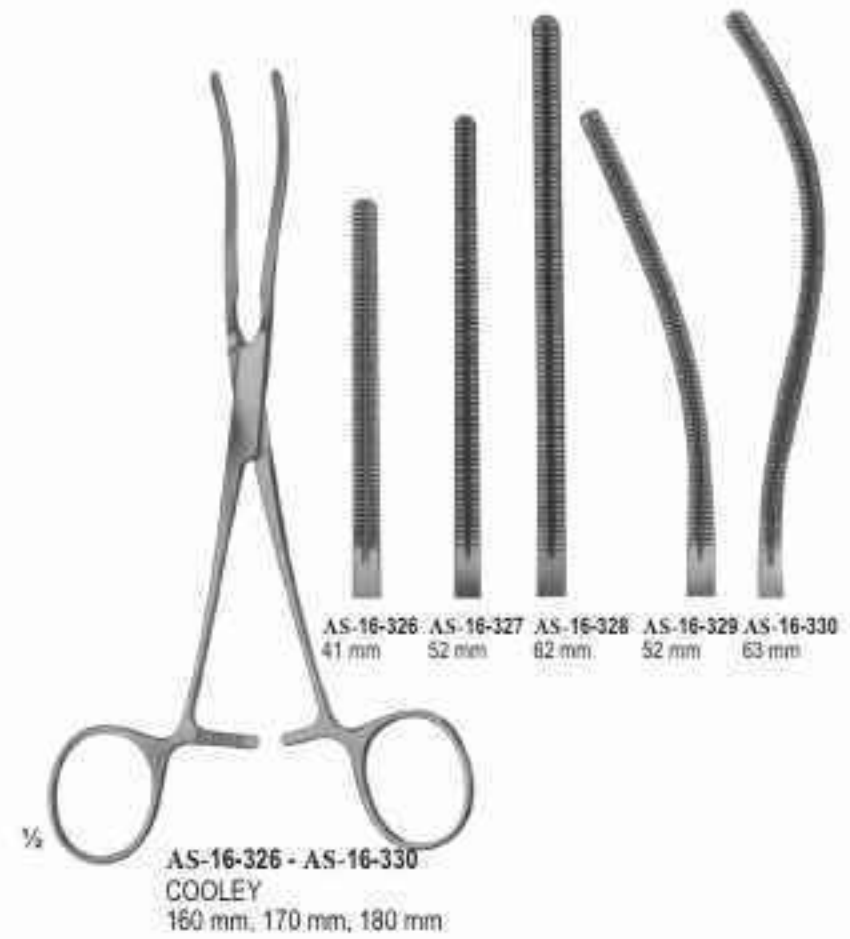
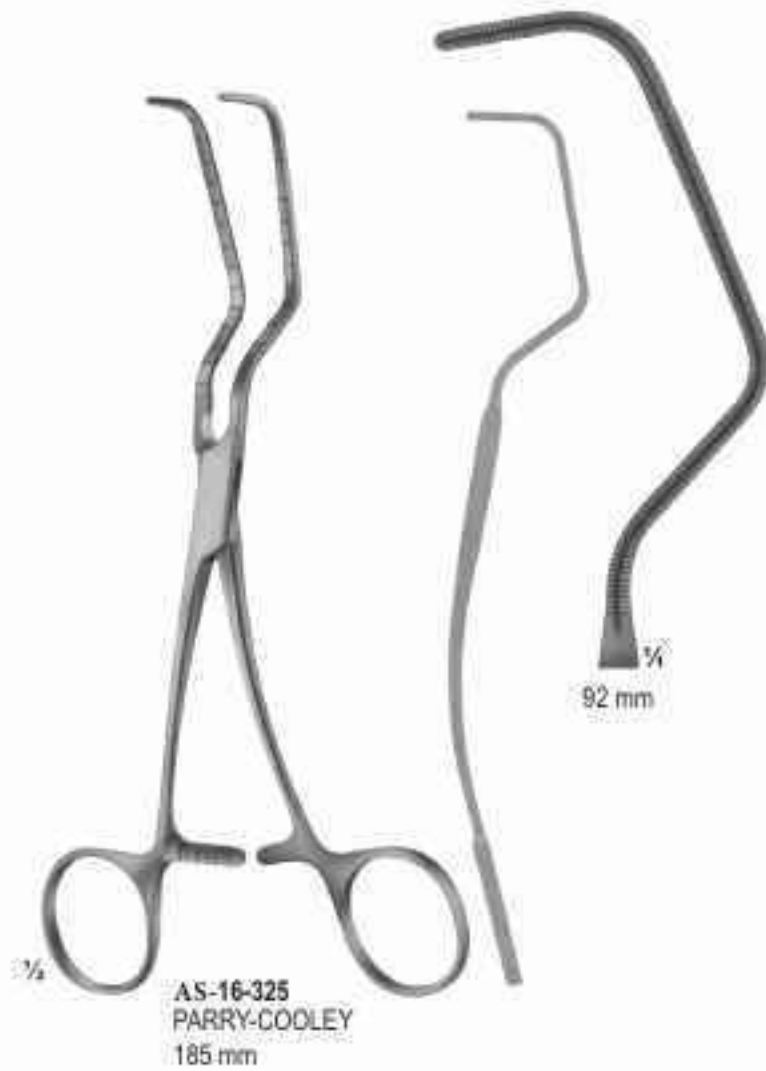
ANASTOMOSIS CLAMPS, PEDIATRIC PATTERNS





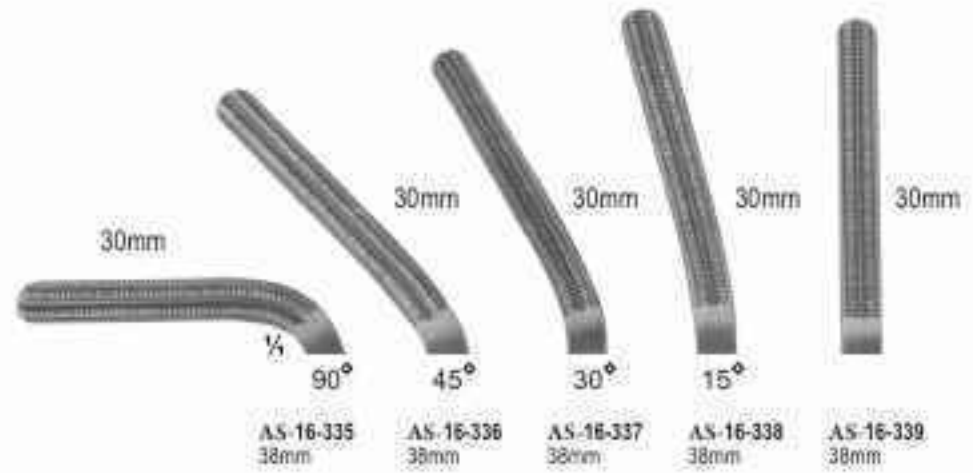




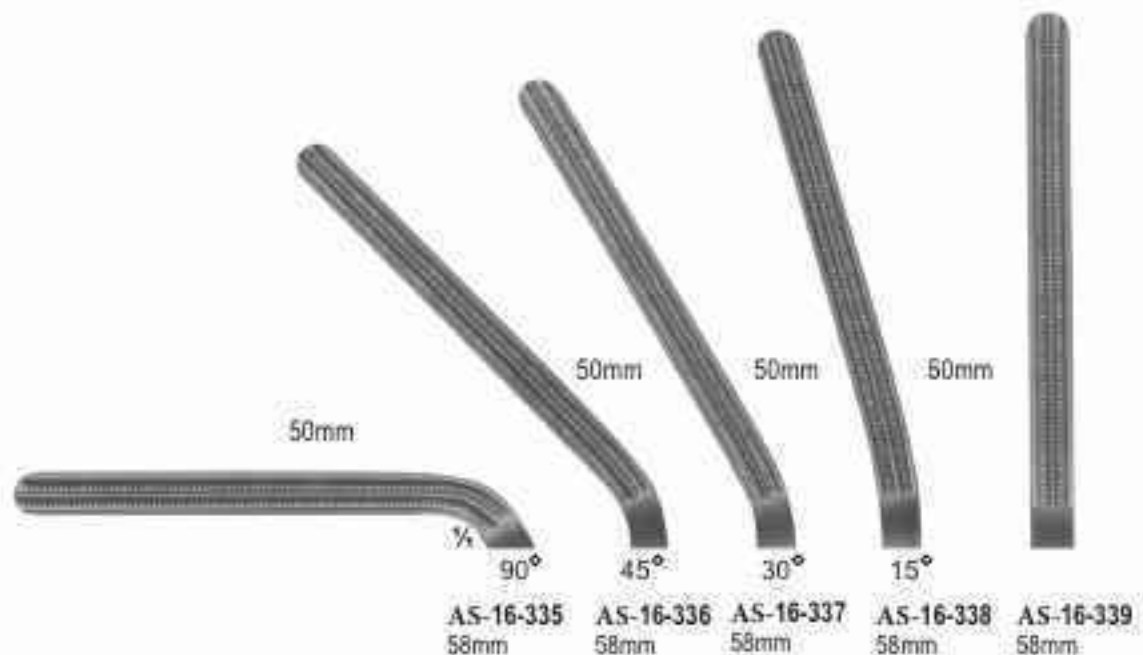


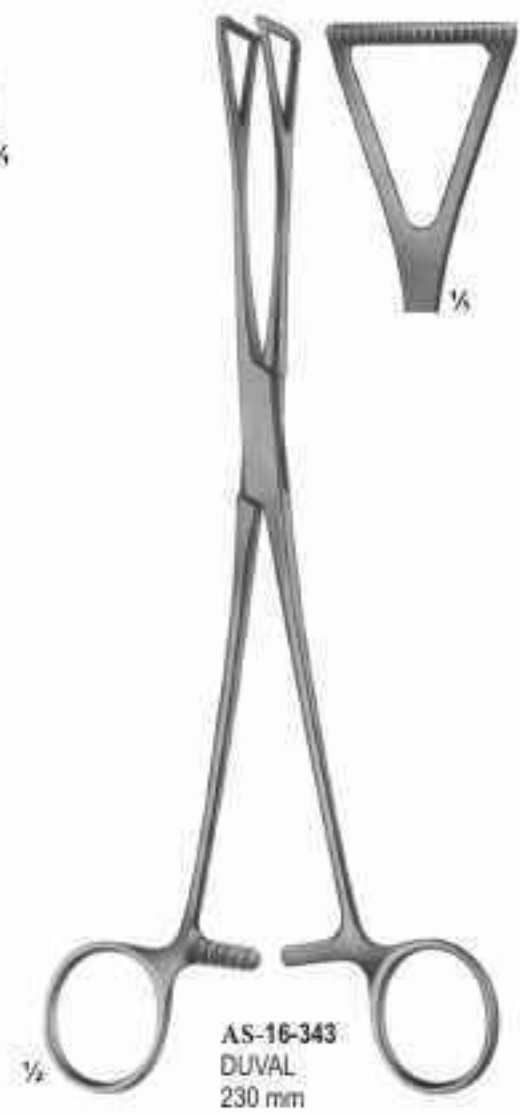


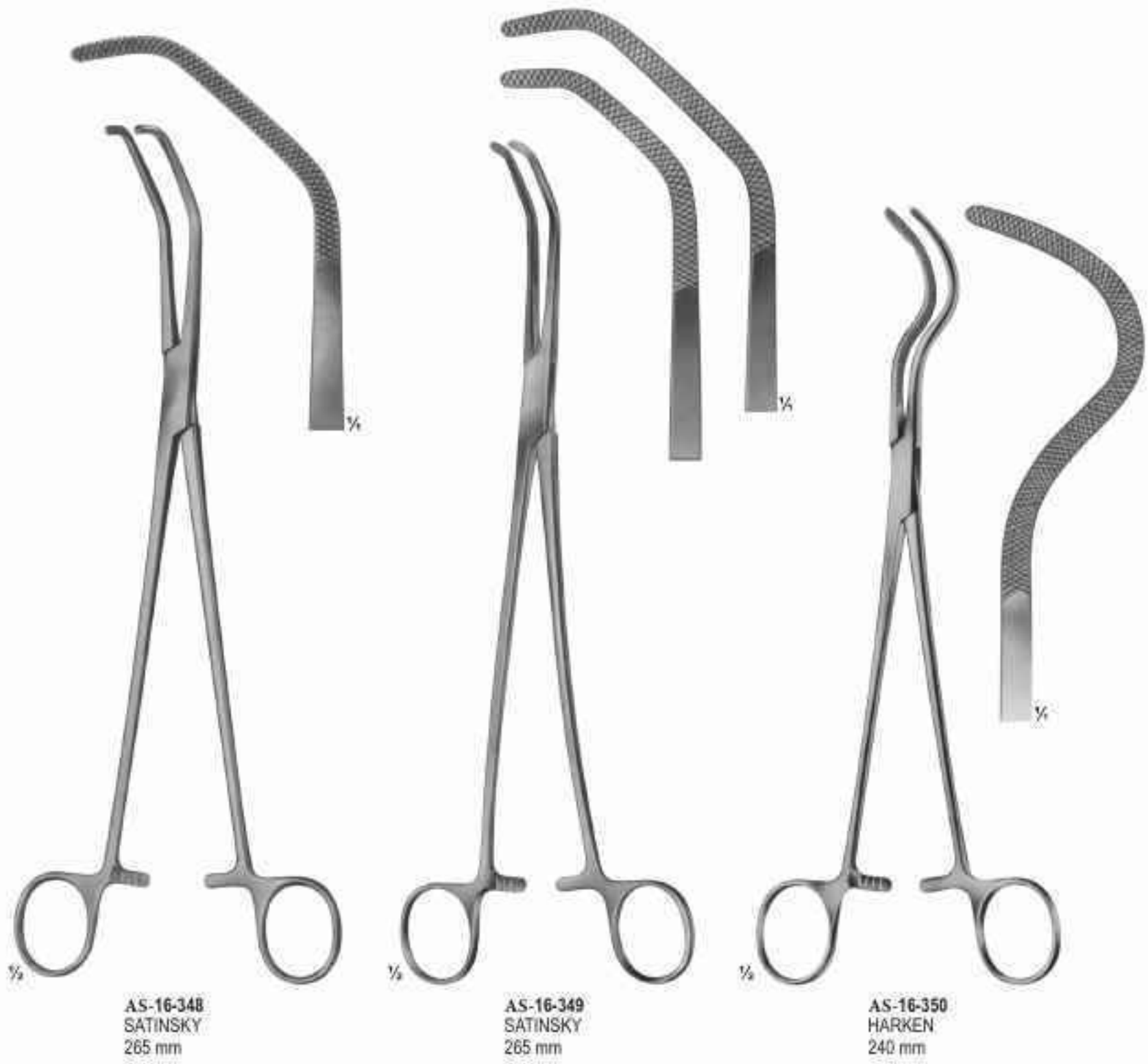
$\frac{1}{2}$	DARDIK	
AS-16-335	150	mm
AS-16-336	150	mm
AS-16-337	150	mm
AS-16-338	145	mm
AS-16-339	130	mm



$\frac{1}{4}$	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

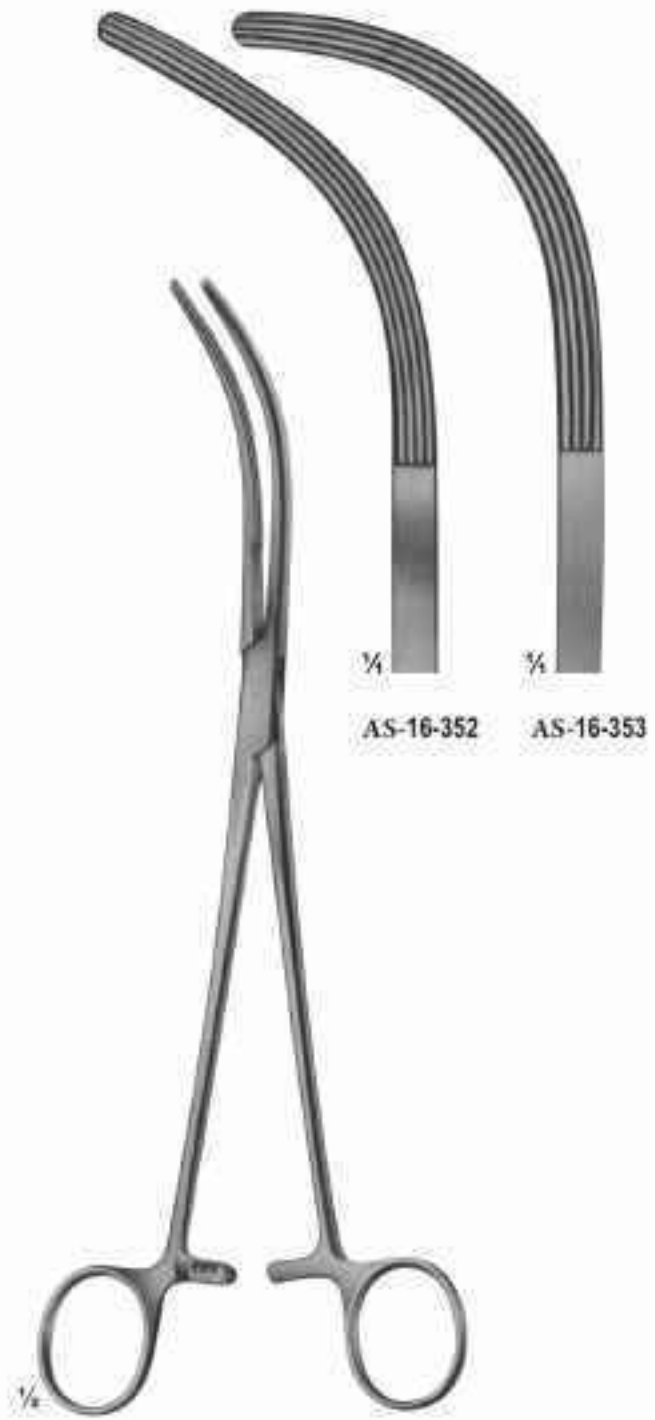








AS-16-351
CRAFOORD-SELLORS
240 mm



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



AS-16-354
PRICE THOMAS
225 mm



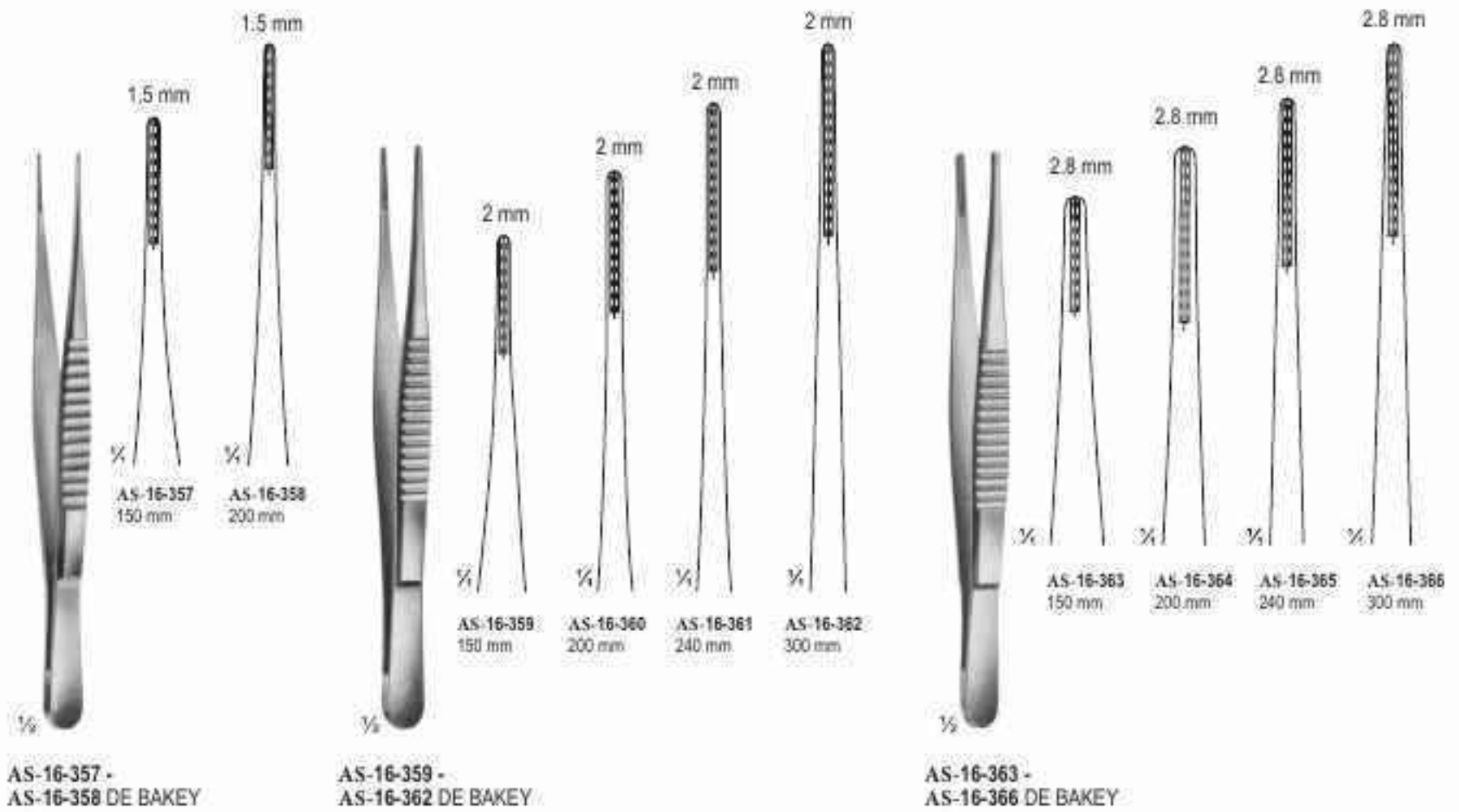
AS-16-355 -
AS-16-356 PRICE
THOMAS 225 mm

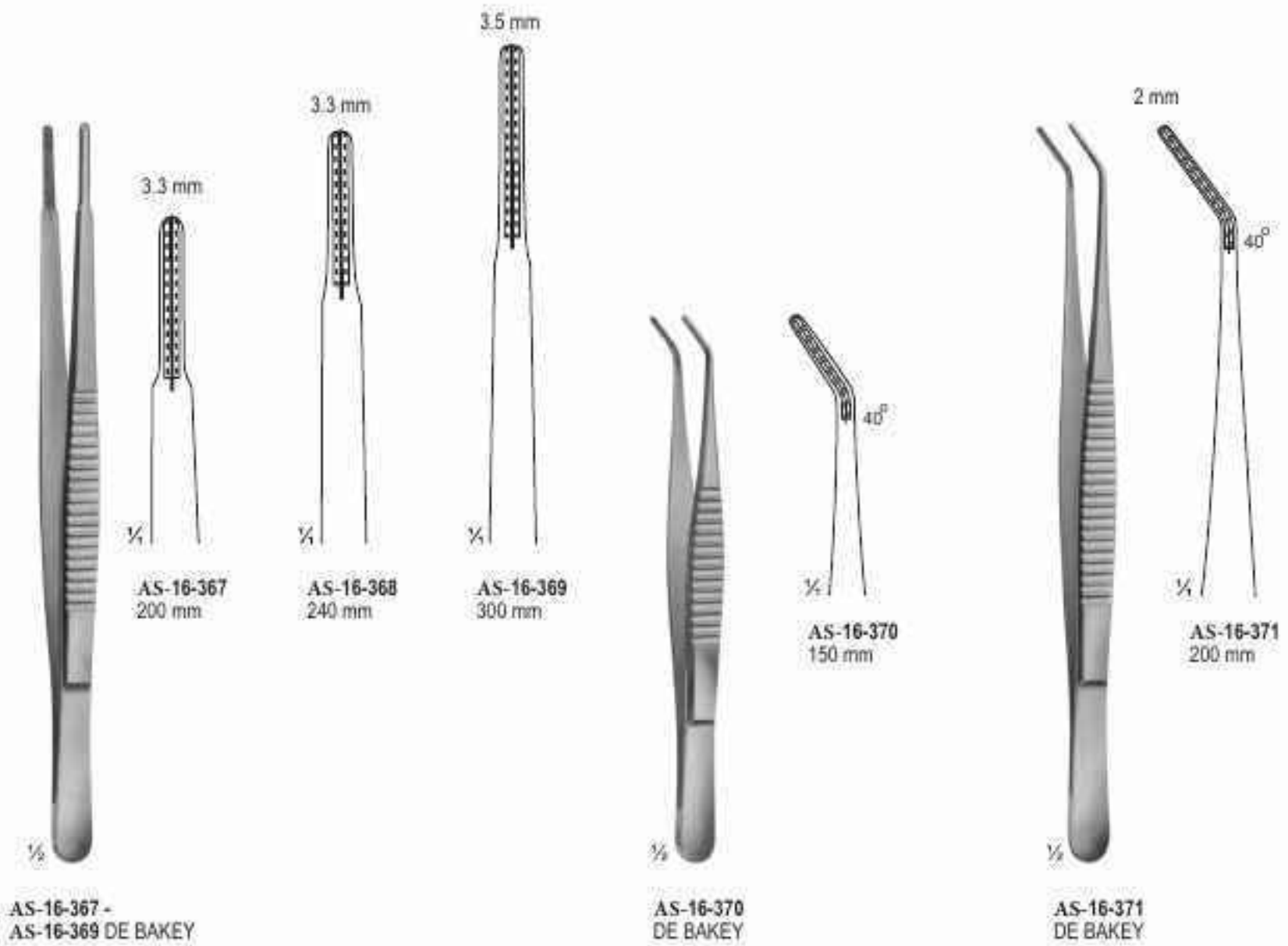


AS-16-355
jaws with pins

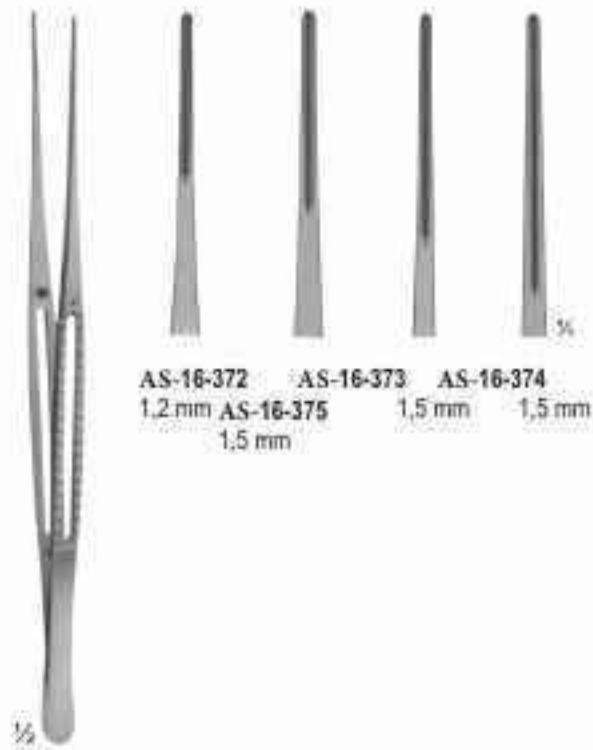


AS-16-356
jaws with pins





DISSECTING FORCEPS



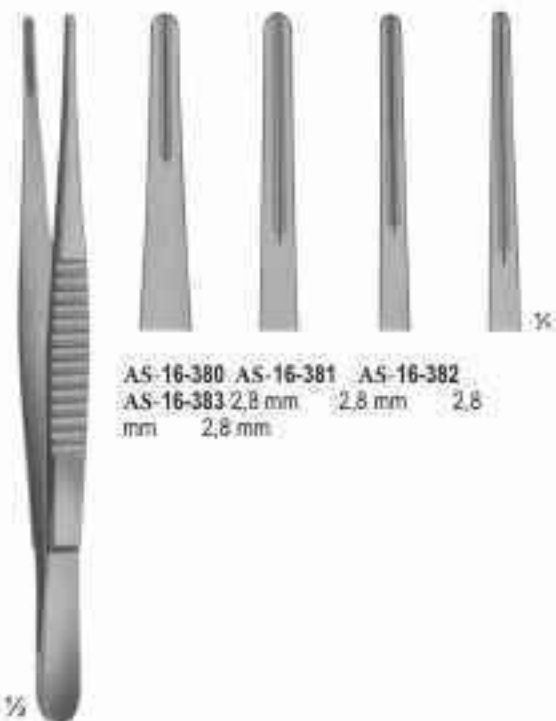
AS-16-372 1.2 mm
AS-16-373 1.5 mm
AS-16-374 1.5 mm
AS-16-375 1.5 mm

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



AS-16-376 2 mm
SF-16-377 2 mm
SF-16-378 2 mm
AS-16-379 2 mm

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



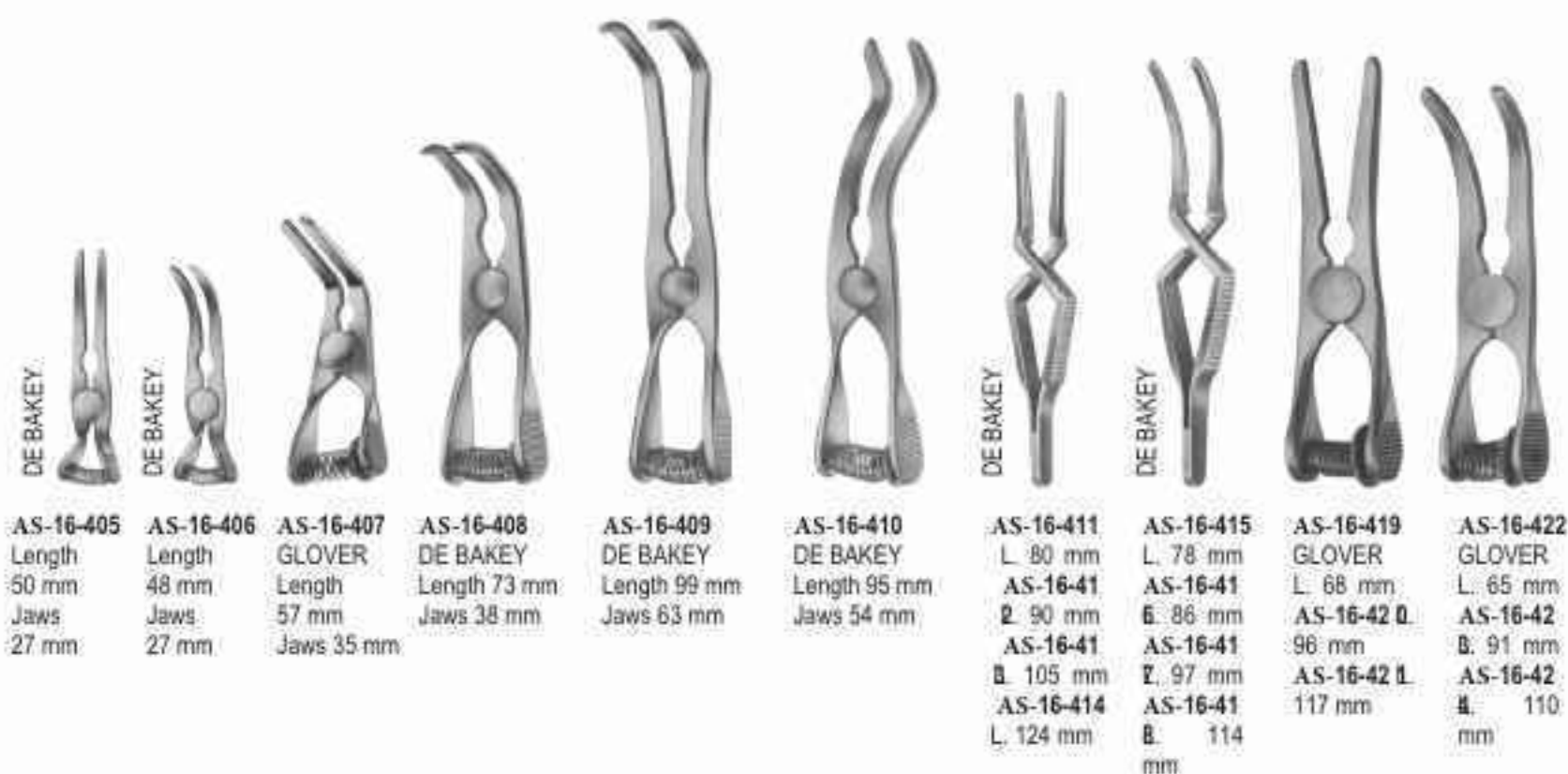
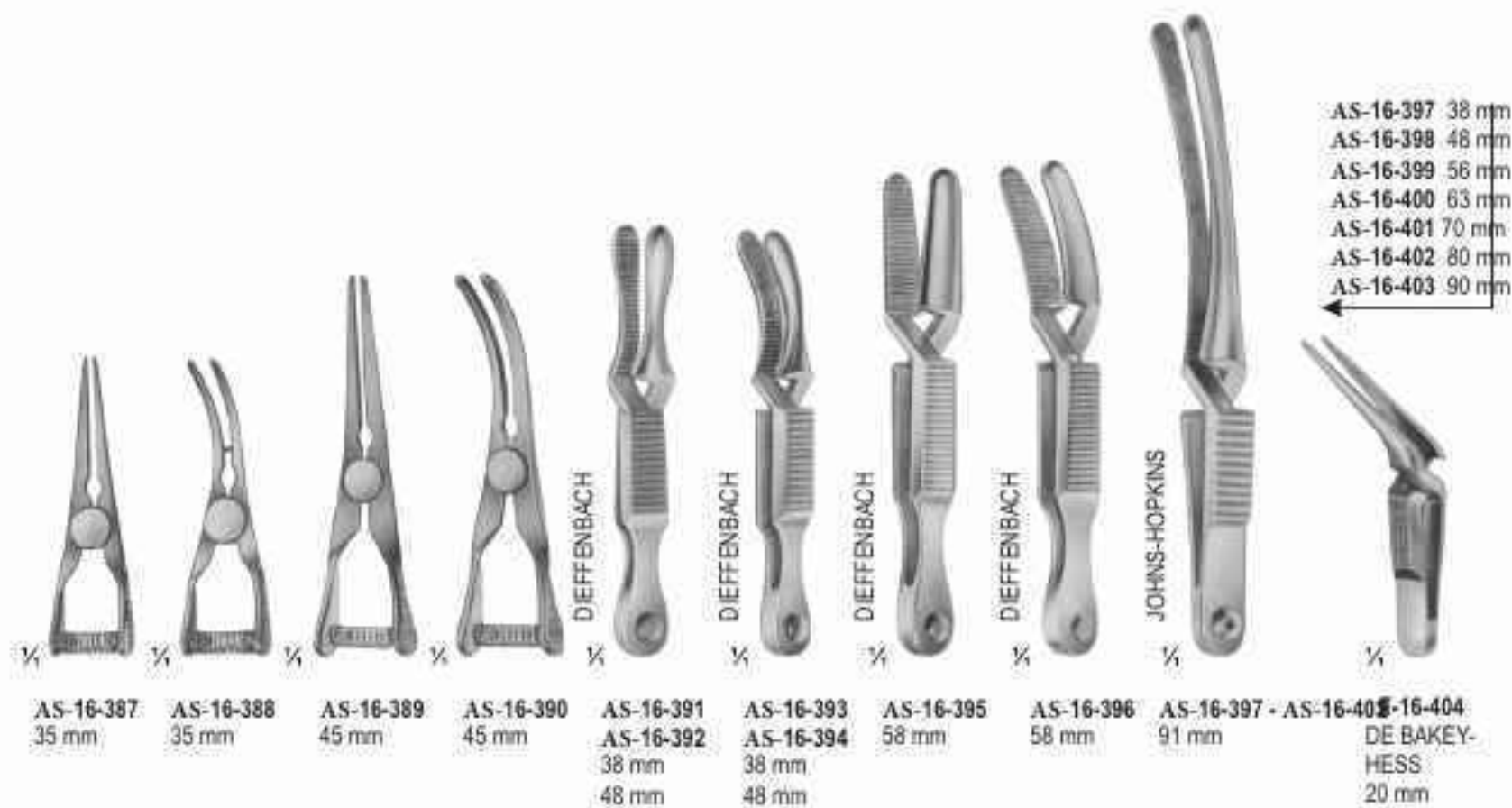
AS-16-380 2.8 mm
AS-16-381 2.8 mm
AS-16-382 2.8 mm
AS-16-383 2.8 mm

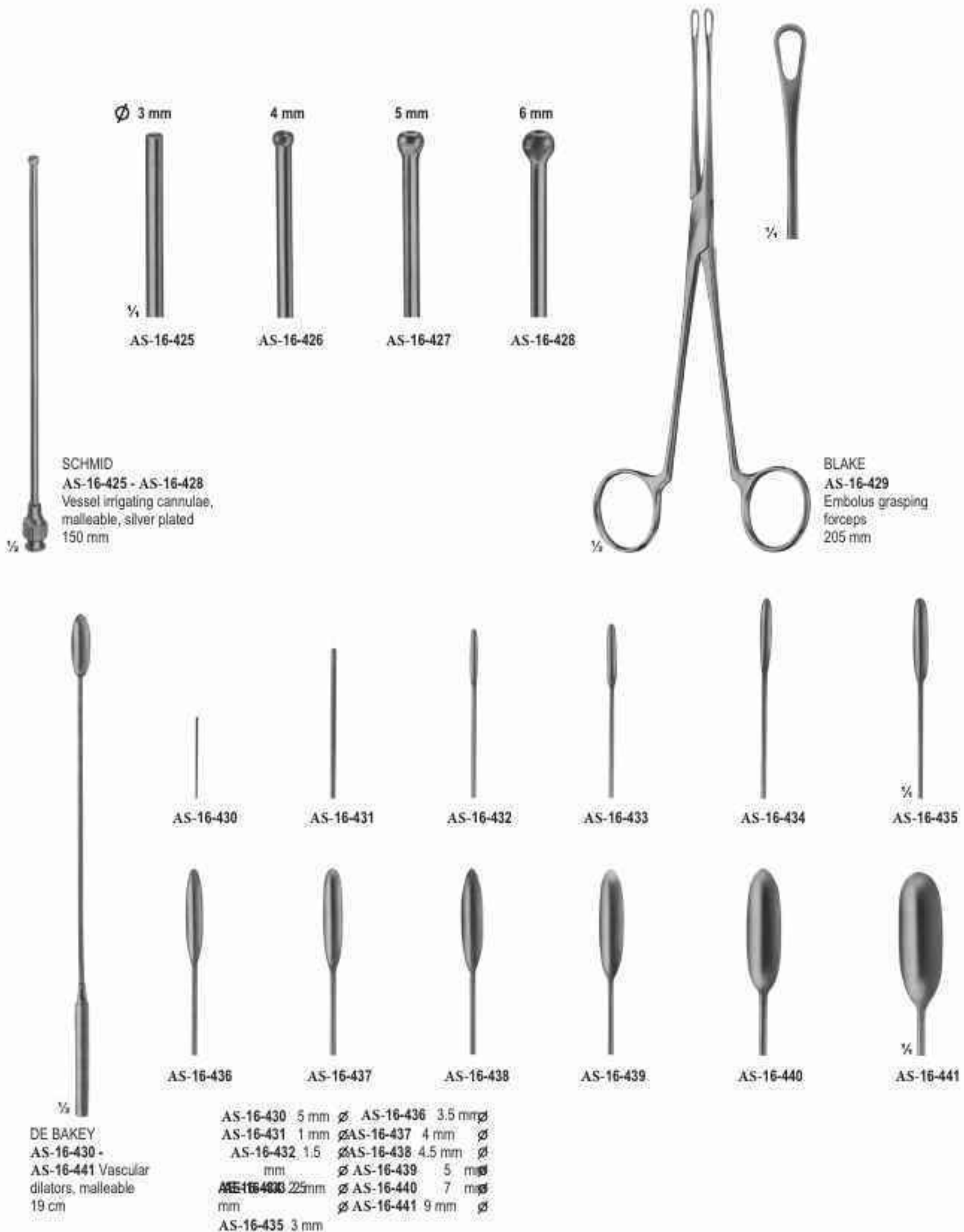
DE BAKEY
AS-16-380 150 mm
AS-16-381 200 mm
AS-16-382 240 mm
AS-16-383 300 mm

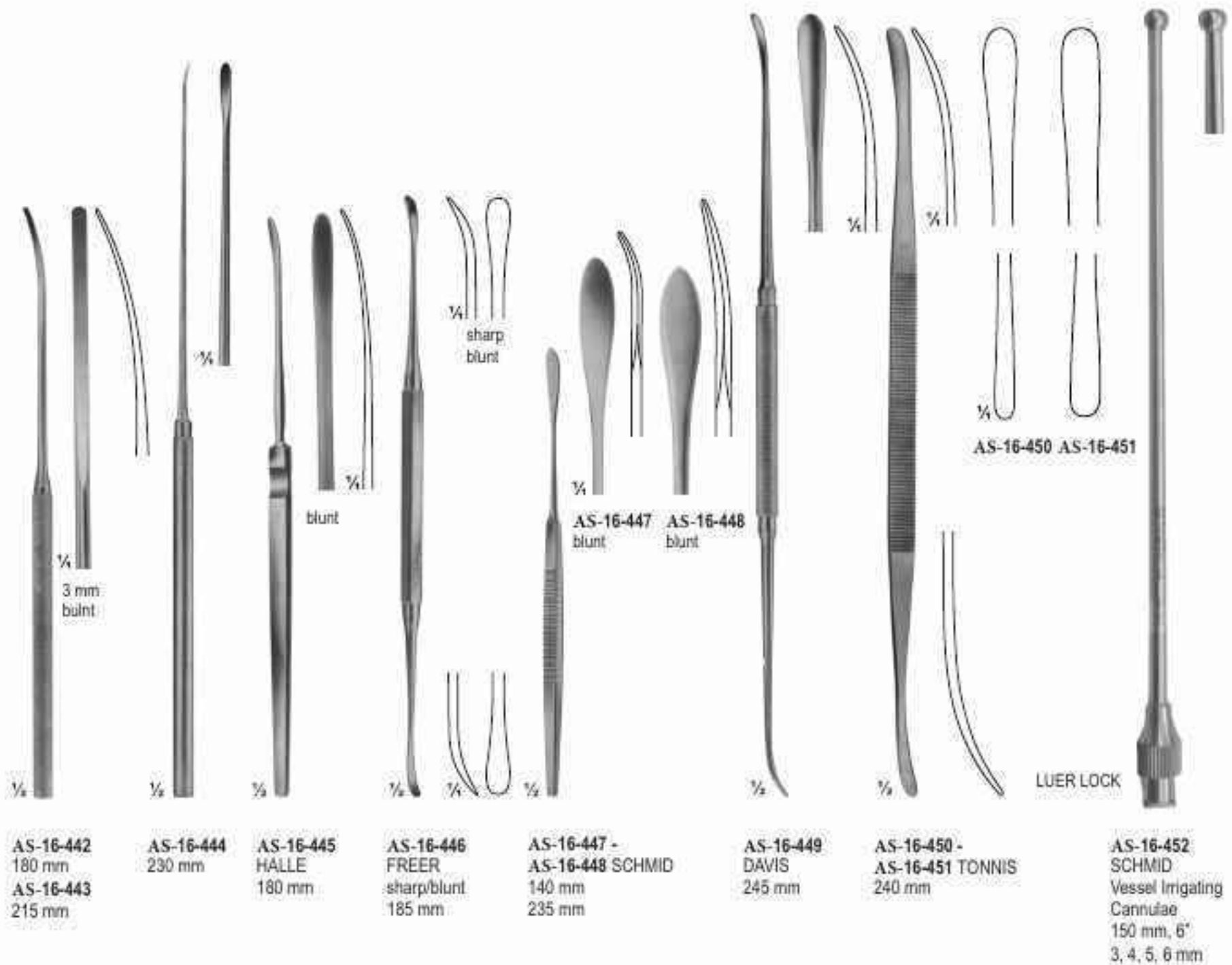


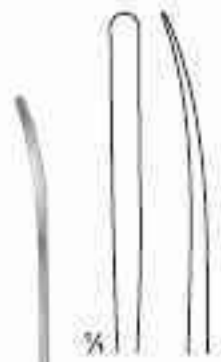
AS-16-384 3.3 mm
AS-16-385 3.3 mm
AS-16-386 3.3 mm

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-16-453 -
AS-16-454



AS-16-455
14 cm

AS-16-455 -
AS-16-456



AS-16-456
23.5 cm



Fig. 1
ROBB
AS-16-457
24 cm



Fig. 2
ROBB
AS-16-458
24 cm



Fig. 3
ROBB
AS-16-459
24 cm



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



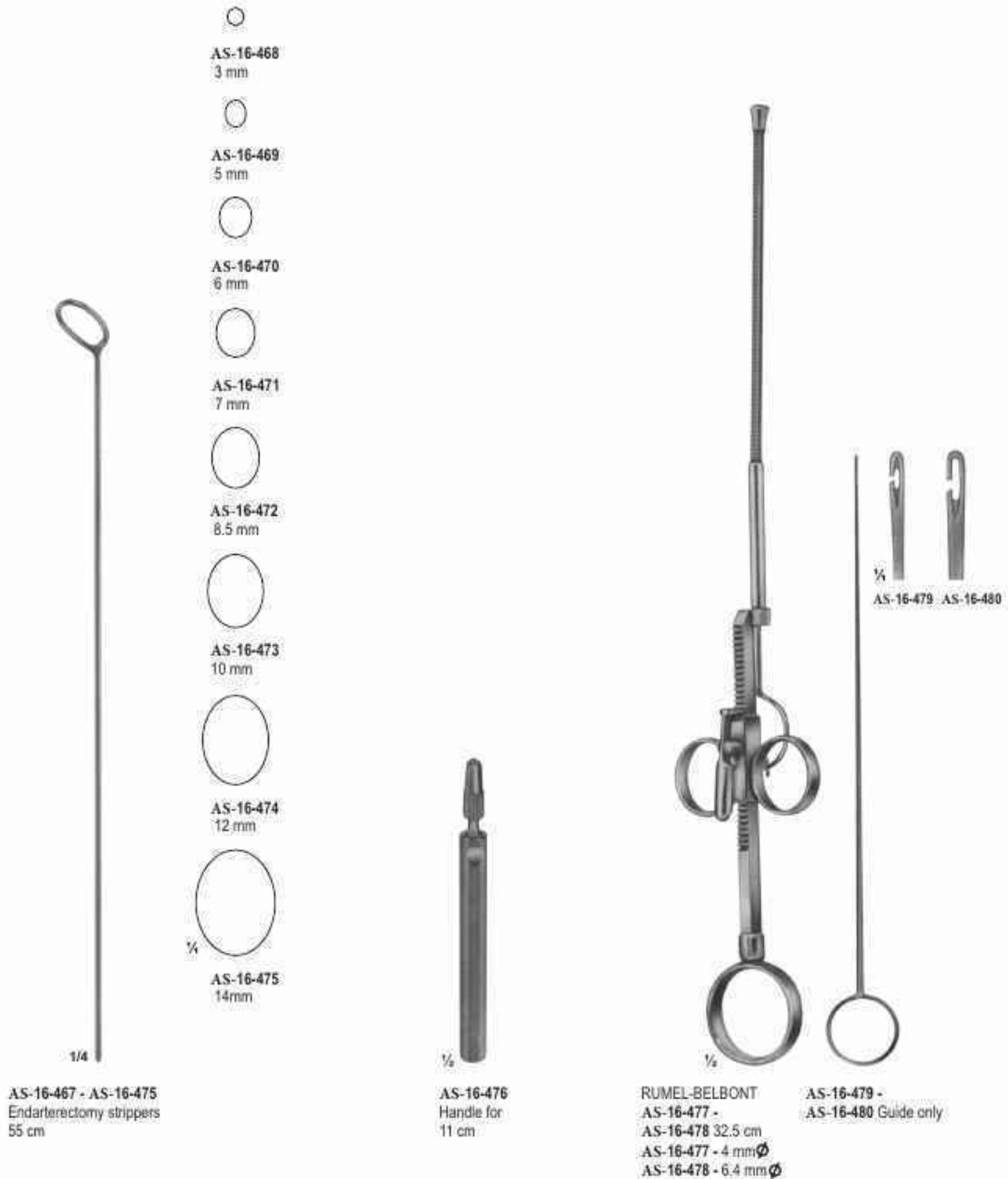
AS-16-464
2 mm ø

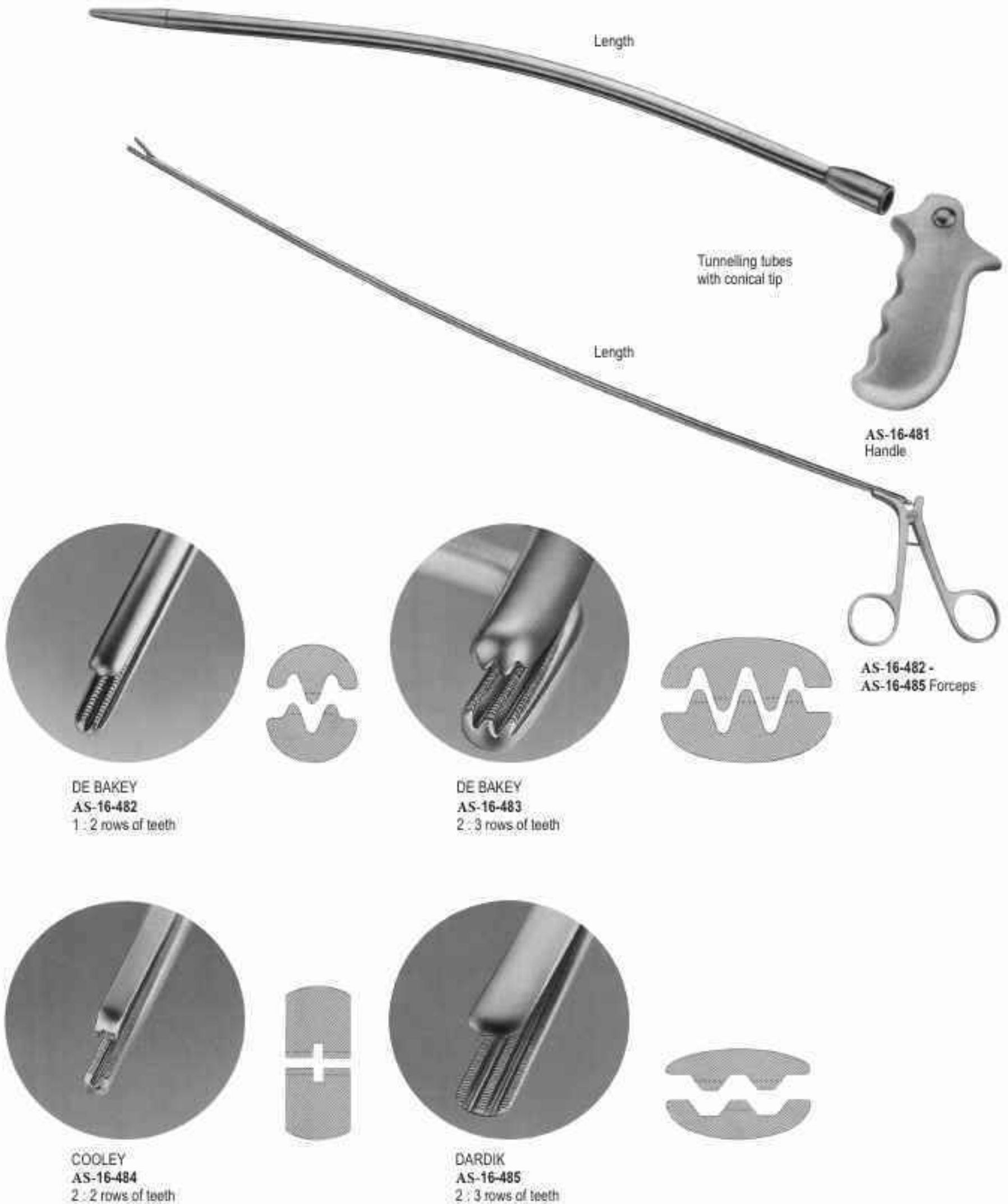


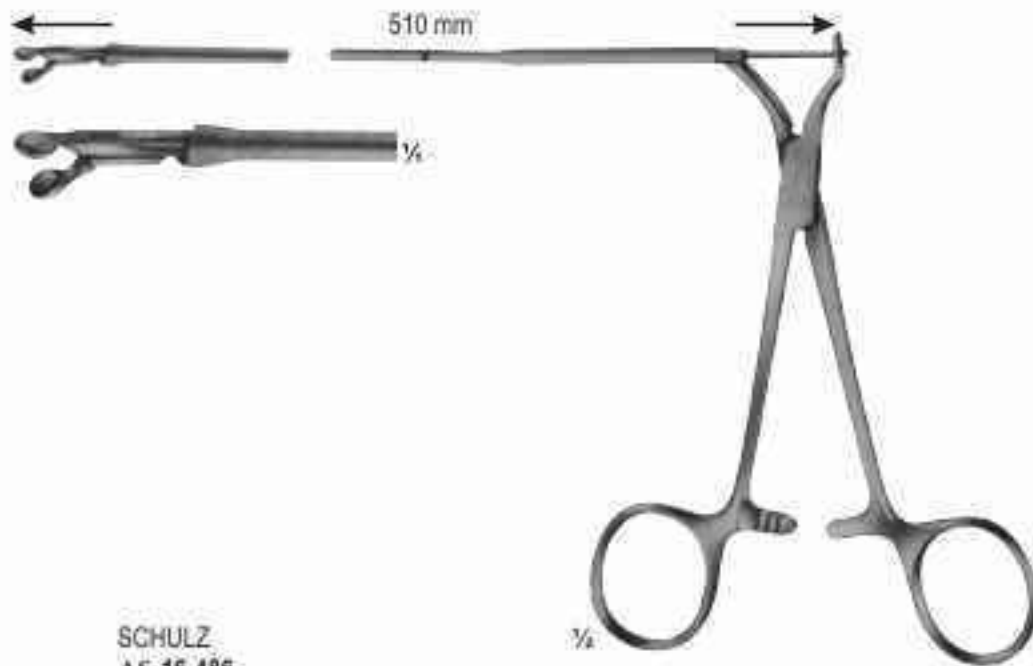
AS-16-465
2.5 mm ø



AS-16-466
3 mm ø



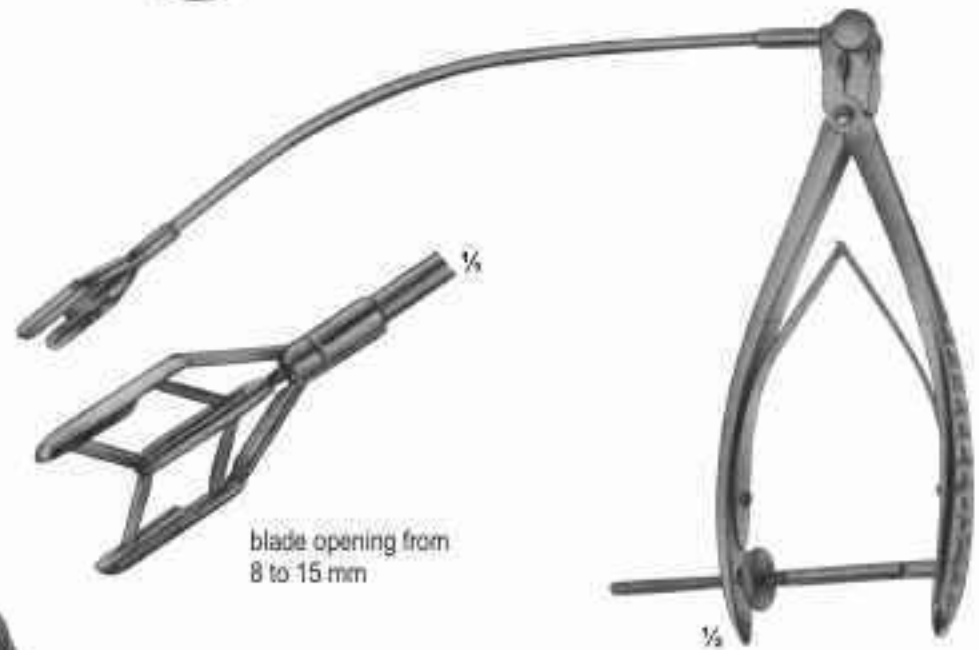




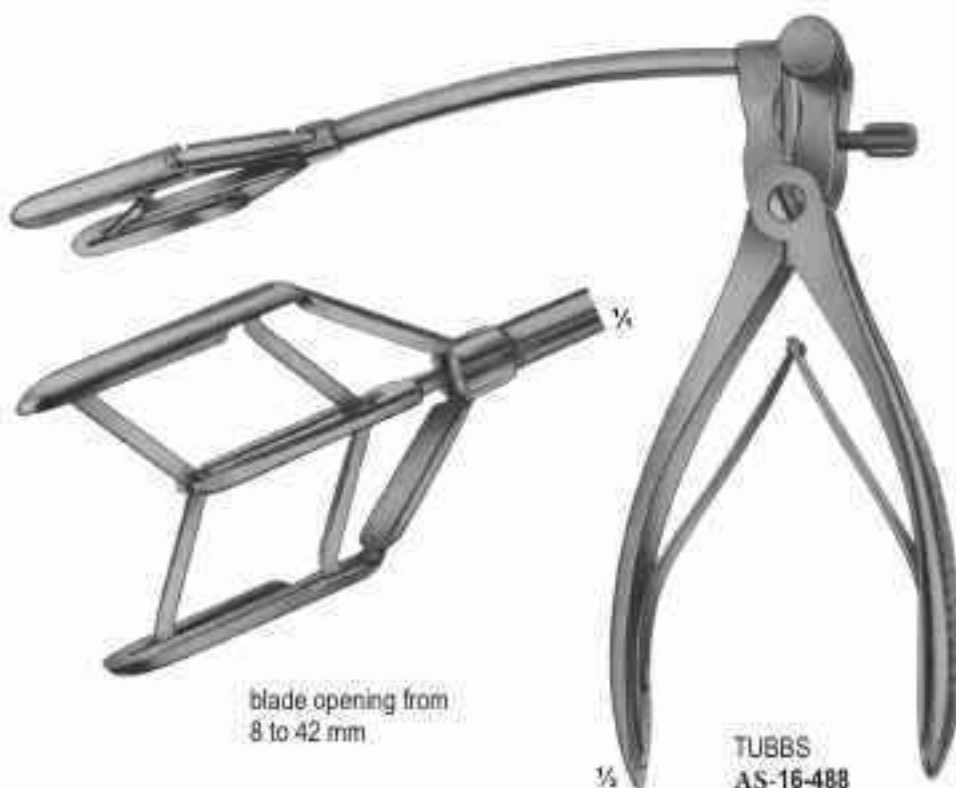
**SCHULZ
AS-16-486**

Biptome, 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

blade opening from
8 to 42 mm

blade opening from
8 to 15 mm



¾
SCHUMACHER
Sternum shears
AS-16-489
210 mm



¾
GIERTZ-STILLE
AS-16-490
250 mm



¾
GLUCK
AS-16-491
190 mm



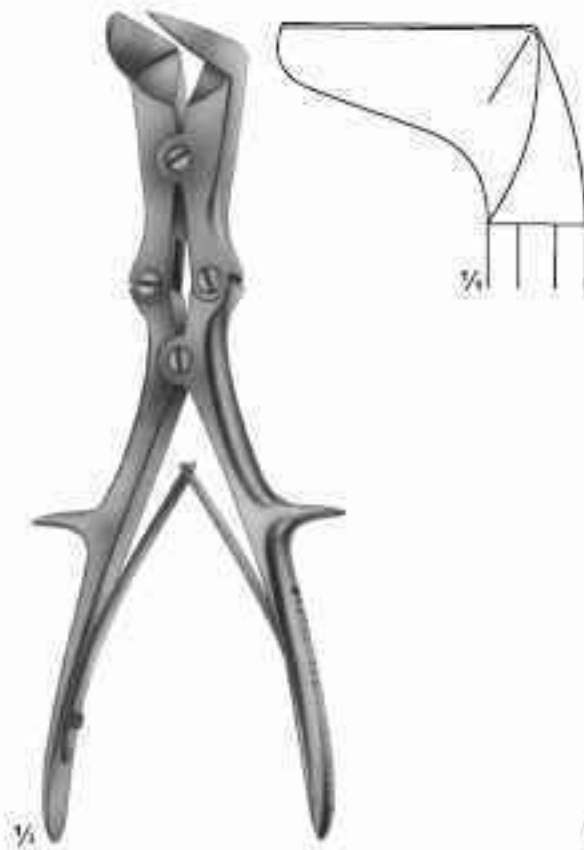
¾
BRUNNER
Universal Pattern
AS-16-492
340 mm



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



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



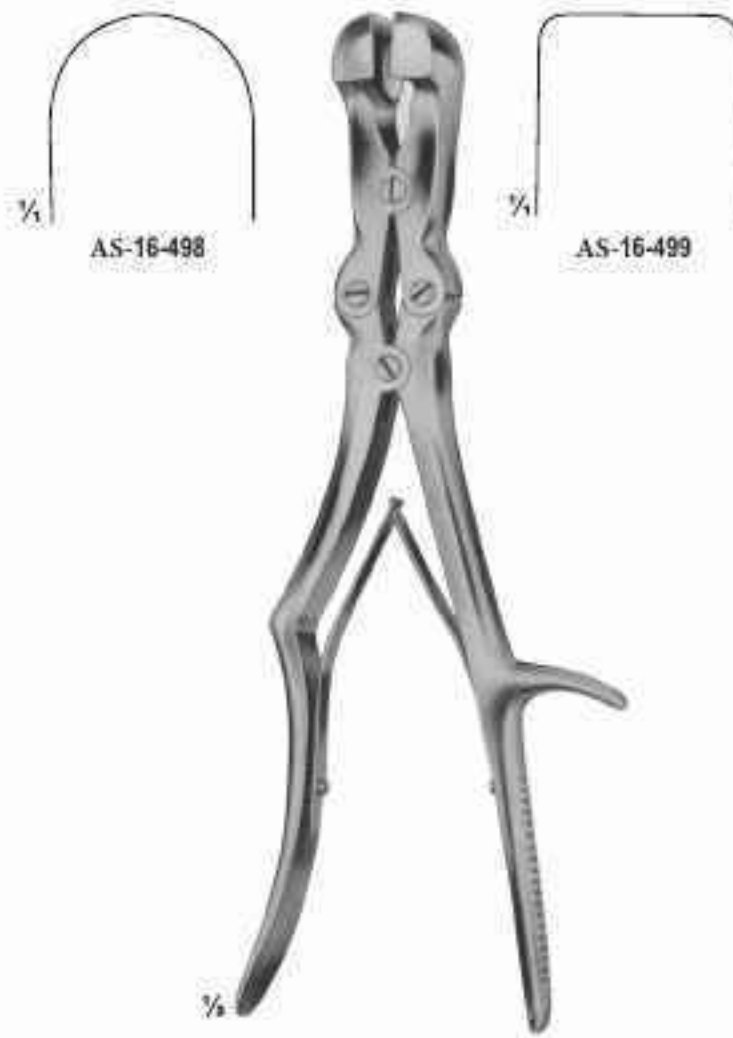
AS-16-495
LISTON-STILLE
265 mm



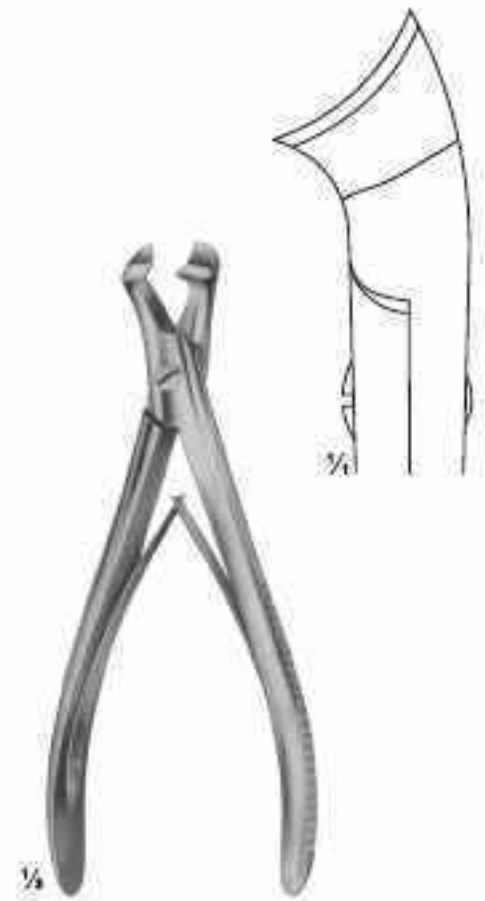
AS-16-496
LISTON-KEY-HORSLEY
255 mm



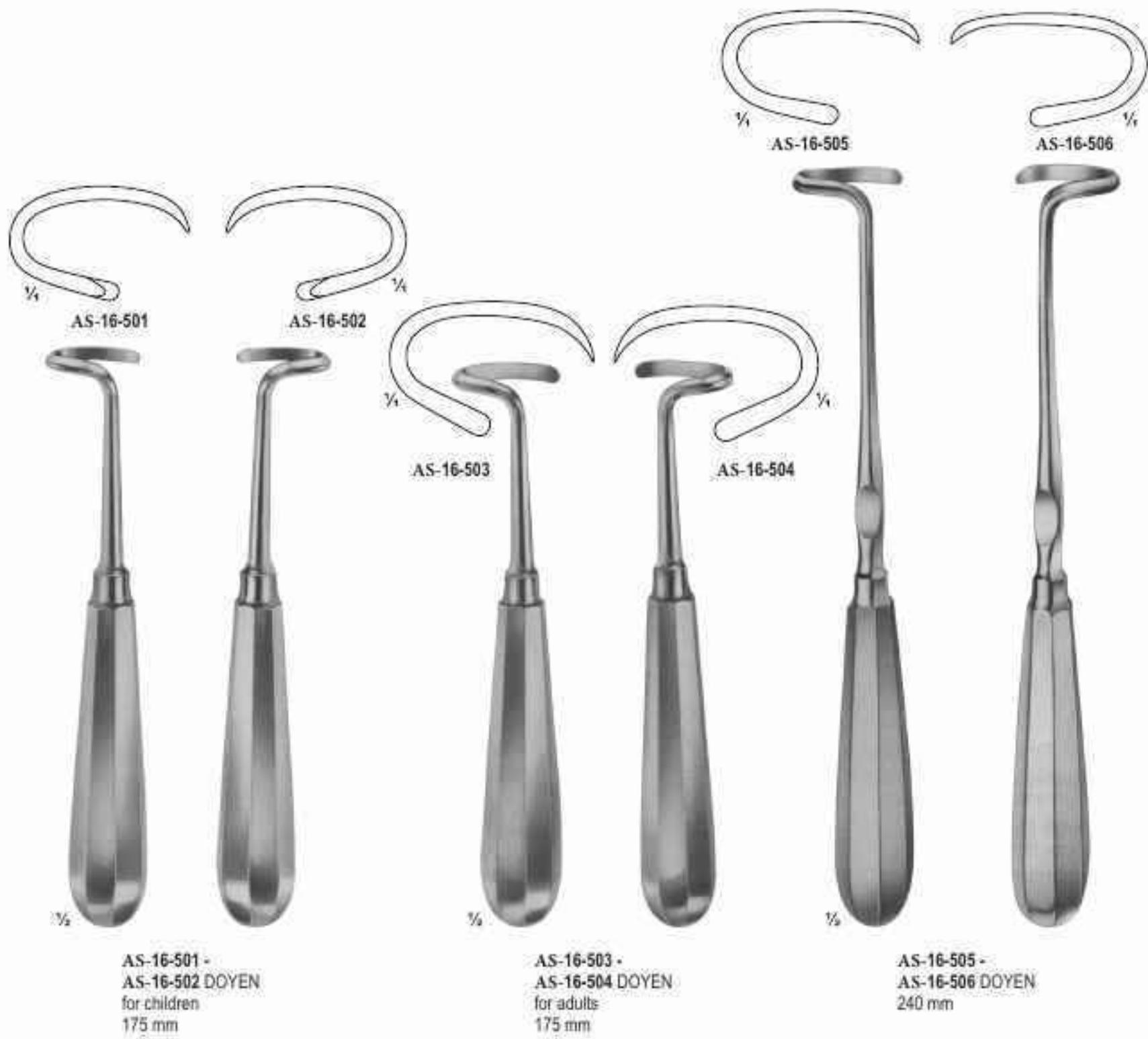
AS-16-497
SEME
Rib Rongeur to shorten
the rib stumps
240 mm



AS-16-498 - AS-16-499
SAUERDRUCH-CORYLLOS
Rib rongeurs to shorten
the rib stumps
310 mm

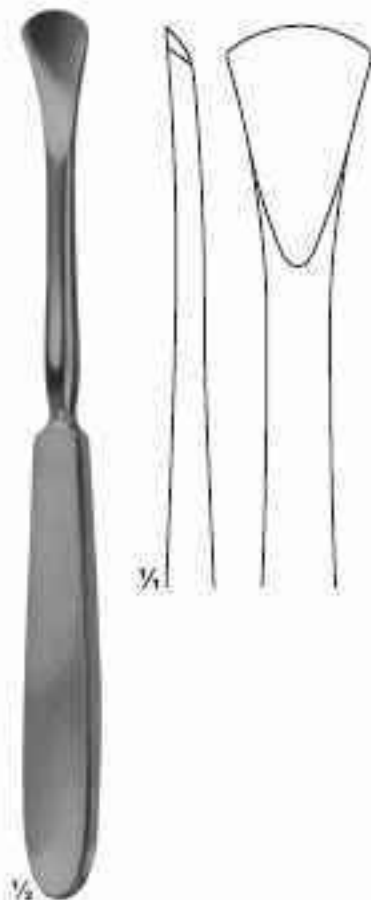
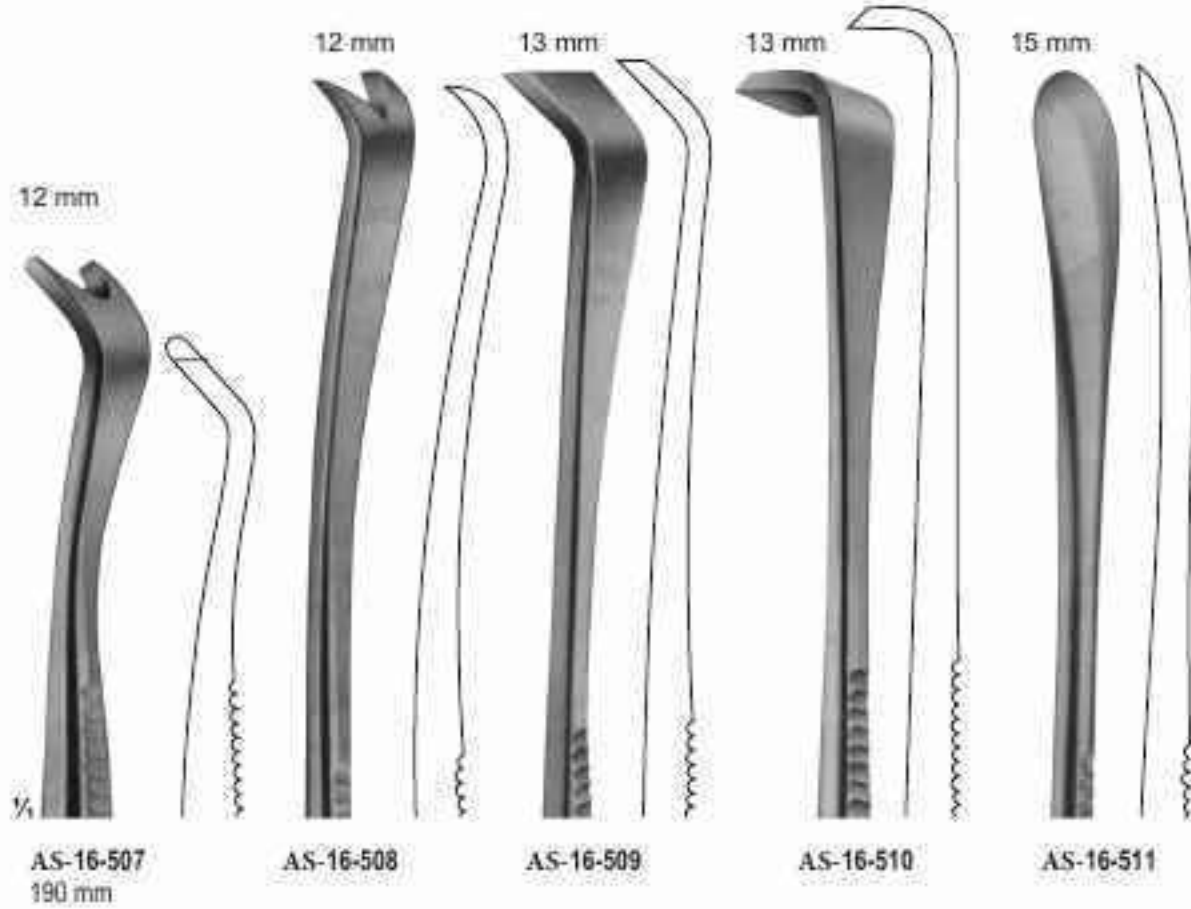


AS-16-500
MARKWALDER Rib
Rongeur to Round the
rib stumps
190 mm

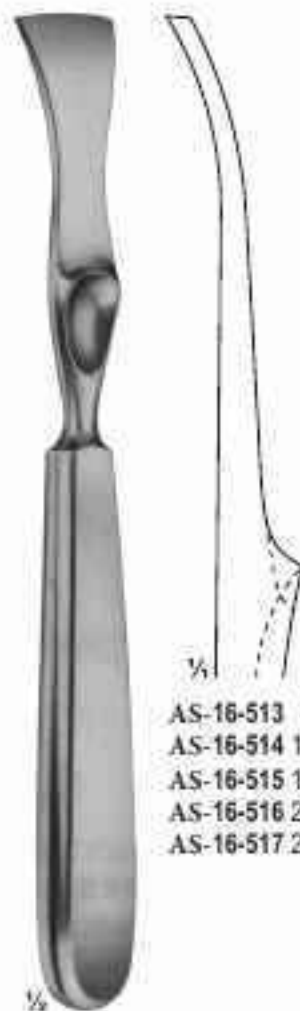




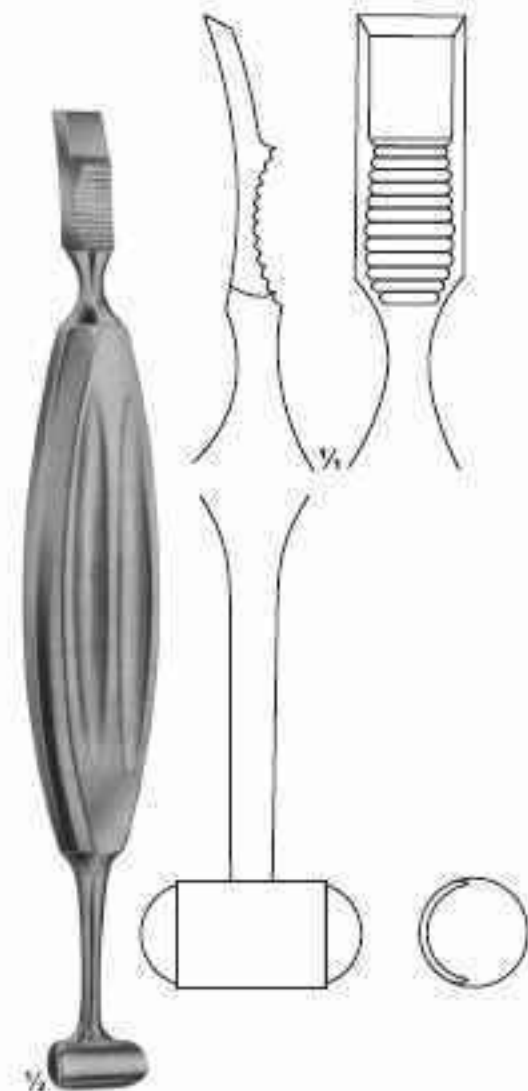
AS-16-507 -
AS-16-511 SEMB
230 mm



AS-16-512
LANGENBECK
190 mm



AS-16-513 -
AS-16-517
LAMBOTTE
215 mm



AS-16-518
ALEXANDER
210 mm

Page 375–395

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



CRILE-MURRAY
AS-17-101
15 cm



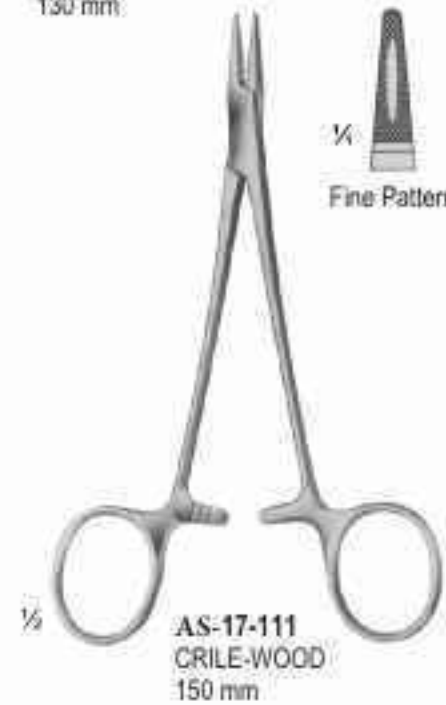
CRILE-WOOD
AS-17-102
16 cm

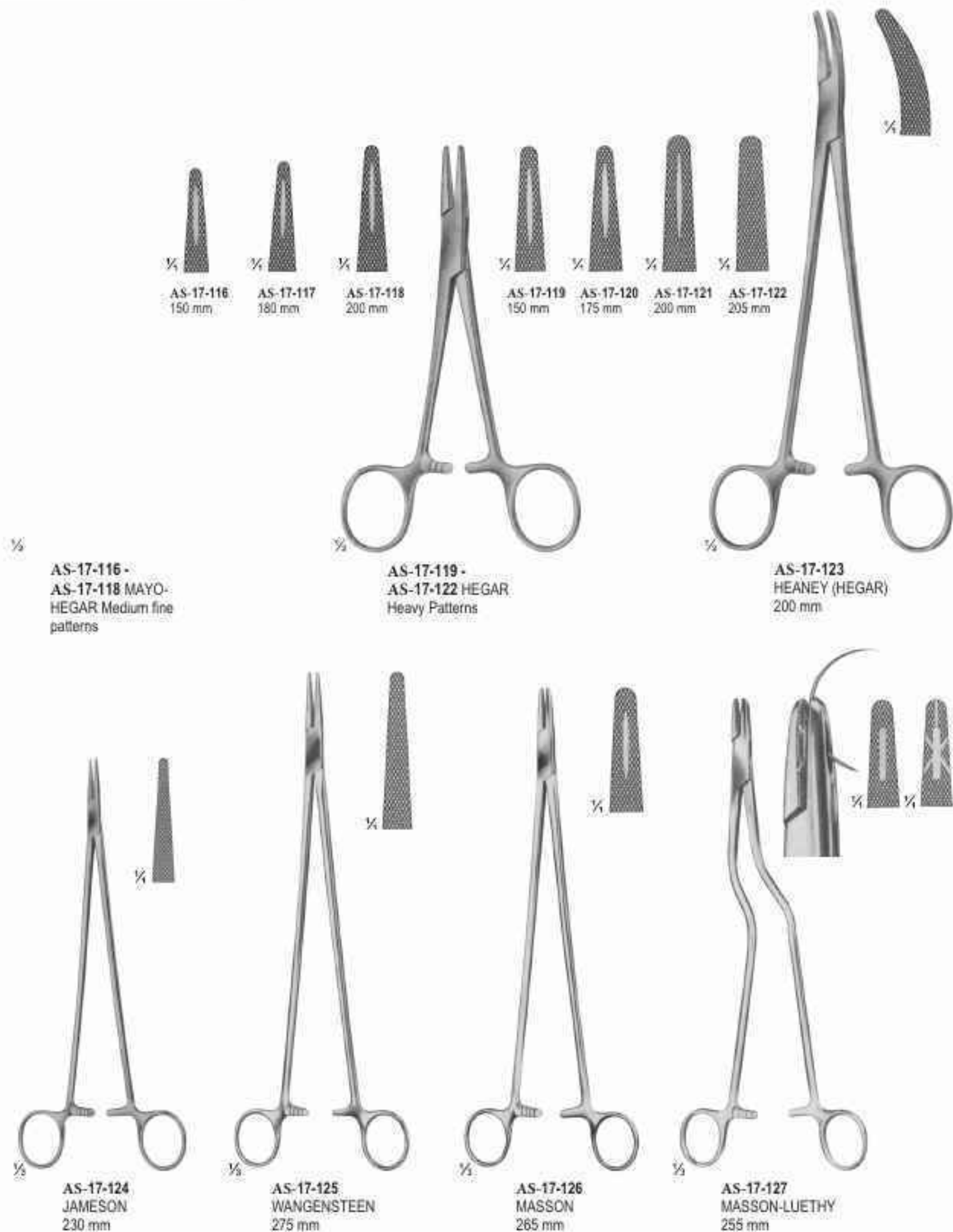


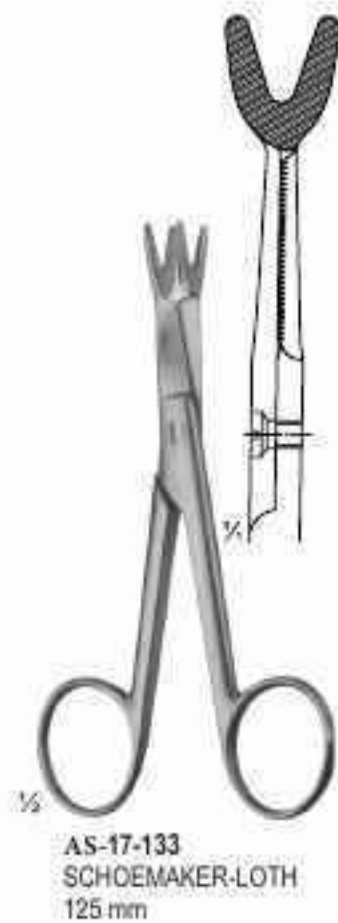
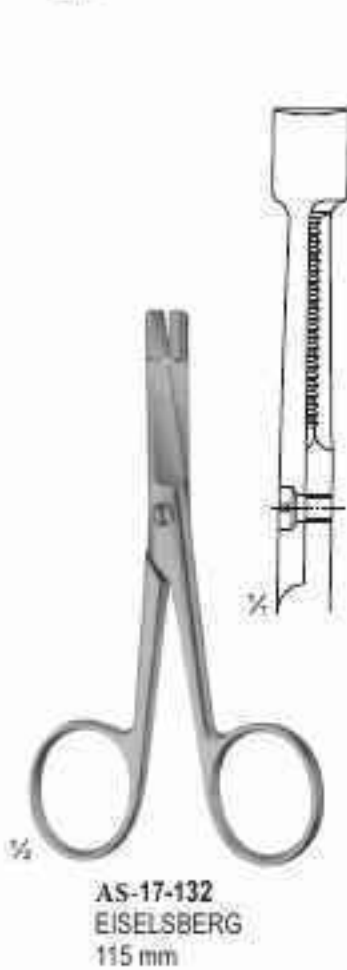
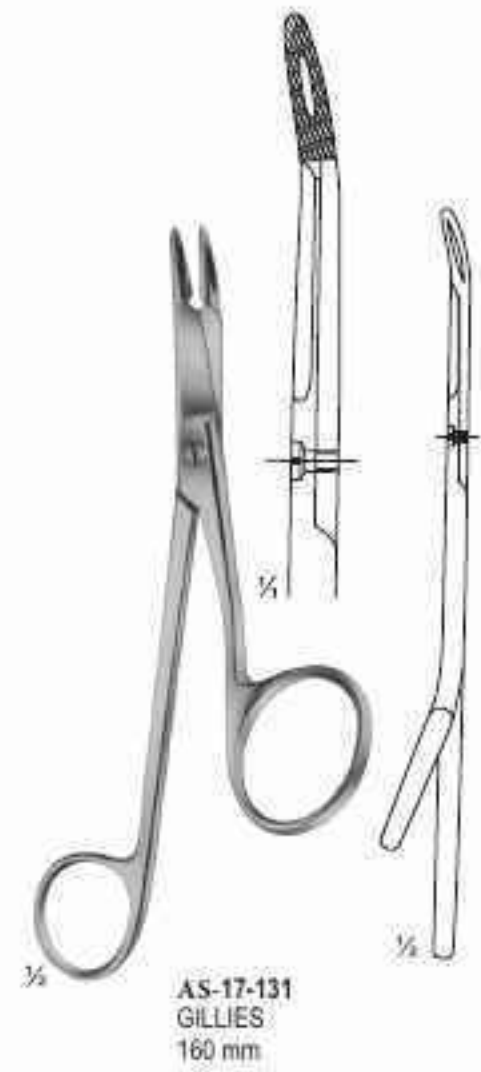
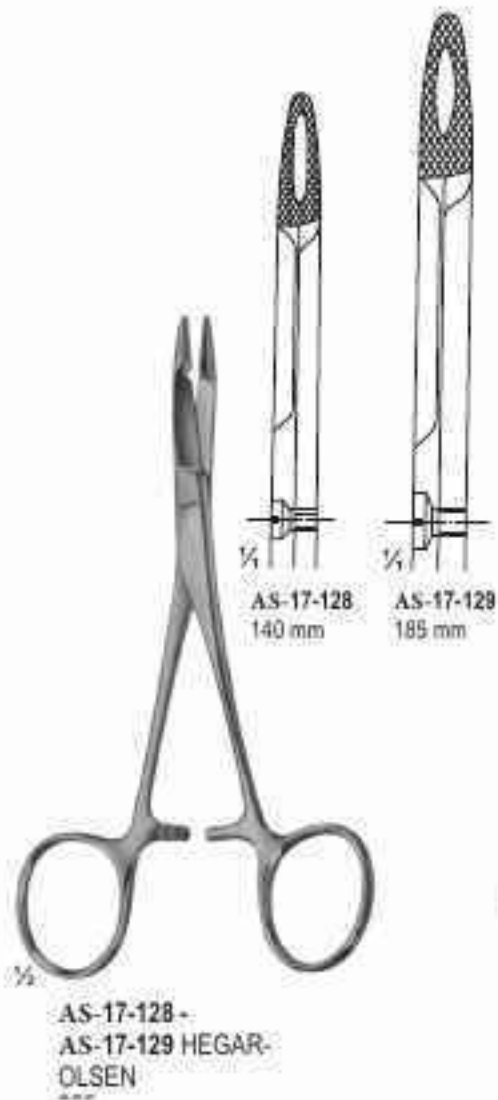
KILNER
AS-17-103
13.5 cm

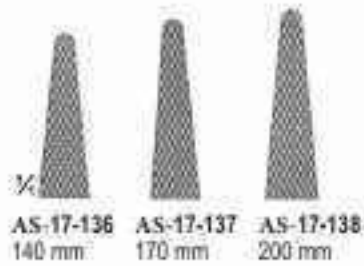


ADSON
AS-17-104
17.5 cm

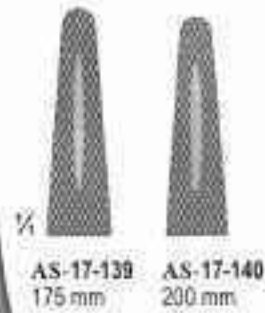








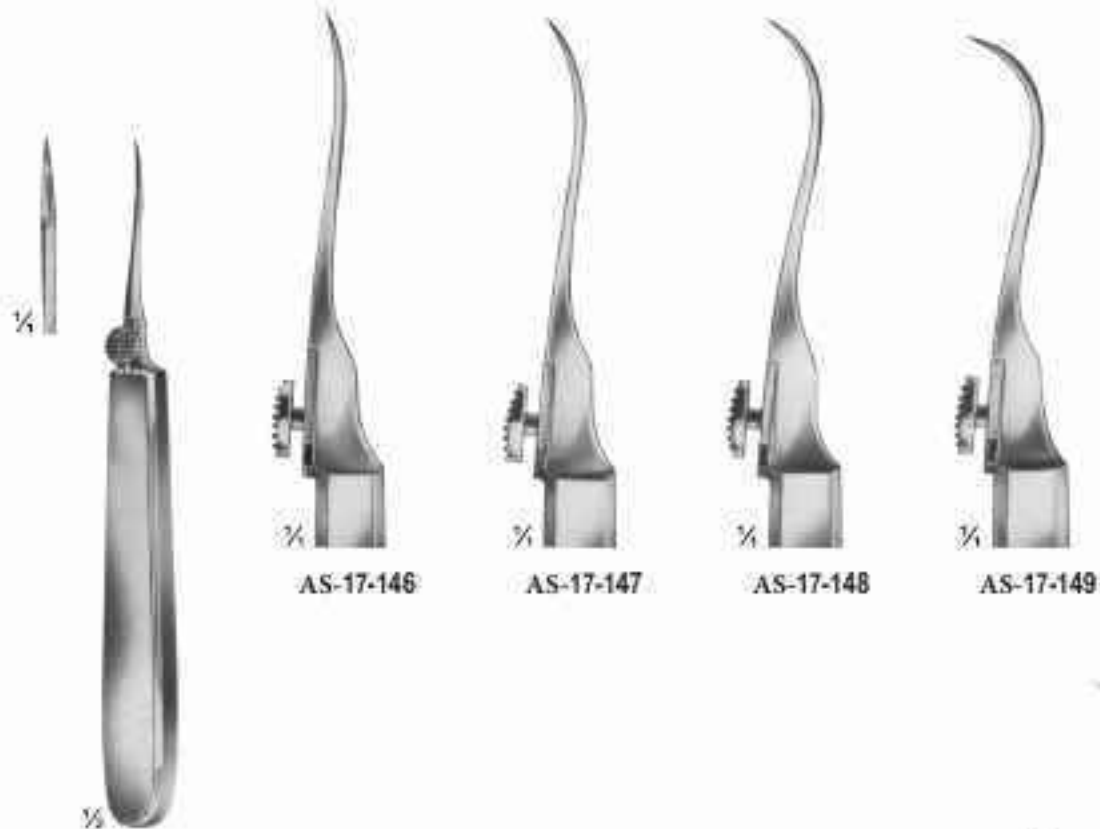
AS-17-136 -
AS-17-138 MATHIEU



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



REVERDIN NEEDLES

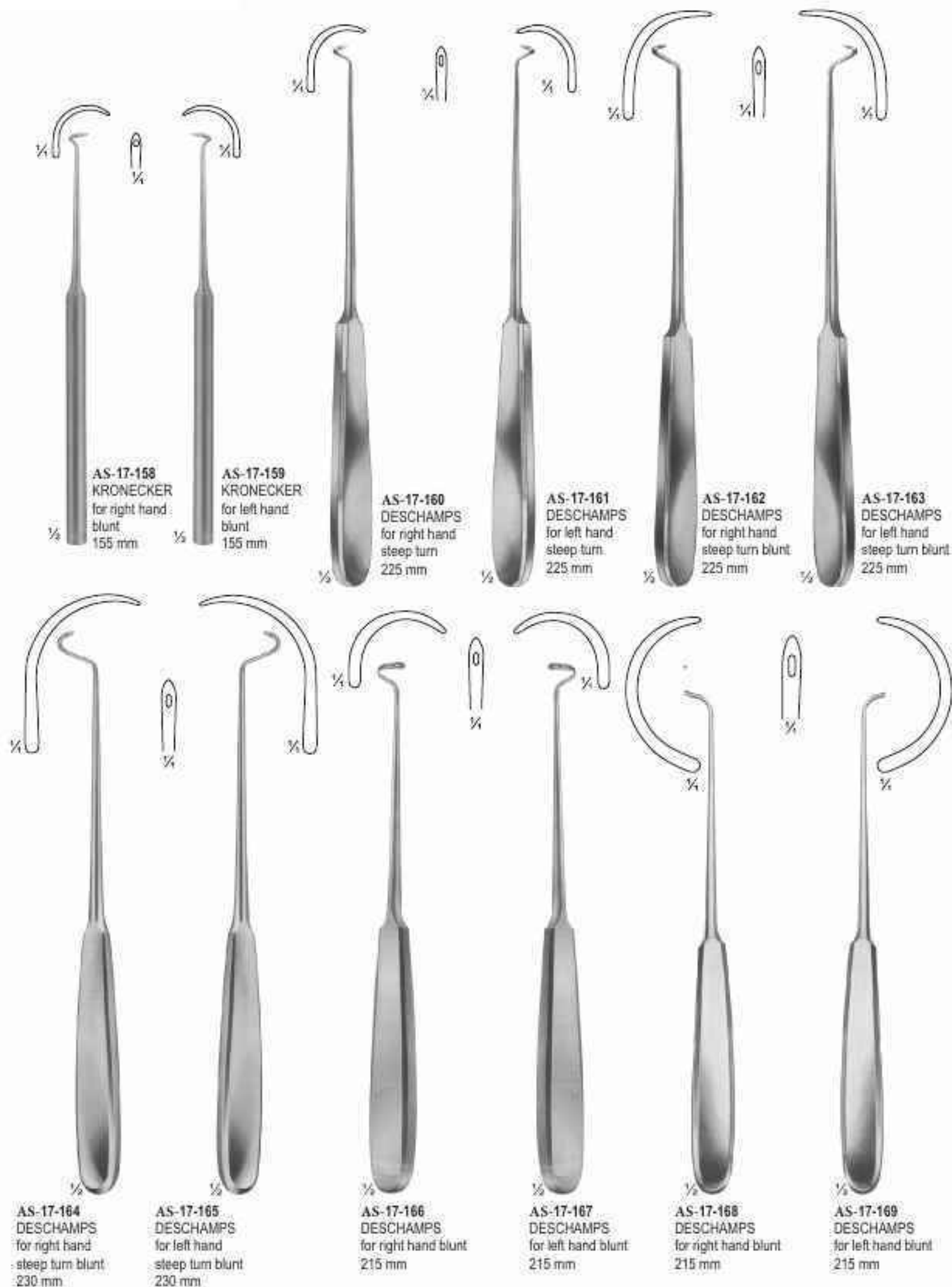


AS-17-146 -
AS-17-149 REVERDIN
140 mm



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

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



IGATURE NEEDLES



AS-17-170
HURD
for right hand
sharp
210 mm



AS-17-171
HURD
for left hand
sharp
210 mm



AS-17-172
DESCHAMPS
for right hand
sharp
215 mm



AS-17-173
DESCHAMPS
for left hand
sharp
215 mm



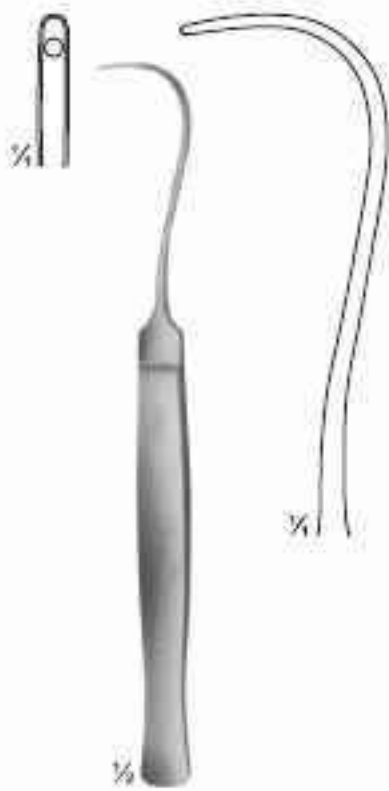
AS-17-174
needle for wire suture
185 mm



AS-17-175
CLAUS VAN EICKEN
Needle for wire suture
250 mm



AS-17-176
150 mm



AS-17-177
SYME
170 mm



AS-17-178
COOPER
205 mm



AS-17-179
KOCHER
205 mm



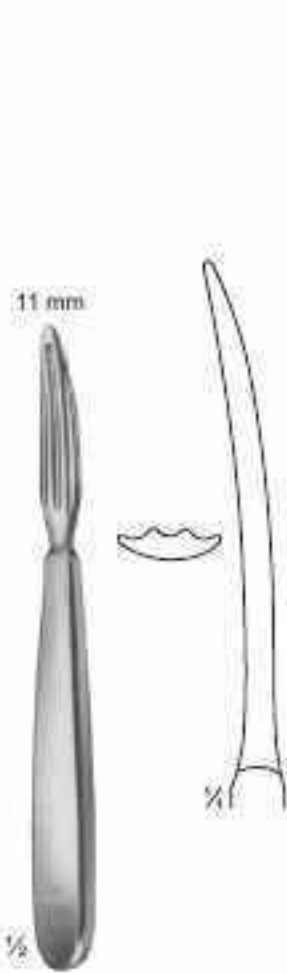
AS-17-180
KOENIG
195 mm



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-17-190
Ligature Adjuster
230 mm



AS-17-188
KIRSCHNER
255 mm



AS-17-191
CASPER
Ligature Adjuster
230 mm



AS-17-189
BRUNNER
245 mm



AS-17-192
WIENER MODEL
Suture hook
235 mm

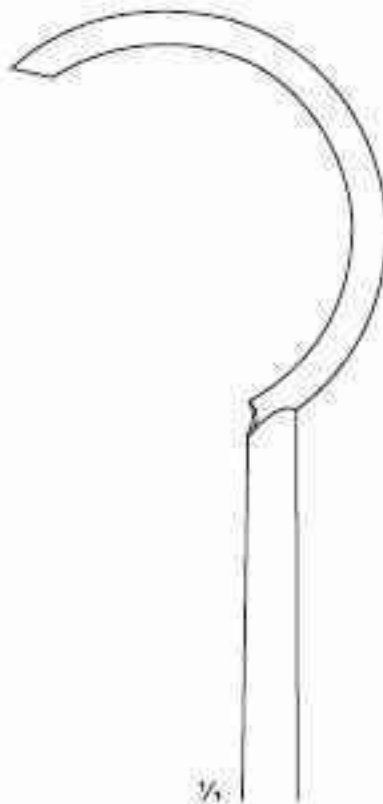




DEMEL
Wire guides
AS-17-198 - AS-17-200
AS-17-198 275 mm
AS-17-199 285 mm
AS-17-200 305 mm



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



DIETHRICH
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



AS-17-215



AS-17-216



CRILE-WOOD
AS-17-217 -
AS-17-218



AS-17-217
15 cm



AS-17-218
18 cm



SAROT
AS-17-219 -
AS-17-221



AS-17-219
18.0 cm



AS-17-220
20.0 cm



AS-17-221
26.0 cm



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 BAKLEY
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

Page 396-406

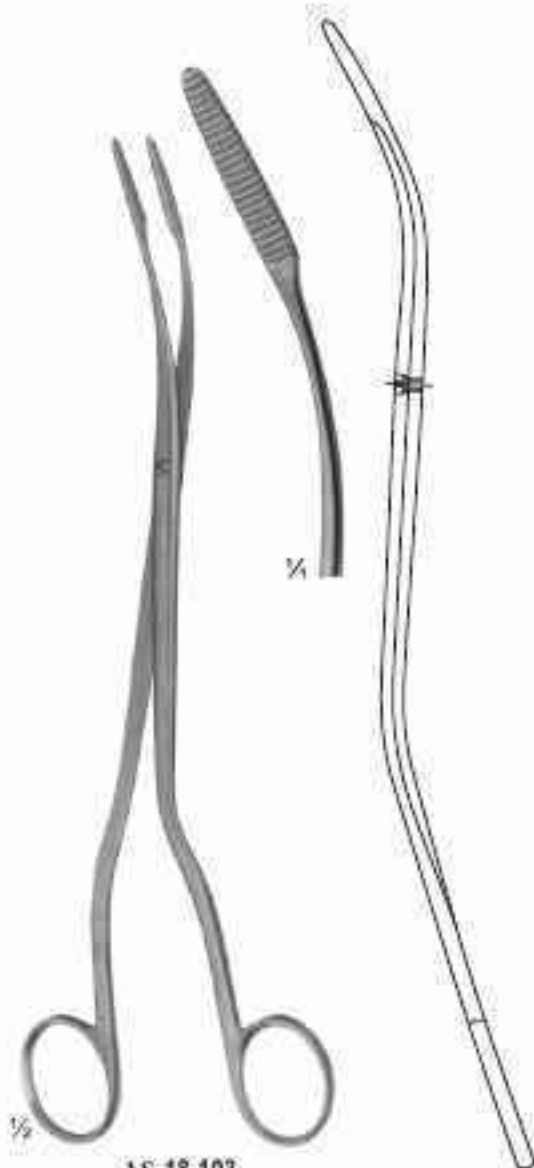
- Gall Bladder, Liver and Spleen Instruments
- Genito Urinary Instruments



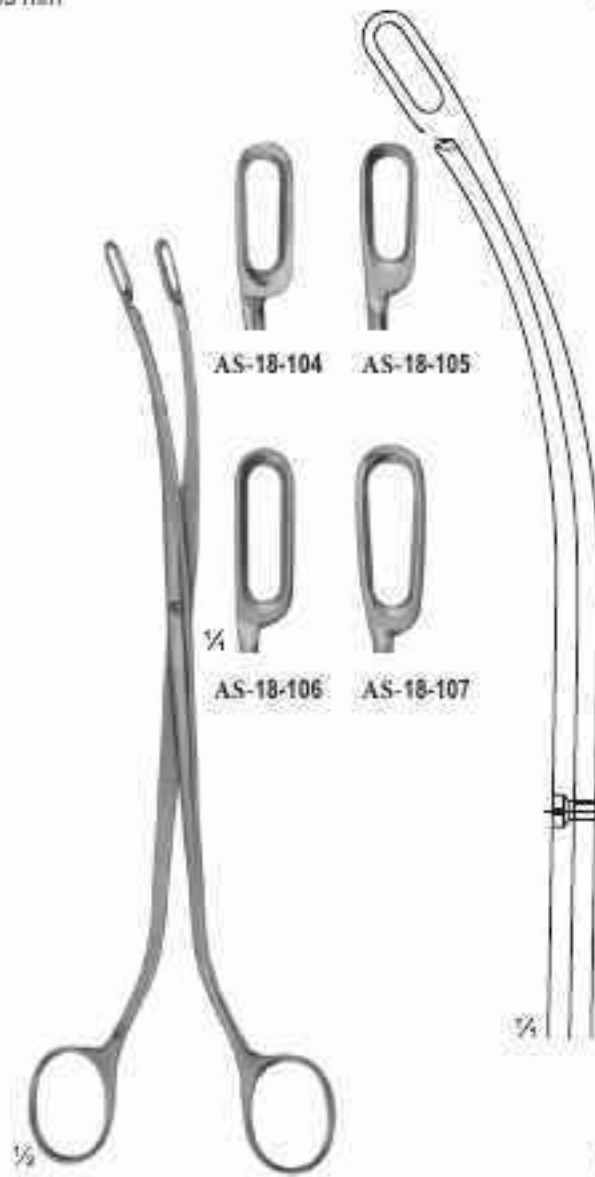
AS-18-101
BLAKE
205 mm



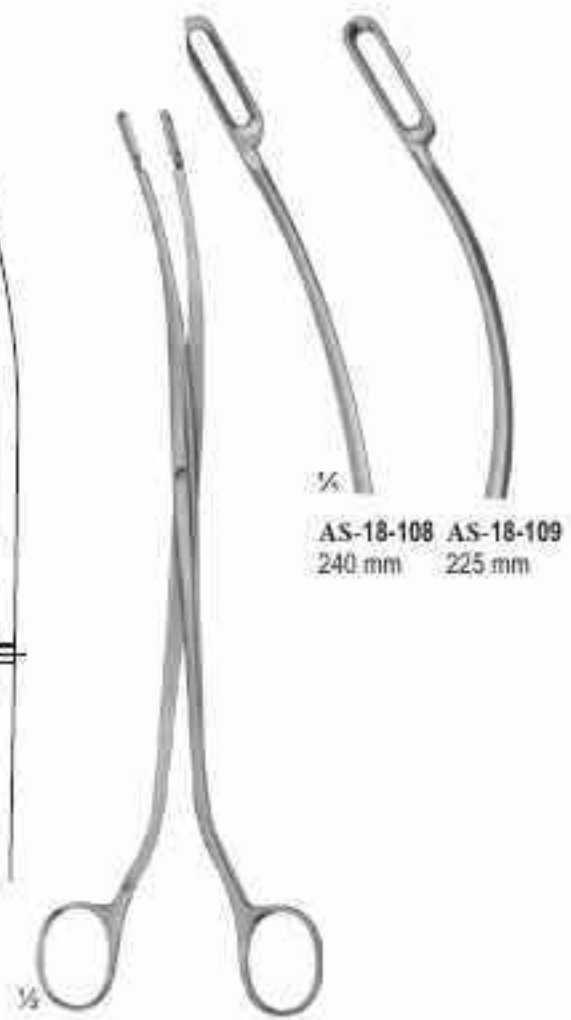
AS-18-102
BLAKE
205 mm



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

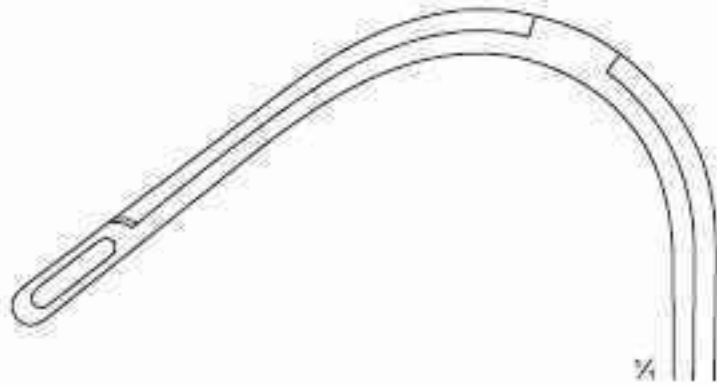


Fig. 1
AS-18-117
230 mm

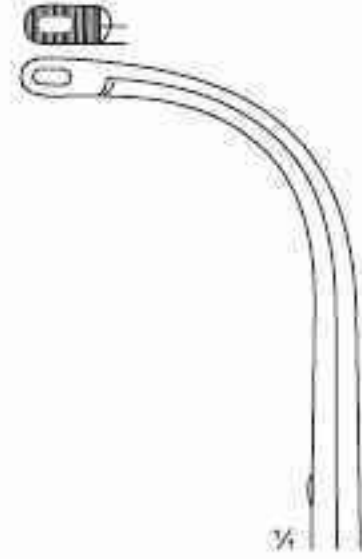


Fig. 1
AS-18-119
160 mm

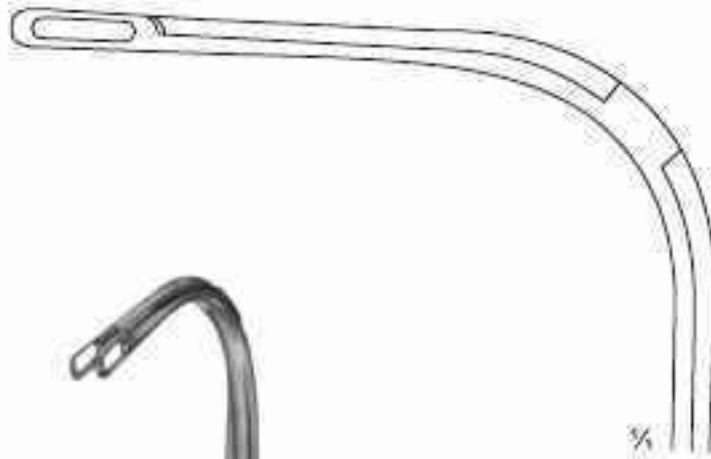


Fig. 2
AS-18-118
240 mm



RANDALL
AS-18-117 -
AS-18-118



HEIMING
AS-18-119 -
AS-18-120



Fig. 1
AS-18-120
170 mm



ELSASSIER
AS-18-121 -
AS-18-122 210 mm

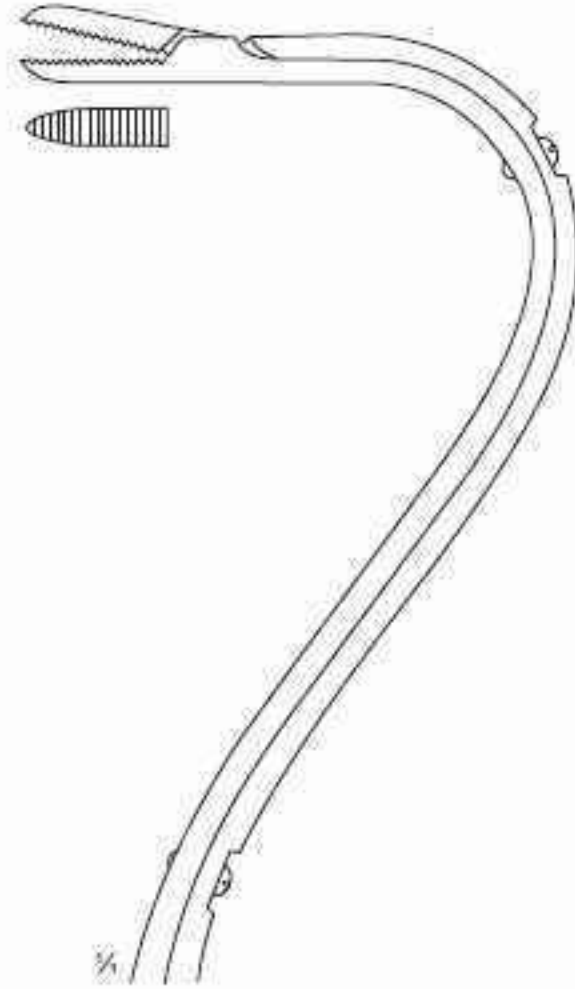


Fig. 1
AS-18-121

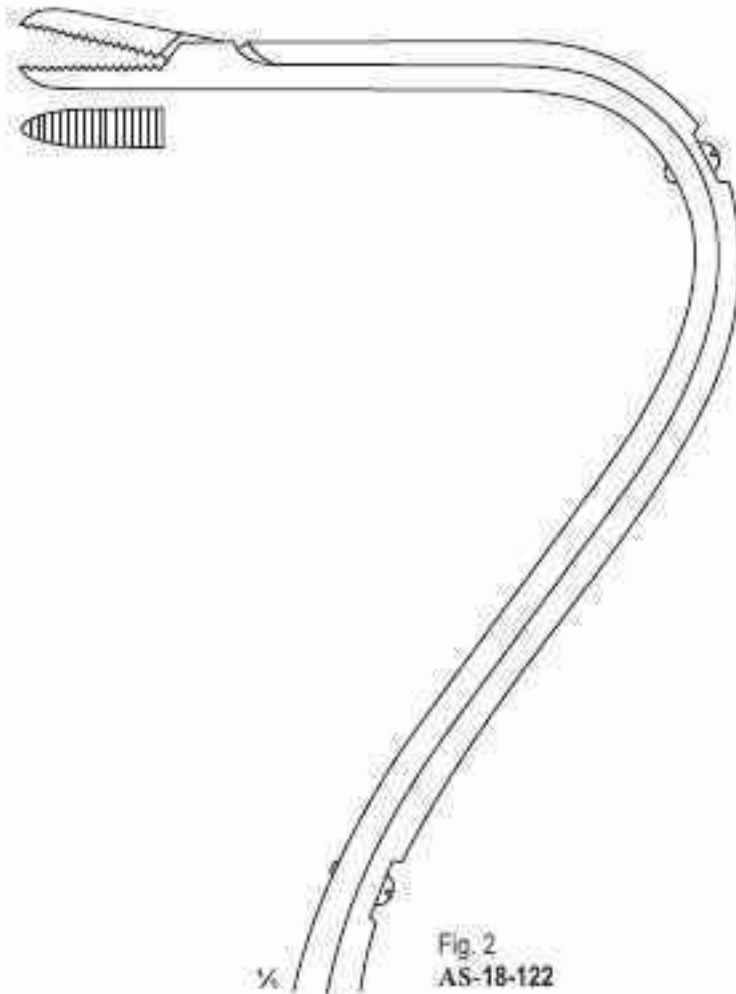
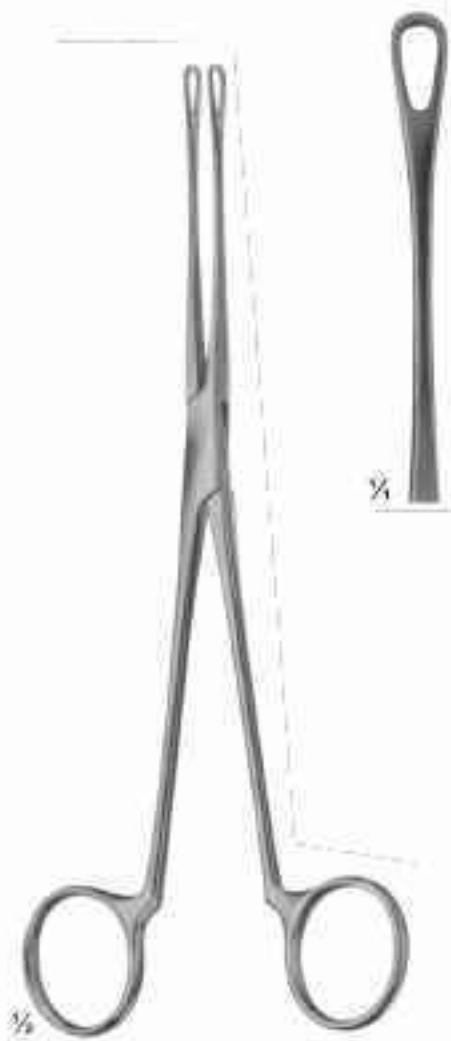


Fig. 2
AS-18-122



BLAKE
AS-18-123
205 mm



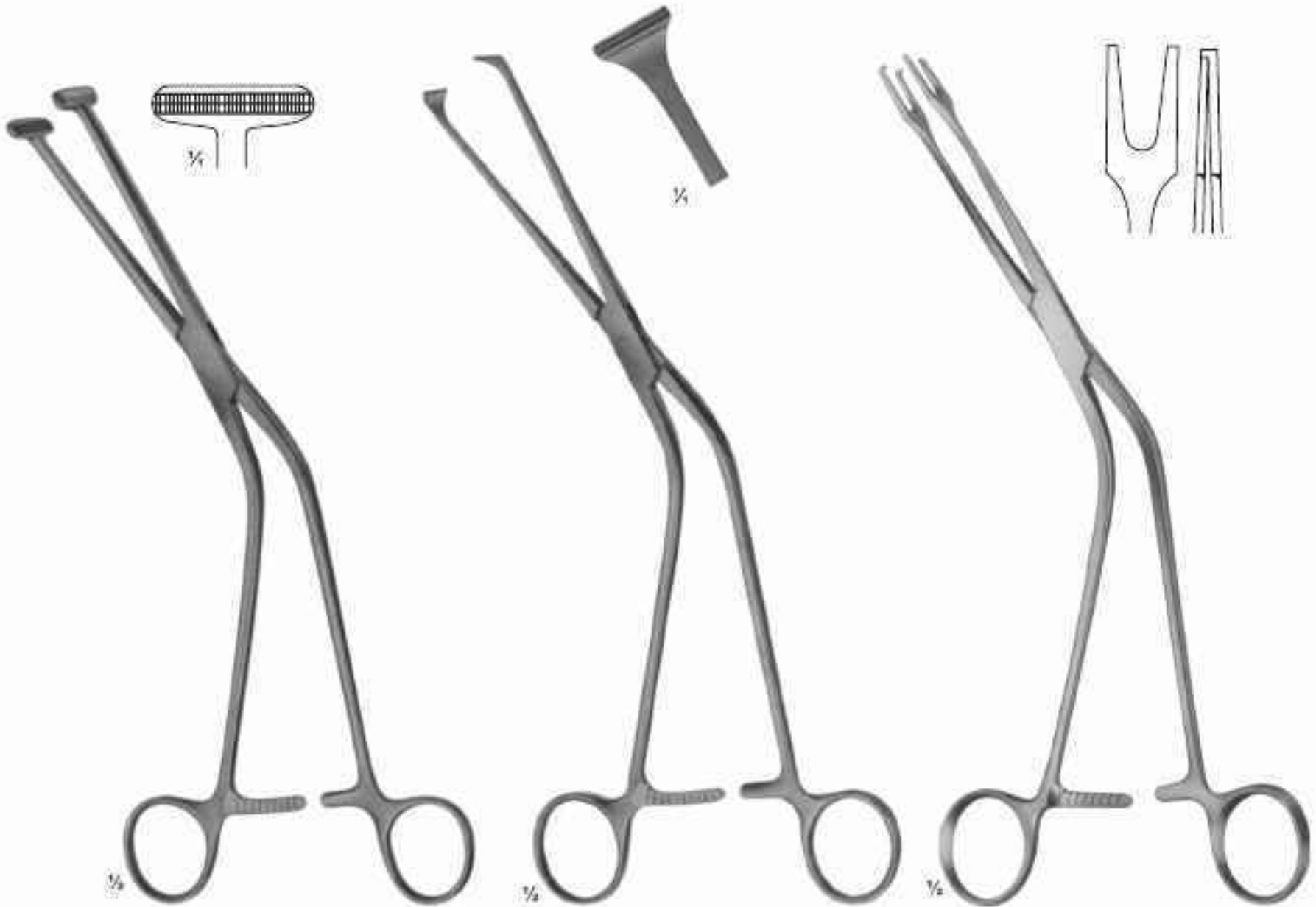
BLAKE
AS-18-124
205 mm



MAYO-BLAKE
AS-18-125
210 mm



MAYO-BLAKE
AS-18-126
210 mm



MILLIN
Lobe grasping forceps
AS-18-127
235 mm

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



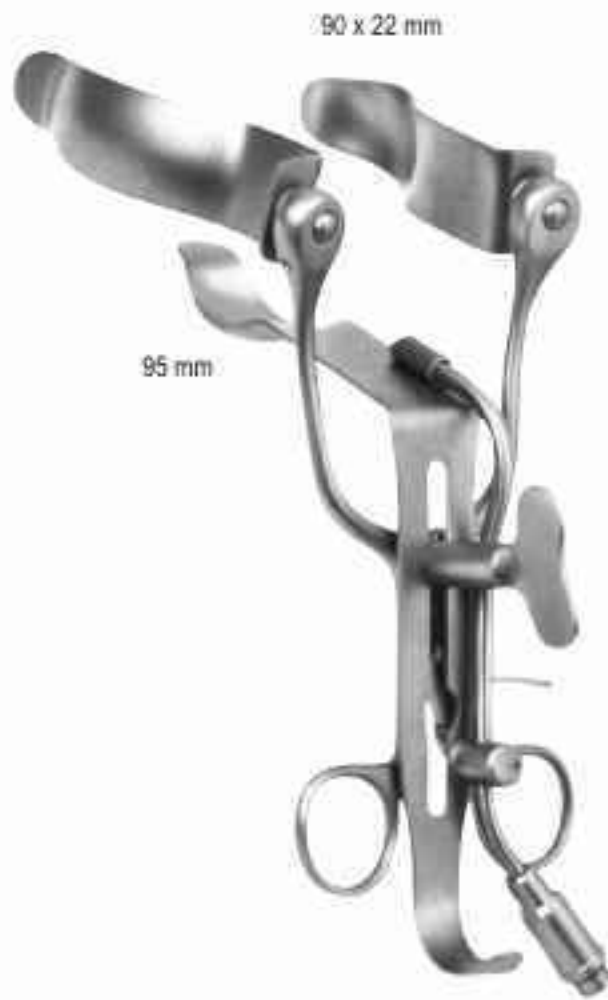
YOUNG
AS-18-135
210 mm



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

Ø 3.5 mm



1/8

AS-18-141
HAJEK
Irrigating cannula,
silver
165 mm

Ø 5 mm



1/8

AS-18-142
MOYNIHAN
Gall duct probes,
malleable
365 mm

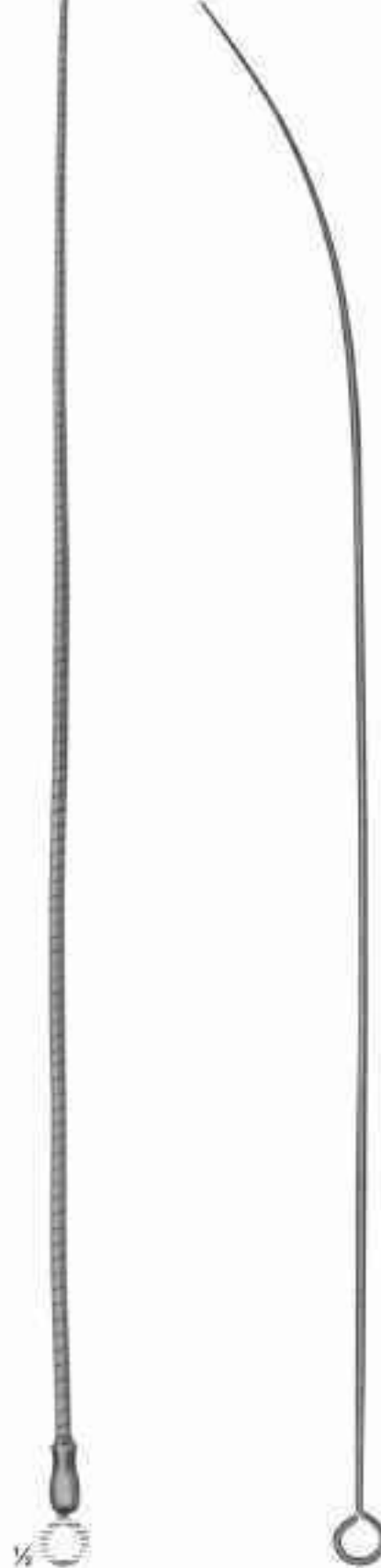
Ø 5 mm



1/8

AS-18-143
MAYO
Gall duct probes,
malleable
330 mm

Ø 3.5 mm



1/8

AS-18-14
COHNER
Gall duct probes, flexible
400 mm

Ø 3.8 mm



1/8

AS-18-145 -
AS-18-147
DESJARDINS
Gall duct probes,
flexible
285 mm

1/8

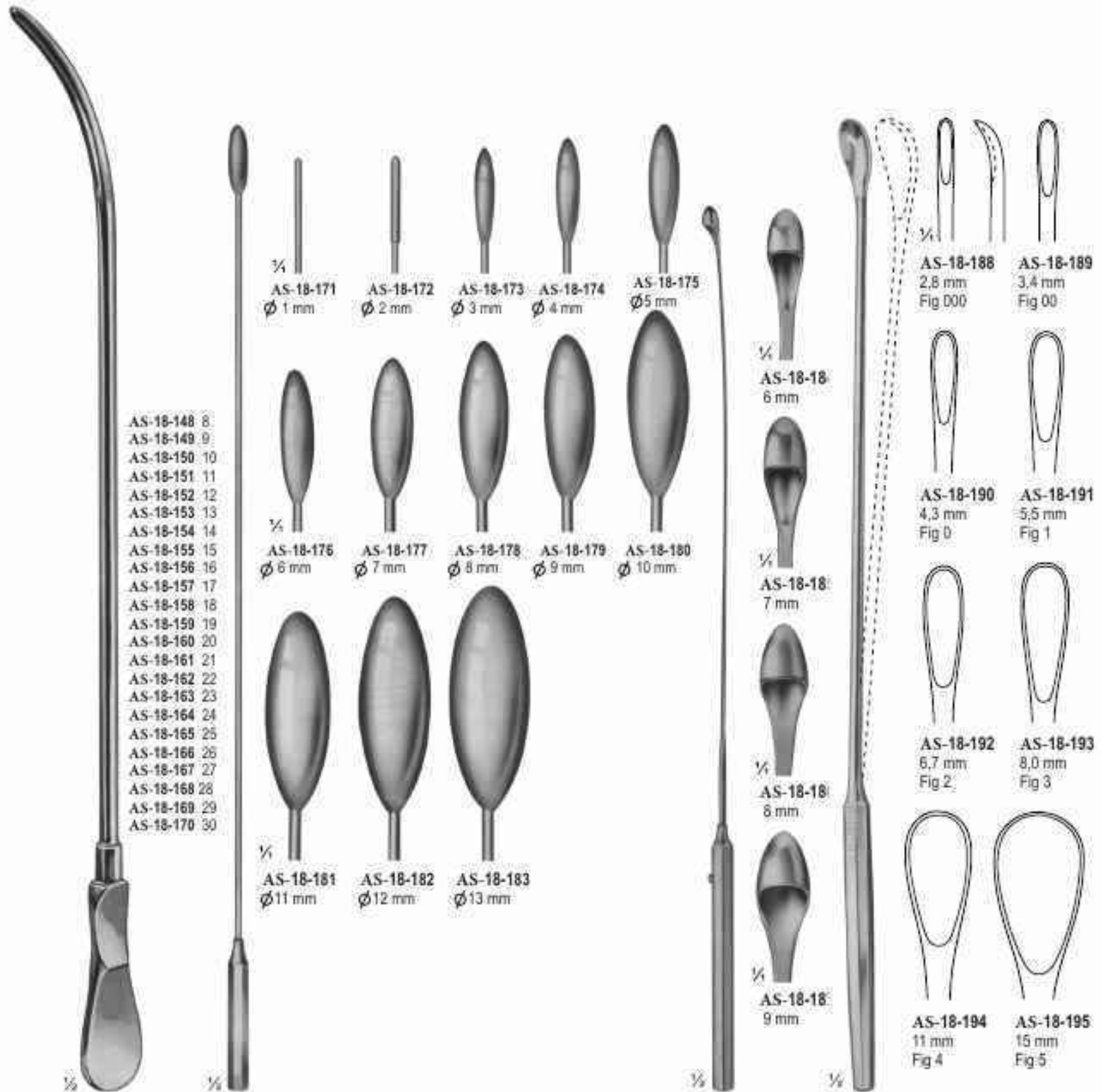
AS-18-145

1/8

AS-18-146

1/8

AS-18-147



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

Page 407-463

- 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-19-102
150 mm



AS-19-103
190 mm



AS-19-104
245 mm



AS-19-105 - AS-19-106



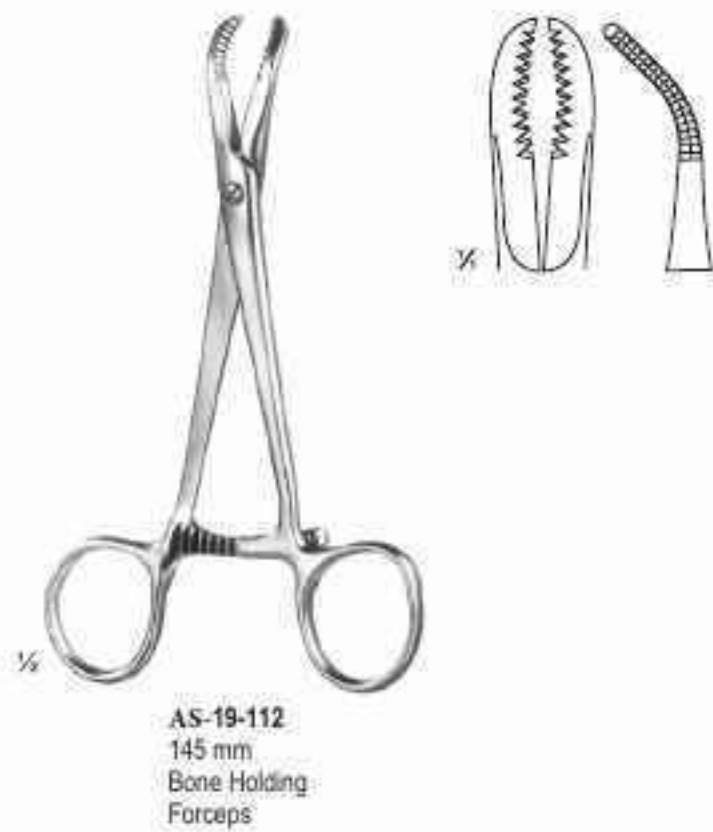
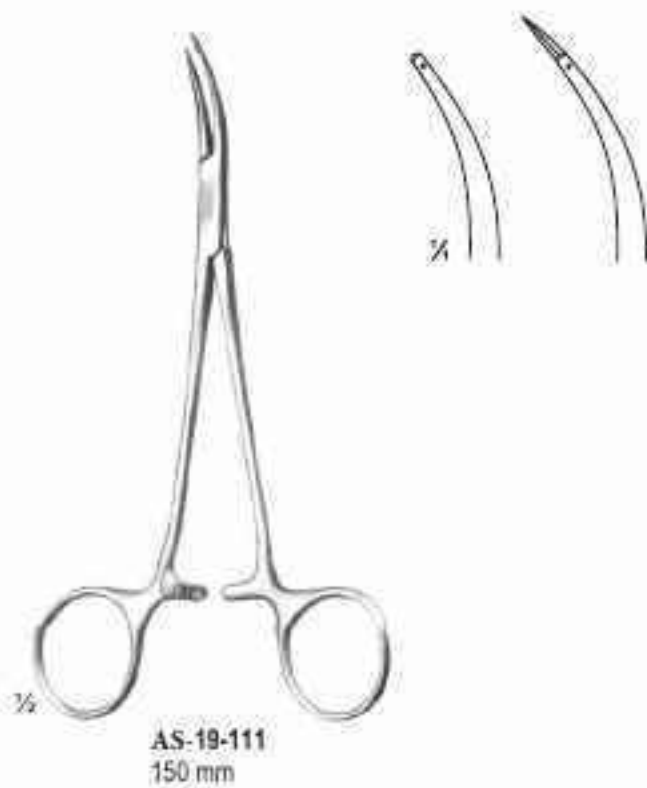
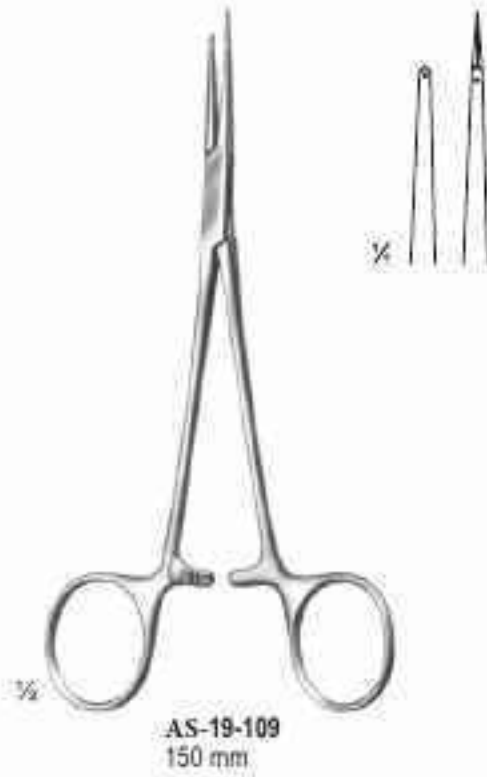
AS-19-105
210 mm



AS-19-106
205 mm



CARROLL
AS-19-107
115 mm





Repositioning forceps,
for small fragments.
AS-19-113
135 mm



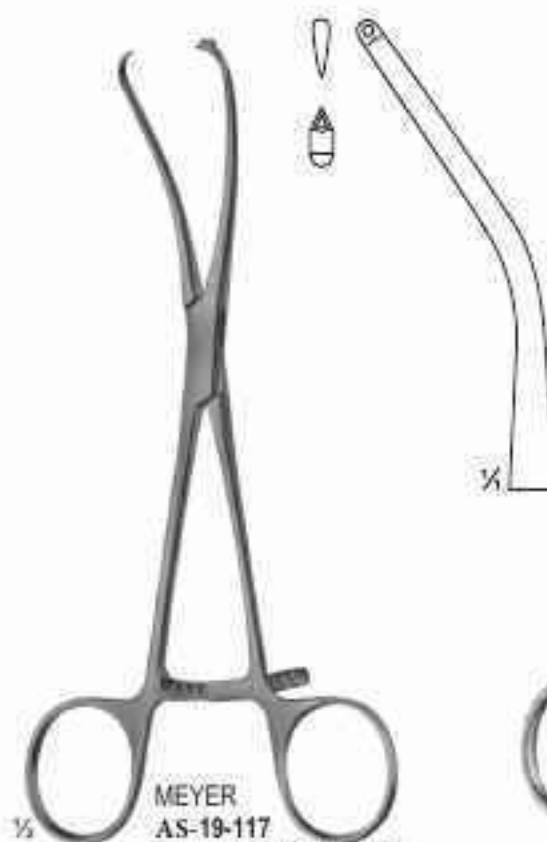
HAASE
Repositioning forceps,
for mandibular
fractures
AS-19-114
165 mm



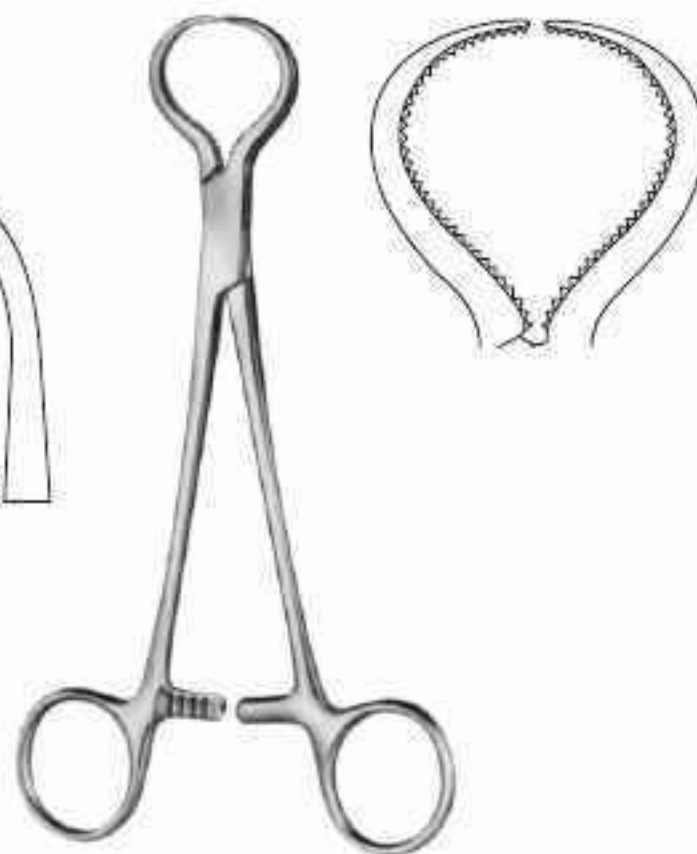
REILL
Repositioning forceps.
AS-19-115
170 mm



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 17
cm



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



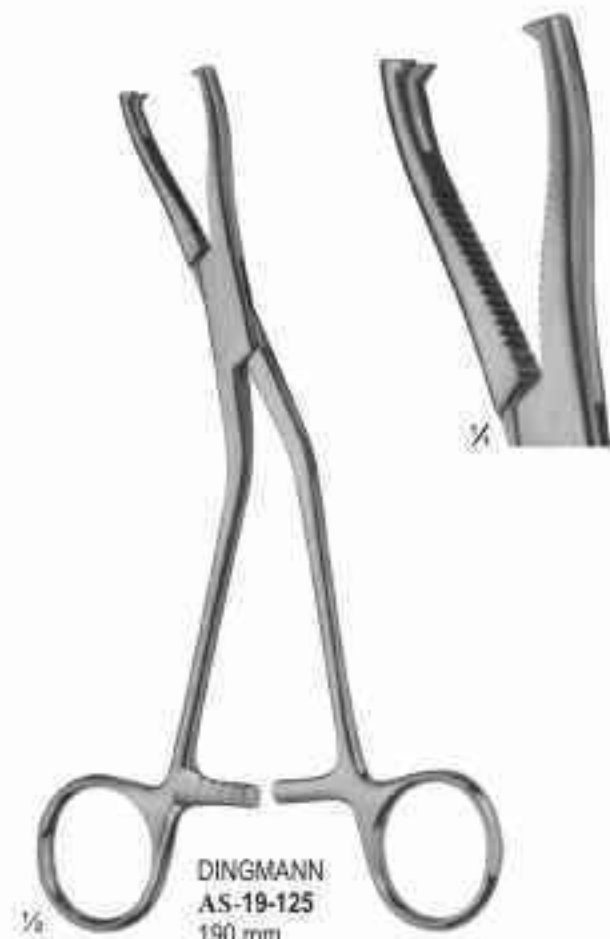
SETTER
AS-19-122
135 mm



SETTER
AS-19-123
170 mm



SETTER
AS-19-124
235 mm

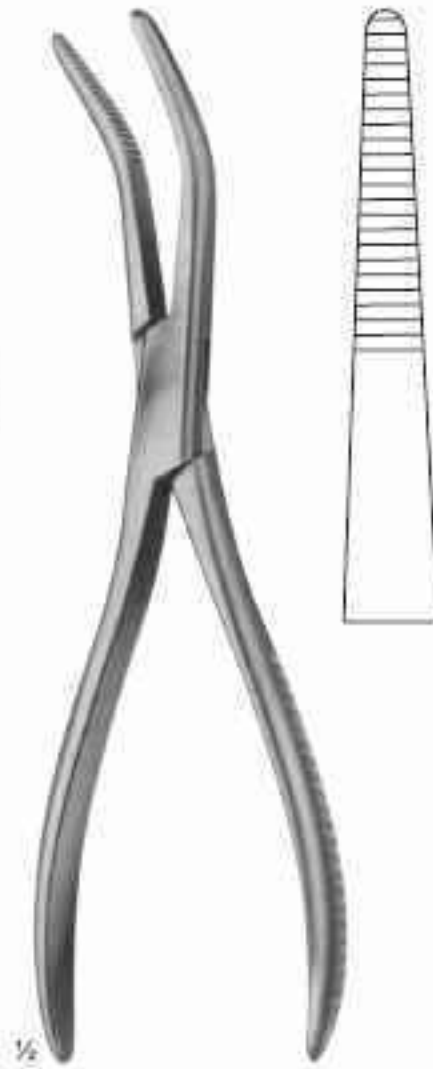
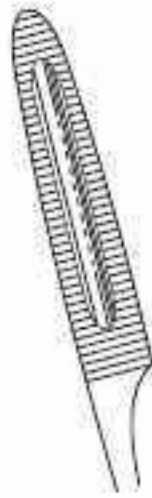
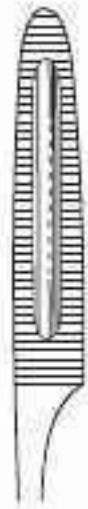


DINGMANN
AS-19-125
190 mm

1/4



Sequestrum
forceps
AS-19-126
200 mm



VAN BUREN
Sequestrum
forceps
AS-19-127
230 mm



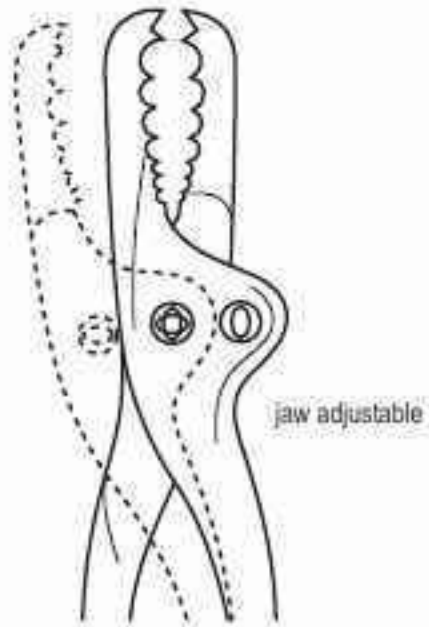
LANGENBECK
Sequestrum
forceps
AS-19-128
205 mm



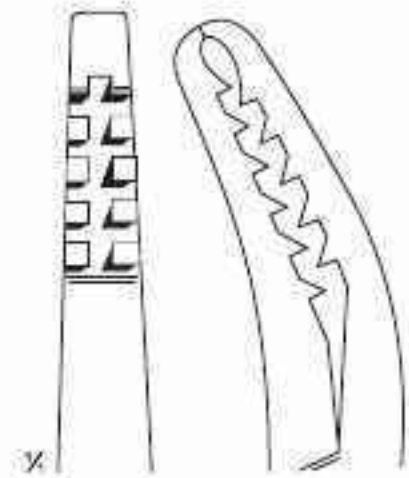
FERGUSON
AS-19-129
205 mm

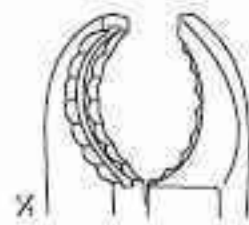
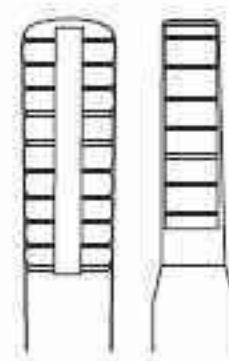
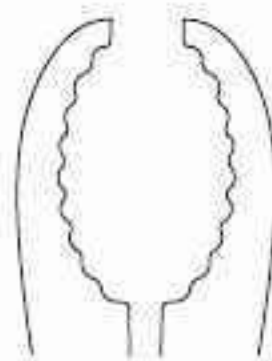
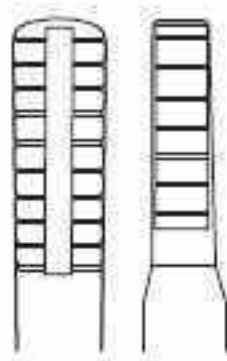
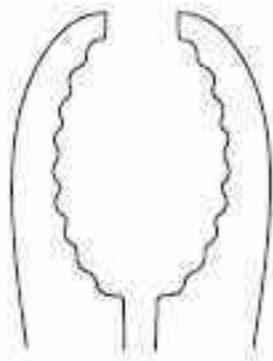


SEMB
AS-19-130
190 mm

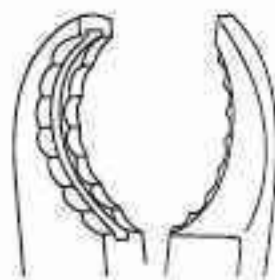


SEMB
AS-19-131
195 mm

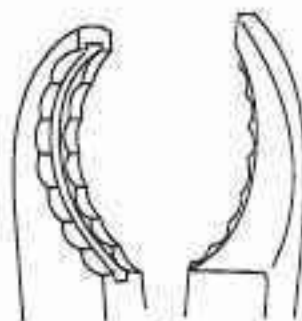




AS-19-132
230 mm



AS-19-133
250 mm

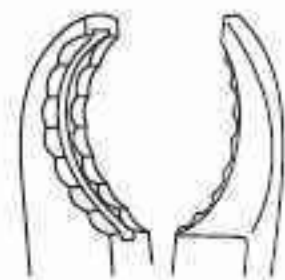


AS-19-134
280 mm

ULRICH
AS-19-132 -
AS-19-134 With thread.
Fixation



AS-19-135
230 mm



AS-19-136
250 mm



AS-19-137
270 mm

ULRICH
AS-19-135 -
AS-19-137 With thread.
Fixation



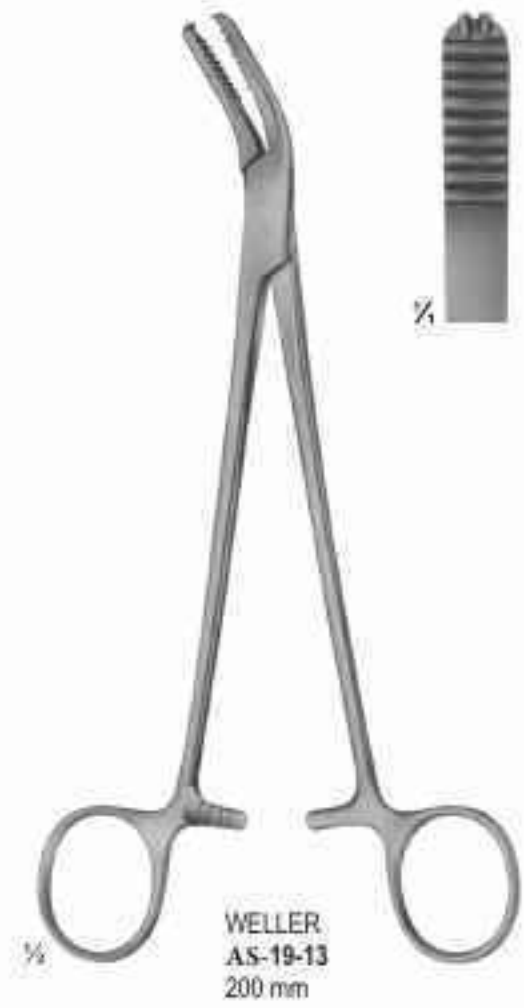
FARABEUF
AS-19-138
230 mm



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





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
AS-19-163	
Weight	Head
320 g	Ø 28
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
AS-19-166	
Weight	Head
180 g	Ø 30
AS-19-167	
Weight	Head
260 g	Ø 35
	mm



1/2

PARTSCH
AS-19-16
With Hollow Handle
190 mm

Weight	Head
175 g	Ø27 mm



VIKERS
AS-19-169
190 mm

Weight	Head
185 g	Ø25 mm



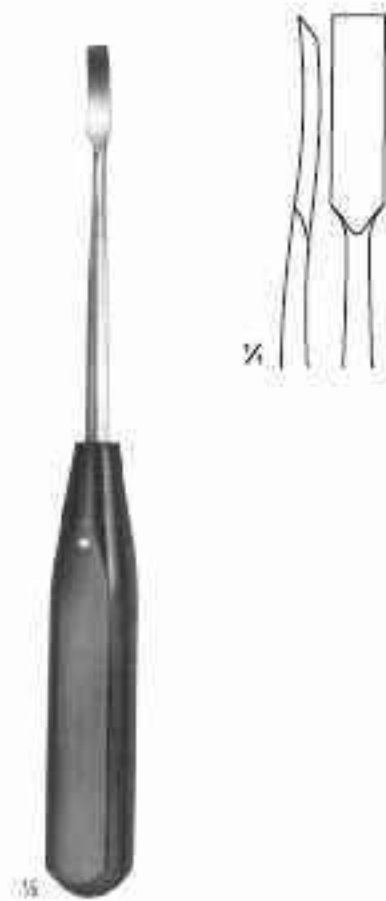
HERBERT
AS-19-17
for Ulna Head Prosthesis
190 mm

Weight	Head
215 g	Ø25 mm

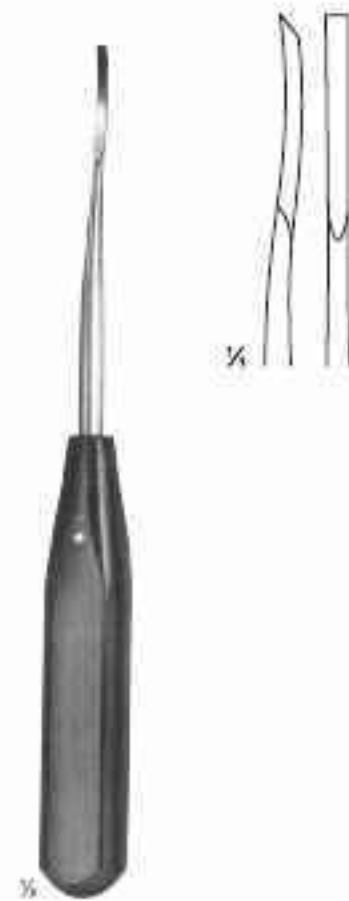




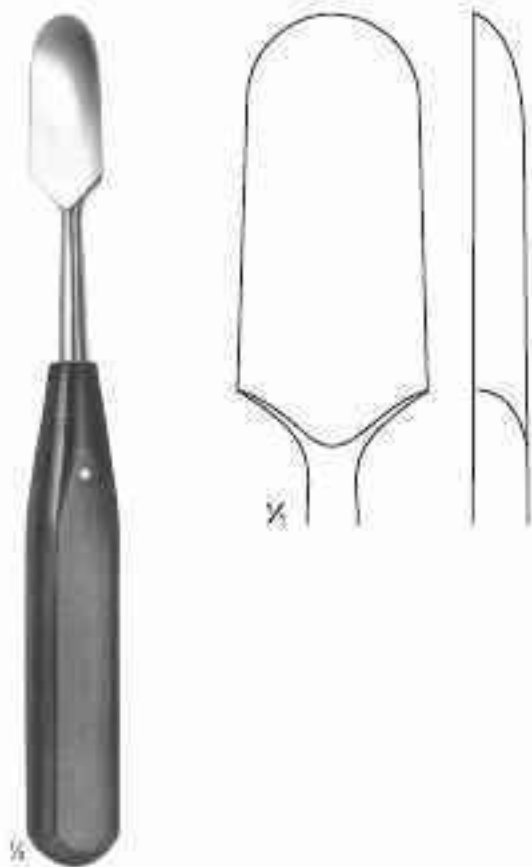
AS-19-187
180 mm
6 mm



AS-19-188
180 mm
6 mm



AS-19-189
180 mm
3 mm



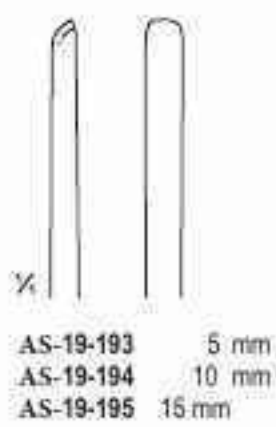
AS-19-190
180 mm
20 mm



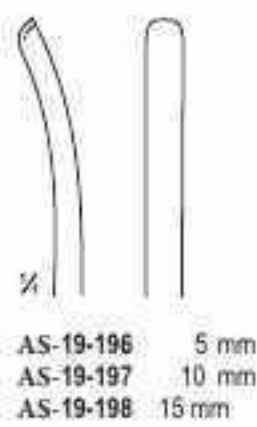
AS-19-191
200 mm
14 mm



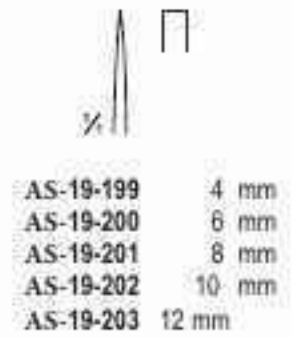
AS-19-192
190 mm
14 mm



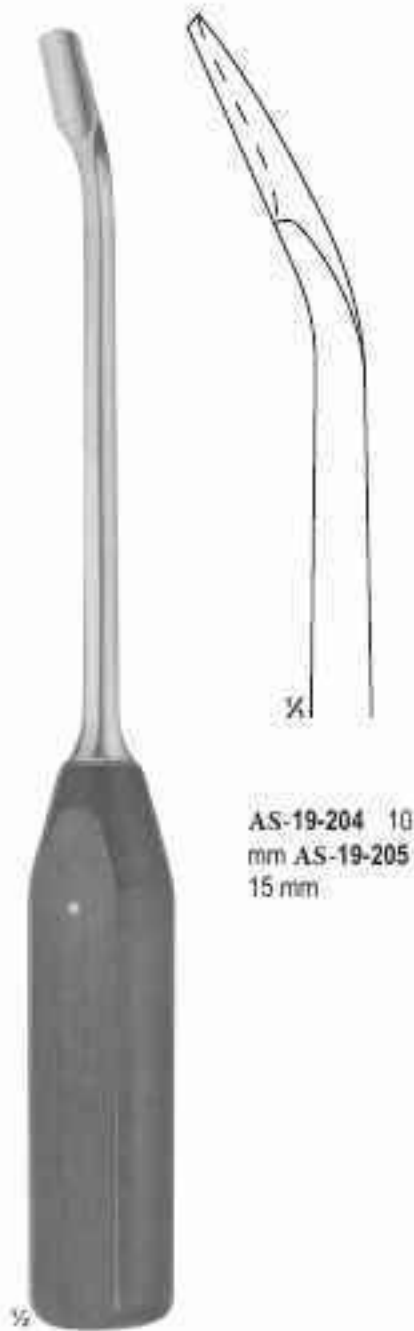
LEXER
AS-19-193 -
AS-19-195 245 mm



LEXER
AS-19-196 -
AS-19-198 245 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

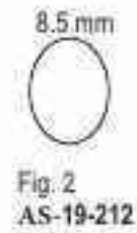
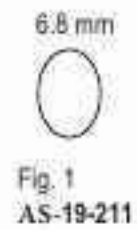
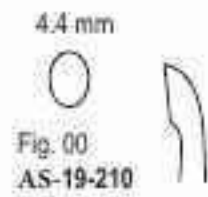


AS-19-208 5.5
mm AS-19-209 9
mm

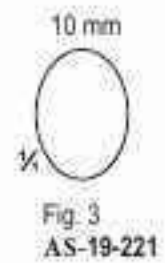
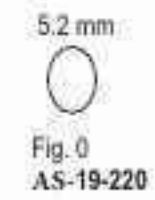
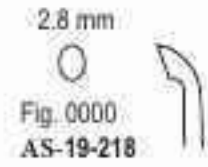
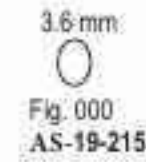
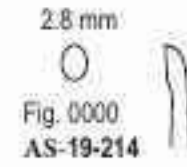
ZIELKE
AS-19-208 -
AS-19-209 Gouge for
scoliose-operations
230 mm



AS-19-210 -
AS-19-213 270 mm



SYPERT
AS-19-214 -
AS-19-221 380 mm



ND GOUGES WITH HANDLE



LANGENBECK
AS-19-222 -
AS-19-223



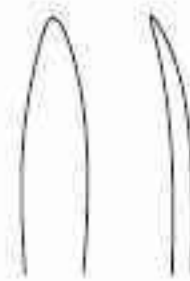
AS-19-222
200 mm



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

- AS-19-234
3 mm
- AS-19-235
5 mm
- AS-19-236
6 mm
- AS-19-237
8 mm
- AS-19-238
9 mm



HIBBS
AS-19-239 -
AS-19-243 245 mm

- AS-19-239
6 mm
- AS-19-240
13 mm
- AS-19-241
19 mm
- AS-19-242
25 mm
- AS-19-243
32 mm



HIBBS
AS-19-244 -
AS-19-248 245 mm

- AS-19-244
6 mm
- AS-19-245
13 mm
- AS-19-246
19 mm
- AS-19-247
25 mm
- AS-19-248
32 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



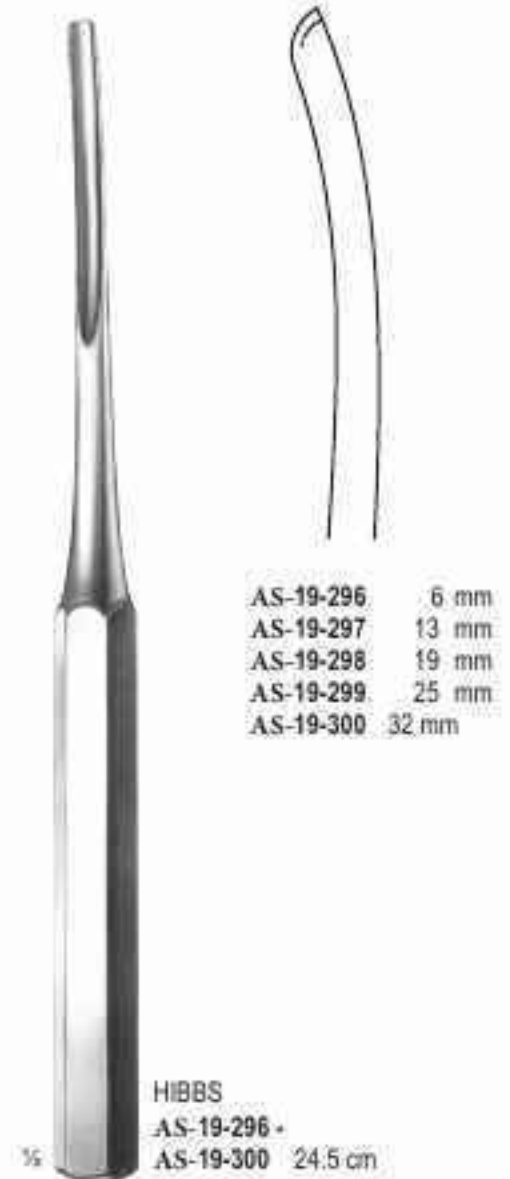
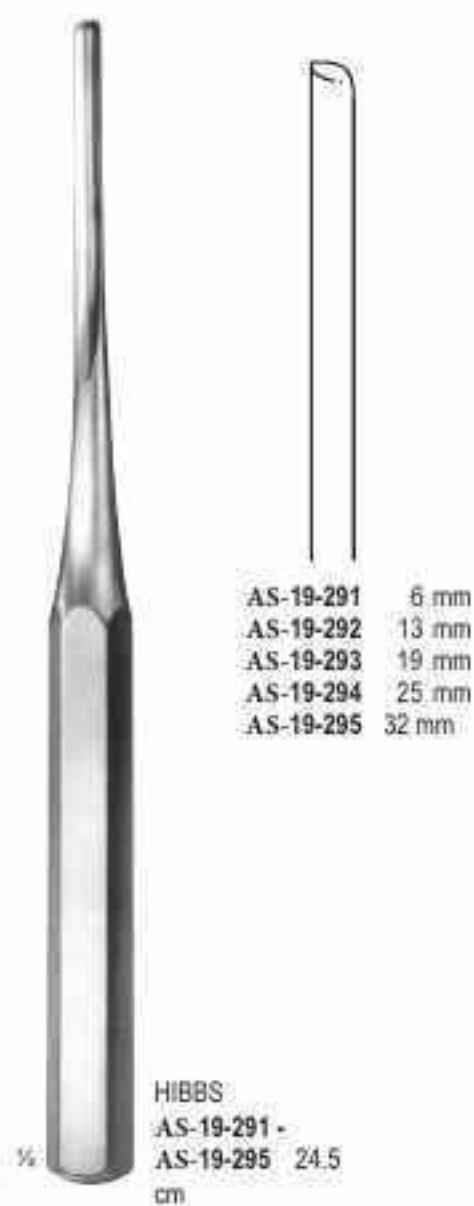
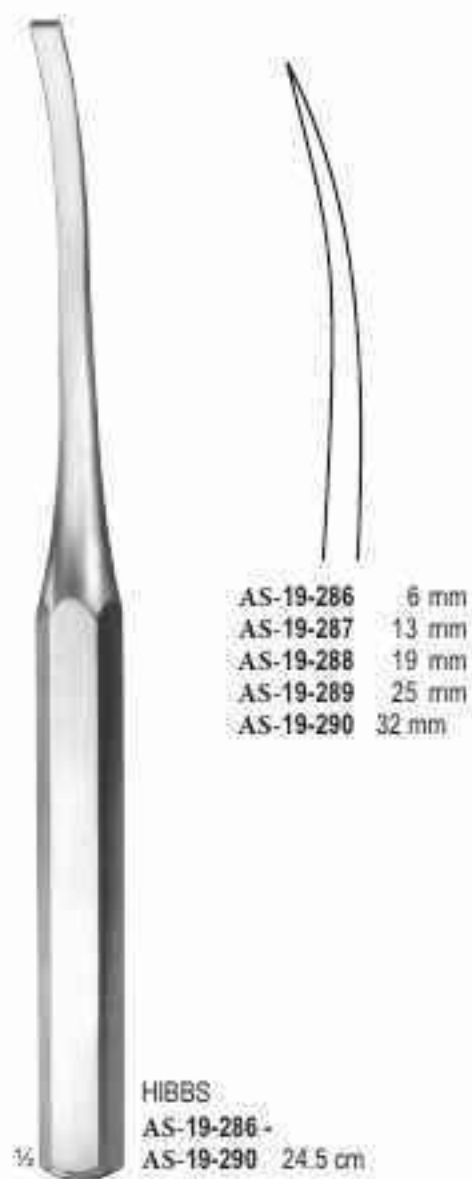
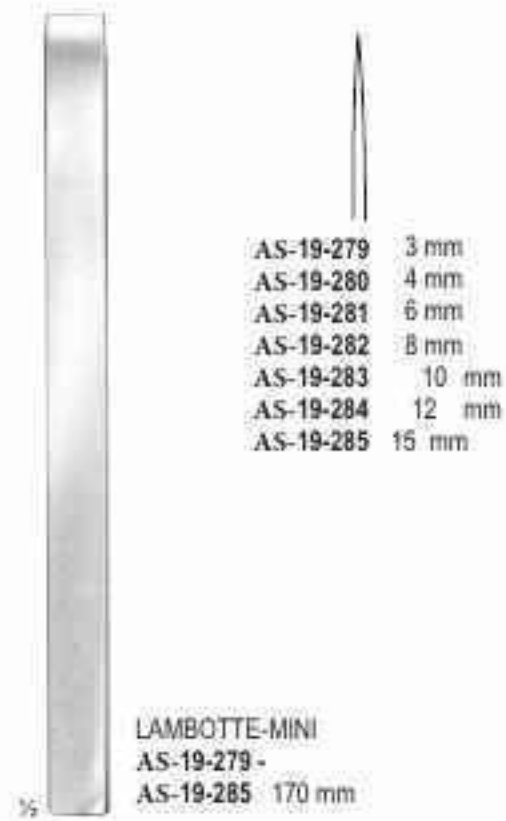
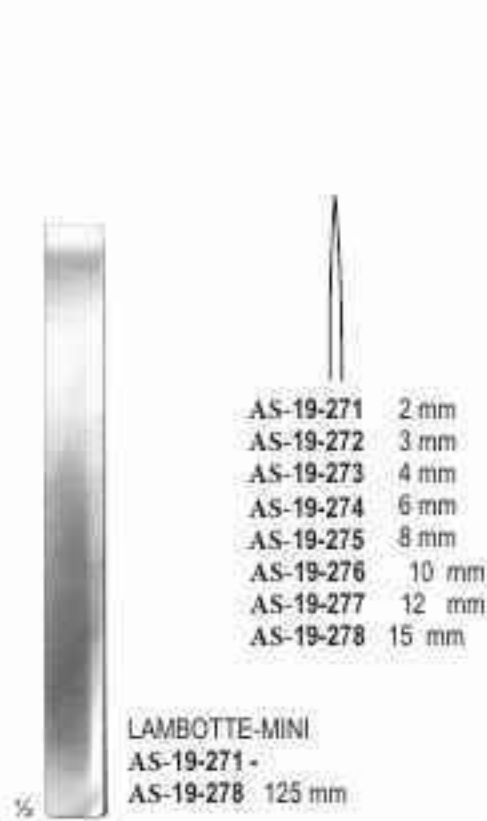
AS-19-263
9 mm
AS-19-264
14 mm
AS-19-265
19 mm
AS-19-266
25 mm



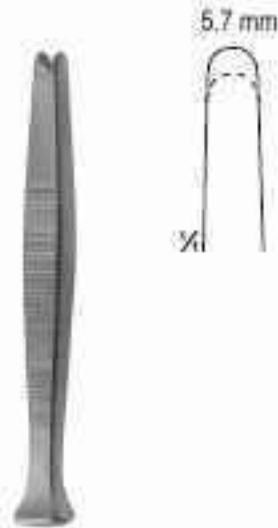
SMITH-PETERSEN
AS-19-267 -
AS-19-270 205 mm



AS-19-267
9 mm
AS-19-268
14 mm
AS-19-269
19 mm
AS-19-270
25 mm



CHISELS AND GOUGES



Haase
AS-19-301
100 mm



PASSOW
AS-19-302 -
AS-19-303 120 mm

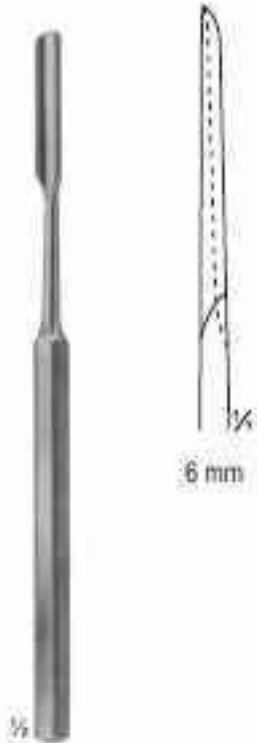
$\frac{1}{4}$ □
AS-19-302
5.7 mm
 $\frac{1}{4}$ □
AS-19-303
3.5 mm



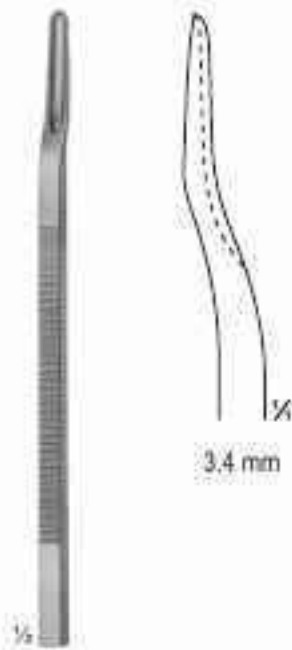
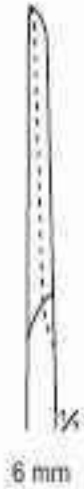
FREER
Chisel
AS-19-304
160 mm



FREER
Chisel, curved
AS-19-305
160 mm



FREER
Gouge
AS-19-306
150 mm



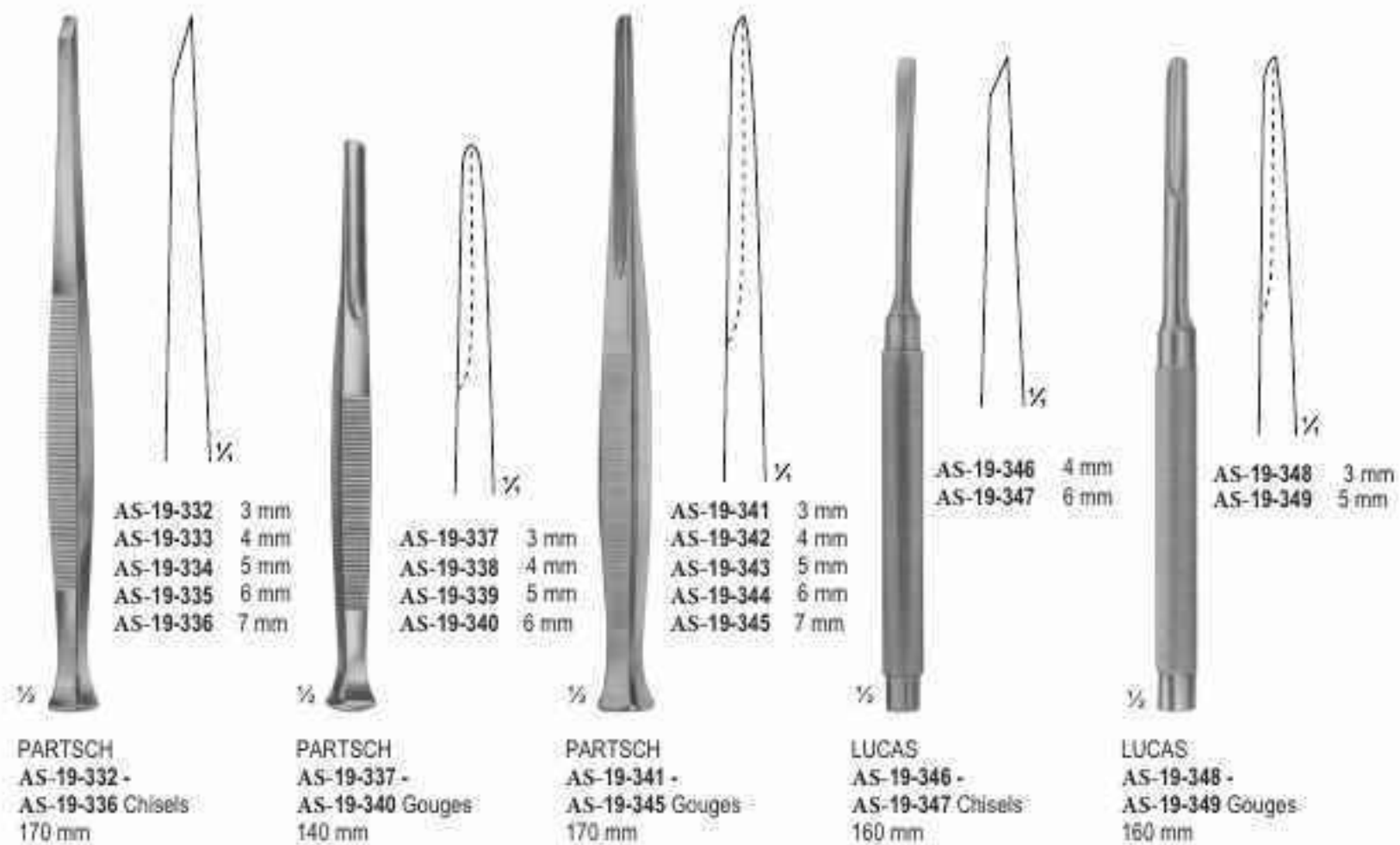
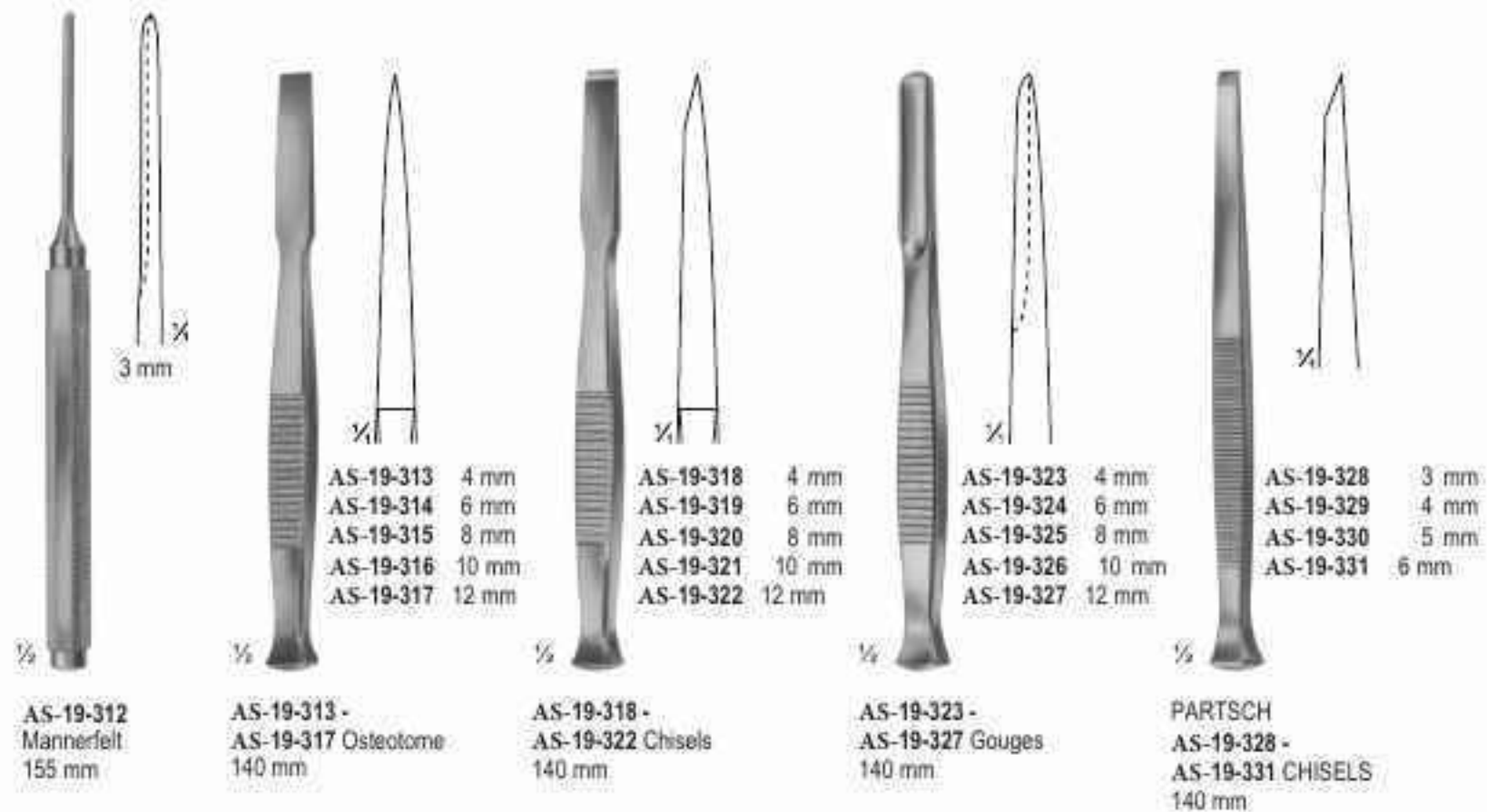
Scaphoid gouge,
downwards curved
AS-19-307
135 mm

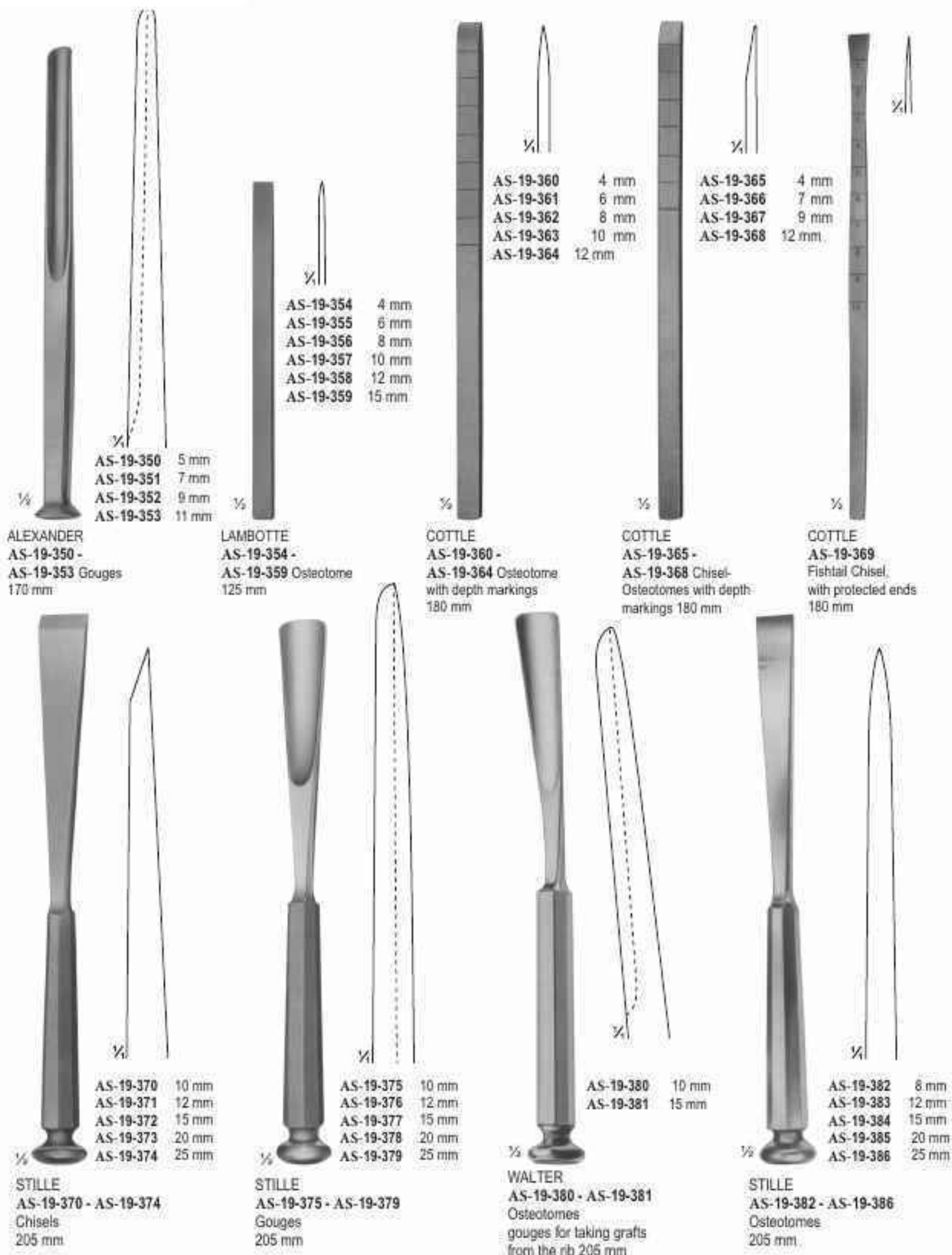


Scaphoid gouge,
upwards curved
AS-19-308
135 mm



Mannerfelt
AS-19-309 - AS-19-311
AS-19-309 4 mm
AS-19-310 6 mm
AS-19-311 8 mm 155 mm



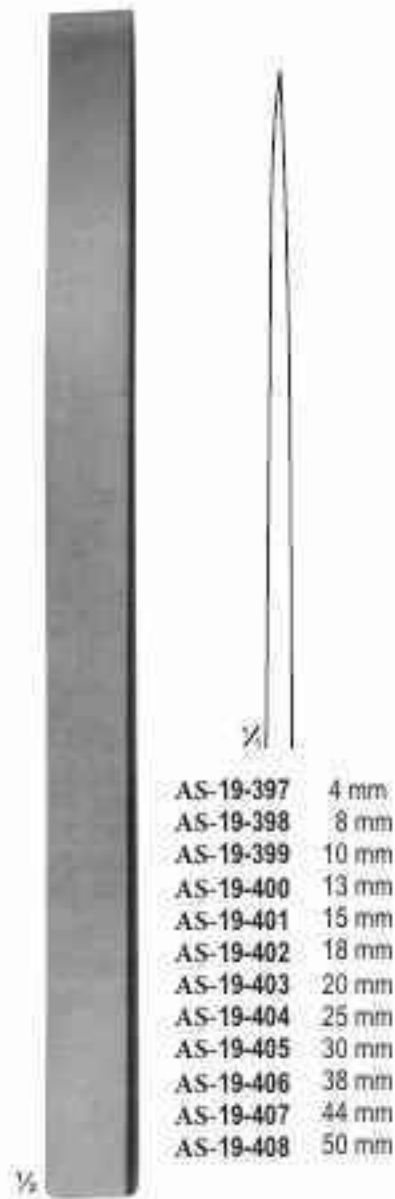




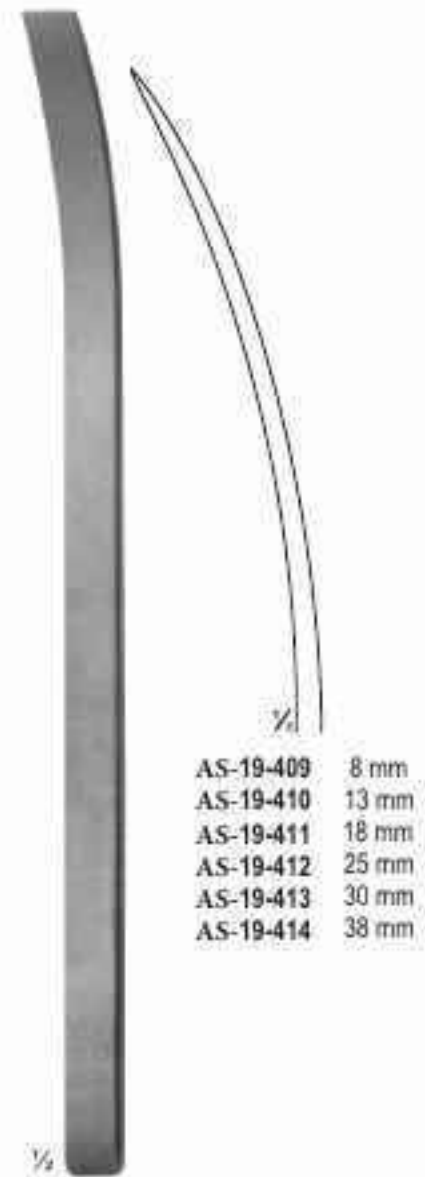
STILLE
AS-19-387 - AS-19-391
Osteotomes
205 mm



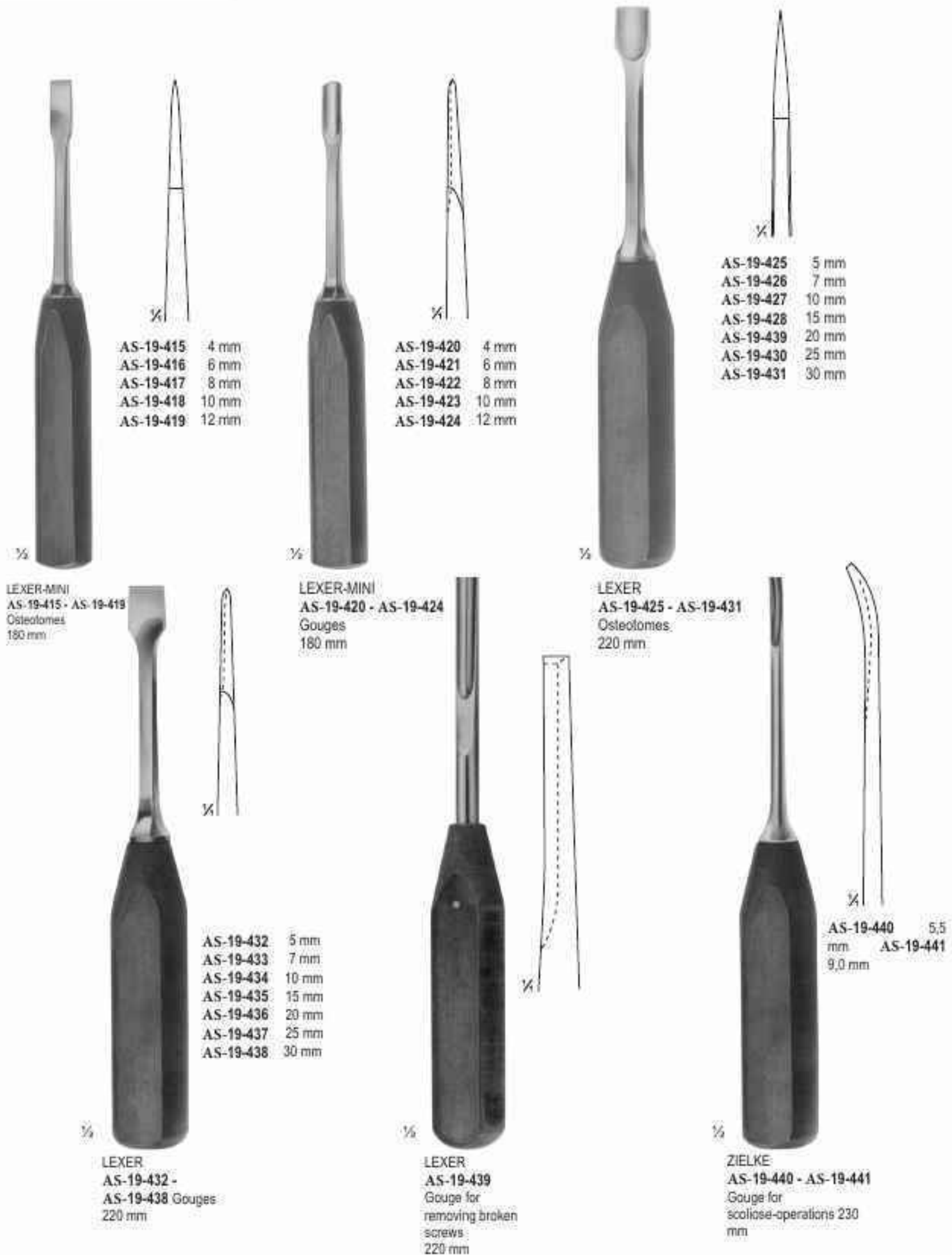
STILLE
AS-19-392 - AS-19-396
Osteotomes, curved 205
mm

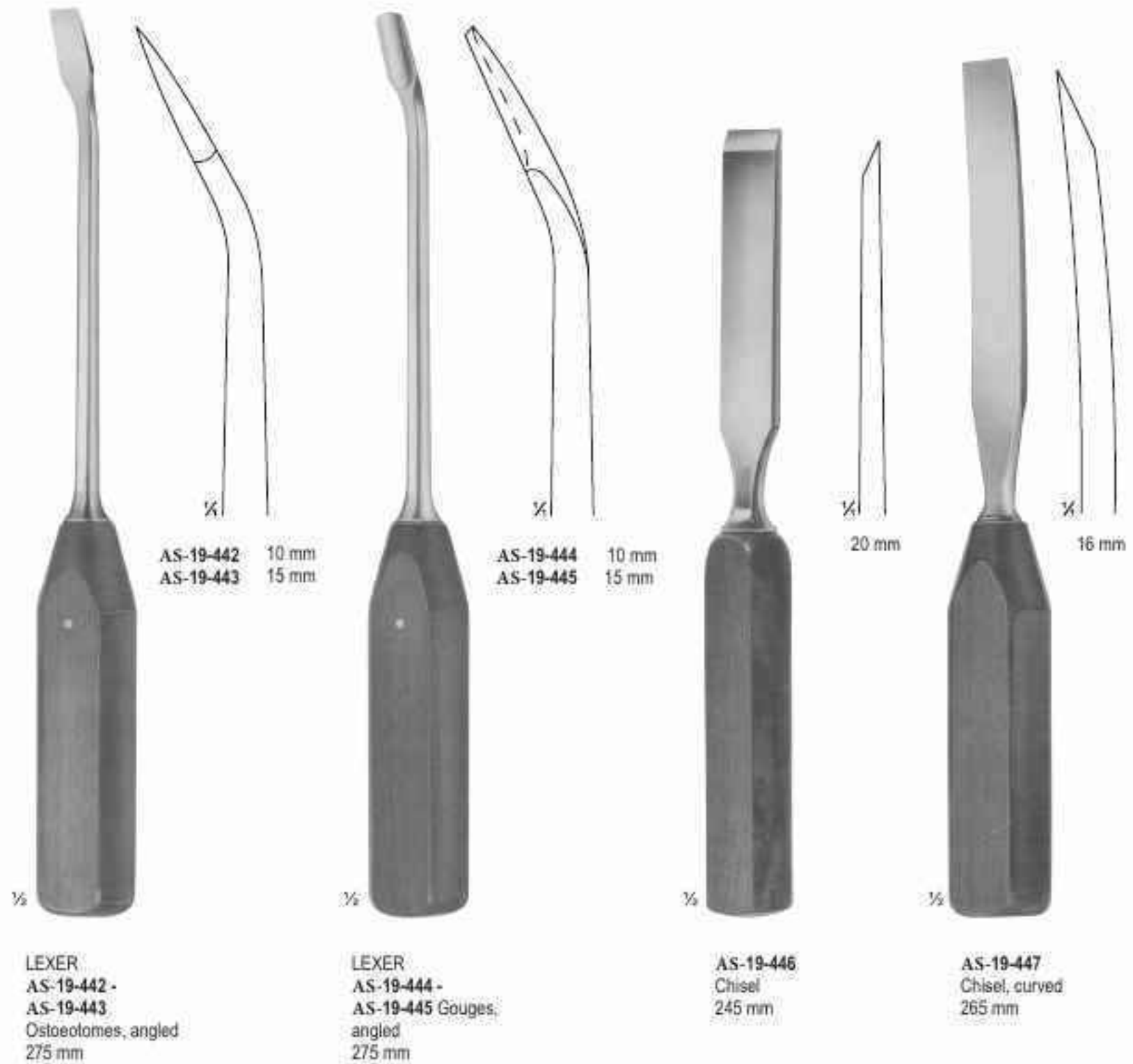


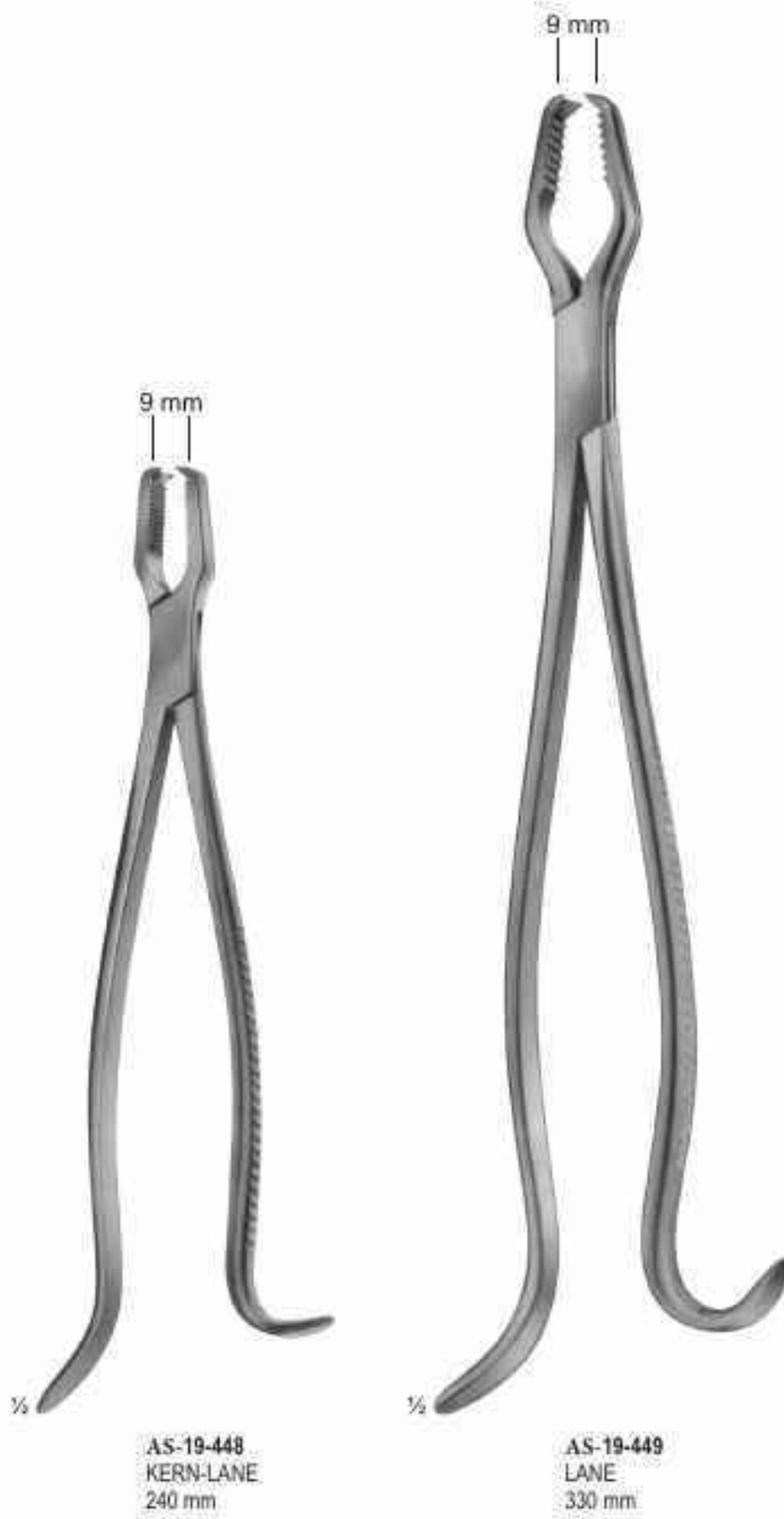
LAMBOTTE
AS-19-397 - AS-19-408
Osteotomes
245 mm

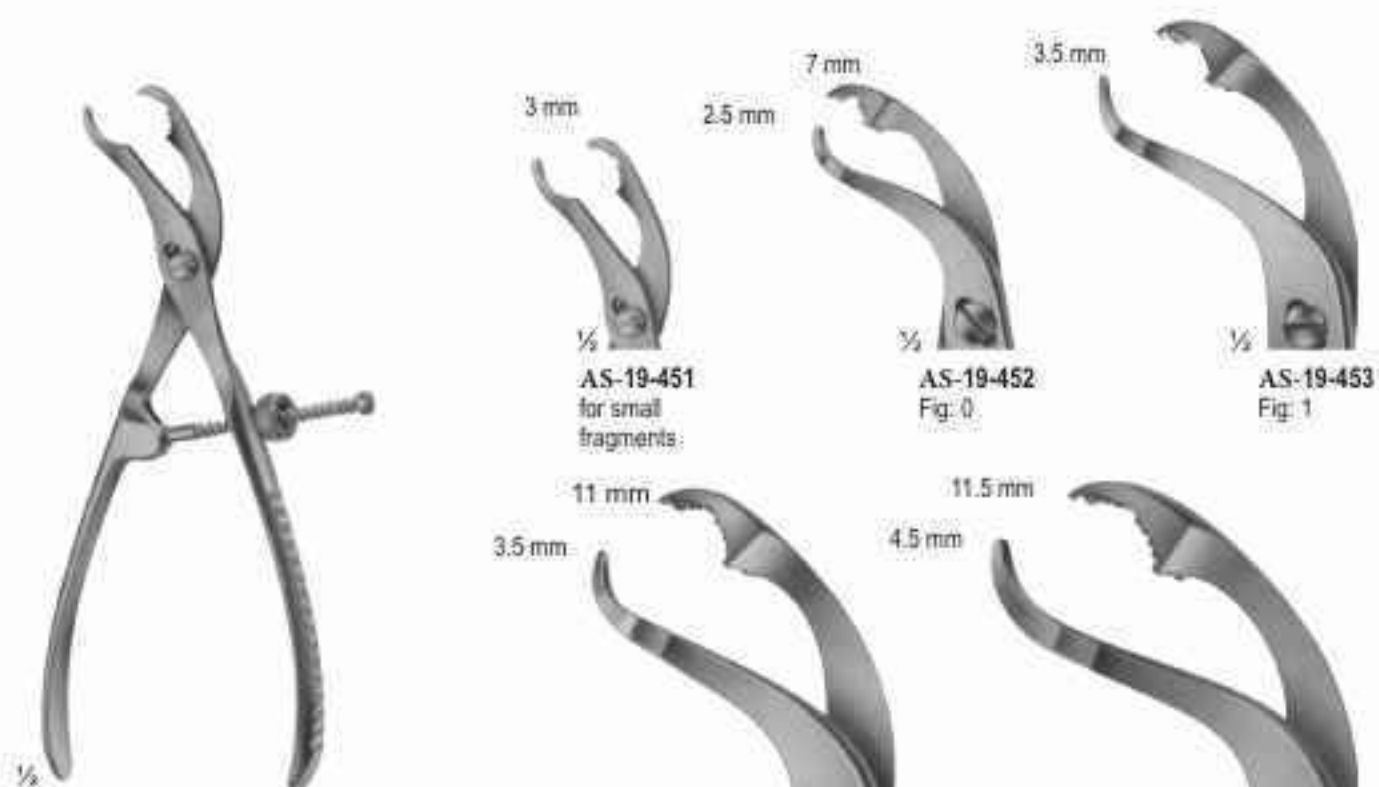


LAMBOTTE
AS-19-409 -
AS-19-414
Osteotomes, curved
245 mm







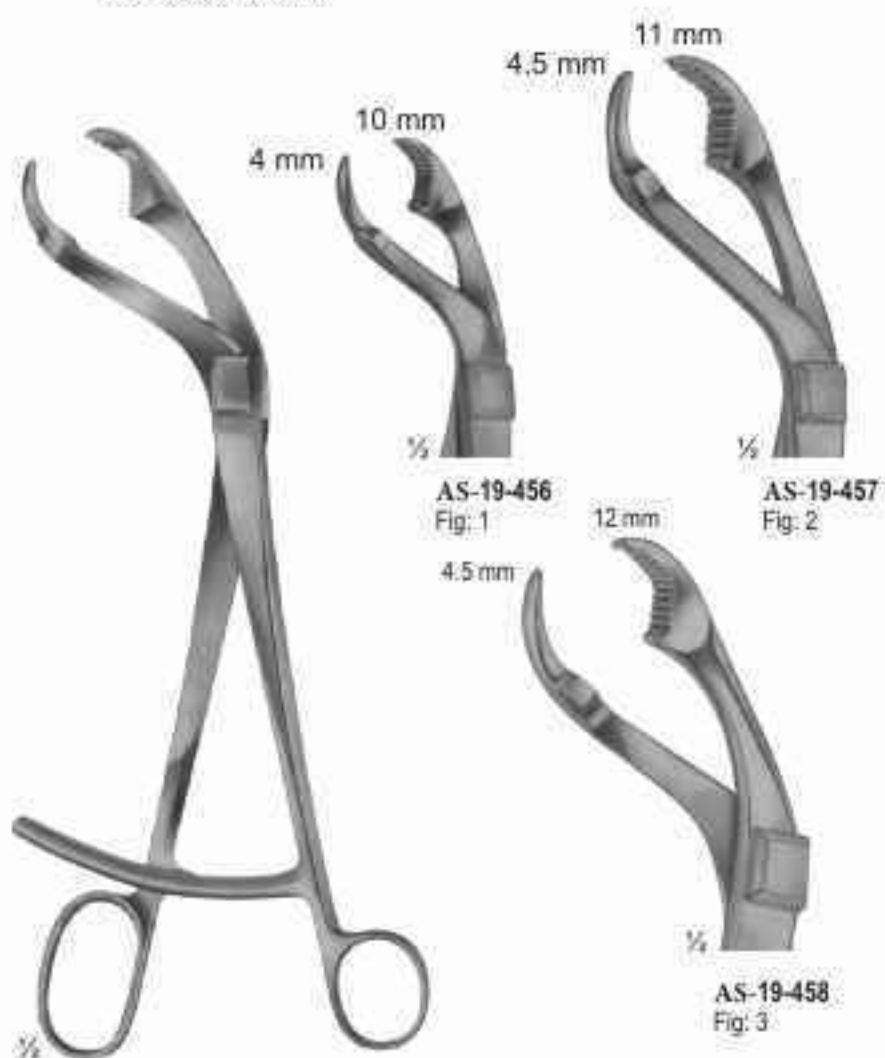


AS-19-451 - AS-19-455
AS-19-451 145 mm
AS-19-452 190 mm
AS-19-453 240 mm
AS-19-454 260 mm
AS-19-455 280 mm

Self-centering forceps
with thread fixation

AS-19-454
Fig. 2

AS-19-455
Fig. 3



AS-19-456
Fig. 1

AS-19-457
Fig. 2

AS-19-458
Fig. 3

**AS-19-456 -
AS-19-458
VERBRUGGE**
with lip joint

255 mm
265 mm
270 mm



**AS-19-459
LAMBOTTE**
265 mm



AS-19-460 -
AS-19-461 LOWMAN
AS-19-460 170 mm
AS-19-461 205 mm



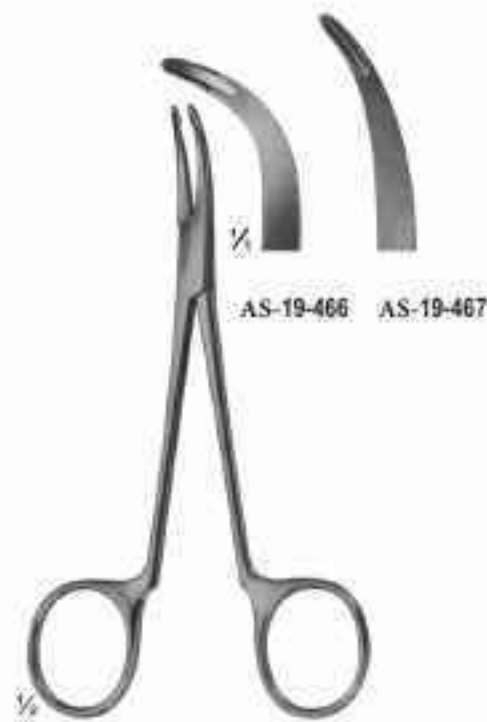
AS-19-462
LOWMAN-GERSTER
210 mm



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



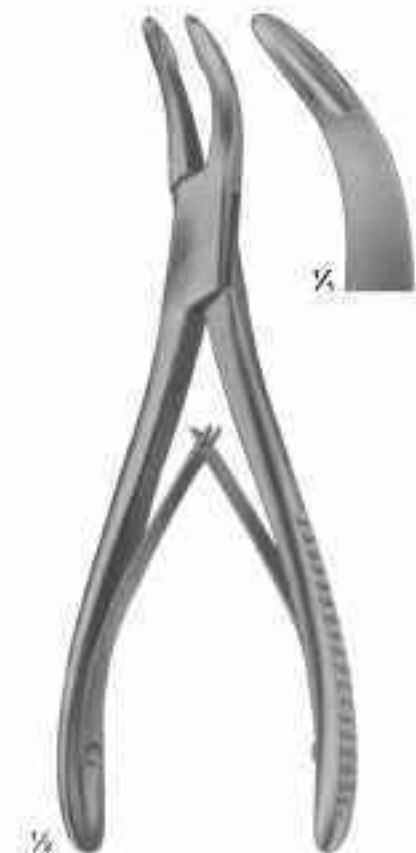
AS-19-474
BLUMENTHAL
155 mm



AS-19-475
BLUMENTHAL
150 mm



AS-19-476 - AS-19-477
JANSEN
175 mm



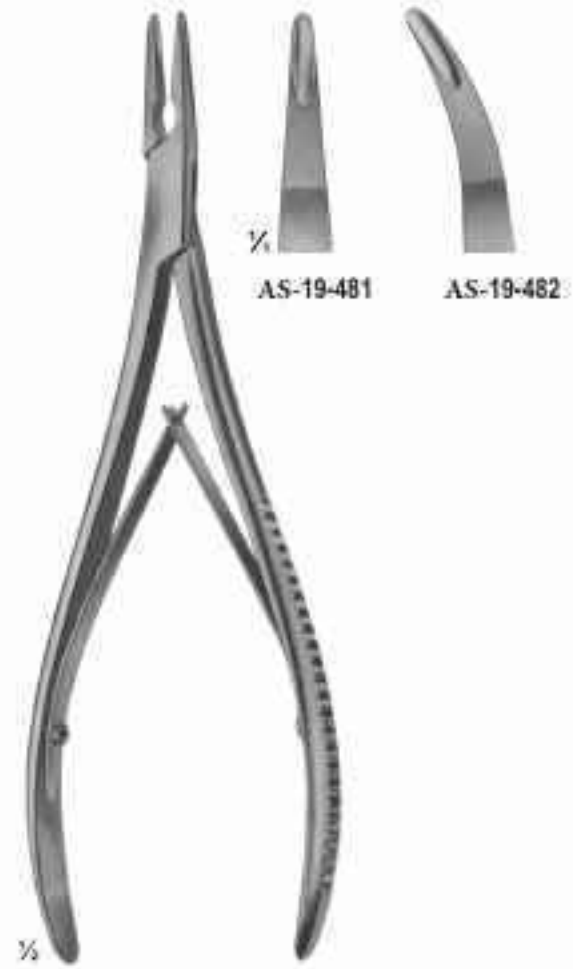
AS-19-478 BANE-
HARTMANN 175
mm



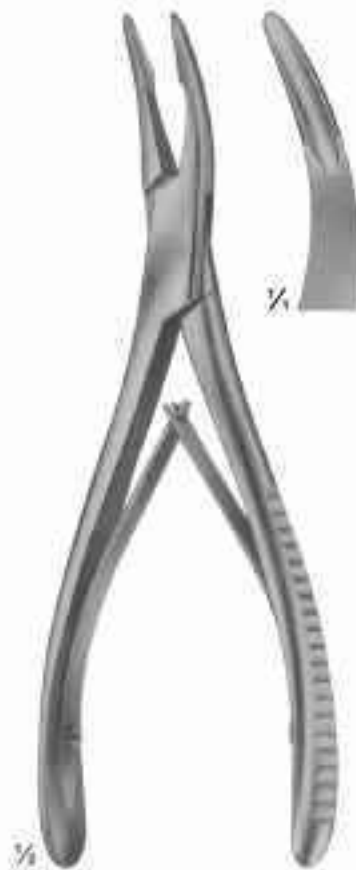
AS-19-479
ALEXANDER
140 mm



AS-19-480
JANSEN
190 mm



AS-19-481 -
AS-19-482 LEMPERT
200 mm



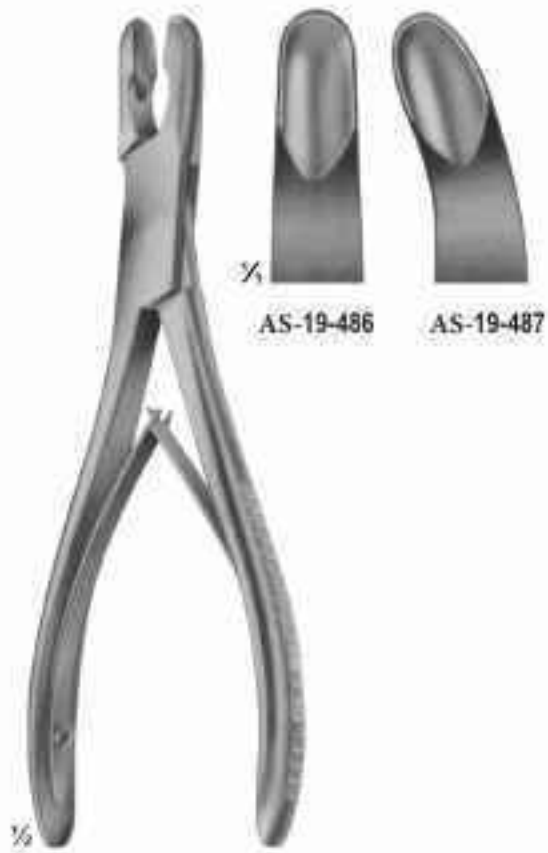
AS-19-483
BEYER
180 mm



AS-19-484
MEAD
165 mm



AS-19-485
MEAD
165 mm



AS-19-486 -
AS-19-487 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 BOHLER
155 mm



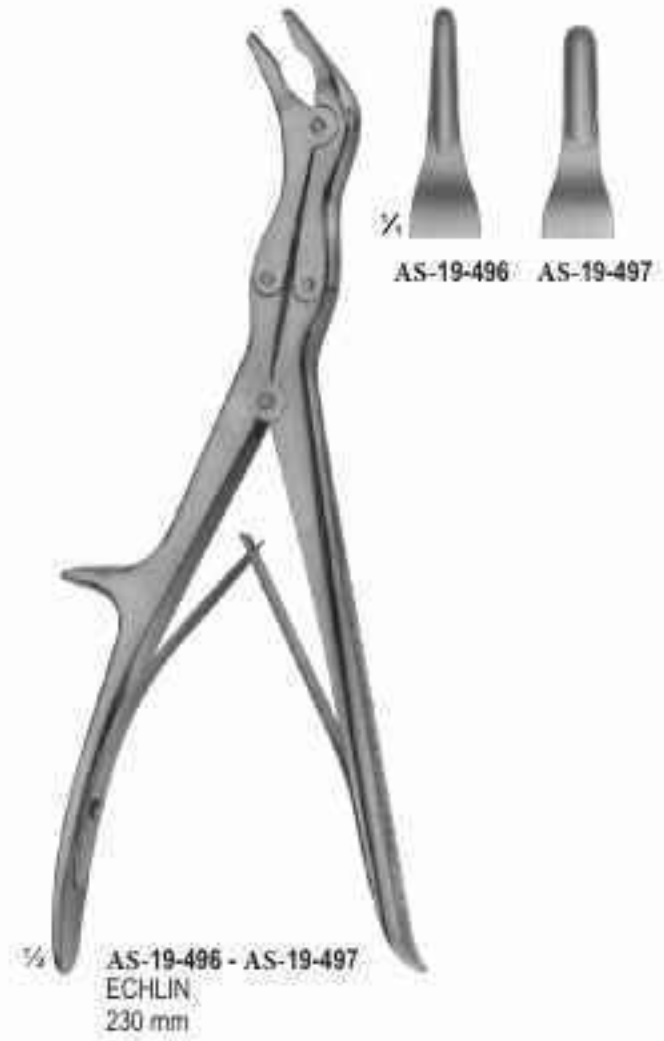
AS-19-493
MARQUARTD
200 mm



AS-19-494
RUSKIN
190 mm



AS-19-495
ROTTGEN-RUSKIN
240 mm



AS-19-496 - AS-19-497
ECHLIN
230 mm



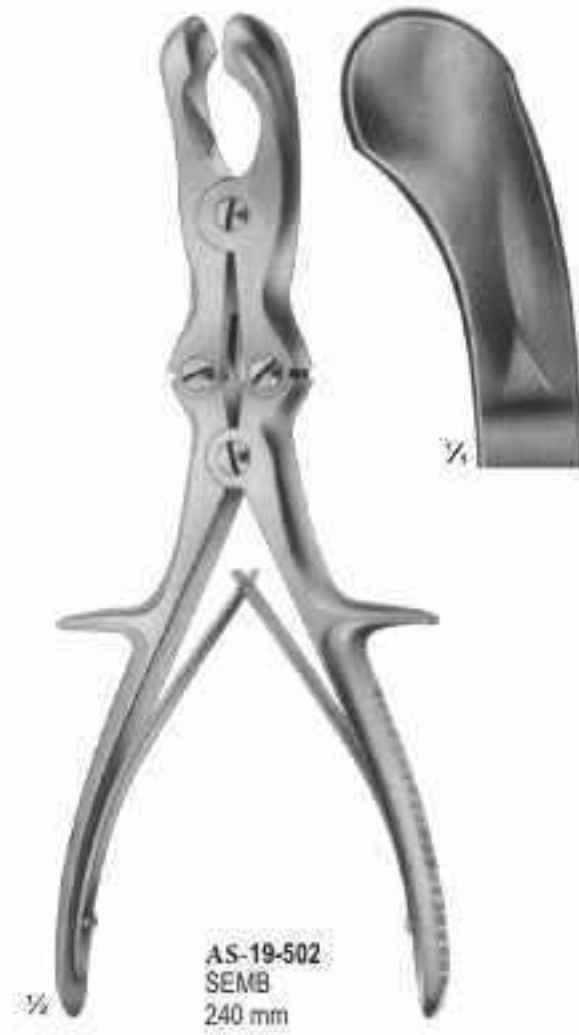
AS-19-498
STILLE
235 mm

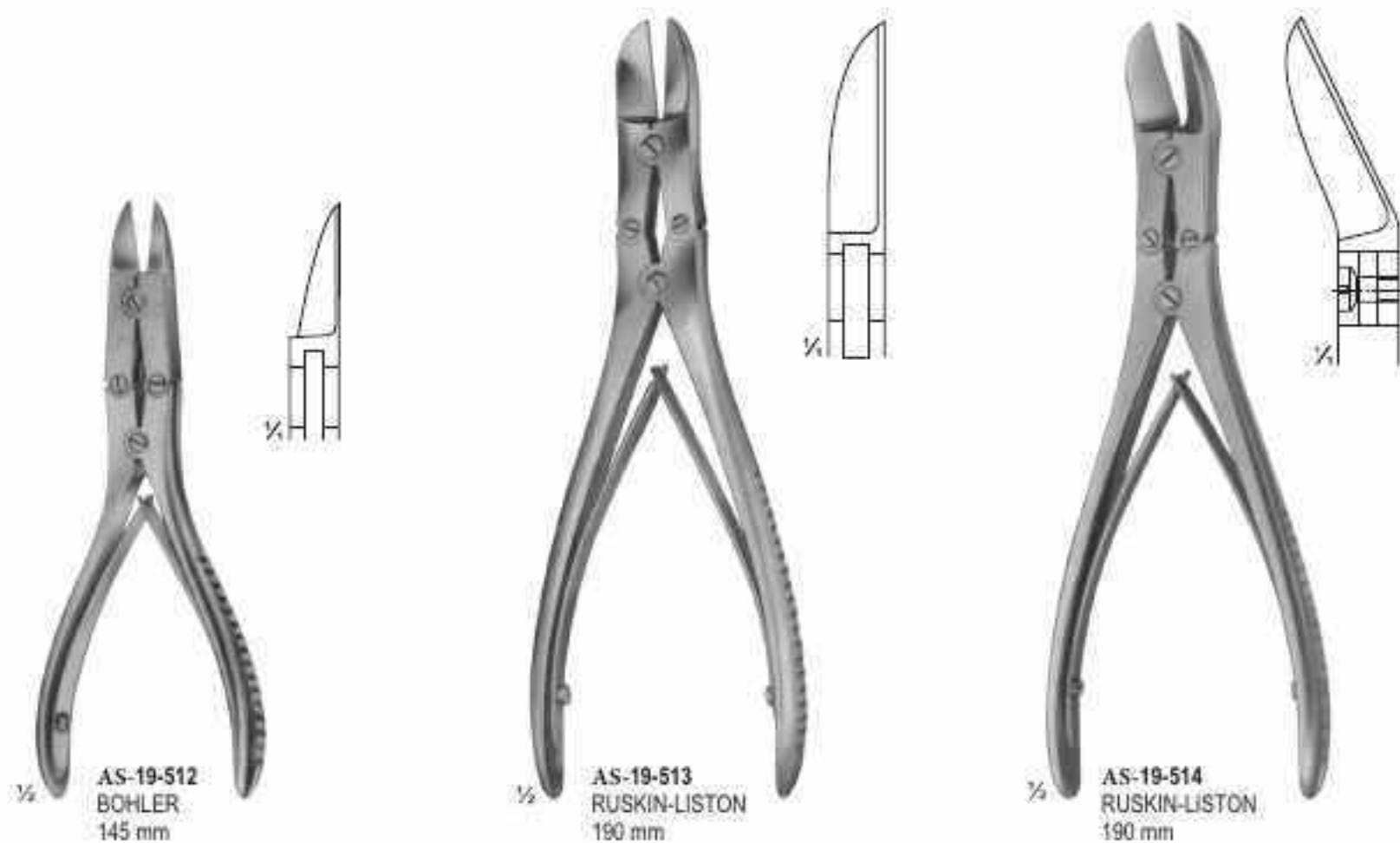
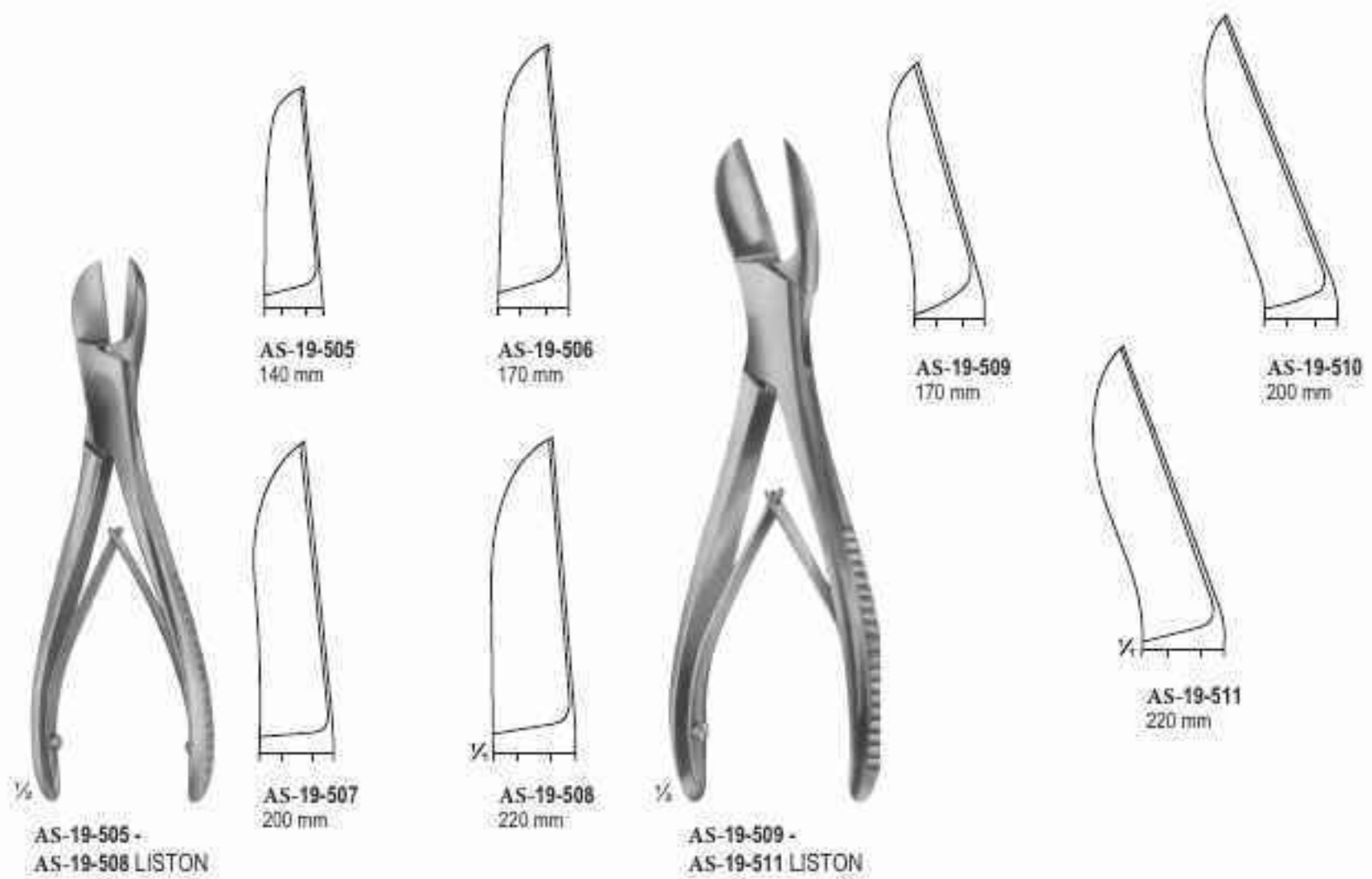


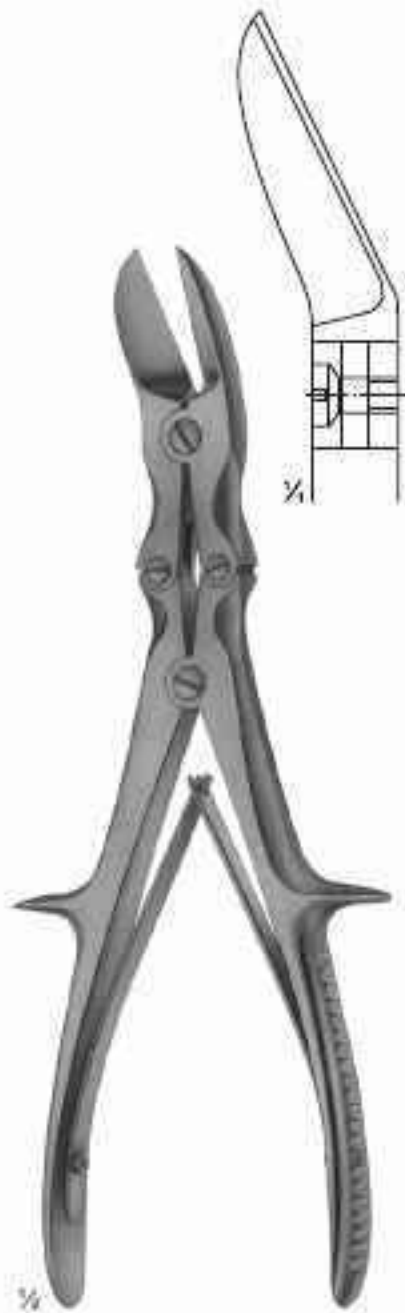
AS-19-499
LEKSELL-STILLE
240 mm



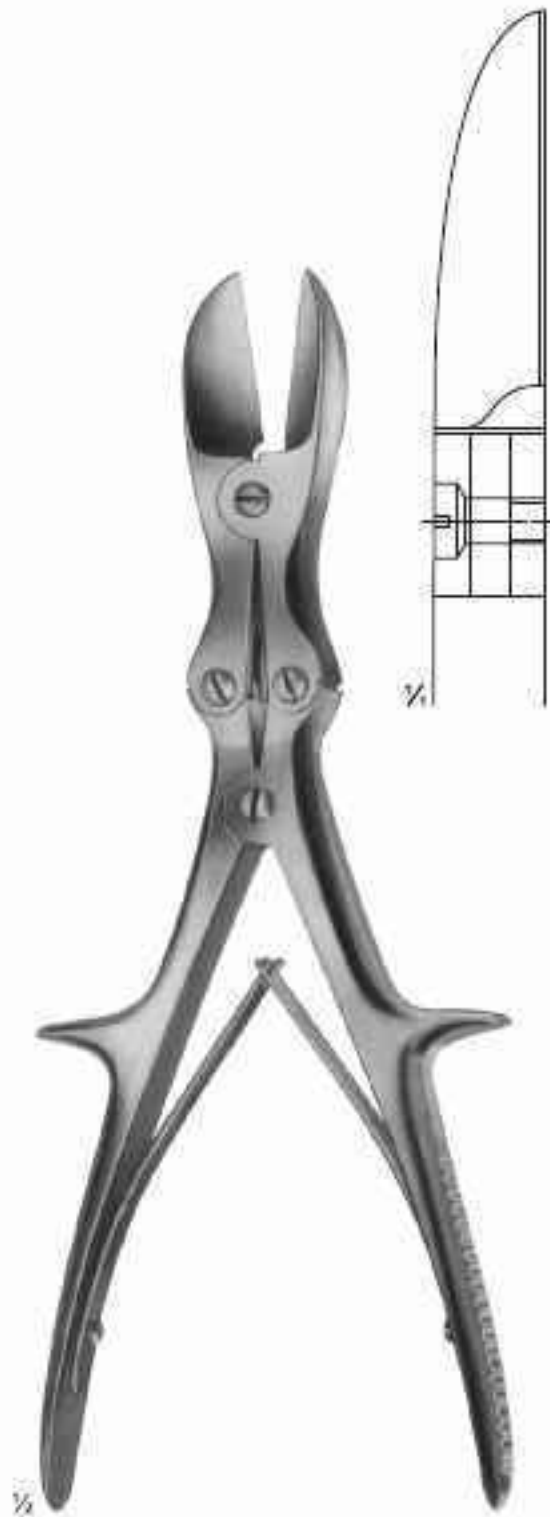
AS-19-500
STILLE-RUSKIN
240 mm



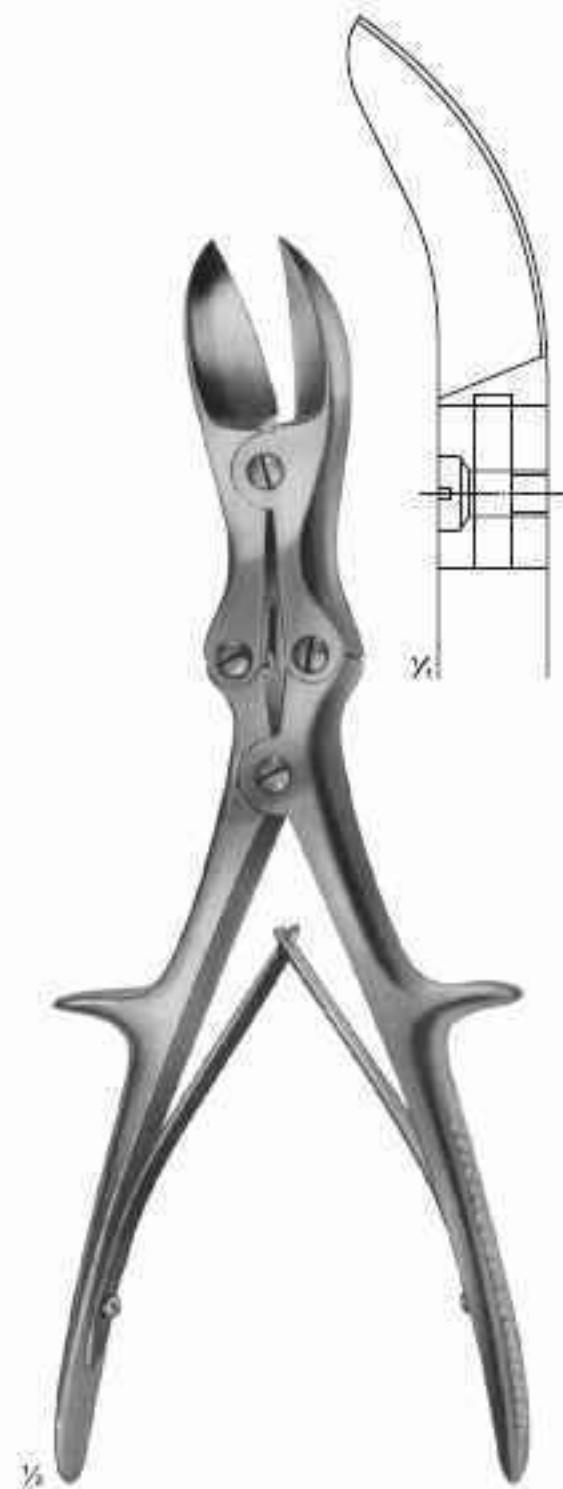




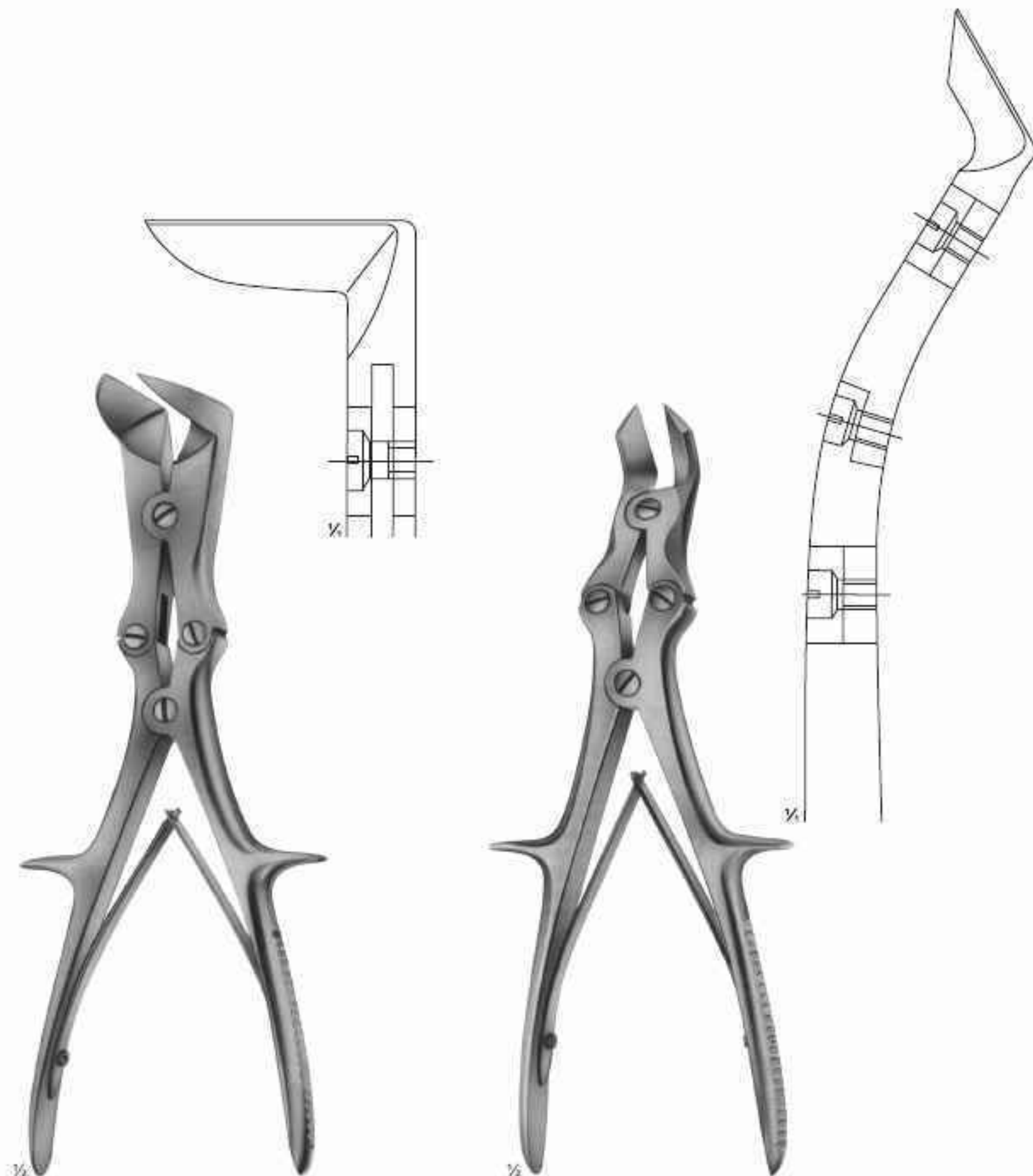
AS-19-515
LISTON
curved on flat
240 mm



AS-19-516
LISTON
straight
280 mm



AS-19-517
LISTON
curved on flat
280 mm



AS-19-518
LISTON-STILLÉ
265 mm

AS-19-519
LISTON-KEY-HORSLEY
(TUDOR EDWARDS)
255 mm



AS-19-520
170 mm



AS-19-521
NEFF
215 mm



AS-19-522
NEFF
215 mm



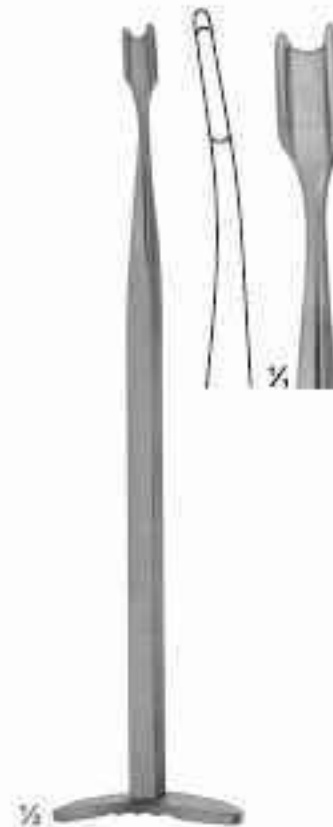
AS-19-523
WAGNER
215 mm



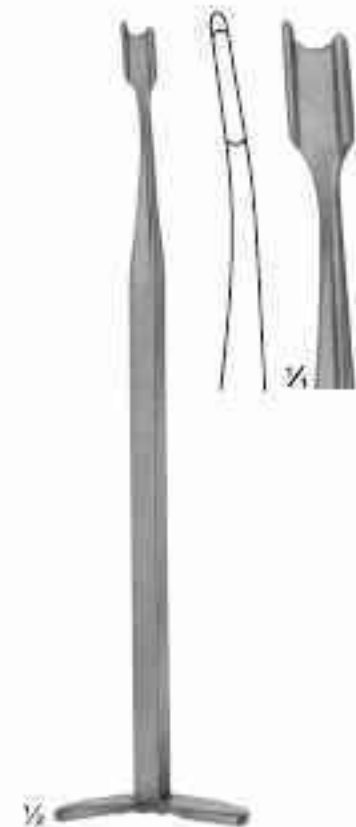
AS-19-524
SALENIUS
220 mm



AS-19-525
CHNAD.MODELL
200 mm



AS-19-526
SMILLIE
170 mm



AS-19-527
SMILLIE
170 mm



AS-19-528
130 mm

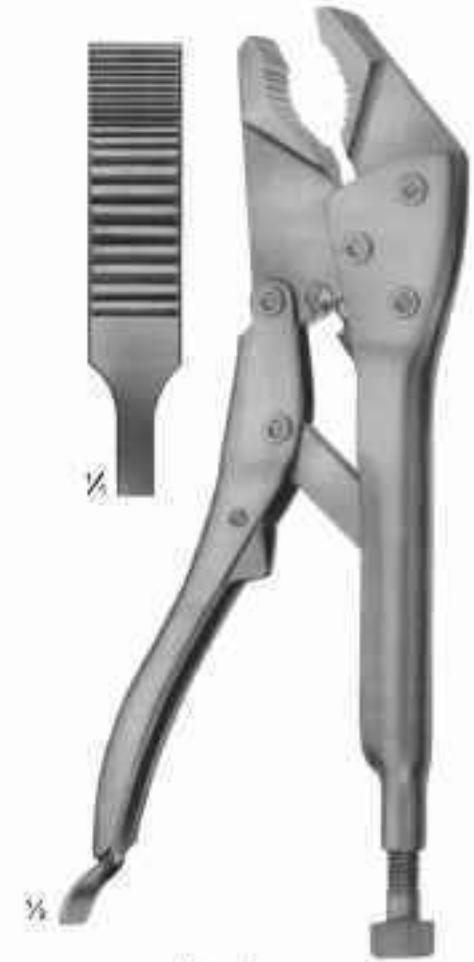
AS-19-529
180 mm



Extraction pliers
for boring wires
AS-19-528
AS-19-529



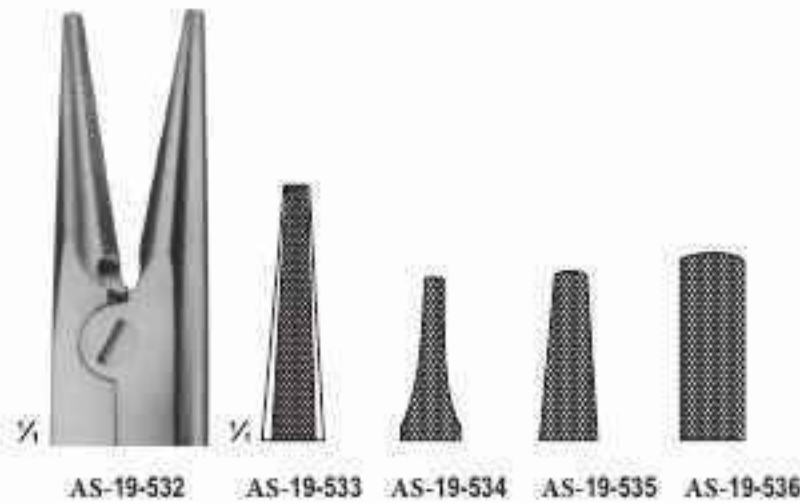
Flat-nosed pliers,
parallel
AS-19-530
185 mm



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



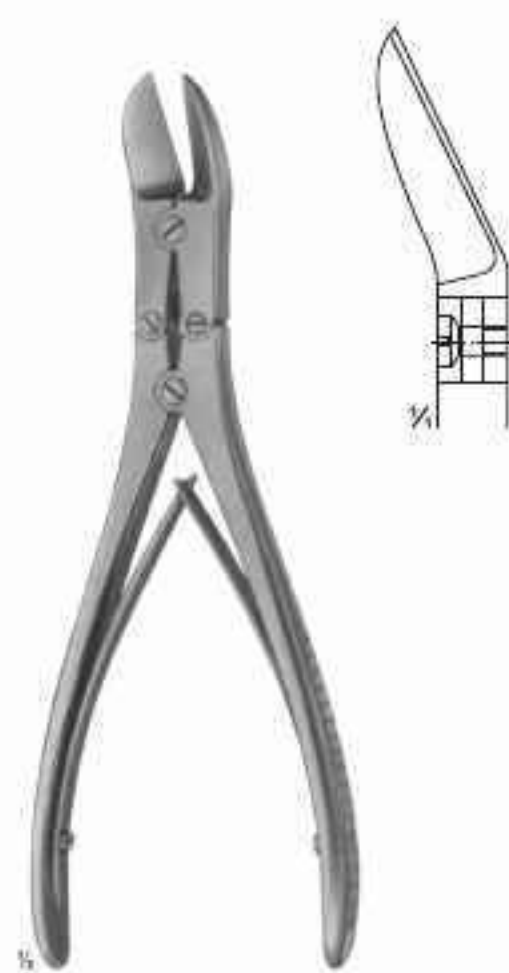
Bending pliers
for wires up to
1.8 mm diam
AS-19-537



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

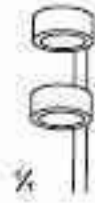
for soft wire
up to diam. 3 mm
For hard wire
up to diam. 3 mm

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



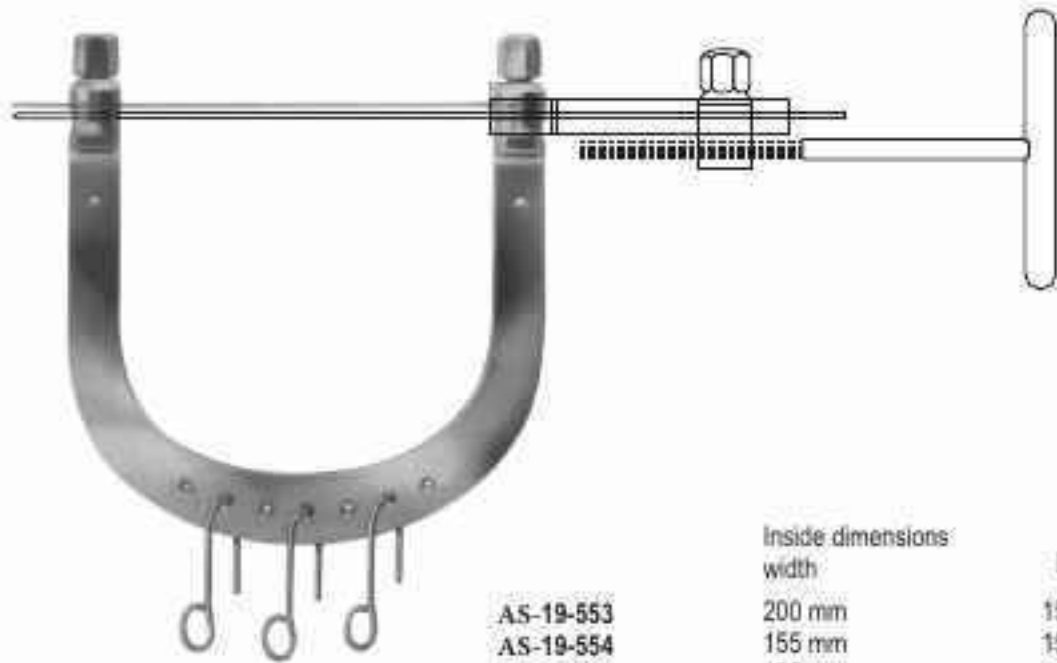
FISCHER
AS-19-550
310 mm
Blunt



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	Depth
200 mm	155 mm
155 mm	155 mm
135 mm	130 mm
120 mm	120 mm
105 mm	100 mm
95 mm	110 mm
95 mm	70 mm



AS-19-560
 Wrench, double - ended, for wire traction bows



AS-19-561
 Wire tightener, with clamping jaws



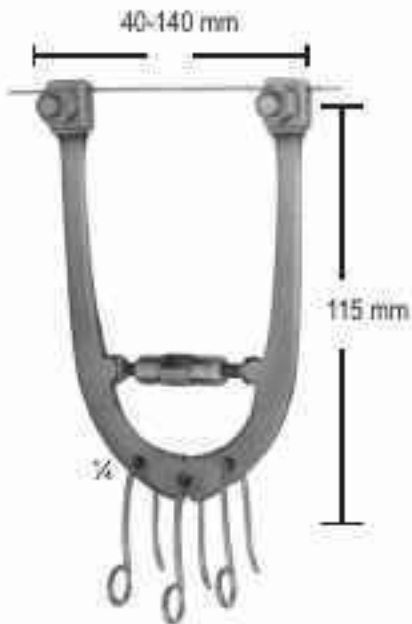
AS-19-562
 Traction hook only, large size



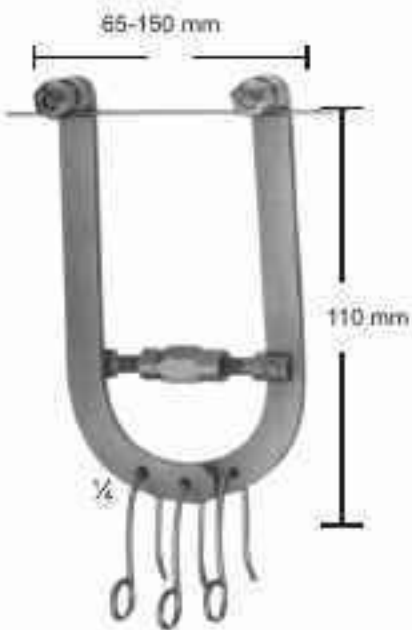
AS-19-563
 Traction hook only, small size



AS-19-564
 Fixation clamp, to secure clamping jaws of stainless steel



AS-19-565
Wire traction bow, adjustable,
with 3 hooks, small size



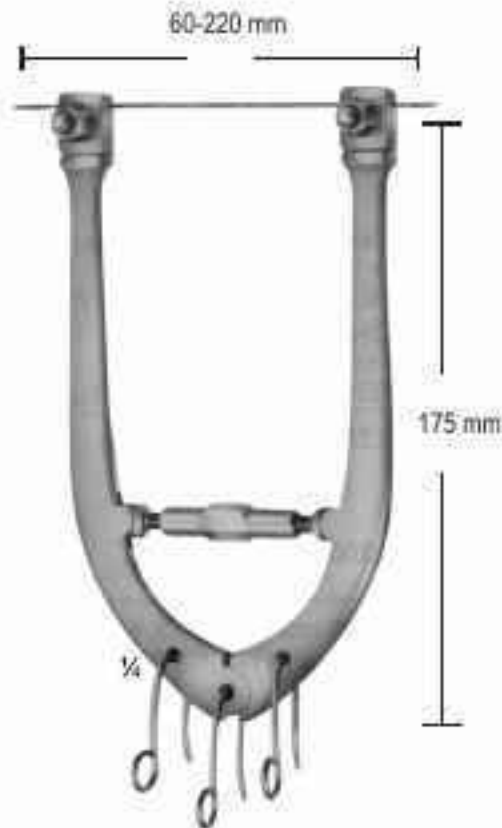
AS-19-567
Wire traction bow, adjustable,
with 3 hooks, large size for
elbow and calcaneus, for
adolescents



AS-19-568
Fixation disc, slotted



AS-19-569
idem, aluminum, transparent
to X-rays



AS-19-566
Wire traction bow, adjustable,
with 3 hooks, large size



KIRSCHNER
AS-19-570 - AS-19-575
Wire traction bow, modified
adjustable in with width, holds wire
securely, with 1 hook

AS-19-570 10 cm
AS-19-571 16 cm
AS-19-572 20 cm

AS-19-573 1.6 mm
AS-19-574 2 mm
AS-19-575 2.5 mm



AS-19-576
Fixation disc, slotted



AS-19-577
Screw driver, for above
fixations discs

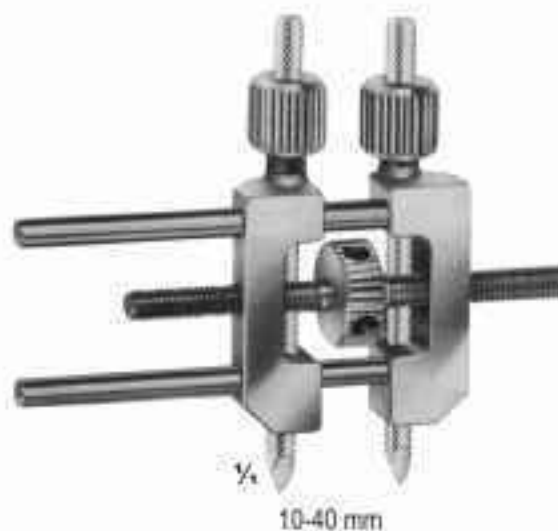


AS-19-578 • AS-9-585
Screw driver, for above
fixations discs.

Steinmann pins, 4 mm daim.	Steinmann pins, 5 mm daim.
AS-19-578 with pin	16x9cm Arm
AS-19-579 without	AS-19-580-00 without
AS-19-581 with pin	21x11cm Arm
AS-19-582 without	AS-19-583 without
AS-9-584 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 1.5 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.



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



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

Spare blade



**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



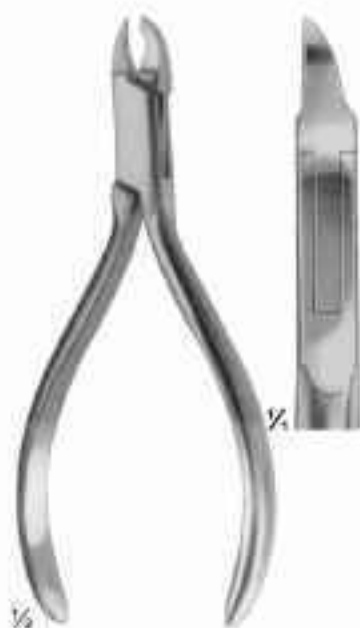
AS-19-631
For Soft Wire: $\varnothing$ cm 2.0
For Hars Wire: $\varnothing$ cm 1.6
18 cm



AS-19-632
17 cm

Page 464-470

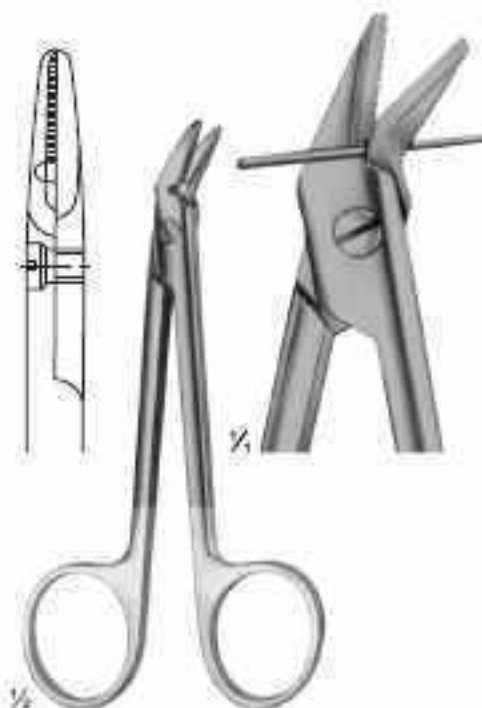
- Plaster Instruments



AS-20-101
ANGLE
130 mm

AS-20-102
DUROTIP
ANGLE
130 mm

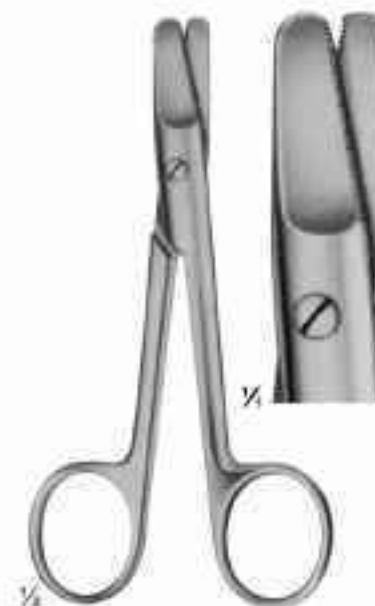
for soft wire up to diam.	0,5 mm	0,6 mm
for hard wire up to diam.	0,3 mm	0,4 mm



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



AS-20-109
180 mm

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



AS-20-110
REILL
175 mm

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



AS-20-111
235 mm

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



AS-20-119 STILLE-
AESCLAP 280 mm



AS-20-120 STILLE-
AESCLAP 360 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

Page 471-499

- 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



CRILE
AS-21-109
200 mm



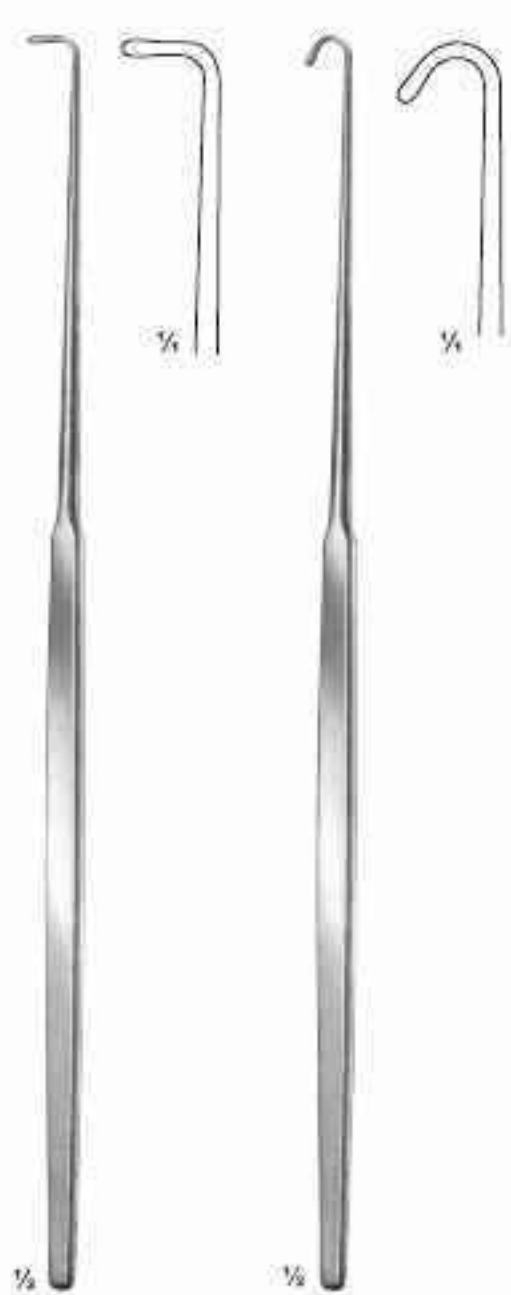
CUSHING
AS-21-110 -
AS-21-111 190 mm



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



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



CASPER
AS-21-123 -
AS-21-126 245 mm



AS-21-123



AS-21-124



AS-21-125



AS-21-126



AS-21-127 - AS-21-133



Fig.1
AS-21-127



Fig.2
AS-21-128



Fig.3
AS-21-129



Fig.4
AS-21-130



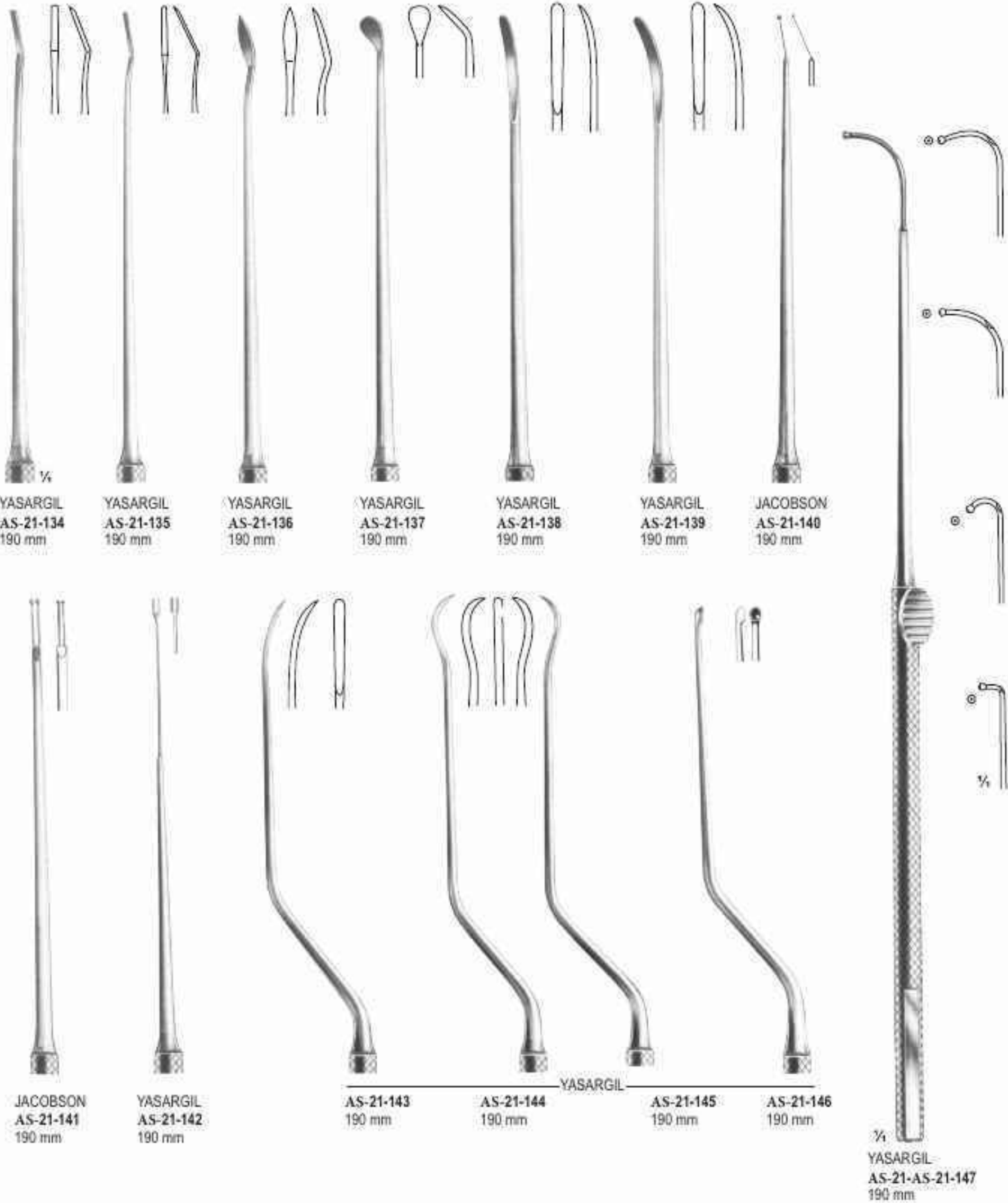
Fig.5
AS-21-131



Fig.6
AS-21-132



Fig.7
AS-21-133





YASARGIL
AS-21-148 -
AS-21-149 Galea
Hook



AS-21-148
300 mm



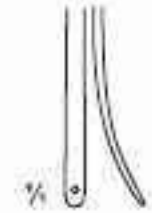
AS-21-149
410 mm



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



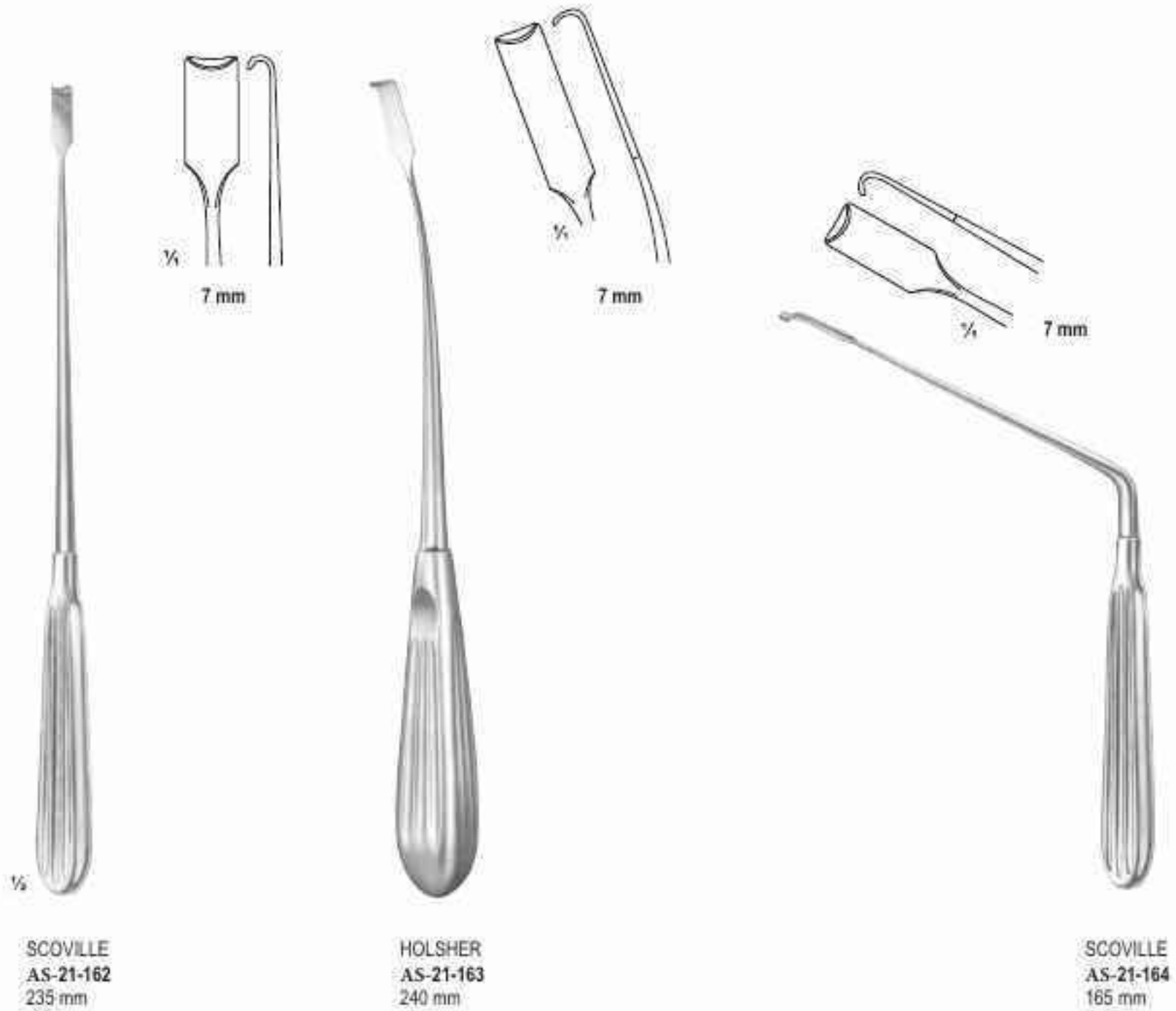
LOVE
Nerve Root Retractor
AS-21-155 - AS-21-157
AS-21-155 190 mm 30°
AS-21-156 190 mm 45°
AS-21-157 190 mm 90°



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



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-21-171
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



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



721-218 - 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 – rotating



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 – rotating



AS-21-228 - AS-21-232
AS-21-228 23 x 45 mm
AS-21-229 23 x 50 mm
AS-21-230 23 x 55 mm
AS-21-231 23 x 60 mm
AS-21-232 23 x 65 mm
Blunt Blades Aluminium –
rotating



CASPAR
AS-21-2
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 20 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



CASPAS
AS-21-2
Transverse Retractor hinged
60 mm spread



CASPAS
AS-21-2
Transverse Retractor double-hinged
65 mm spread



CASPAS
AS-21-294 Longitudinal
Retractor single-hinged
ring handle 175 mm
70 mm spread



CASPAS
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 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



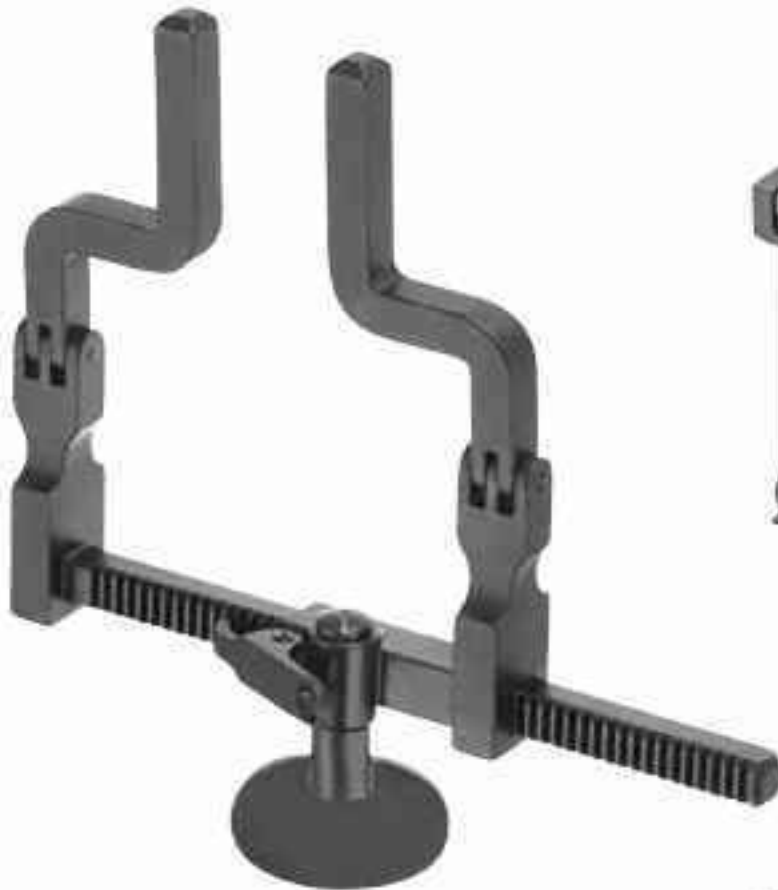
CASPAR
AS-21-391 - AS-21-400
AS-21-391 40 mm
AS-21-392 45 mm
AS-21-393 50 mm
AS-21-394 55 mm
AS-21-395 60 mm
AS-21-396 65 mm
AS-21-397 70 mm
AS-21-398 75 mm
AS-21-399 80 mm
AS-21-400 85 mm
Lumbar Speculum
fenestrated



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



CASPAR
AS-21-442 - AS-21-443
Caspar 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



CASPAR
AS-21-444
Screw driver for
spreading bar



CASPAR
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

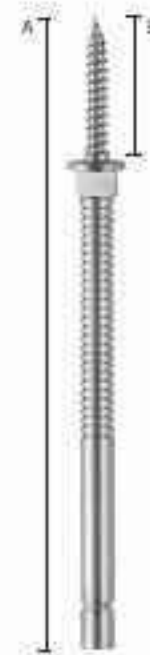


AS-21-464 - AS-21-471
AS-21-464 57 x 32 mm
AS-21-465 57 x 37 mm
AS-21-466 57 x 43 mm
AS-21-467 57 x 47 mm
AS-21-468 57 x 52 mm
AS-21-469 57 x 57 mm
AS-21-470 57 x 62 mm
AS-21-471 57 x 67 mm



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

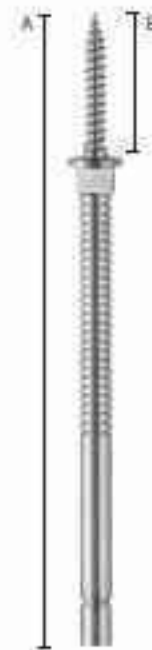


CASPAS
AS-21-480

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)



DRILL GUIDE
AS-21-486



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



SCREW DRIVER
AS-21-487



CLOWARD-TYPE
AS-21-488
Vertebra Spreaders
130 mm 18 mm
spread



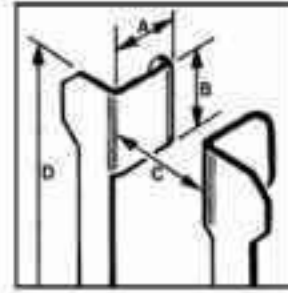
AS-21-489
one pointed tip
70 mm
arm, 80 mm spread



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	83 mm x 51 mm
AS-21-507	76 mm x 51 mm



3-prongs:

AS-21-496	44 mm x 38 mm
-----------	---------------

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

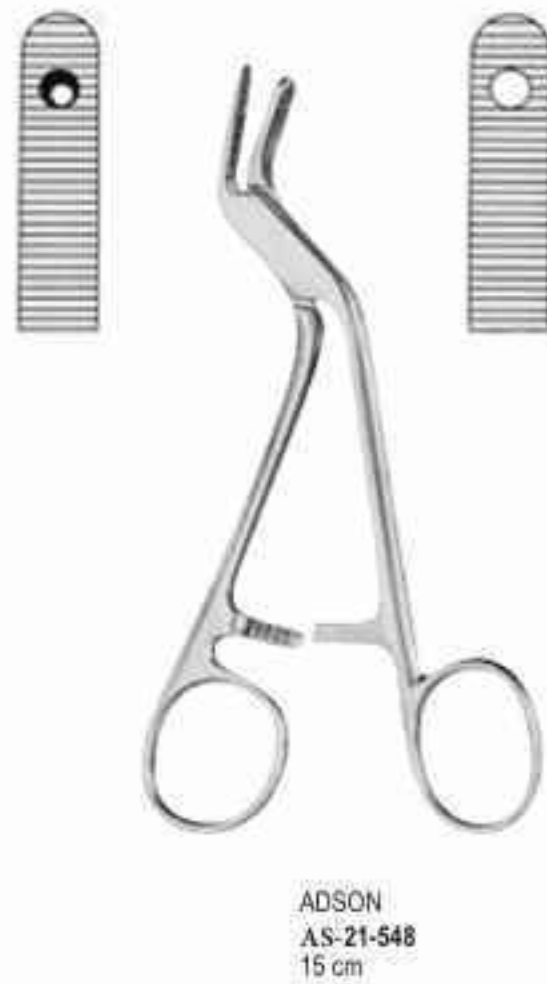
AS-21-544 50 mm

AS-21-545 55 mm blunt

Galea Hooks



Dura Protecting Forceps





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



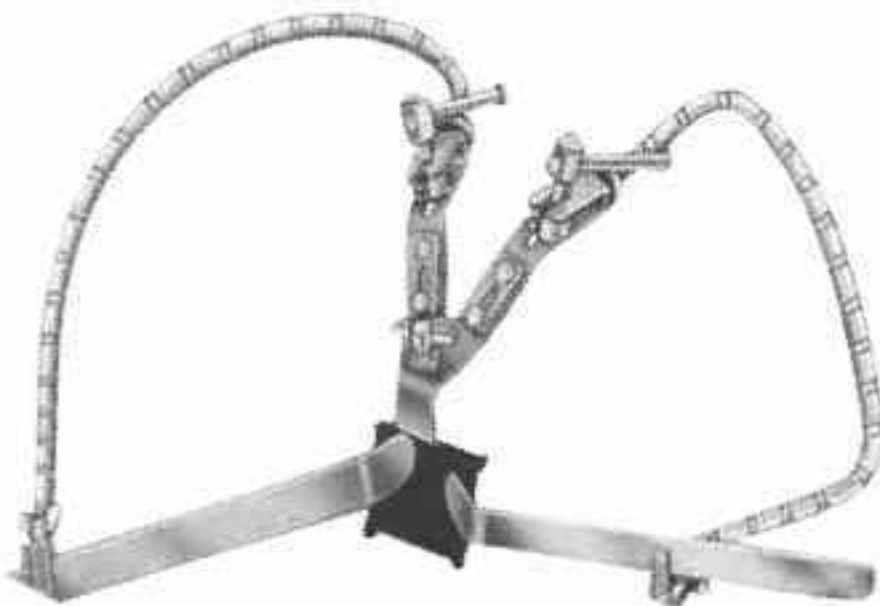
AS-21-552



AS-21-553
Complete Brain Ttractor
Set With 1 Arm



AS-21-555
Complete Set



AS-21-554
Complete Brain Ttractor
Set With 2 Arm



AS-21-556
Ball and Socket Joint



AS-21-557
Holding Rod, Head



AS-21-558
Coupling Head



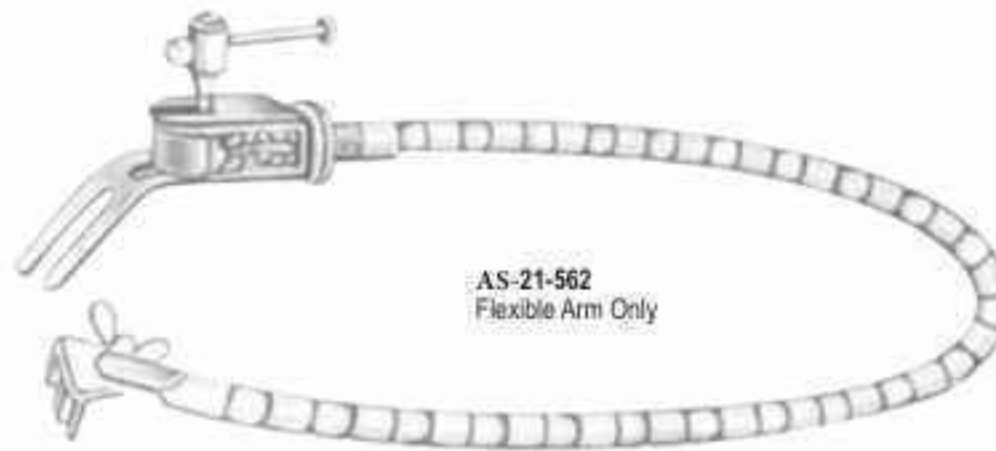
AS-21-559
Fixation Base for skull
Mounting Holding 1
Flexible Arm



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



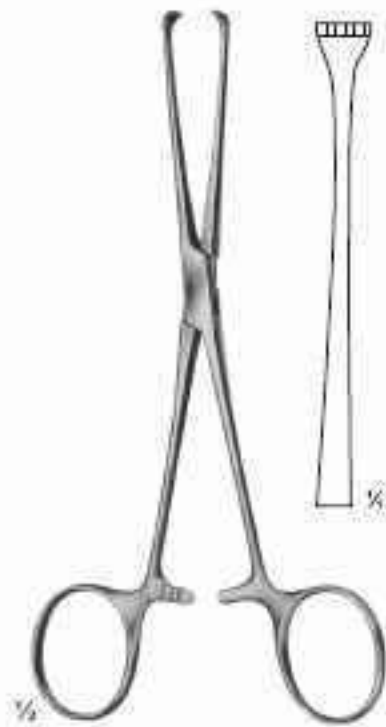
AS-21-564
Support for Brain Spatula
With Round Shaft



AS-21-565
Holder for Ear Spatula

Page 500–534

- Abdominal Surgery
- Intestinal and Rectal Instruments



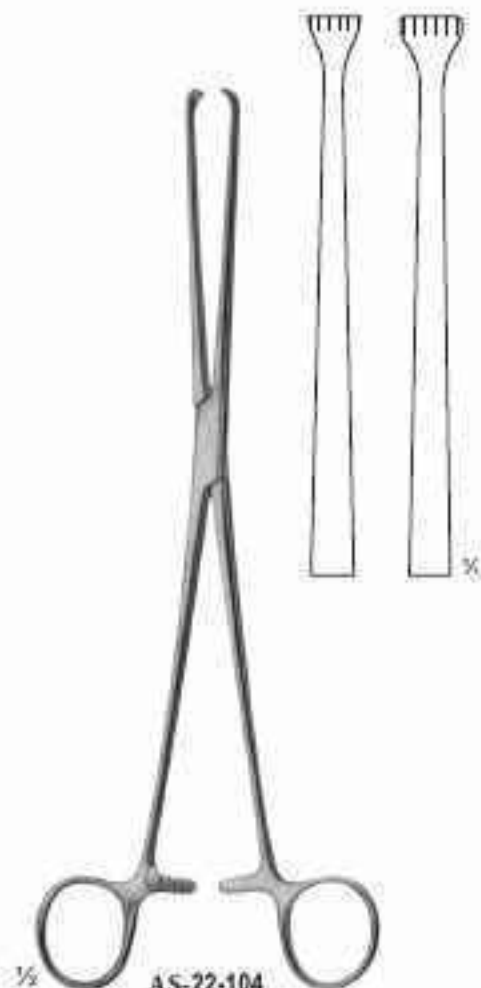
AS-22-101
BOYS-ALLIS
5 X 6 teeth, sharp
155 mm,



AS-22-102
ALLIS
4 X 5 teeth
155 mm,



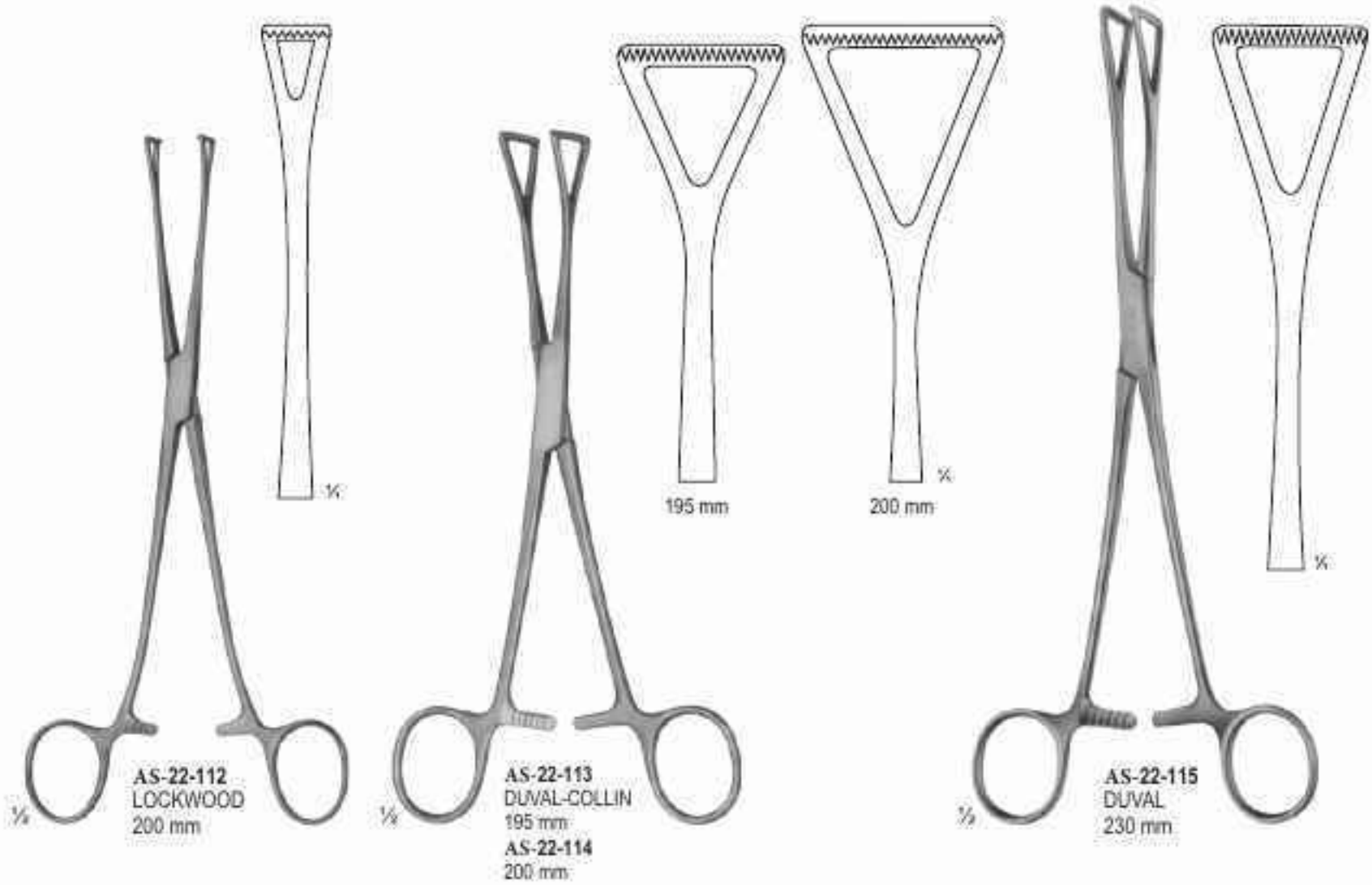
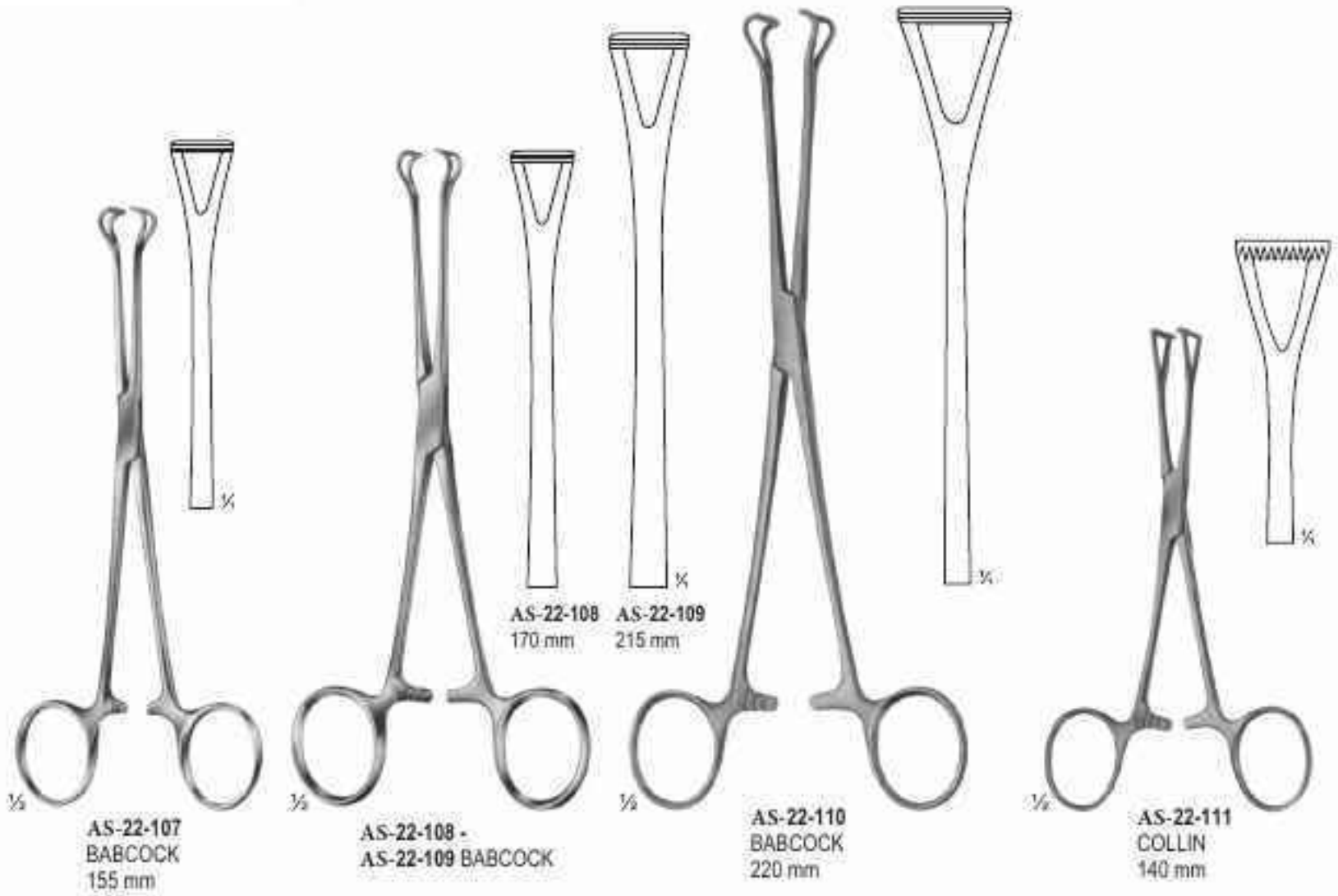
AS-22-103
ALLIS
155 mm,
4 X 5 teeth

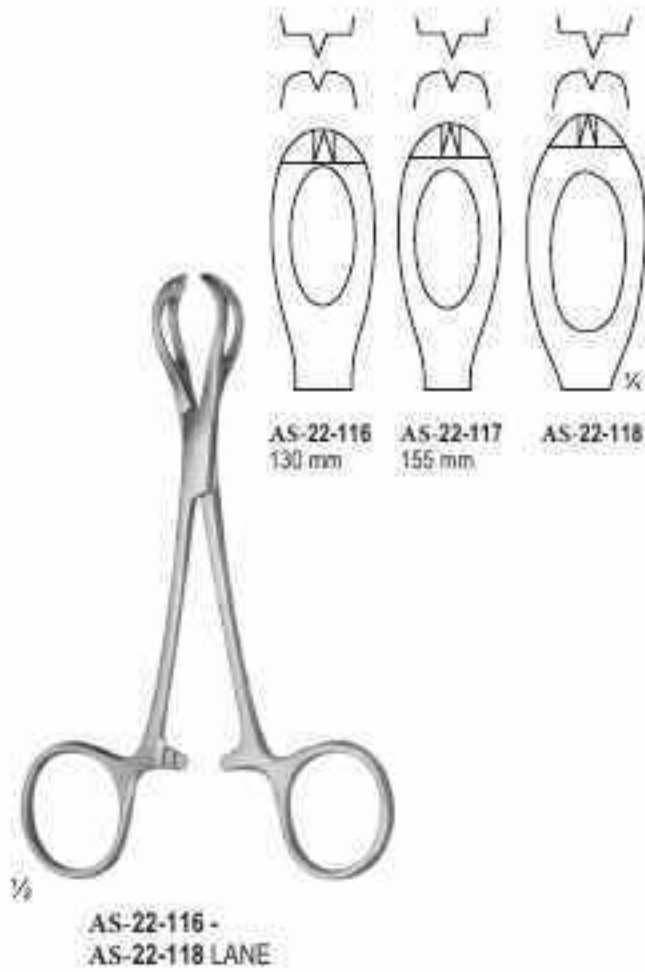


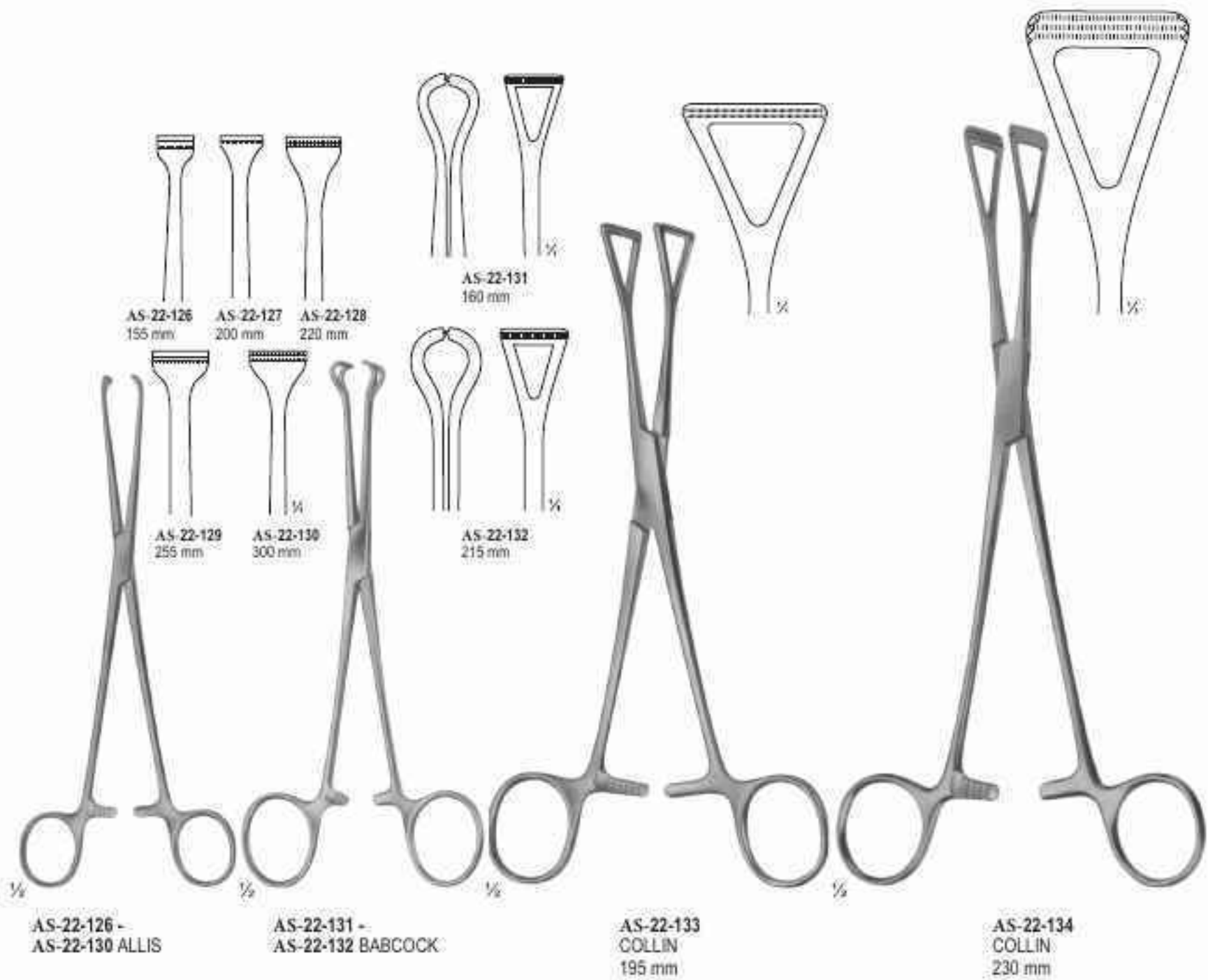
AS-22-104
ALLIS
190 mm,
AS-22-105
255 mm,
5 X 6 teeth

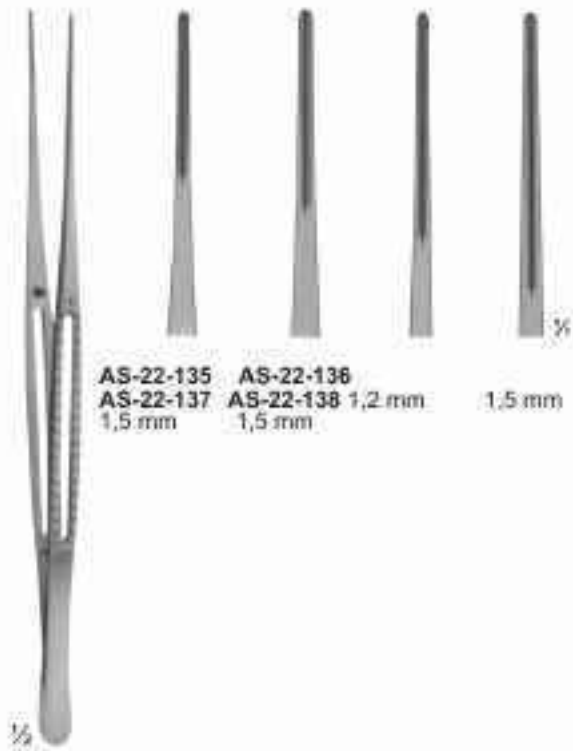


AS-22-106
JUDD-ALLIS
3 X 4 teeth
195 mm,

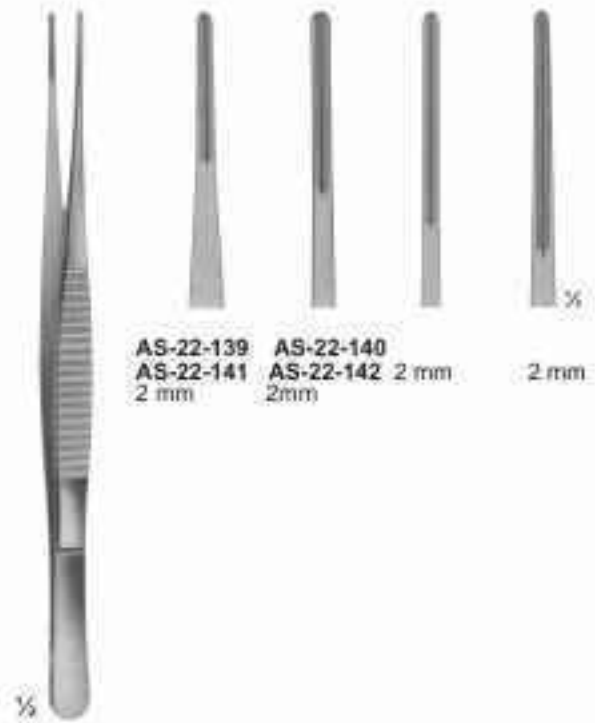




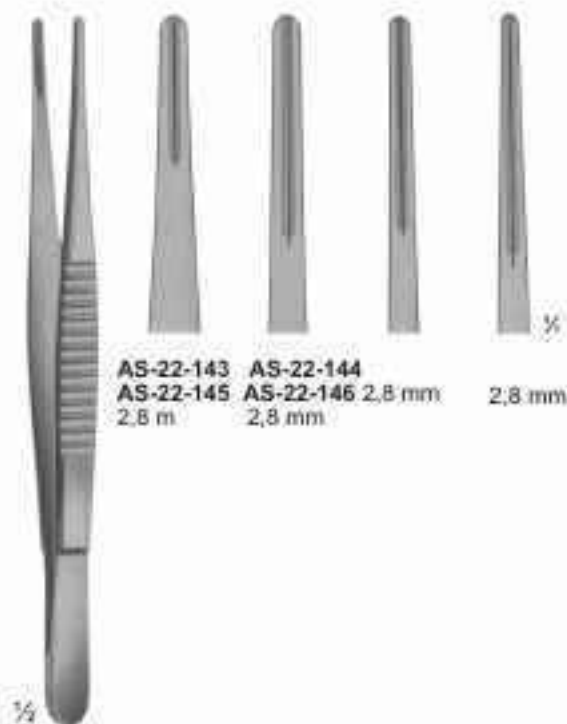




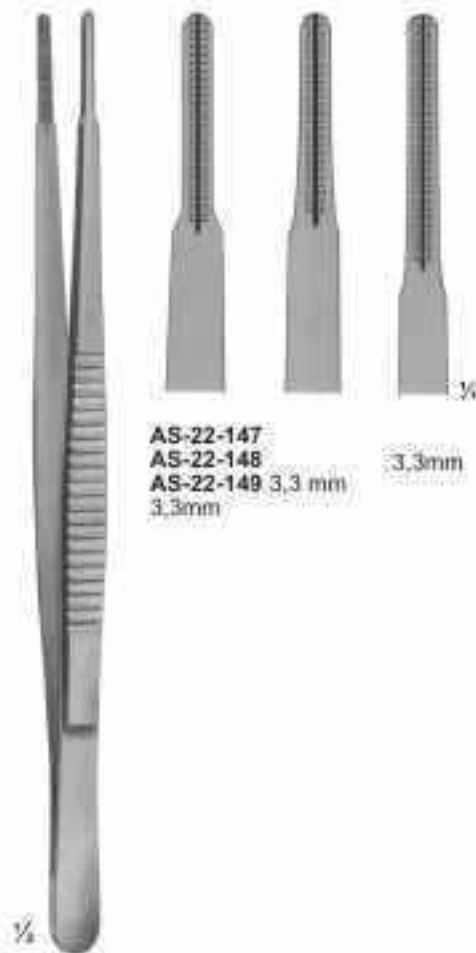
AS-22-135 150 mm
AS-22-136 200 mm
AS-22-137 240 mm
AS-22-138 300 mm



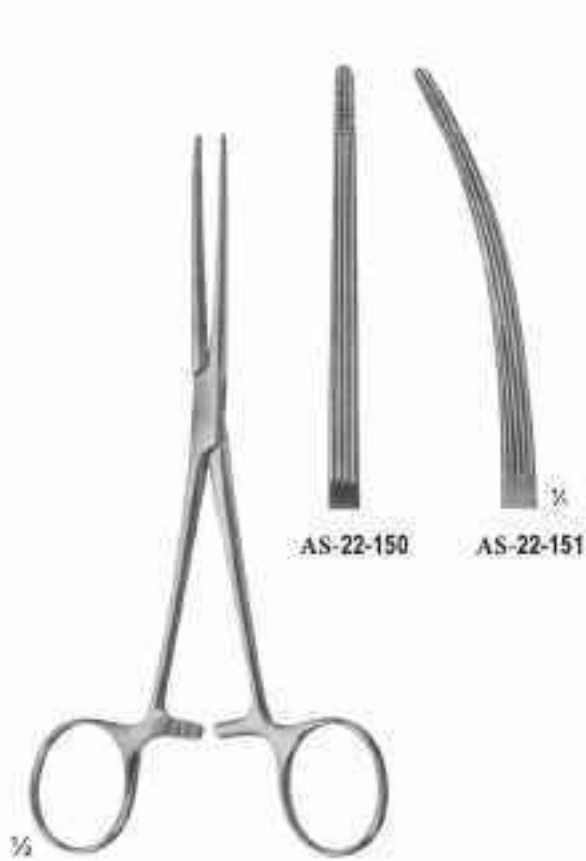
DE BAKEY
AS-22-139 150 mm
AS-22-140 200 mm
AS-22-141 240 mm
AS-22-142 300 mm



DE BAKEY
AS-22-143 150 mm
AS-22-144 200 mm
AS-22-145 240 mm
AS-22-146 300 mm



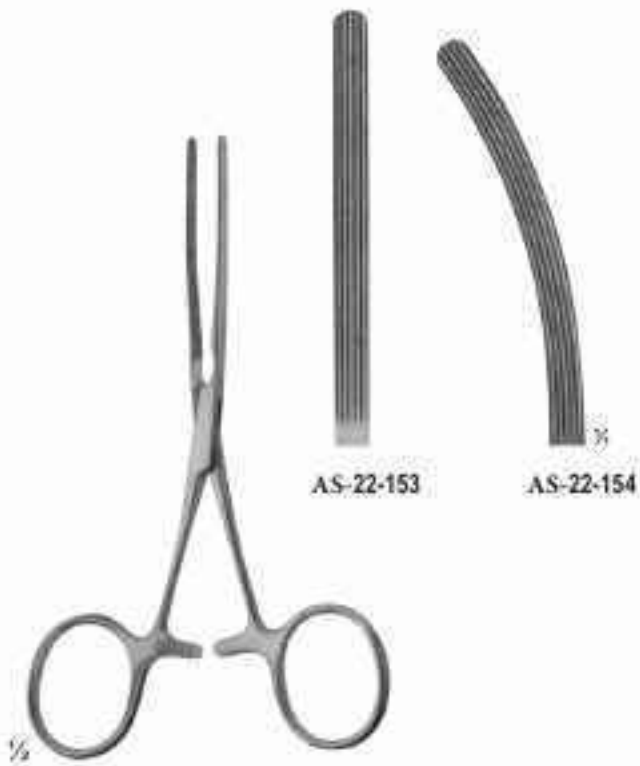
DE BAKEY
AS-22-147 200 mm
AS-22-148 240 mm
AS-22-149 300 mm



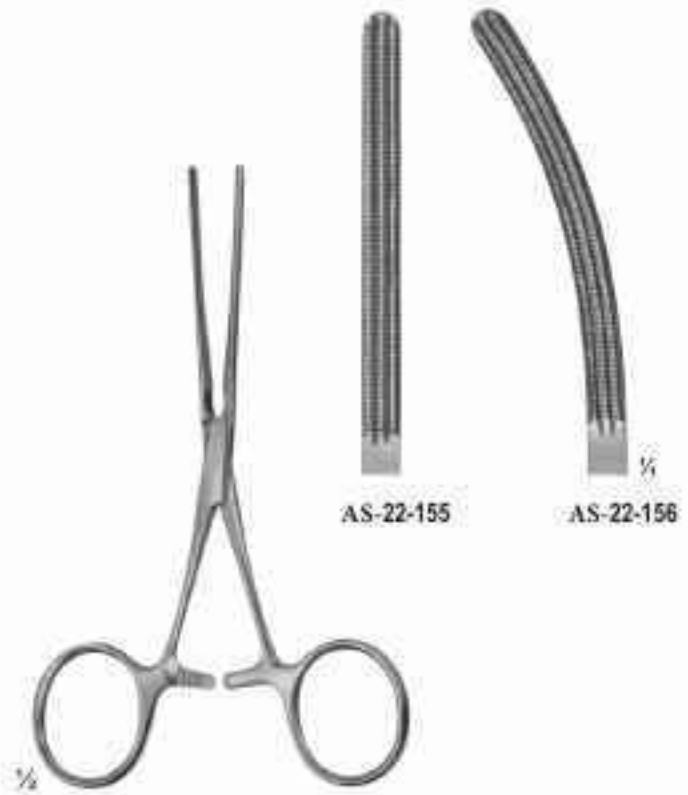
AS-22-150 -
AS-22-151
BAINBRIDGE
155 mm



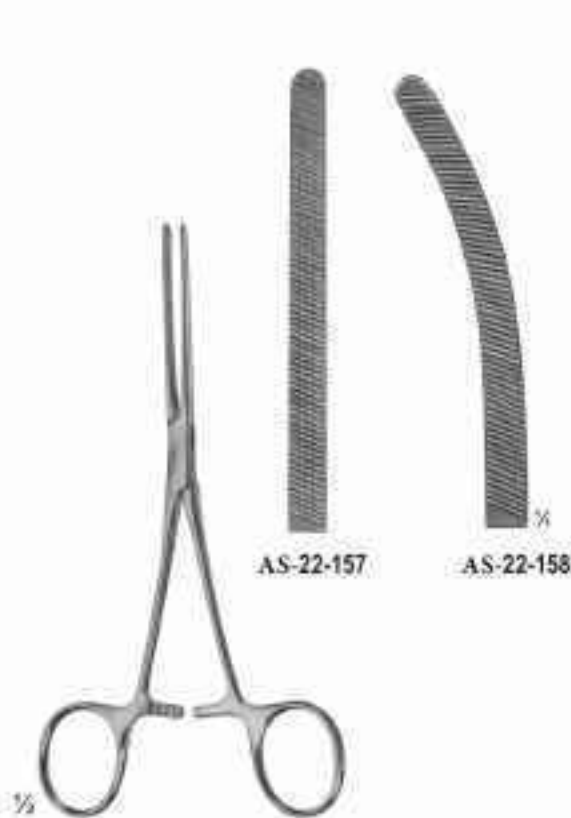
AS-22-152
ALLEN
155 mm



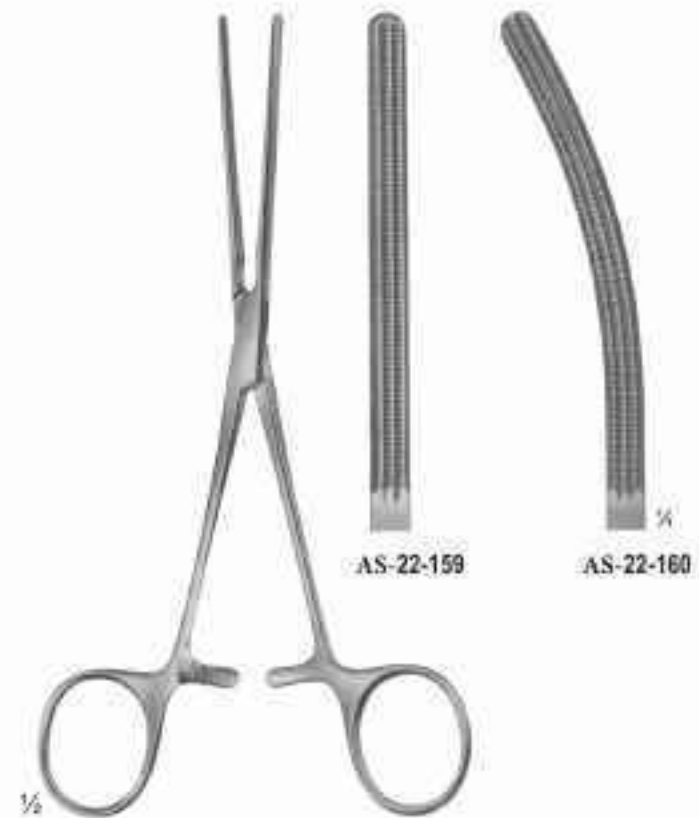
AS-22-153 -
AS-22-154 BABY-
KOCHER
very elastic blades 130
mm



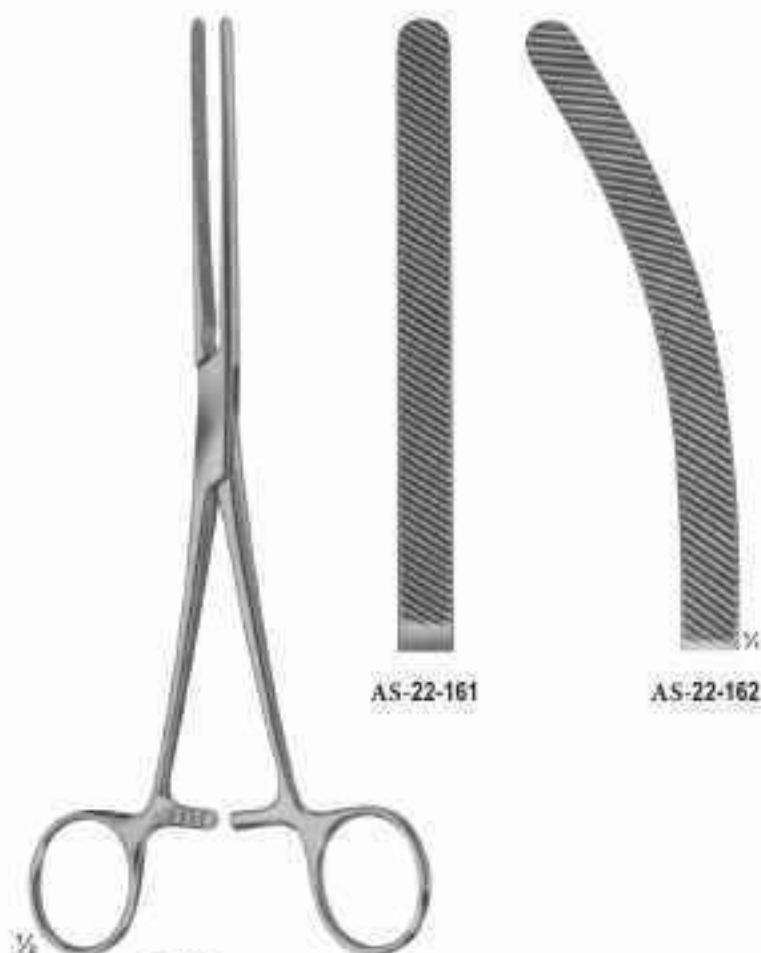
AS-22-155 -
AS-22-156 BABY-
KOCHER
with elastic blades 130
mm



AS-22-157 -
AS-22-158 DOYEN
elastic.
165 mm.



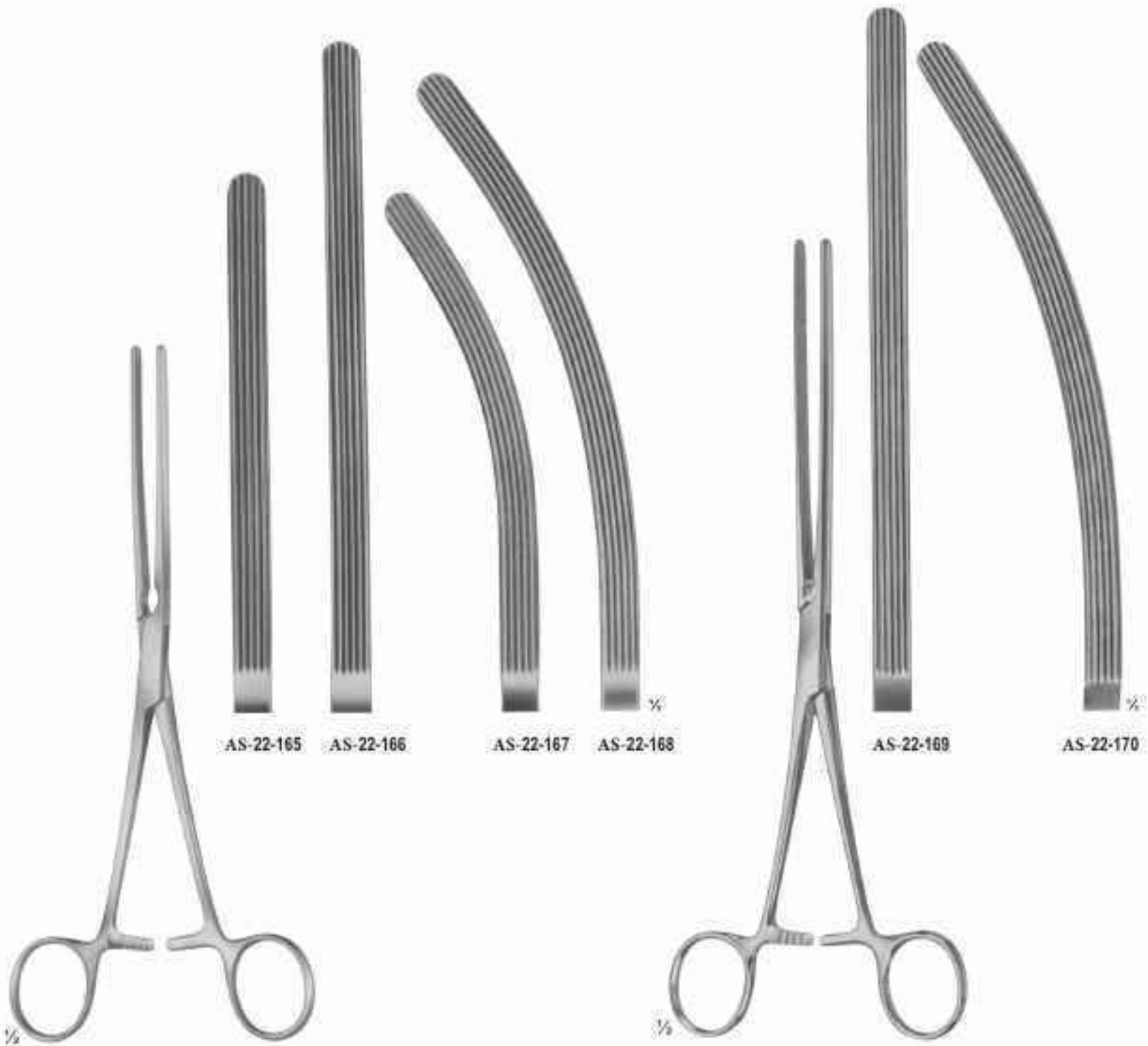
AS-22-159 -
AS-22-160 DOYEN
with elastic blades
170 mm.



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-22-165 -
AS-22-168 KOCHER
with elastic blades
AS-22-167 210 mm
AS-22-168 230 mm

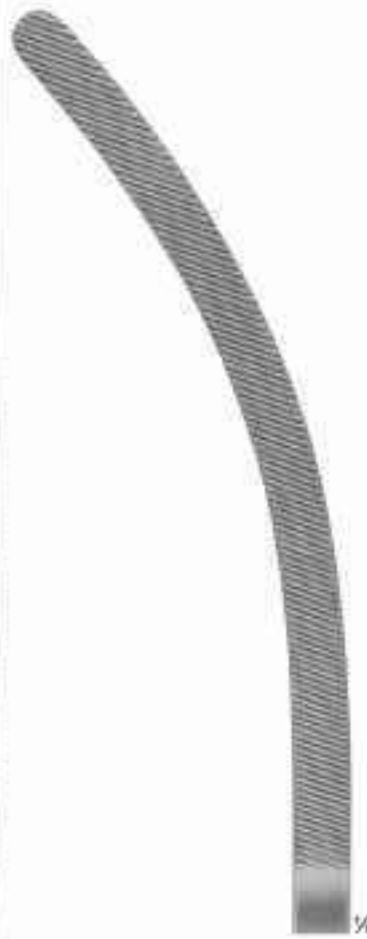
AS-22-169 -
AS-22-170 DOYEN
with elastic blades
210 mm



AS-22-171 -
AS-22-172 DOYEN
with elastic blades
235 mm



AS-22-171



AS-22-172



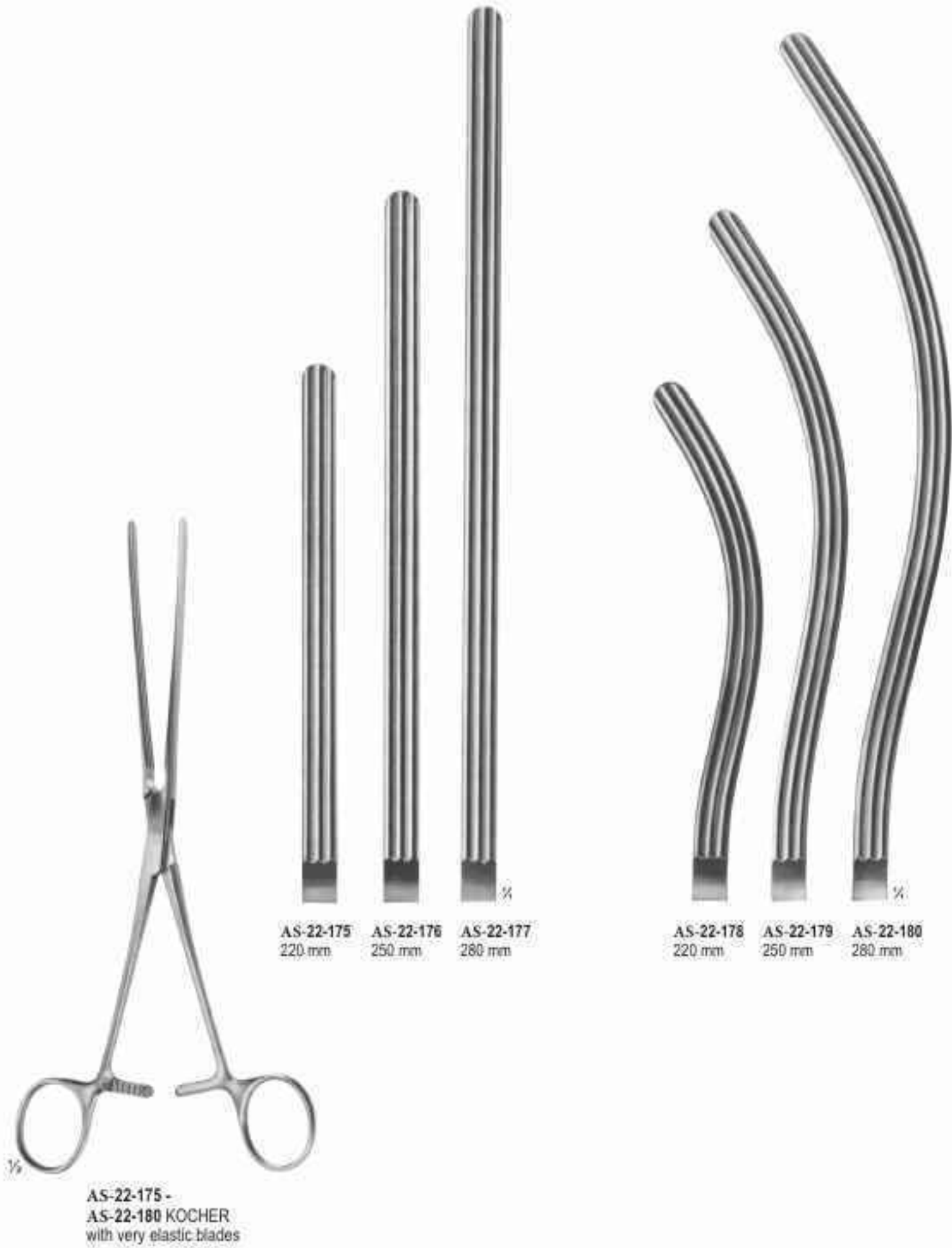
AS-22-173 -
AS-22-174 DOYEN
with elastic blades
230 mm



AS-22-173



AS-22-174





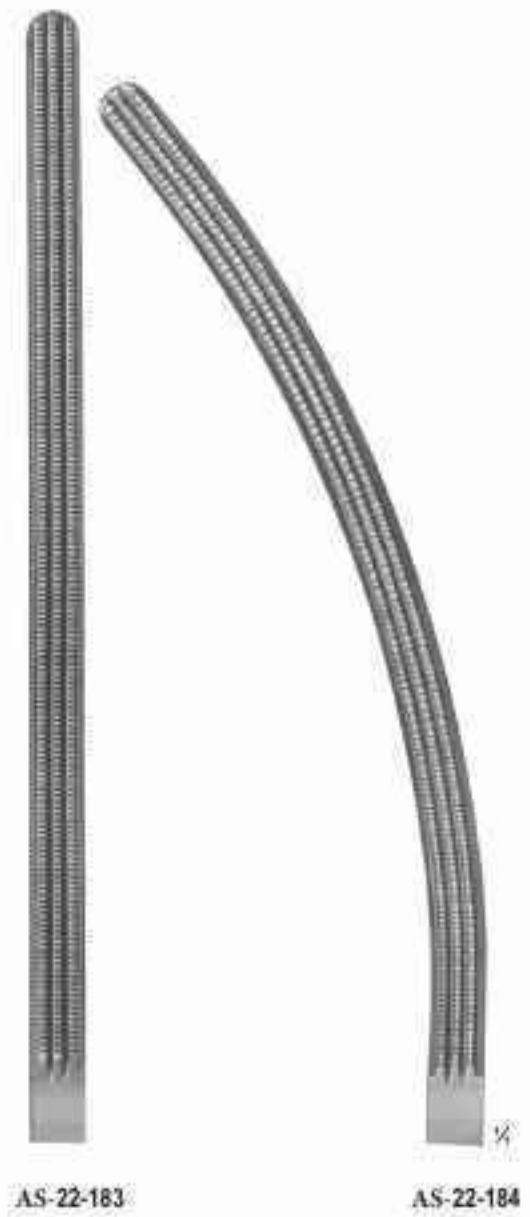
AS-22-181 -
AS-22-182 MAYO-
ROBSON hard elastic
250 mm



AS-22-182



AS-22-183 -
AS-22-184 MAYO-
ROBSON 250 mm



AS-22-184



AS-22-185

AS-22-186

AS-22-185 -
AS-22-186 SCUDDER
330 mm



AS-22-187
KLEINSCHMIDT
Spur crushers and
Appendectomy clamps
130 mm



AS-22-187
LANE
310 mm, 12"





BRUNNER
AS-22-192
230 mm



FEILAND
AS-22-193
240 mm



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



Straight



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



Curved



MAYO-ROBSON
AS-22-200
hard elastic
250 mm



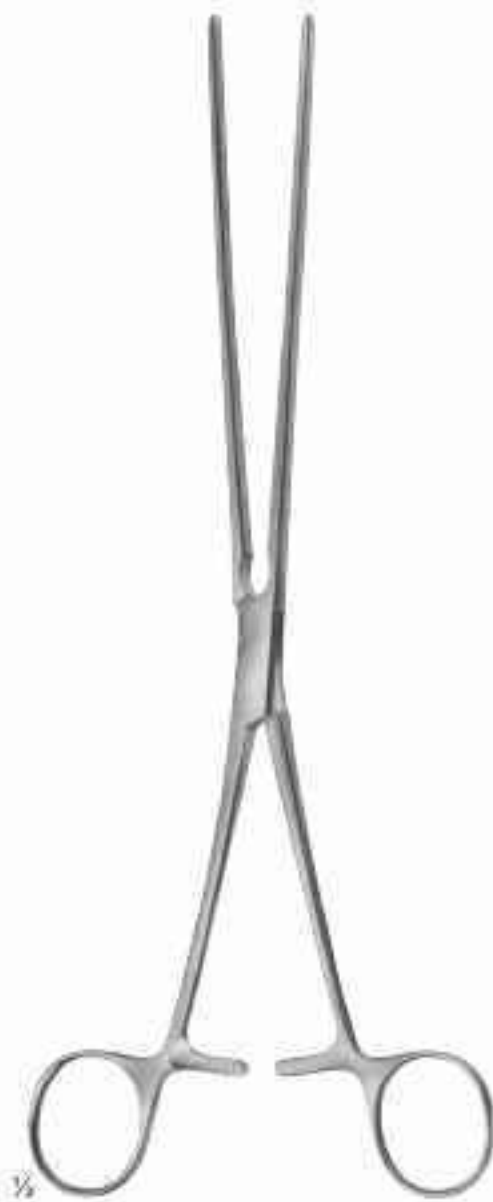
Straight



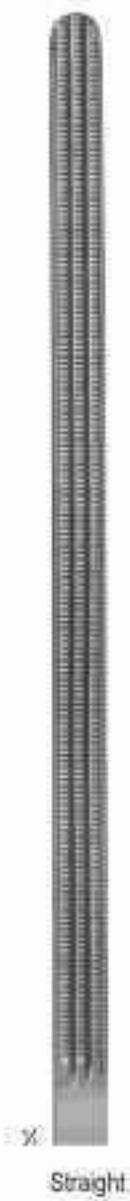
MAYO-ROBSON
AS-22-201
hard elastic
250 mm



Curved



MAYO-ROBSON
AS-22-202
250 mm



Straight



MAYO-ROBSON
AS-22-203
250 mm



Curved



NUSSBAUM
AS-22-204
with elastic blades
250 mm



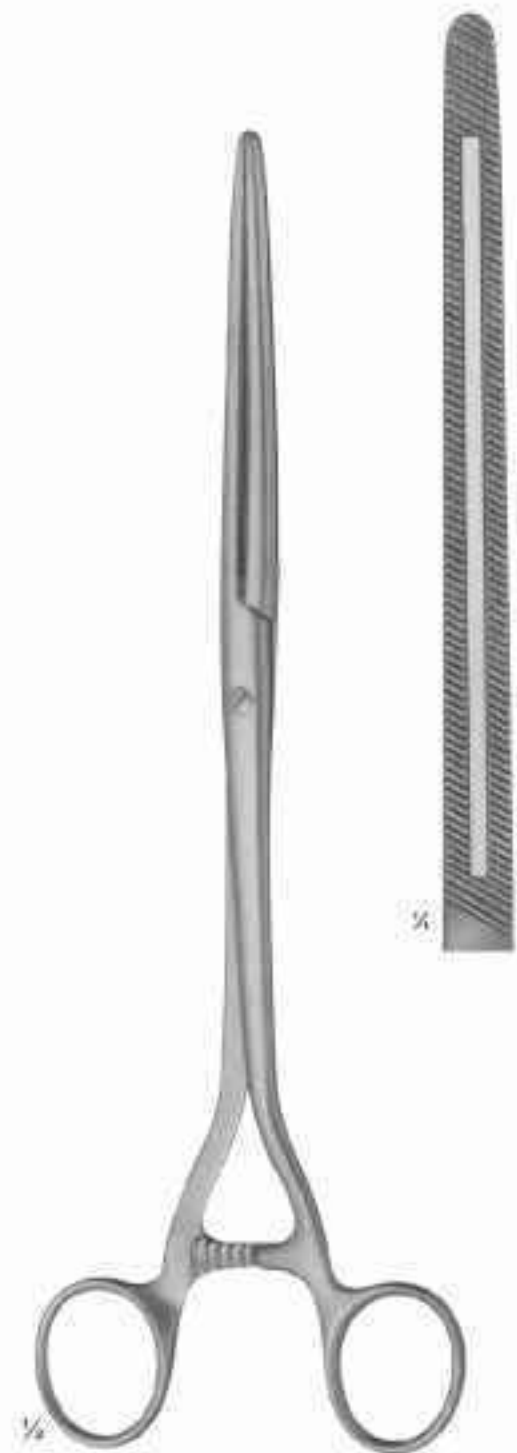
Straight



NUSSBAUM
AS-22-205
with elastic blades
250 mm



Curved



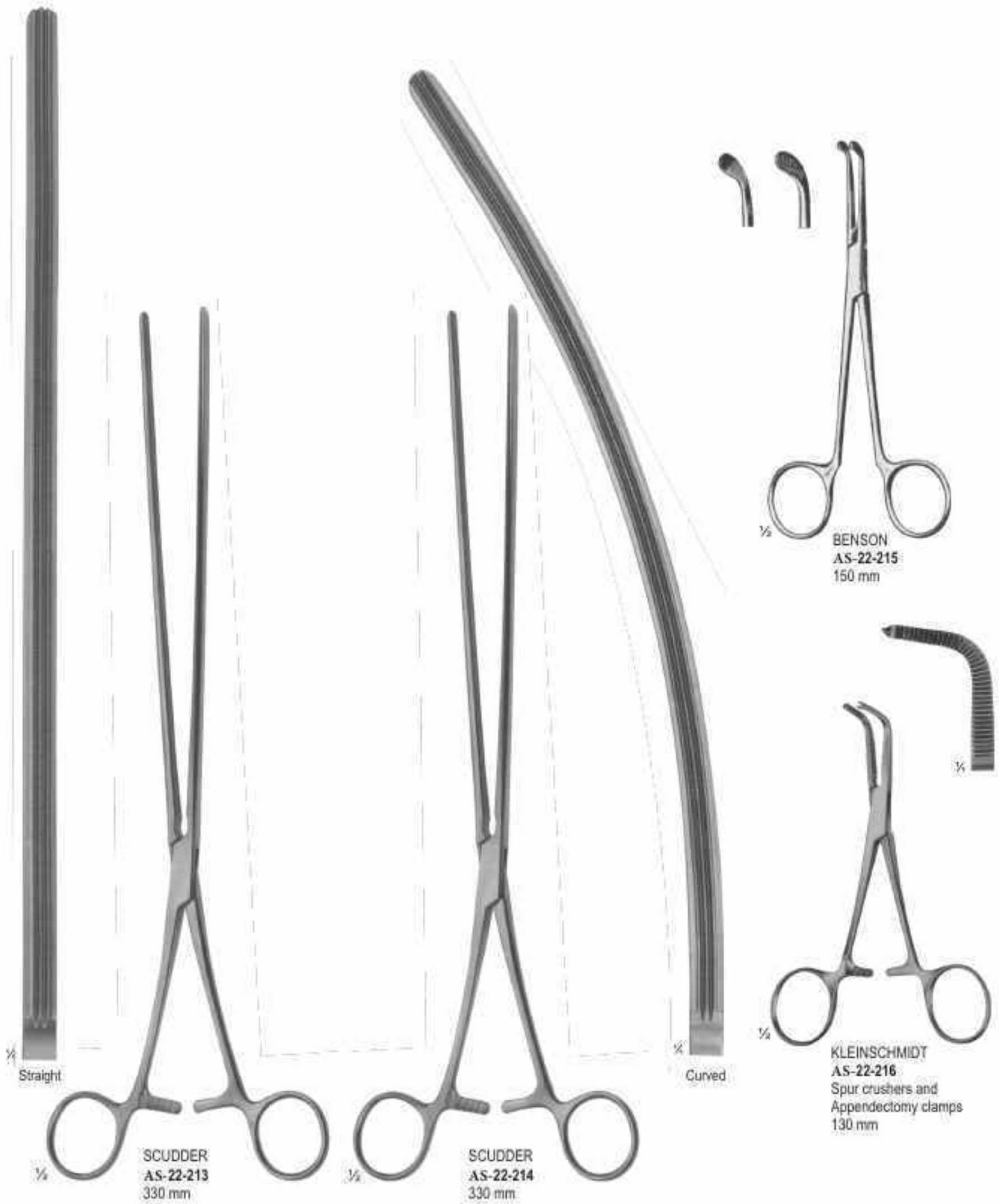
MOYNIHAN
AS-22-206
280 mm

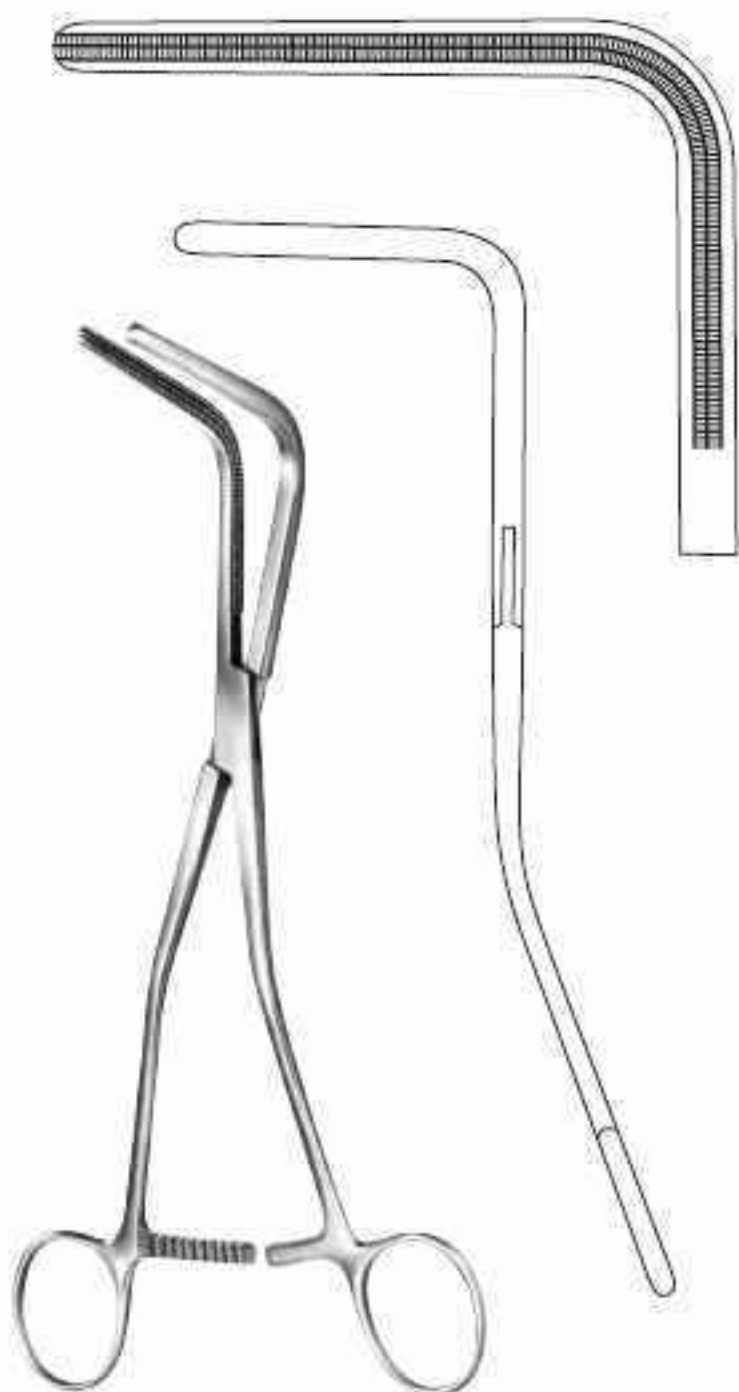


PARKER-KERR
AS-22-207
anastomosis forceps
for colon resection
180 mm

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

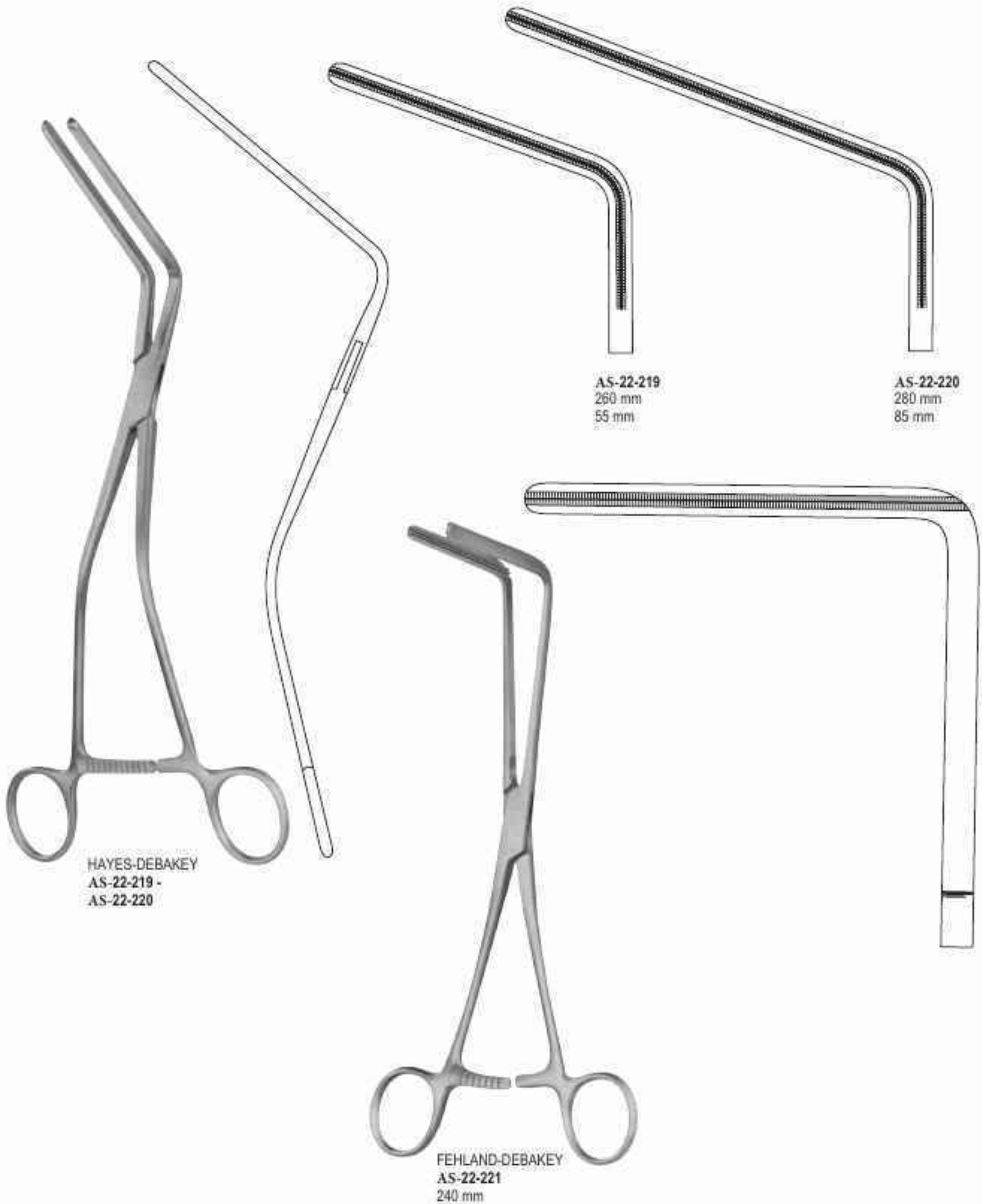


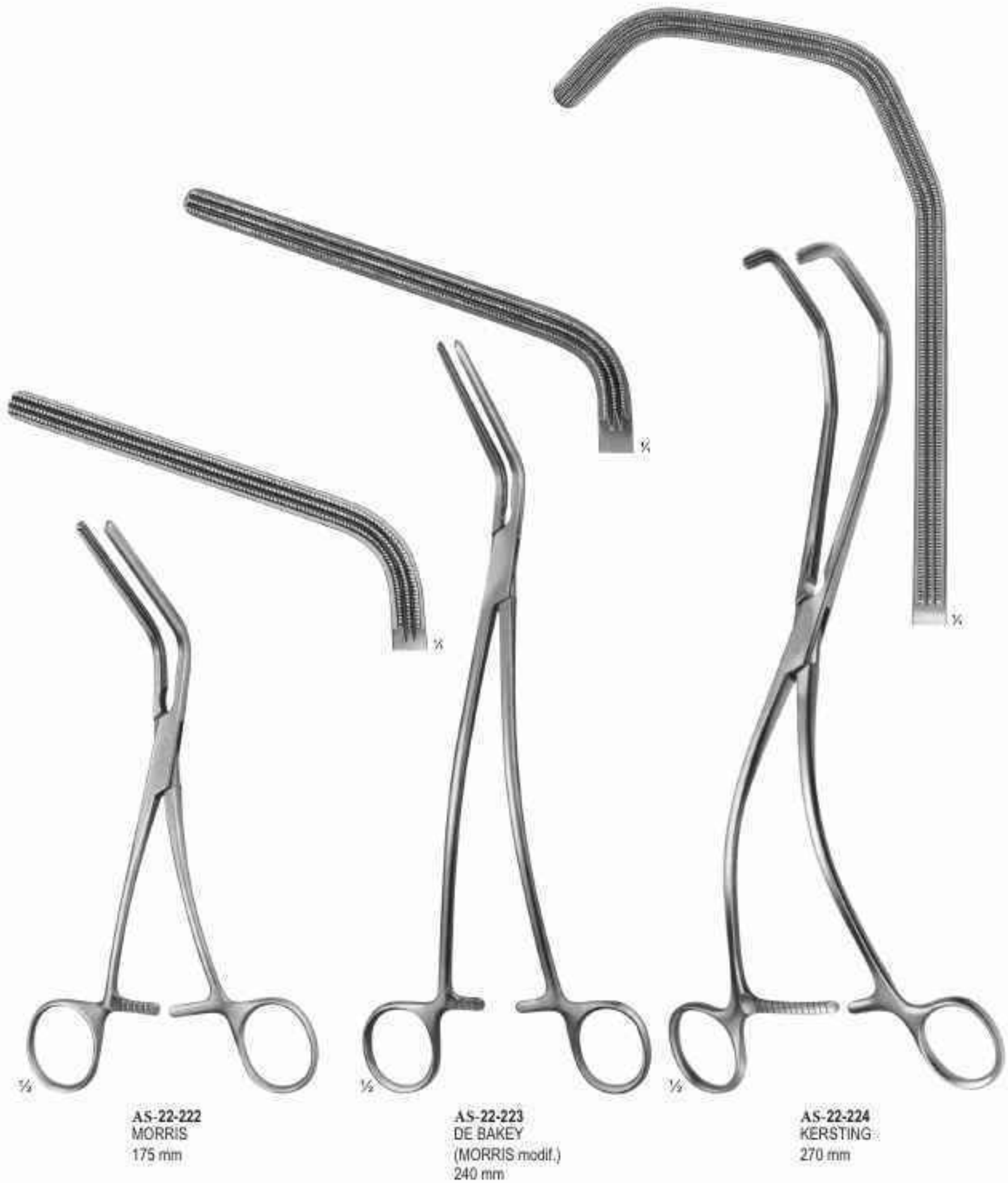


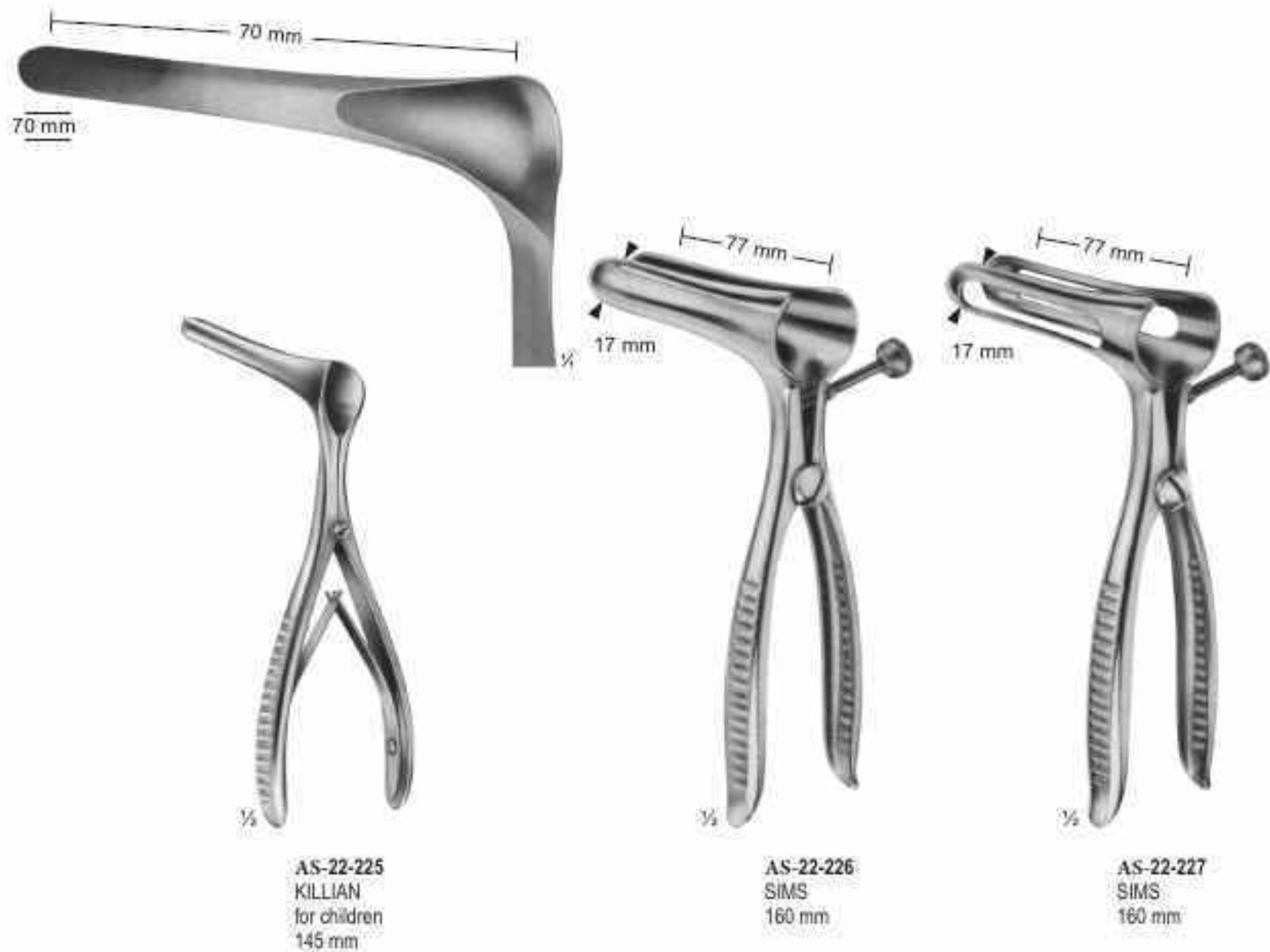
VEIDENHEIMER
AS-22-217
250 mm



RESANO
AS-22-218
280 mm







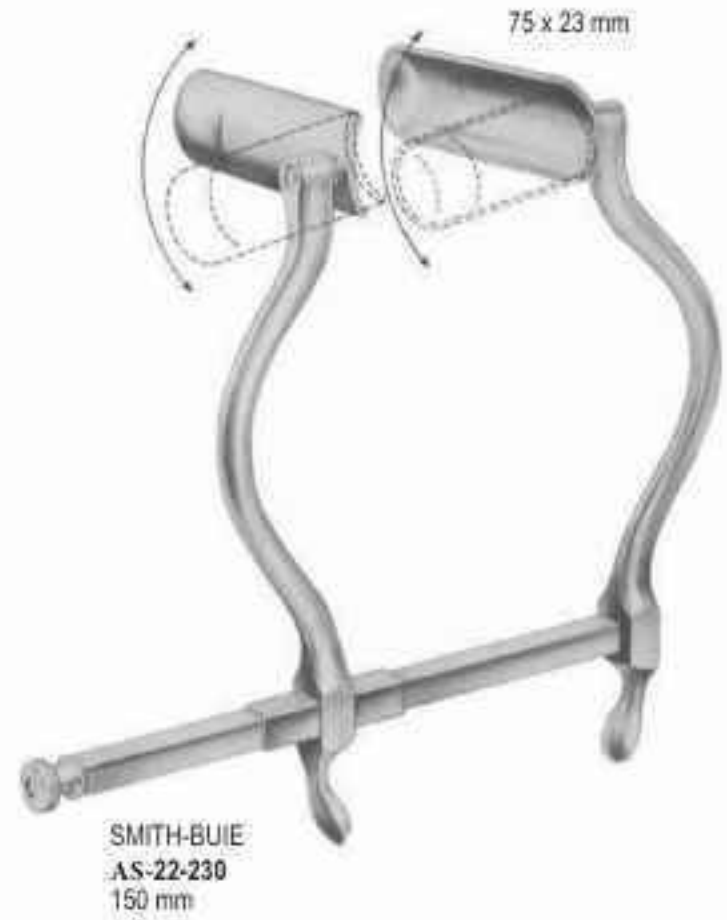
CLAMPS



CZERNY
AS-22-228
220 mm



ROSCHKE
AS-22-229
with fibre optic



SMITH-BUIE
AS-22-230
150 mm



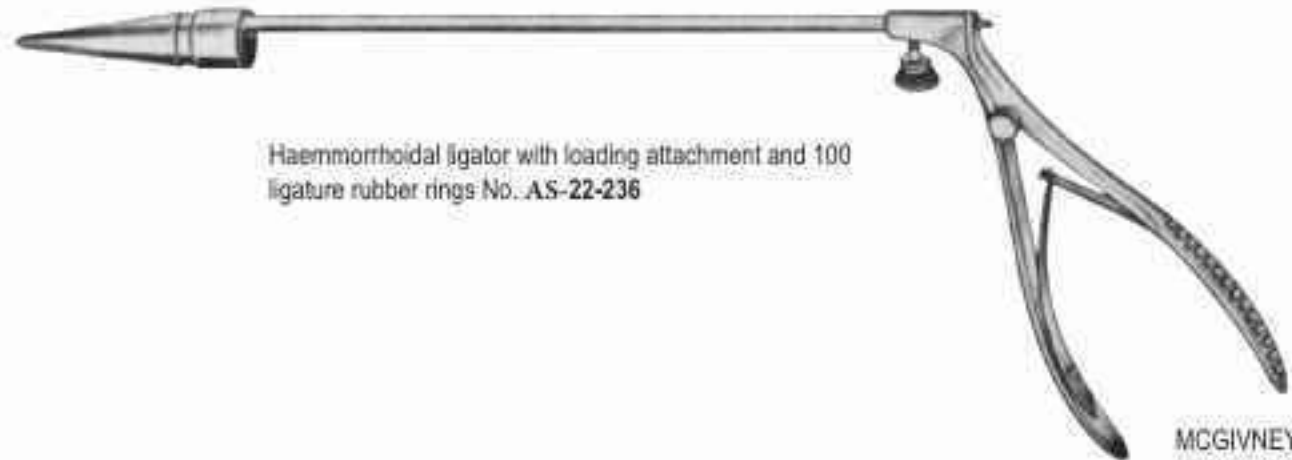
BARR
AS-22-231
170 mm



BRINKERHOFF
AS-22-232 - AS-22-234
AS-22-232 13 - 25 mm Ø / 89 mm
AS-22-233 13 - 25 mm Ø / 102 mm
AS-22-234 19 - 32 mm Ø / 114 mm

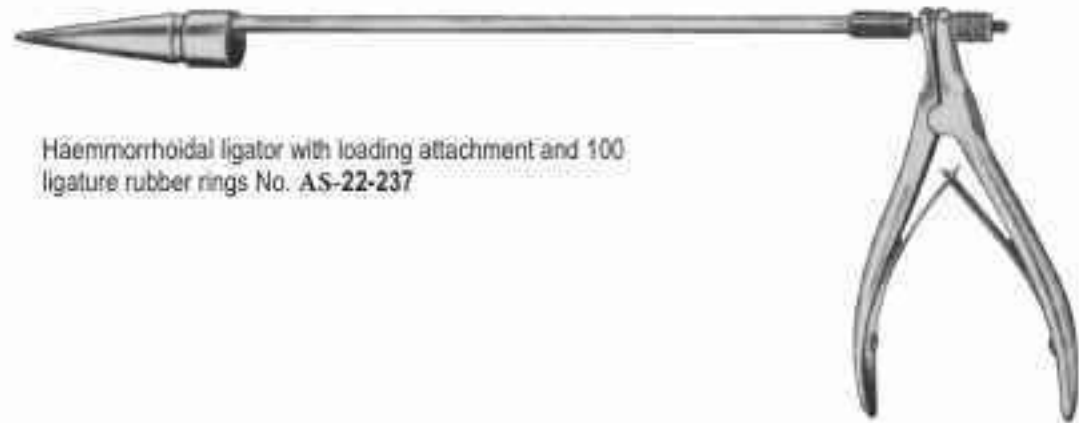


MCGIVNEY
AS-22-235
190 mm



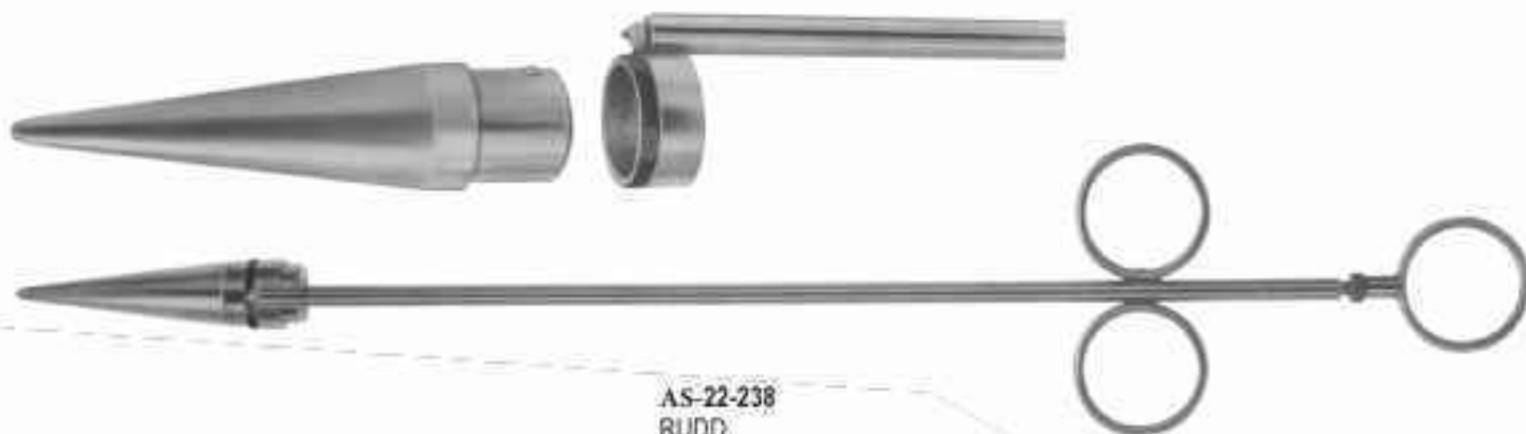
Haemorrhoidal ligator with loading attachment and 100
ligature rubber rings No. AS-22-236

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

AB HOLDERS



3.5 mm



3.5 mm



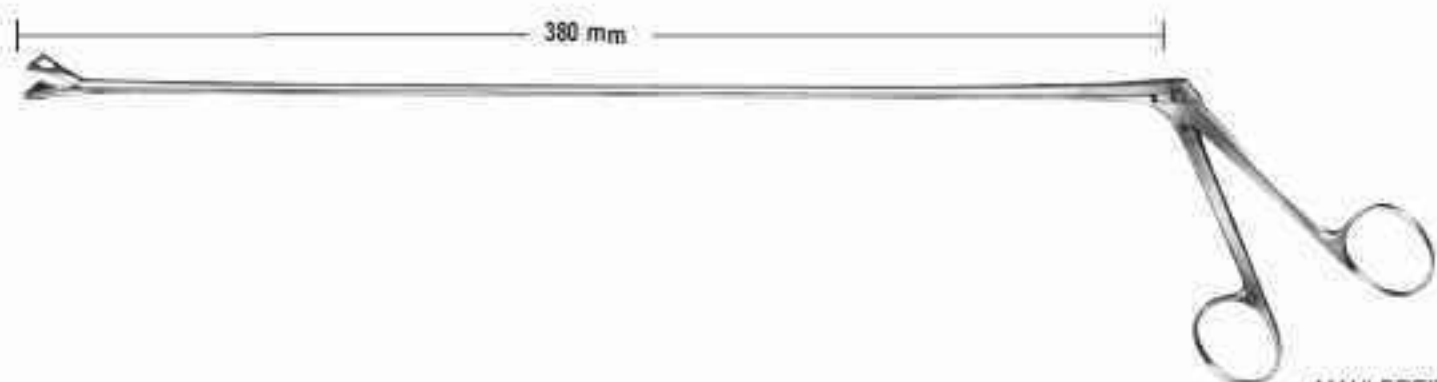
4 mm



4 mm



AS-22-240 - AS-22-243 Handle
for 265 - 266 - 267 - 268



MAULBREITE
JAW WIDTH
AS-22-244
380 mm
15 mm



BUIE
AS-22-245
160 mm



PRATT
AS-22-246 - AS-22-248
215 mm



Fig. 1
AS-22-246



Fig. 2
AS-22-247



Fig. 3



AS-22-249
12 pieces / 12 piezas



WESTON
AS-22-250
300 mm



NORWOOD
AS-22-251
300 mm



BUIE
AS-22-252
300 mm



AS-22-253
380 mm



AS-22-254
380 mm



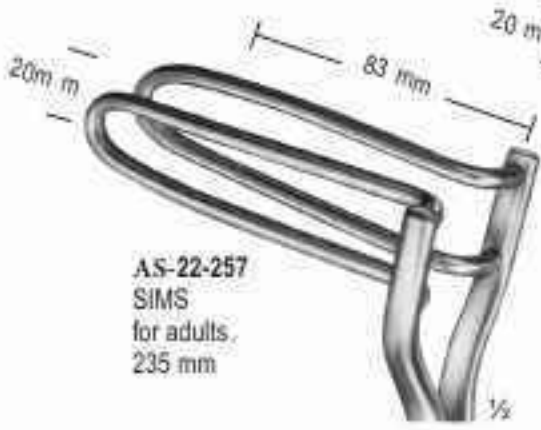
KATZENSTEIN
AS-22-255
90 mm



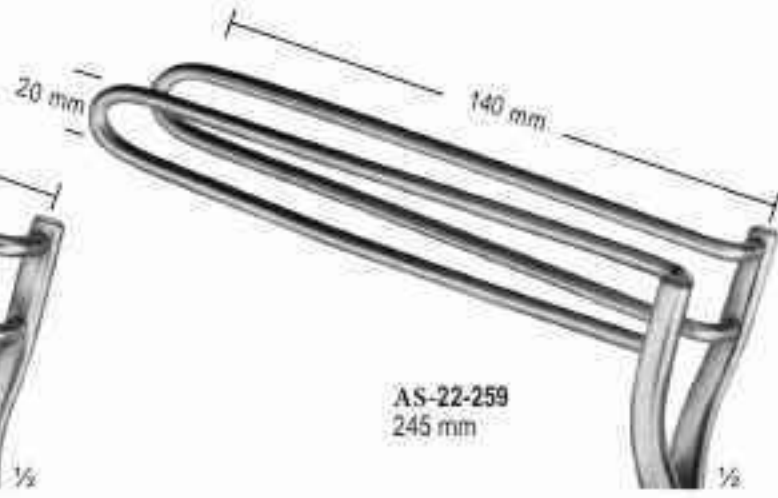
AS-22-256
SIMS
for children
190 mm



AS-22-258
235 mm



AS-22-257
SIMS
for adults
235 mm



AS-22-259
245 mm

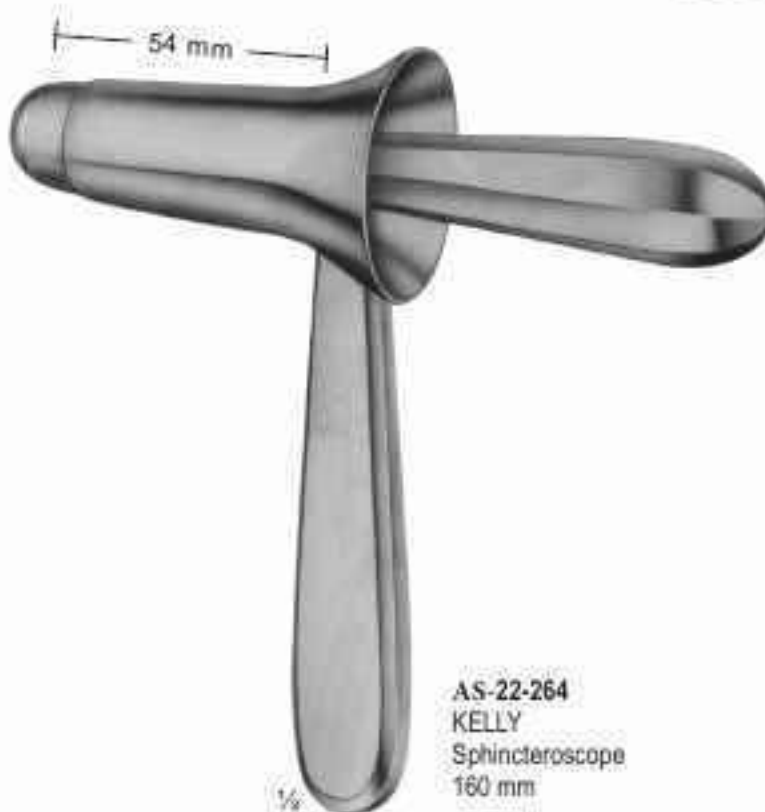
AS-22-256 - AS-22-259

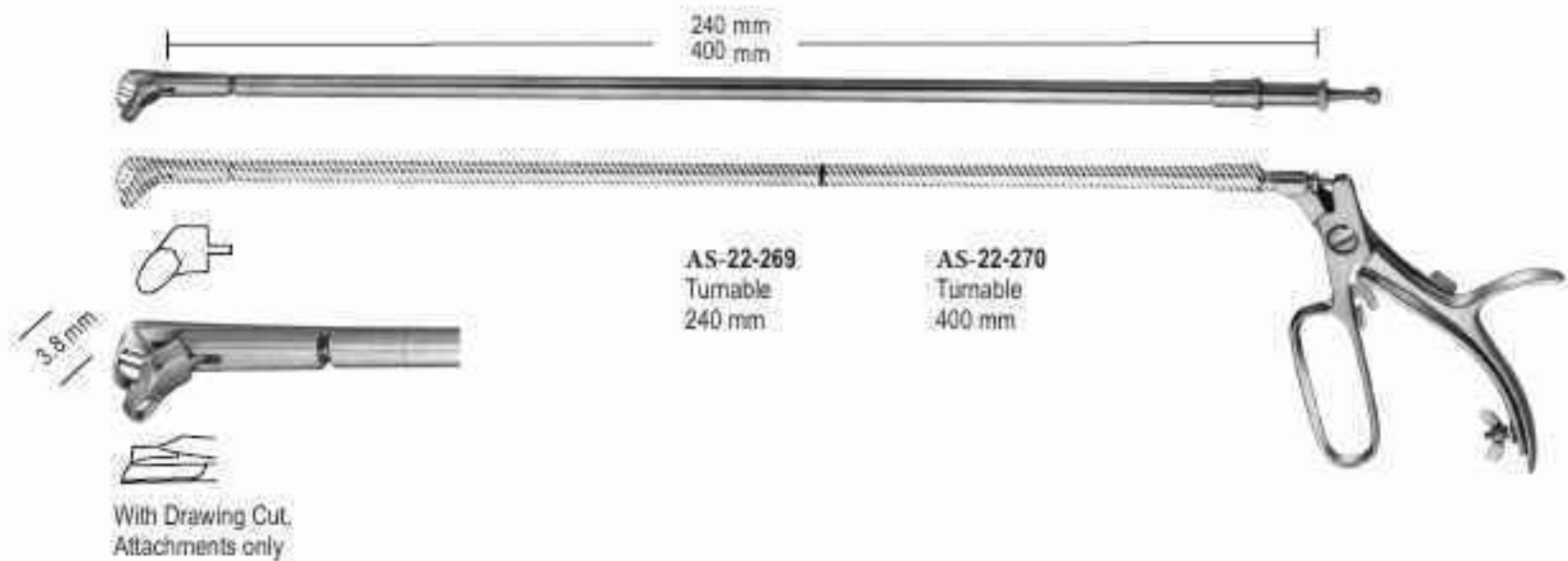
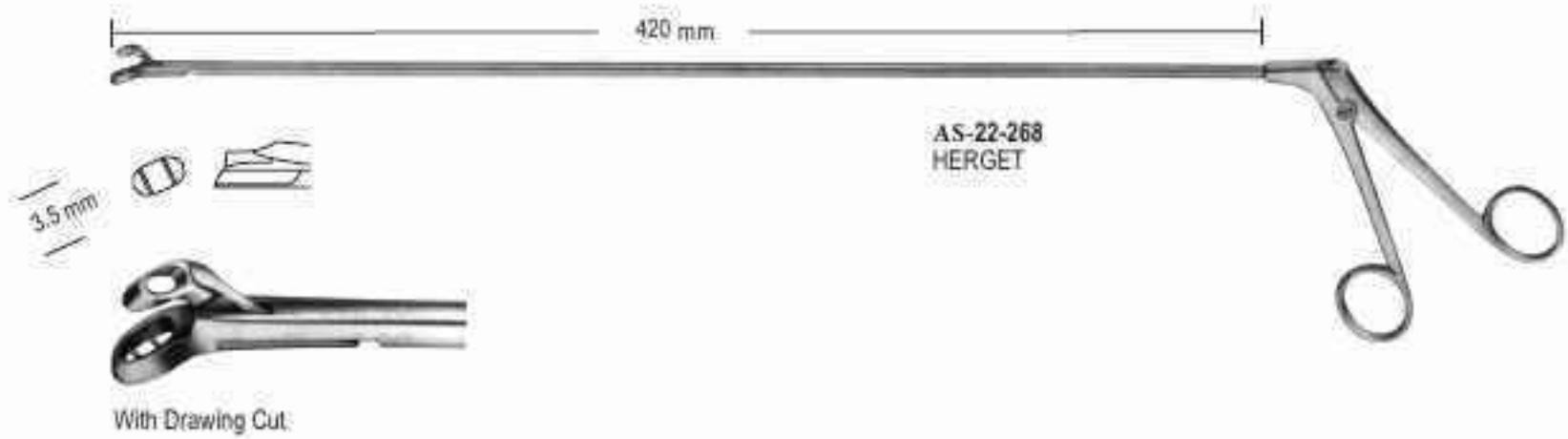
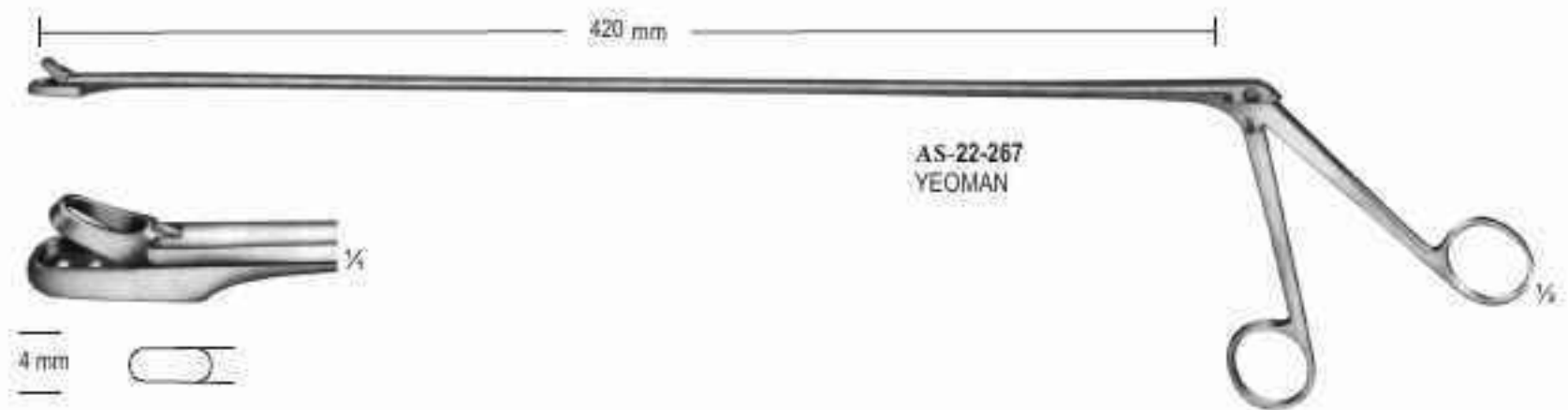
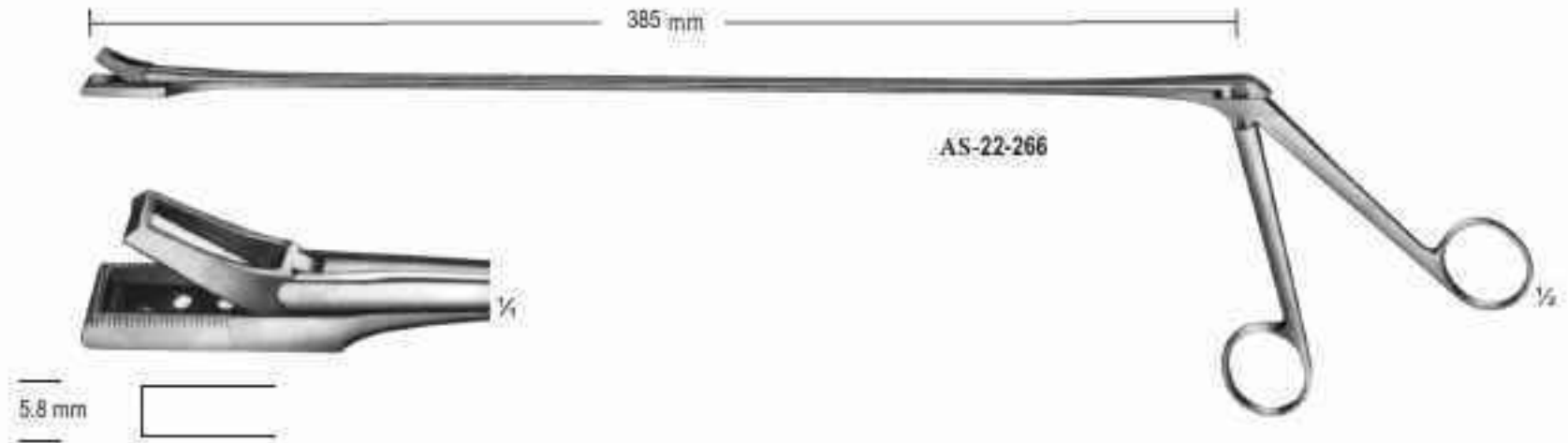


AS-22-260
PRATT
205 mm



AS-22-261
MATHIEU
215 mm







AS-22-271
LOWER
180 mm



AS-22-272
LAHEY (SWEET)
190 mm



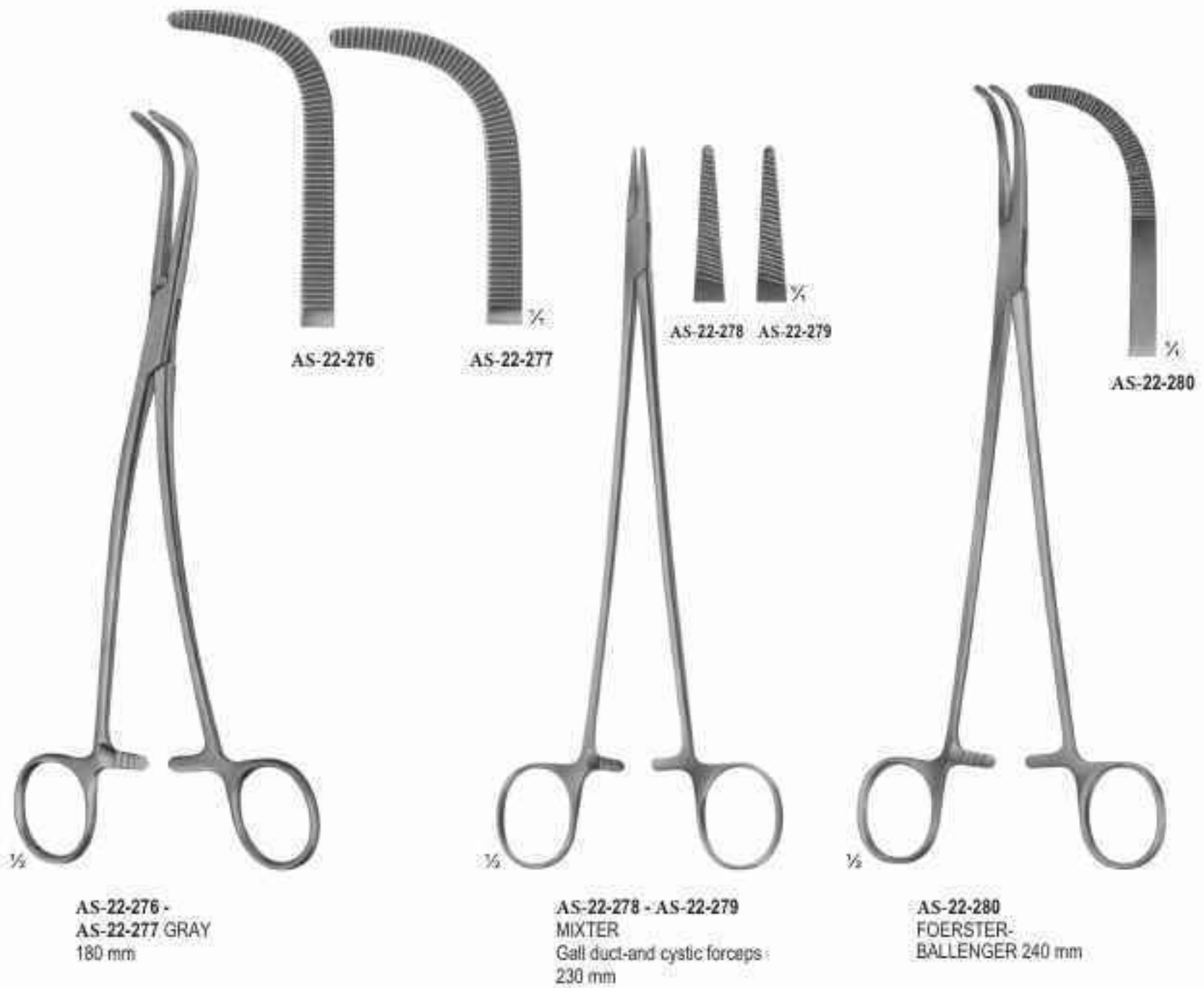
AS-22-273
LAHEY
220 mm

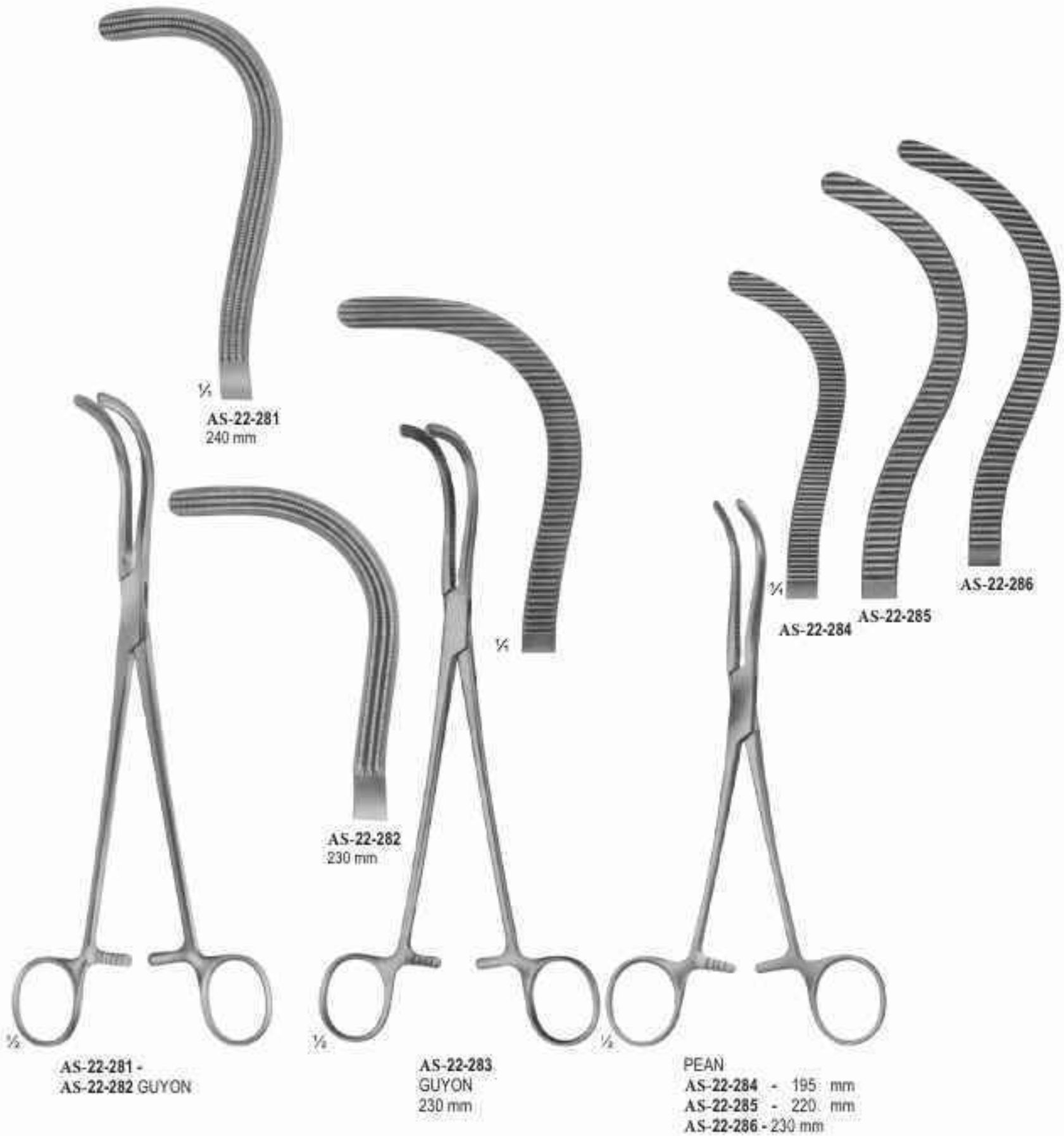


AS-22-274 DESJARDINS
Gall duct and cystic forceps
210 mm



AS-22-275 NISSEN
Gall duct and cystic forceps
215 mm



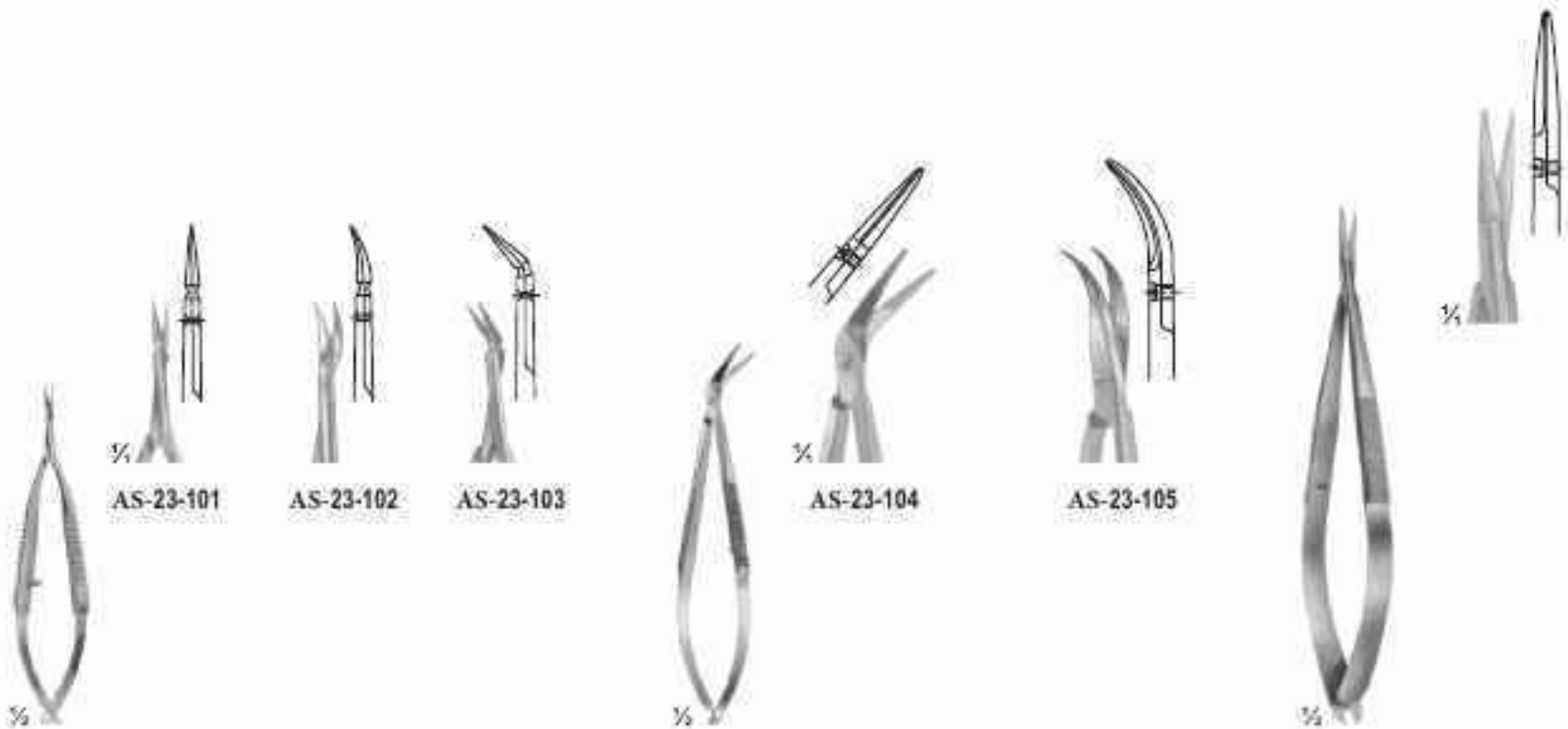




Page 535-551

▪ Micro Instruments

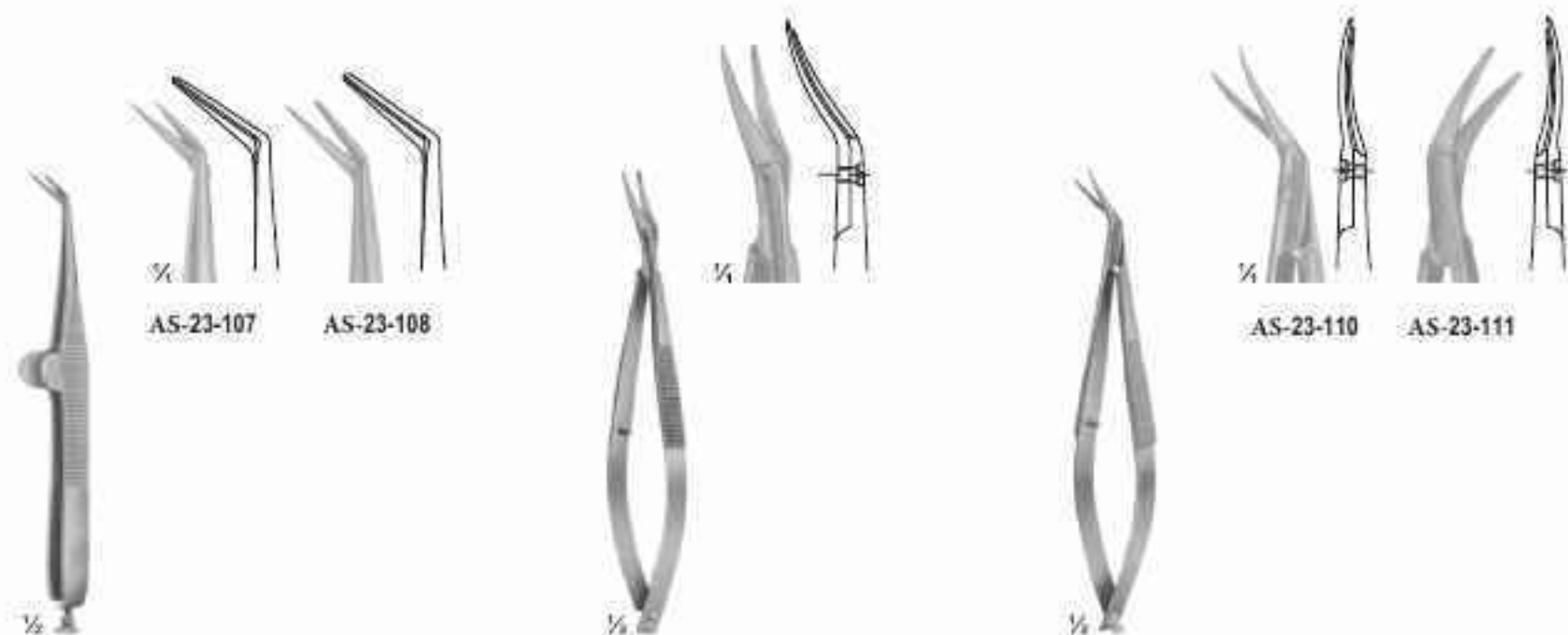




AS-23-101 -
AS-23-103 VANNAS
85 mm

AS-23-104 -
AS-23-105
CASTROVIEJO
95 mm

AS-23-106
NOYES
125 mm

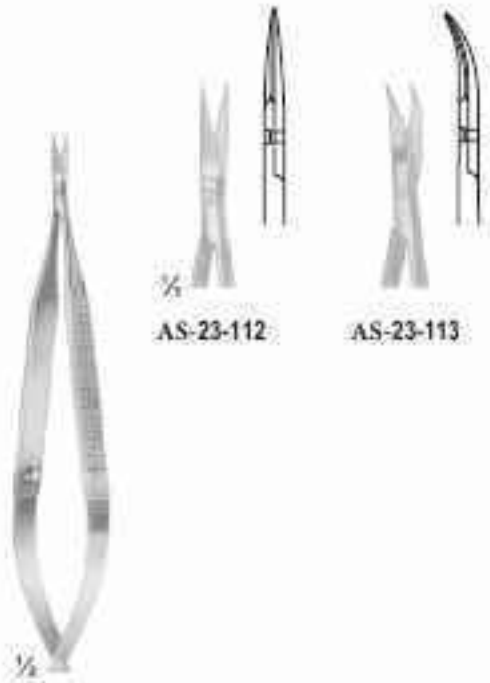


AS-23-107 -
AS-23-108 WECKER
Eye Scissor
110 mm

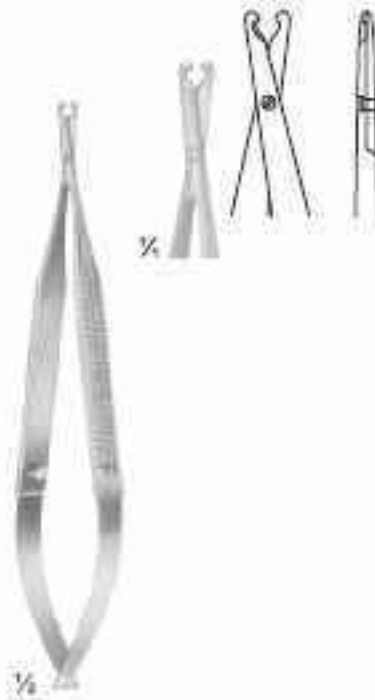
AS-23-109
CASTROVIEJO
Eye Scissor
115 mm

AS-23-110 -
AS-23-111
CASTROVIEJO
Eye Scissor
110 mm

TYPE "FLAT HANDLES"

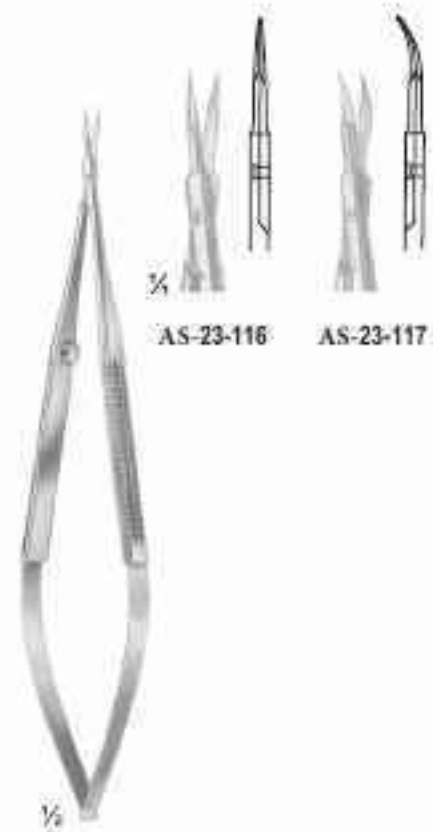


AS-23-112 -
AS-23-113 120
mm



AS-23-114
BIEMER
Vein Scissor
130 mm

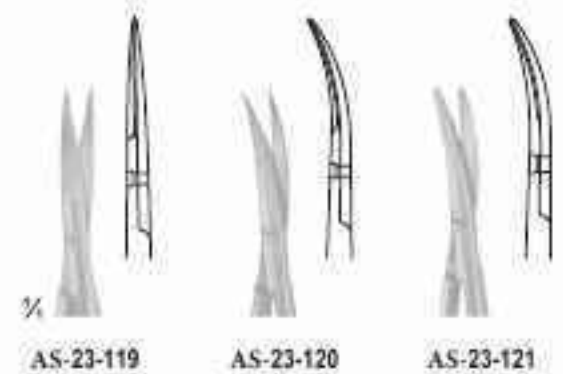
AS-23-115
160 mm



AS-23-116 -
AS-23-117
VANNAS 160 mm



AS-23-11
360° Rotatable
115 mm



AS-23-119
AS-23-121
Micro
Dissecting Scissor 145
mm



AS-23-122
YASARGIL
245 mm



AS-23-123



AS-23-124



AS-23-123 -
AS-23-124 Laterally
Angled
200 mm



AS-23-125
Laterally Angled
190 mm



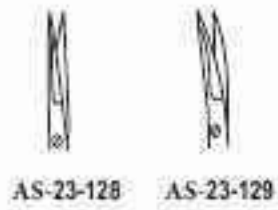
AS-23-126



AS-23-127

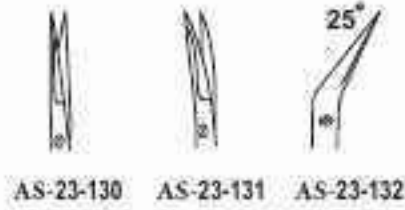


AS-23-126 -
AS-23-127 YASARGIL
225 mm



AS-23-128 AS-23-129

AS-23-128 -
AS-23-129
CASTROVIEJO Spring
Scissors
15, 18 cm



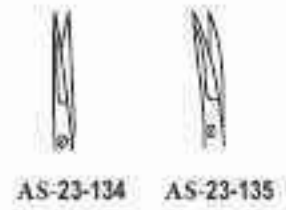
AS-23-130 AS-23-131 AS-23-132

AS-23-130 -
AS-23-132
STREAMLINE
Micro Coronary
Scissors
15, 18, 21, 23 cm



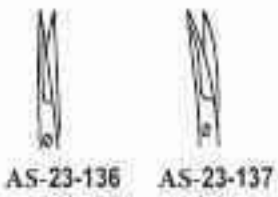
AS-23-133

AS-23-133
STREAMLINE
Spring Scissors
23 cm



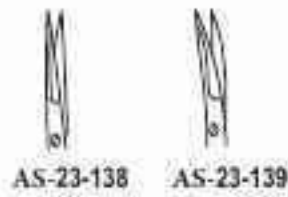
AS-23-134 AS-23-135

AS-23-134 -
AS-23-135
STREAMLINE Spring
Scissors
23 cm



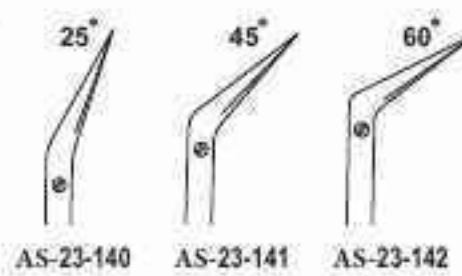
AS-23-136 AS-23-137

AS-23-136 -
AS-23-137 TOLEDO
Spring Scissors
16.5 cm

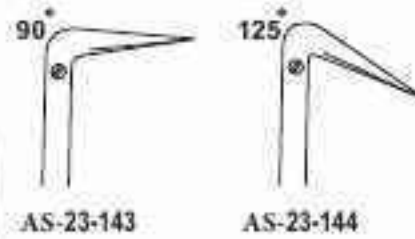


AS-23-138 AS-23-139

AS-23-138 -
AS-23-139
BARRAQUER Spring
Scissors
12, 15, 18 cm

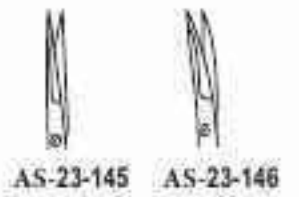


AS-23-140 AS-23-141 AS-23-142



AS-23-143 AS-23-144

AS-23-140 -
AS-23-144
BARRAQUER Spring
Scissors
18 cm

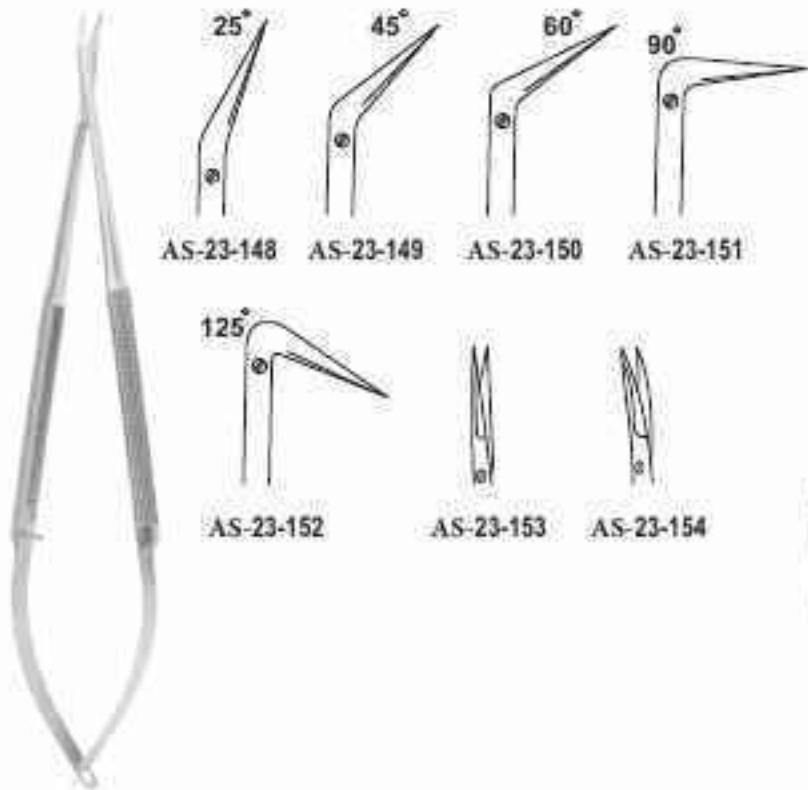


AS-23-145 AS-23-146



AS-23-147

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



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



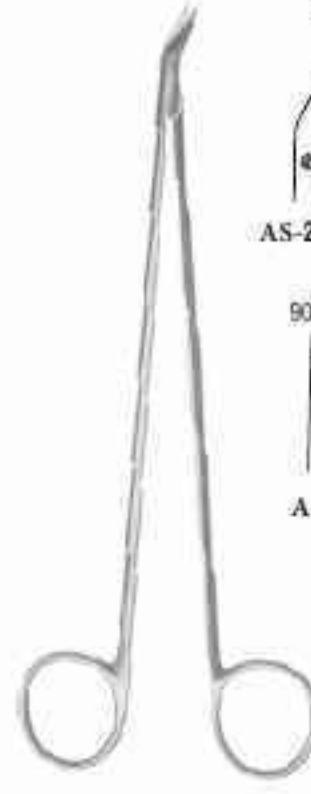
AS-23-161
TROUTMAN
Corneal Scissors
10 cm



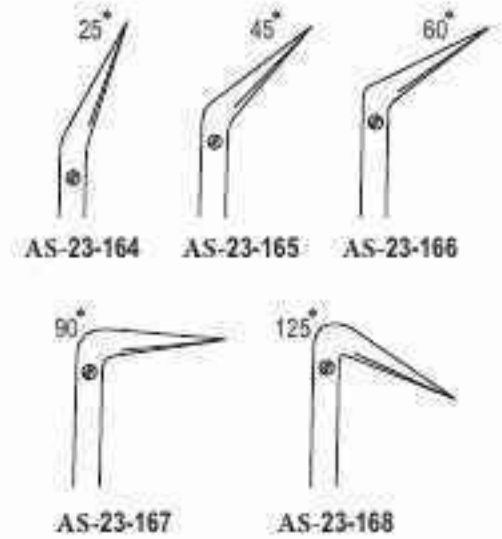
AS-23-162
BONN
Eye Scissors
9 cm



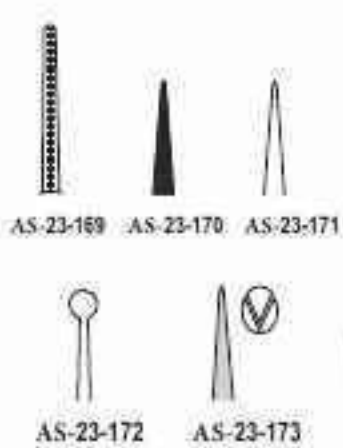
AS-23-163
Eye Scissors
10.6 cm



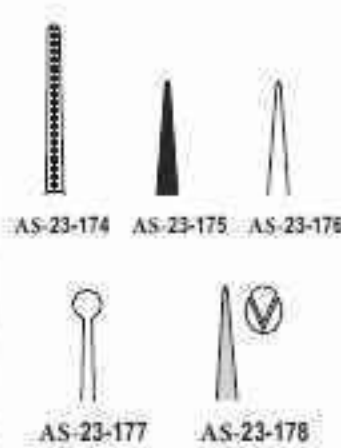
AS-23-164 -
AS-23-168
HEGEMANN
Ring Scissors
18 cm



AS-23-169 -
AS-23-173
TOLEDO Forceps
Heavy 18, 21 cm



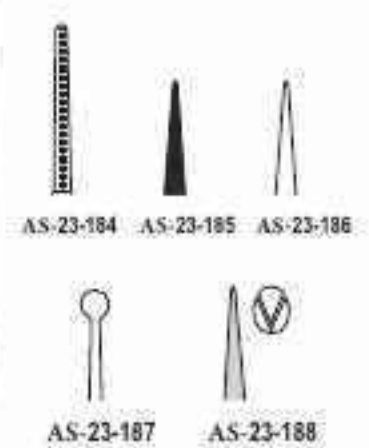
AS-23-174 -
AS-23-178
Forceps 15, 18 cm

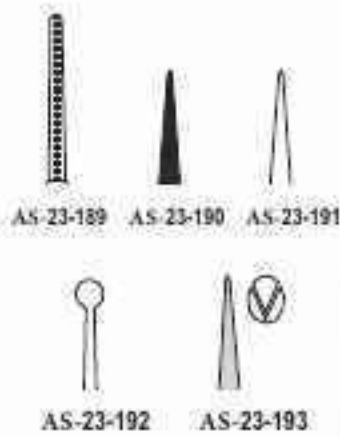


AS-23-179 -
AS-23-183
TOLEDO Forceps
18, 21 cm

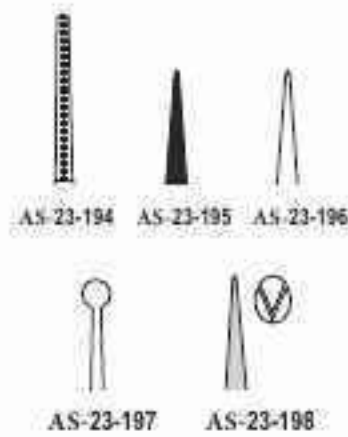


AS-23-184 -
AS-23-188 15, 18,
21 cm

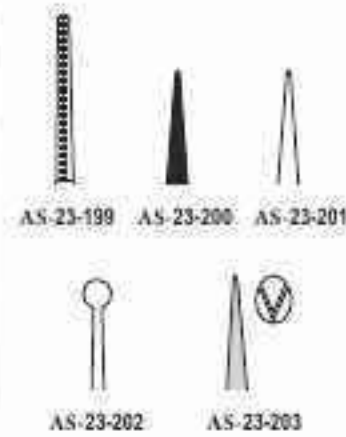




AS-23-189 -
AS-23-193 Forceps
15, 18, 21 cm



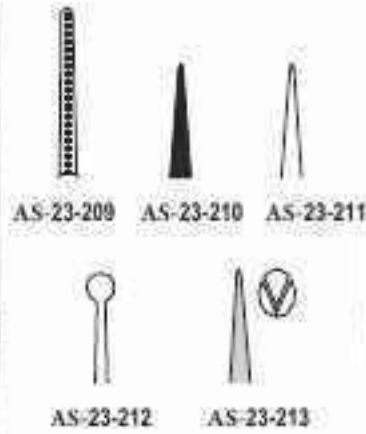
AS-23-194 -
AS-23-198 15, 18,
21 cm



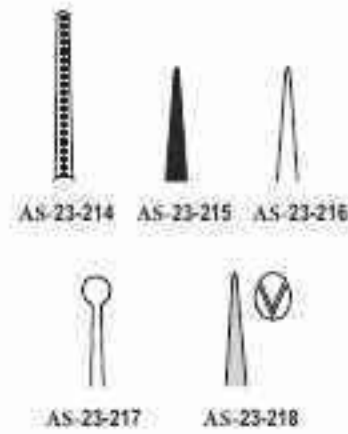
AS-23-199 -
AS-23-203
Forceps 15, 18, 21
cm



AS-23-204 -
AS-23-208
Forceps 15, 18, 21
cm



AS-23-209 -
AS-23-213
Forceps Counter
Balance 15, 18, 21
cm



AS-23-214 -
AS-23-218
Forceps Counter
Balance 15, 18, 21,
23, 25 cm



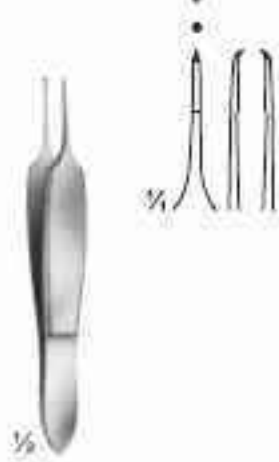
AS-23-219 -
AS-23-223
Forceps 15, 21, 23,
cm



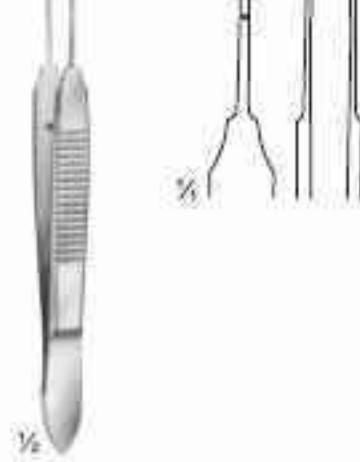
AS-23-224 -
AS-23-228
Forceps 18, 21 cm



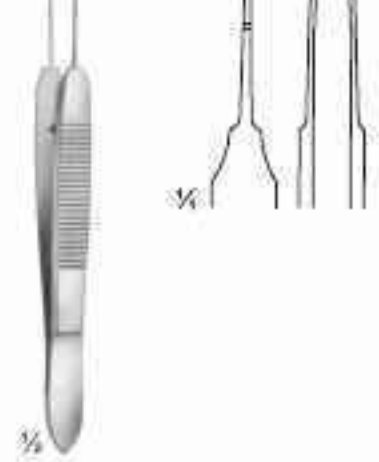
BISHOP-HARMON
AS-23-229
8.5 cm



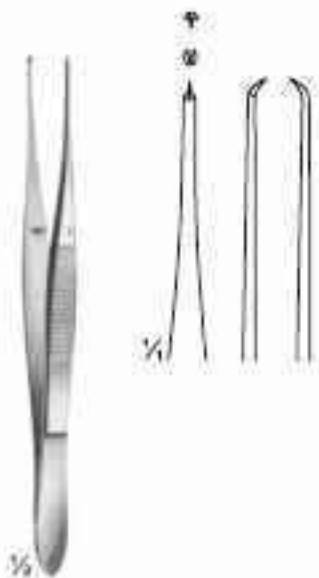
ST. MARTIN
AS-23-230
8 cm



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



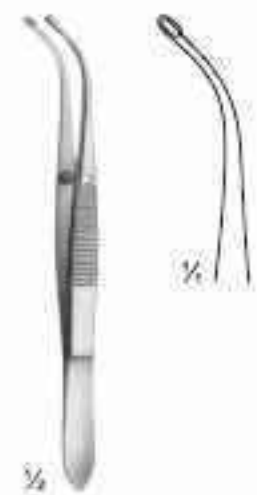
GILL
AS-23-234
7.5 cm



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-23-241

AS-23-240 - 141
TUBINGEN
Suture Forceps
8.5, 11 cm



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
KUHN
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



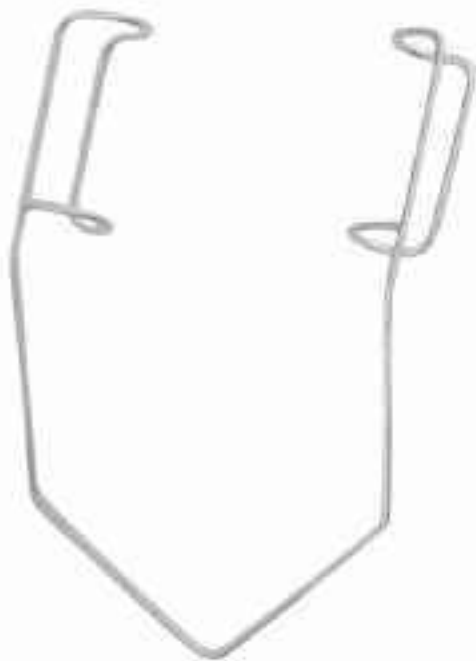
AS-23-260
WILDER
Lachrymal
Probes



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 Retractors
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



AS-23-279



AS-23-280

AS-23-279 -
AS-23-280 Without
catch
185 mm



AS-23-281
Without
catch



AS-23-282
With catch

AS-23-281 -
AS-23-282
JACOBSON
185 mm



AS-23-283
Without catch
195 mm



AS-23-284



AS-23-285

AS-23-284 -
AS-23-285 YASARGIL
With catch
200 mm



AS-23-286
115 mm



AS-23-287
135 mm

AS-23-286 -
AS-23-287
BARRAQUER Without
catch



AS-23-288



AS-23-289

AS-23-288 -
AS-23-289
BARRAQUER Without
catch
120 mm



AS-23-290



AS-23-291

AS-23-290 -
AS-23-291
BARRAQUER Without
catch
120 mm



AS-23-292



AS-23-293

AS-23-292 -
AS-23-293
BARRAQUER Without
Catch
150 mm



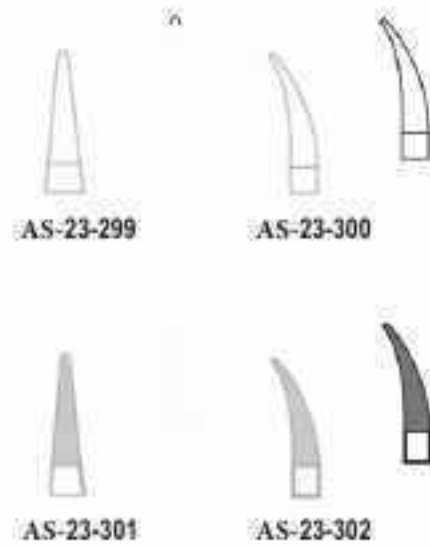
AS-23-294 -
AS-23-295 YASARGIL
200 mm



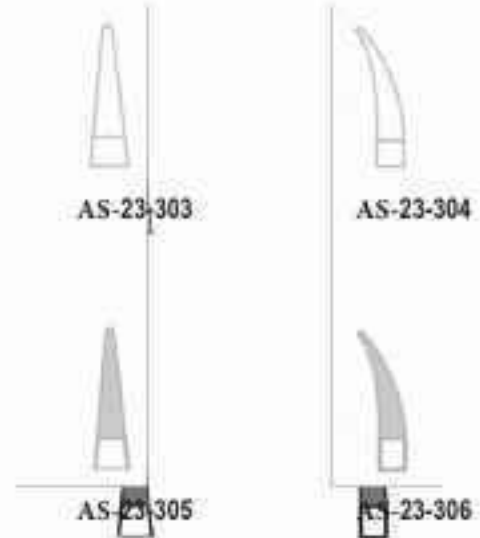
AS-23-296 -
AS-23-297 YASARGIL
225 mm



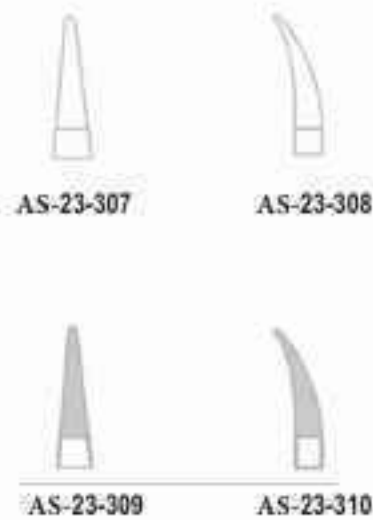
AS-23-298
YASARGIL
245 mm



CASTROVIEJO
AS-23-299 -
AS-23-302 145 mm



CASTROVIEJO
AS-23-303 -
AS-23-306 180 mm



BARRAQUER
AS-23-307 -
AS-23-310 145 mm



HEPP SCHEIDEL
AS-23-311
180 mm

Page
552–564

▪ 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
Trocarn
For puncturing
150 mm



AS-24-114
For clearing
large quantities
of fluid
190 mm



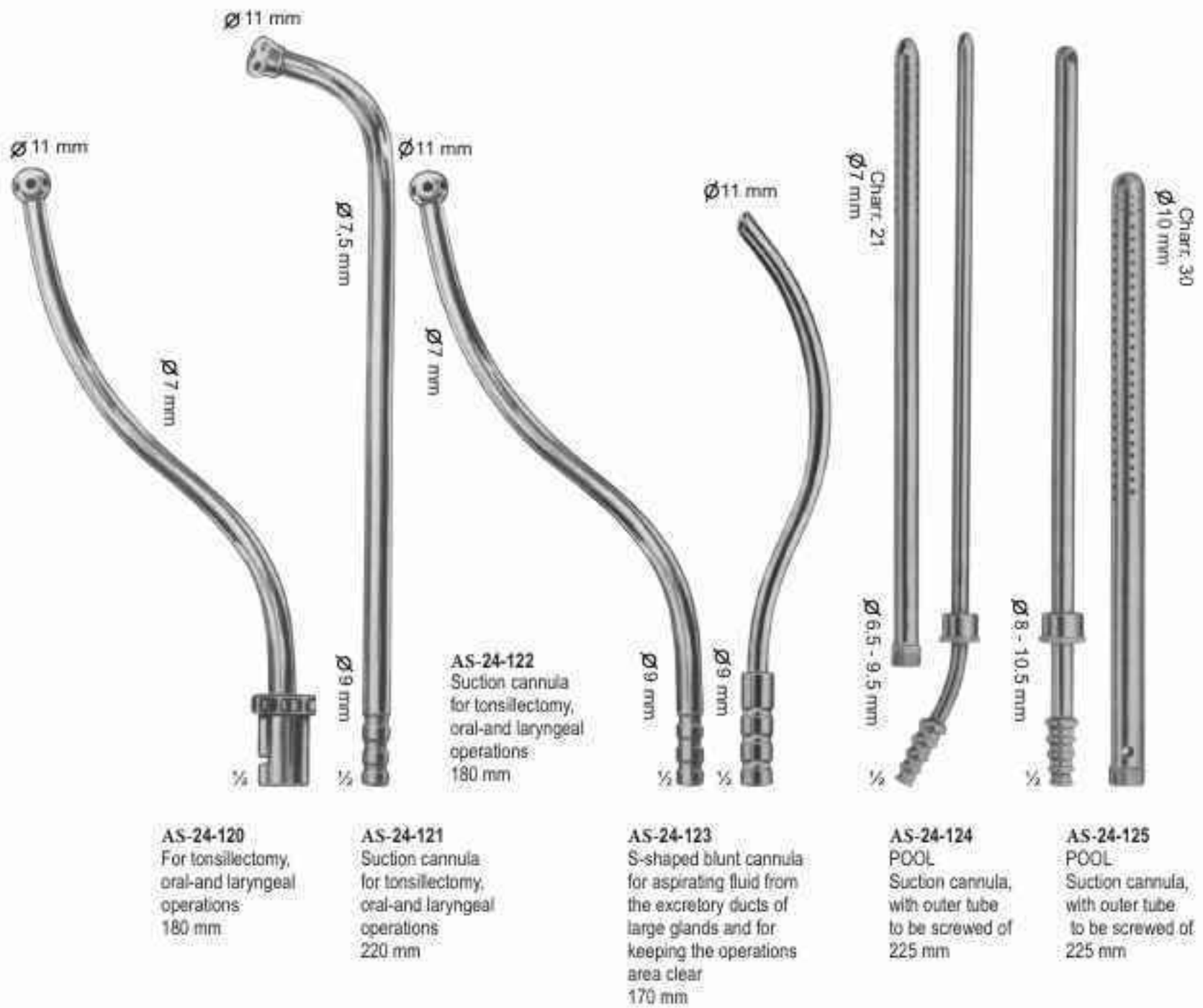
AS-24-115
Trocar
For puncturing
170 mm

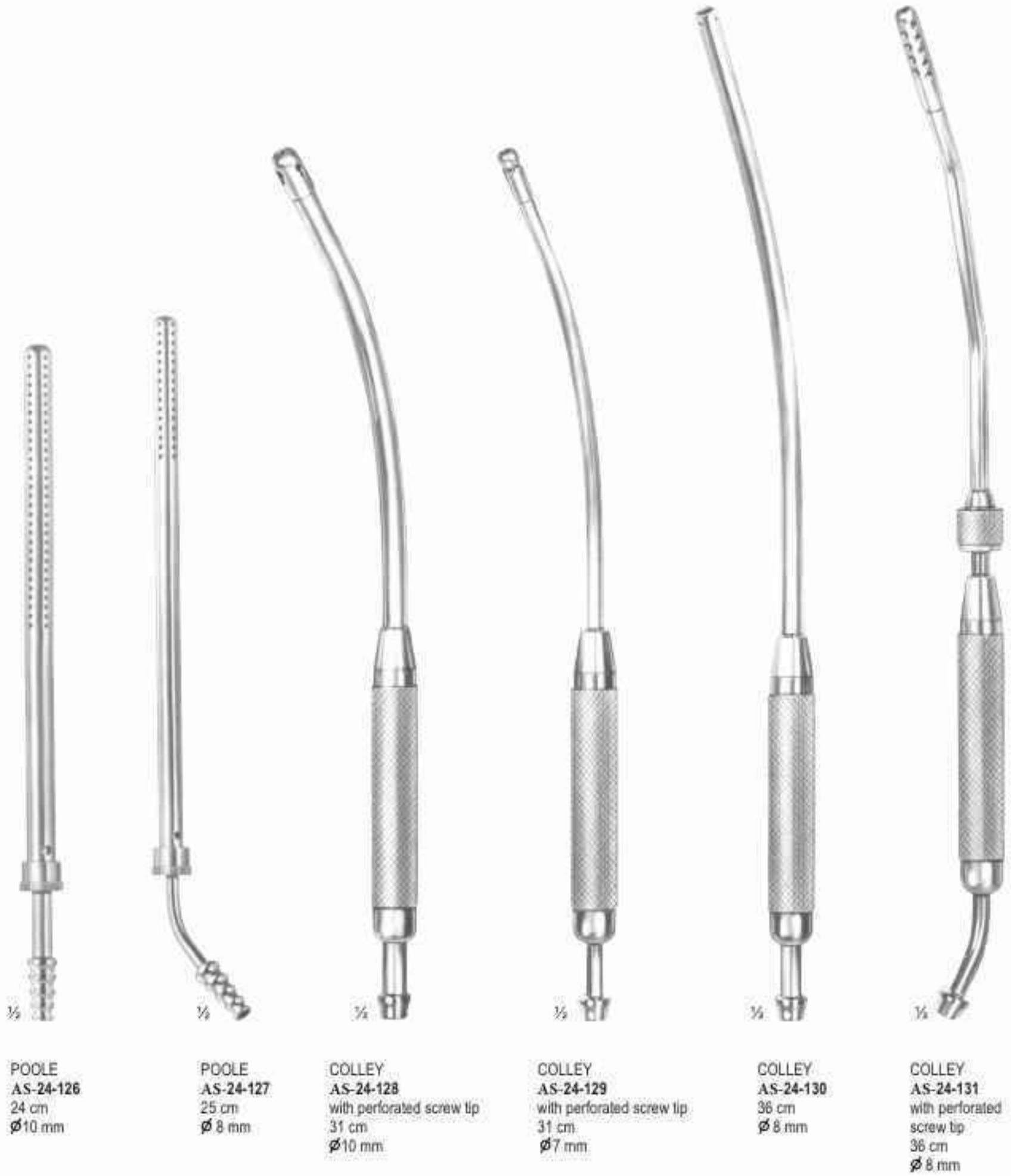
AS-24-116
Hollow needle,
sharp
150 mm

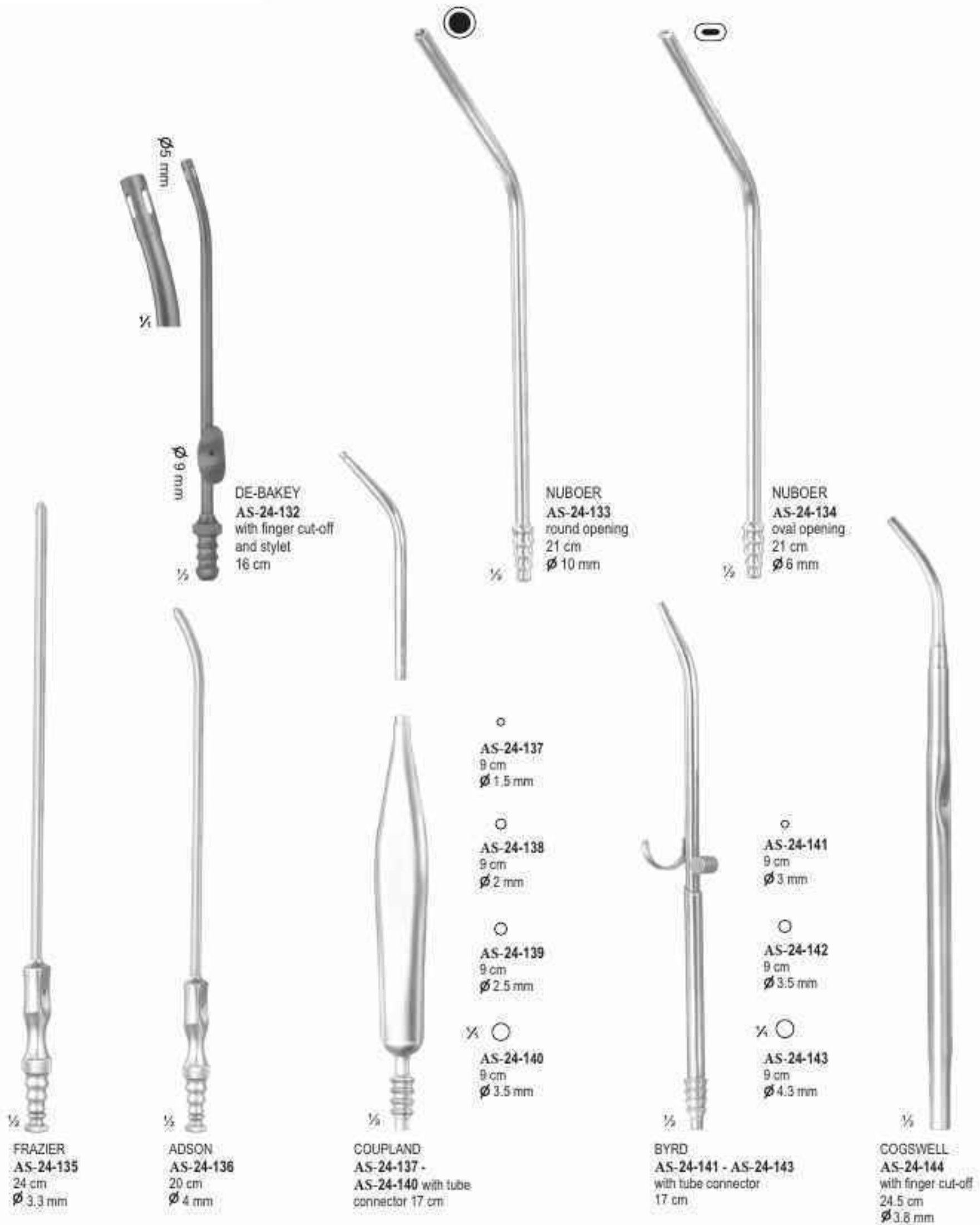
AS-24-117
double curved
For general
surgery
230 mm

AS-24-118
For tonsillectomy,
oral and laryngeal
operations
190 mm

AS-24-119
For tonsillectomy,
oral and laryngeal
operations
220 mm









**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, conical, silver, olive
with LUER hub
16 cm



WULLSTEIN
AS-24-154 1.5 mm
AS-24-155 2 mm
Suction tube, cylindrical, silver, with
stylet with LUER hub
16 cm



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

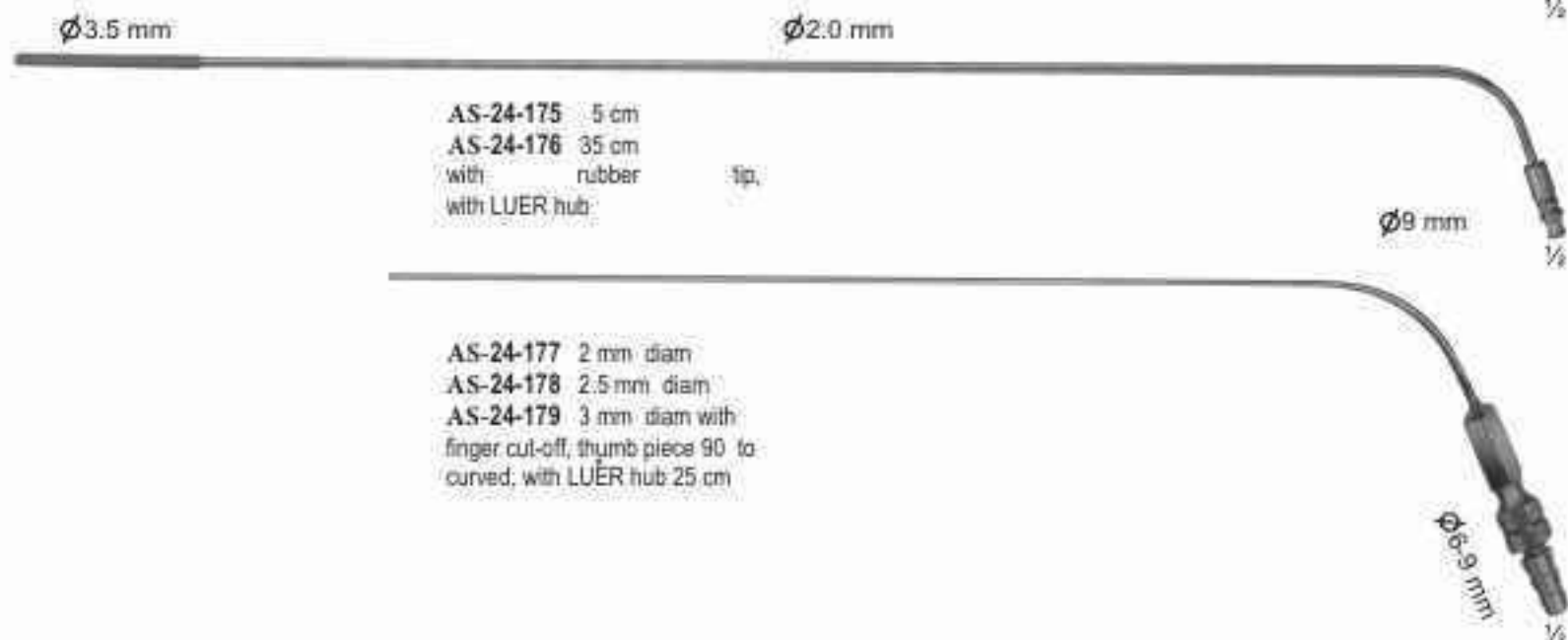
YASARGIL usable length diam.

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

6.5-9 mm
with LUER hub

LANDOLT
AS-24-172 -
AS-24-174 15 cm
diam 3 mm

AS-24-172 8 mm / curved
AS-24-173 11mm / curved
AS-24-174 15mm / curved



IRRIGATION CANNULA





WULLSTEIN
AS-24-188 -
AS-24-190 14 cm
handle with tube, only



WULLSTEIN
AS-24-188
4.5 cm
Micro Suction Cannula
Complete, with handle and 3 tips
Ø 0.4 mm



WULLSTEIN
AS-24-189
4.5 cm
Micro Suction Cannula
Complete, with handle and 3 tips
Ø 0.6 mm



WULLSTEIN
AS-24-190
4.5 cm
Micro Suction Cannula
Complete, with handle and 3 tips
Ø 0.8 mm



BARON-SCHUKNECHT
AS-24-191 - AS-4-193
with finer cut-off

AS-24-191 working
length 75 mm
Ø 1 mm



AS-24-192 working
length 75 mm
Ø 1.5 mm



AS-24-193 working
length 75 mm
Ø 2 mm



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

3/8



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

1/4



AS-24-201
17 cm
ø 1.5 mm



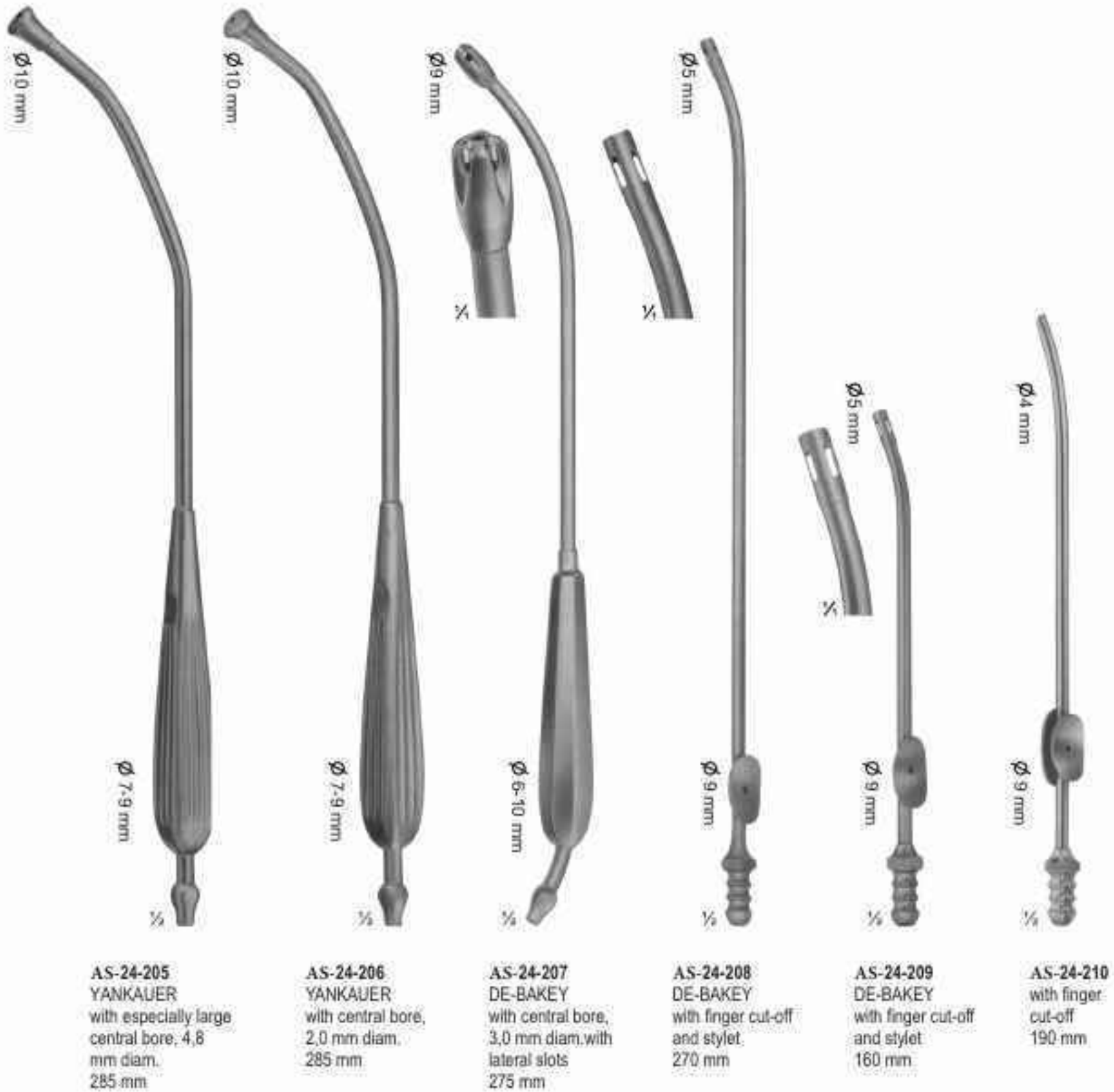
AS-24-202
17 cm
ø 2 mm

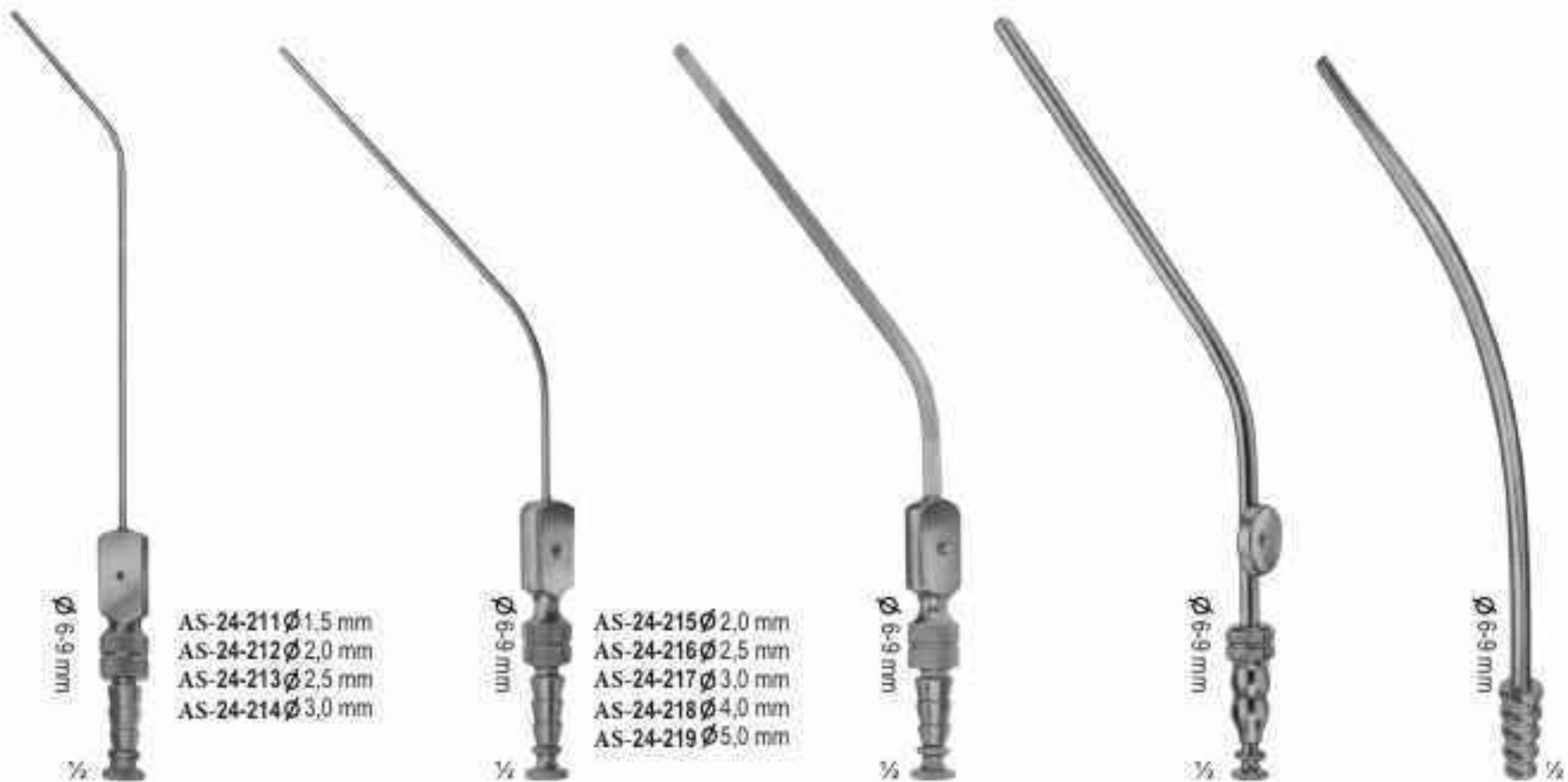


AS-24-203
17 cm
ø 2.5 mm



AS-24-204
17 cm
ø 3.5 mm





**AS-24-211 -
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 4.0 mm
FERGUSON**
insulated, with finger cut-off
and stylet, thumb piece 90°
to curved, with LUER hub
180 mm

**AS-24-221 3.0 mm
AS-24-222 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 Ø4,5 mm
AS-24-225 Ø5,5 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 styel
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