




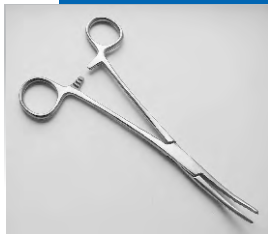




Ultimate Perfection



SURGICAL INSTRUMENTS CATALOGUE

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Probes
Cotton Applicators
Suture Clips
Clip Applying Forceps
And Removing Forceps

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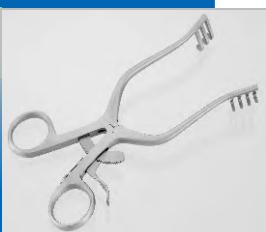
08



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09



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Abdominal Retractors

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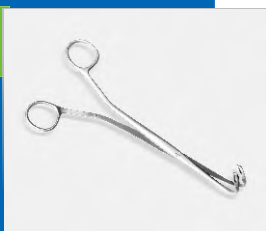
10



Abdominal Surgery
Intestinal and Rectal Instruments

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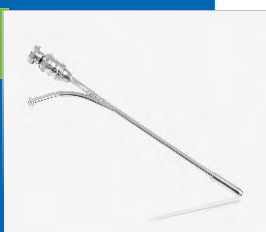
11



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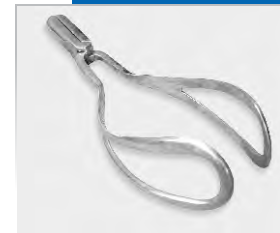
Dilators
Biopsy Instruments And Curettes
Uterine Probes, Uterine Dressing - Tenaculum
Ovum Forceps
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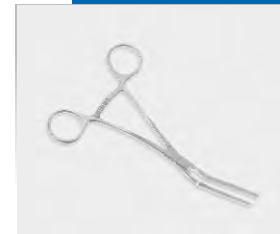
Obstetrics
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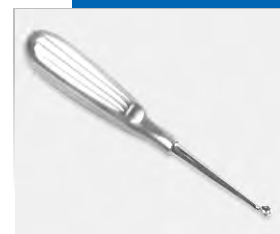
Bone Punches
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17

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Elevators Bone
Levers
Raspatories
Bone Files
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Mallets
Tempers, Chisels, Gouges
Bone Holding Forceps
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Bone Cutting Forceps
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Bone Biopsy Instruments
Finger Nail Instruments

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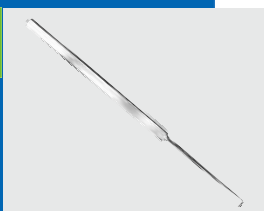
20



Plaster Instruments

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21



NeuroSurgery
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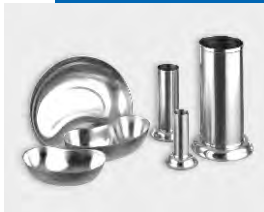
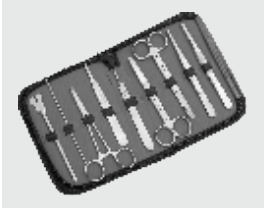
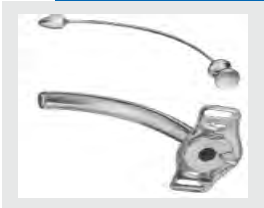
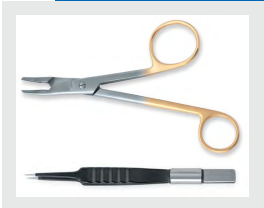


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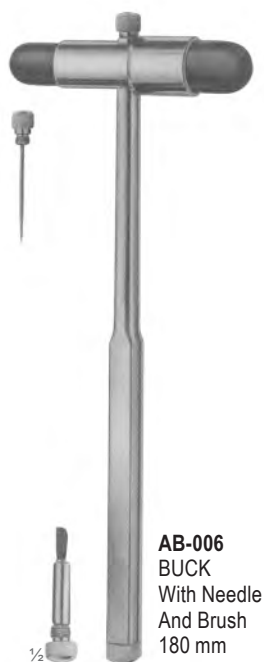


Sterilization Containers, Wire Basket & Cassettes

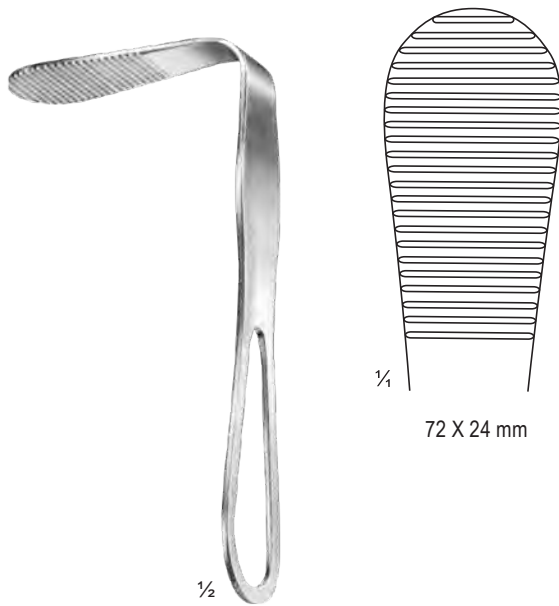
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- Aesthesiometers Tongue
- Depressors Diagnostic Sets
- Examination & Measuring Instruments
- Dissecting Knives
- Scalpels, Tenotomes &
- Resection Knives

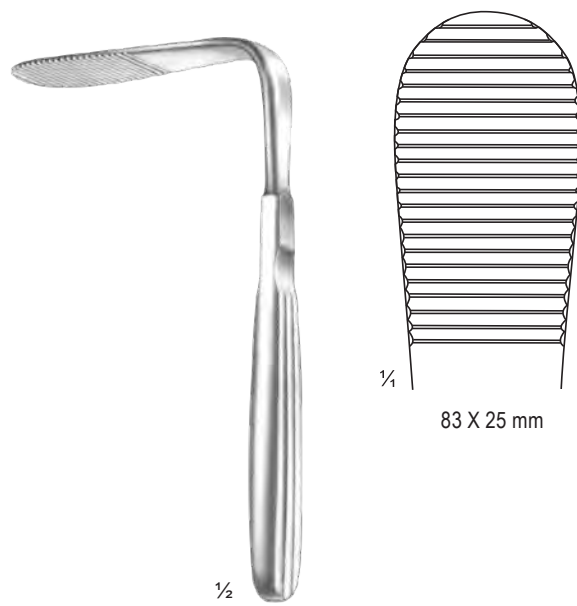


TONGUE DEPRESSORS



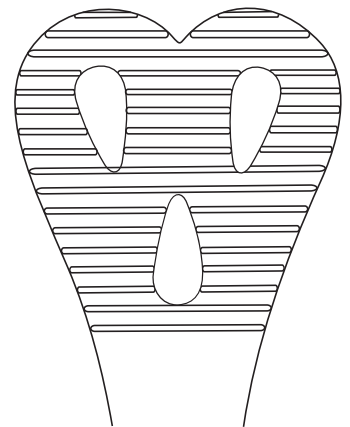
AB-010
HARTMANN
150 mm

72 X 24 mm



AB-011
TOBOLD
150 mm

83 X 25 mm



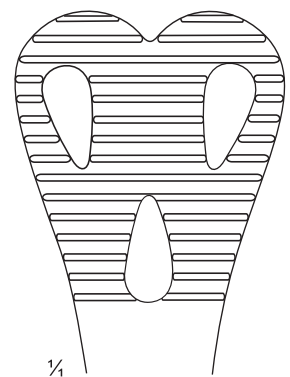
AB-013
15 cm
43 mm



AB-012
TOBOLD
160 mm



AB-013 - AB-014
WIEDER



AB-014
140 mm
36 mm



AB-015
150 mm



AB-016
145 mm



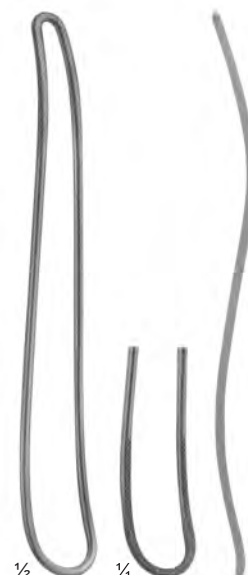
AB-017
140 mm



AB-018
BUCHWALD
180 mm



AB-019
BRUNINGS
190 mm



AB-020
FRENZEL
165 mm



AB-021
SIMPLEX
110 mm



AB-022
STEMBERG
120 mm, 140 mm, 160 mm



AB-023
TOBOLD
145 mm



AB-024
ANDREW
110 mm



AB-025-1
150 mm



AB-025
140 mm



AB-025
WIEDER

INSTRUMENTS FOR ANAESTHESIA AND TONGUE FORCEPS



AB-026
HEISTER
Mouth Gag
Size: 130 mm



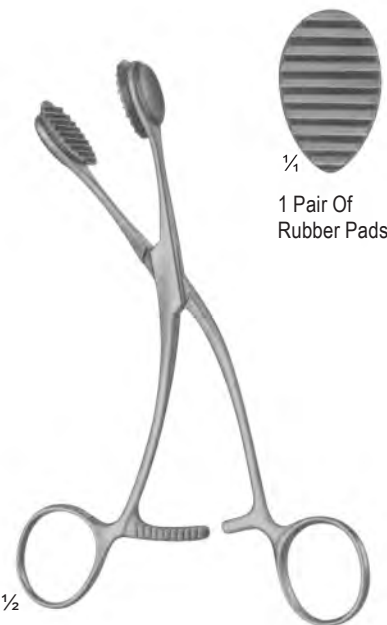
AB-027
FERGUSON-ACKLAND
Mouth Gag
Size: 145 mm



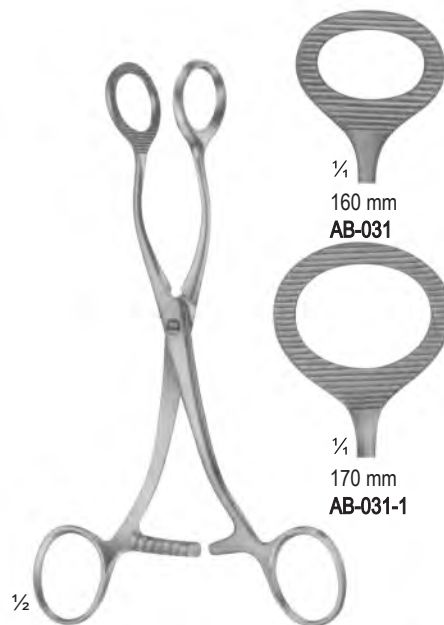
AB-028
DENHARDT
Mouth Gag With Silicon
Inserts, Interchangeable
Size: 125 mm



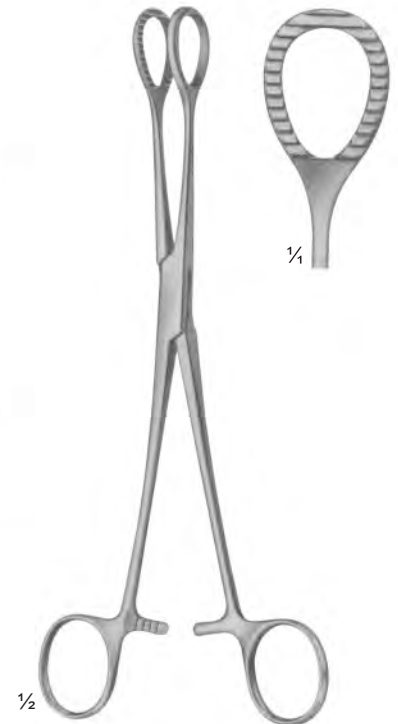
AB-029
ROSER KONIG
Mouth Gag
Size: 160 mm,
185 mm



AB-030
YOUNG
165 mm



AB-031
COLLIN
160 mm, 170 mm



AB-032
HEYWOOD-SMITH modif.
215 mm



AB-033
Infants
150 mm



AB-034
Children
200 mm



AB-035
Adults
250 mm

1/2



AB-033 - AB-035
MAGILL



AB-036
TUBING CLAMP
7", 8"
180 mm, 200 mm



1/2

AB-037
Medium battery handle
only, 25 mm diam.



AB-038
Spare bulb
2.7 volt, for
otoscopes



AB-039
Spare bulb
2.6 volt, for
ophthalmoscopes



AB-040
Otoscope Set, Consists Of
Battery Handle Without Batteries,
3 Ear Specula, 1 Bulb In Velvet Lined Case



AB-041
Diagnostic Set, Otoscope With Three Specula,
Nasal Speculum, Lamp Holder, Two Laryngeal
Mirrors, Tongue Blade Holder

DIAGNOSTIC SETS (LARYNGOSCOPE)



1/3

AB-042

MILLER

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



Fig. 1



Fig. 2

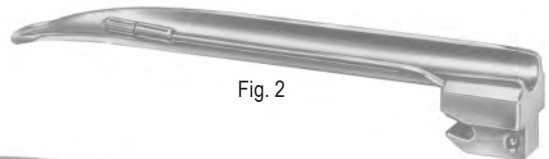


Fig. 3



Fig. 4



1/2

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



1/3

AB-043

GUEDEL-NEGUS

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

Fig. 1

Fig. 2

Fig. 3

Fig. 4



1/2

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



AB-044

McIntosh

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

AB-045

McIntosh

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



Fig. 0



Fig. 1



Fig. 2



Fig. 3



Fig. 4

1/2

Fig. 0 Working Length, 55 mm (Baby's)
Fig. 1 Working Length, 75 mm (Children's)
Fig. 2 Working Length, 90 mm (Adolescent's)
Fig. 3 Working Length, 110 mm (Women's)
Fig. 4 Working Length, 135 mm (Men's)



AB-046

6GER

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

AB-047

FOREGGER

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



Fig. 1



Fig. 2



Fig. 3



Fig. 4

1/2

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



AB-048

Fiber Optic
Battery Handle

1/2



AB-049

Fiber Optic
Battery Handle

1/2



AB-050

Replacement Lamp
(Krypton) 2.5 V

1/4



AB-051

Replacement Lamp
(Halogen) 2.5 V

1/4

EXAMINATION & MEASURING INSTRUMENTS



AB-052
Boley



Metal: **AB-053**
Wax : **AB-054**
Double Side Marking
Iwanson



AB-055
CAROLL
140 mm



AB-056
TOWNLEY
100 mm



AB-057
BERTILLON
Caliper For Measuring The Head
320 mm



AB-058
CASTROVIEJO
Caliper



AB-059
MOLTGEN
Goniometer



AB-060 - AB-069
Fig. 1 - 10



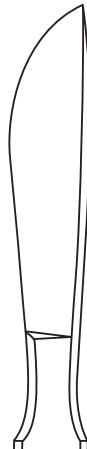
AB-060
Fig. 1



AB-061
Fig. 2



AB-062
Fig. 3



AB-063
Fig. 4



AB-064
Fig. 5



AB-065
Fig. 6



AB-066
Fig. 7



AB-067
Fig. 8

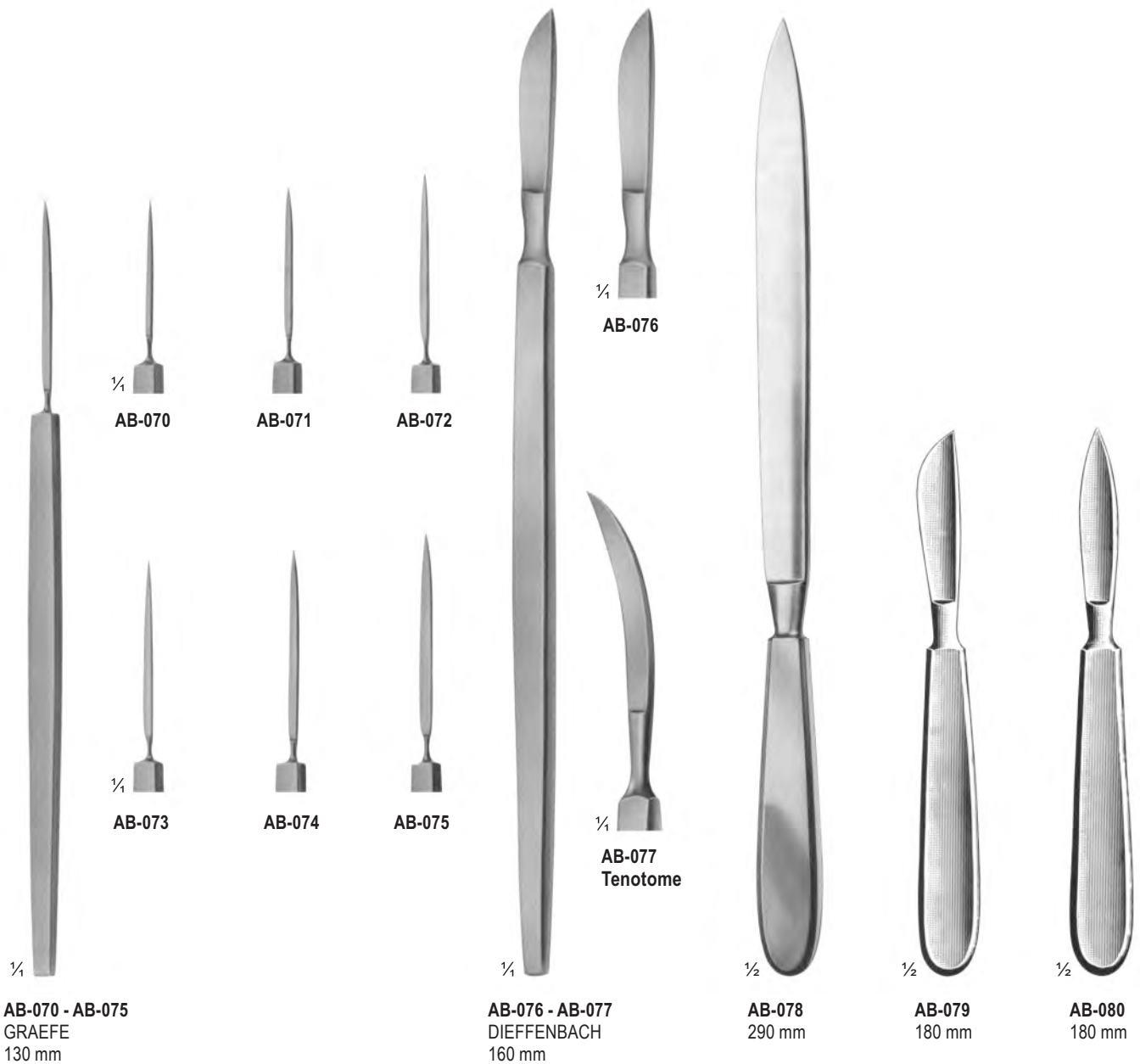


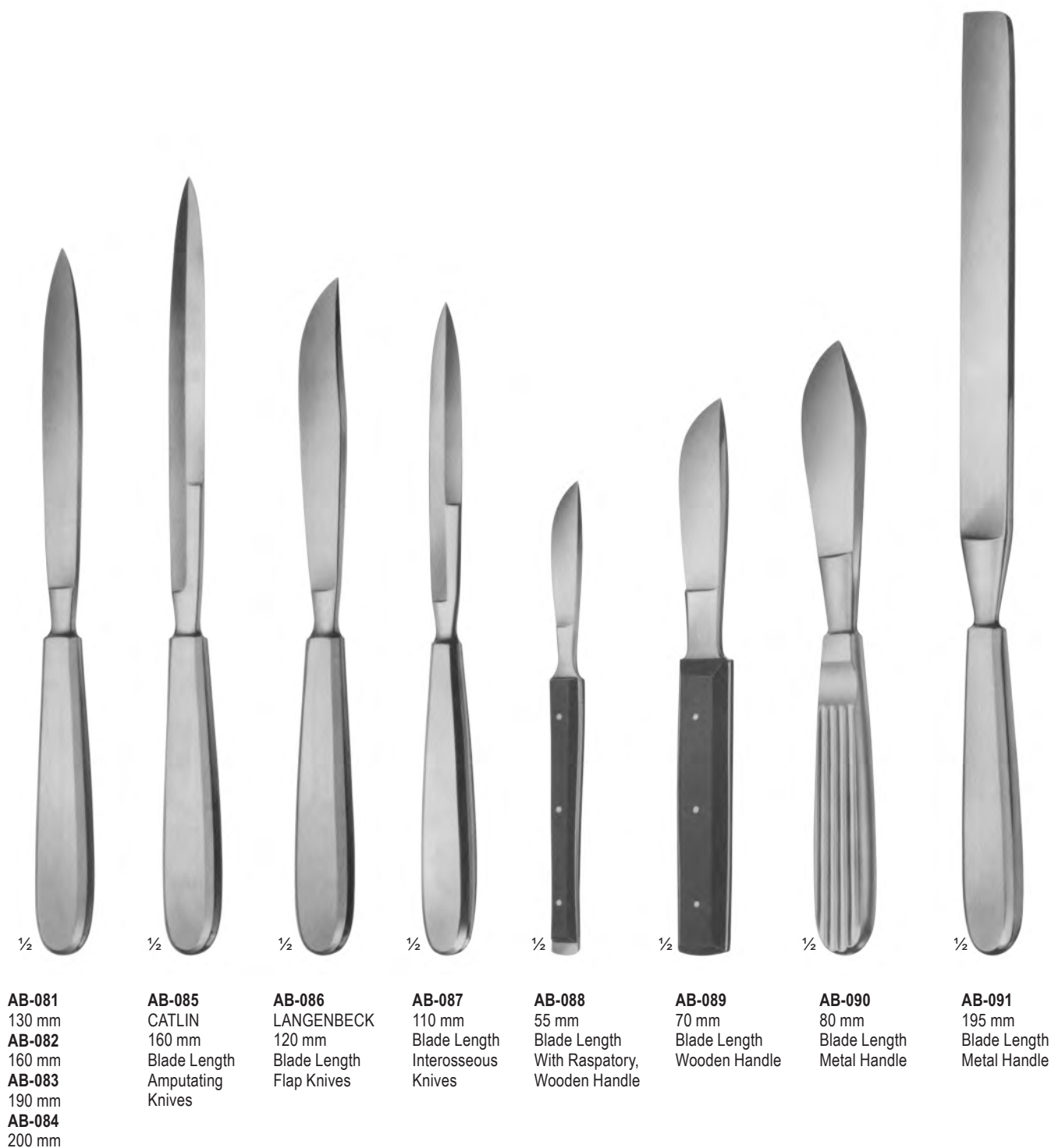
AB-068
Fig. 9



AB-069
Fig. 10

SCALPELS, TENOTOMES & RESECTION KNIVES





Blade Length
Amputating Knives

CONE KNIVES, MYOMATOME, TRIGEMINAL & TONSIL KNIVES



AB-092
AYRE
235 mm
Cone Knife

AB-093
230 mm
Cone Knife

AB-094
SEGOND
270 mm
Myomatome

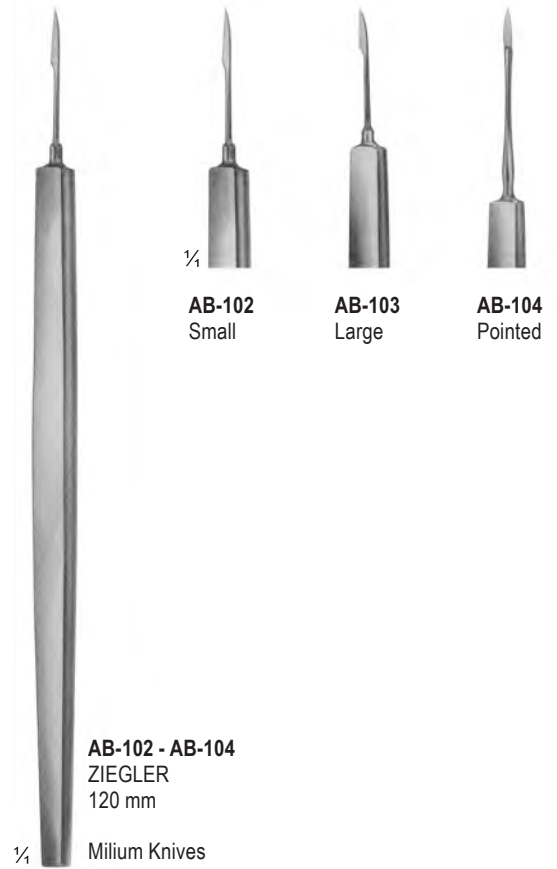
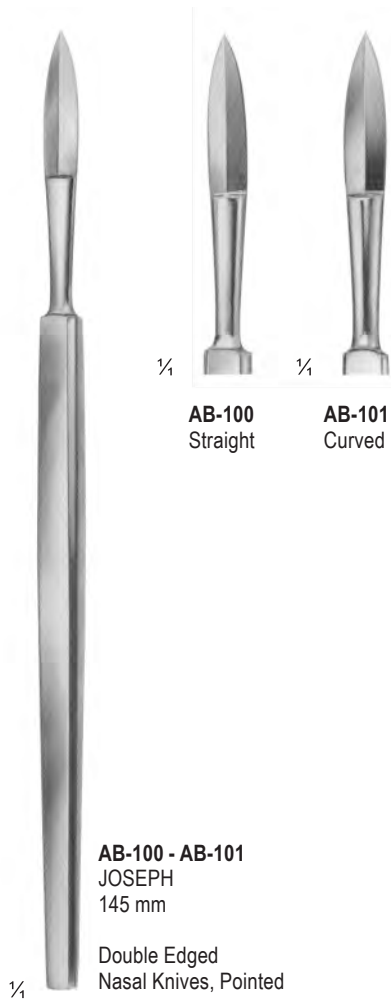
AB-095
OLIVECRONA
205 mm
Trigeminal
Knife

AB-096
230 mm
Trigeminal
Knife

AB-097
FOWLER
200 mm
Tonsil Knife

AB-098
ABRAHAM
215 mm
Tonsil Knife

AB-099
BRUNINGS
215 mm
Tonsil Knife



SCALPEL HANDLES



AB-109
STANDARD
No. 4
Solid

AB-110
Double Handle
No. 4 + No. 3
Solid

AB-111
No. 4 L
Straight
Solid

AB-112
No. 4 L
Solid Angled

AB-113
COLLIN
No. 8
Hollow

AB-114
COLLIN
No. 9
Hollow

AB-115
Plastic



AB-116
STANDARD
No. 3
Solid



AB-117
No. 3
Solid



AB-118
No. 3
Solid



AB-119
No. 3 L
Straight
Solid



AB-120
No. 3 L
Angled
Solid

SCALPEL HANDLES



AB-121
No. 7
Solid

1/4



AB-122
No. 7 K
Solid

1/4



AB-123
Hollow-Round

1/4



AB-124
No. 3
Straight
Solid

1/4



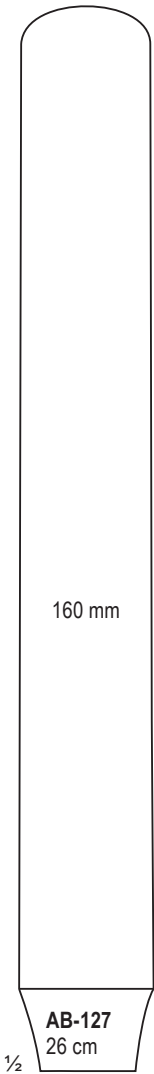
AB-125
25.5 cm



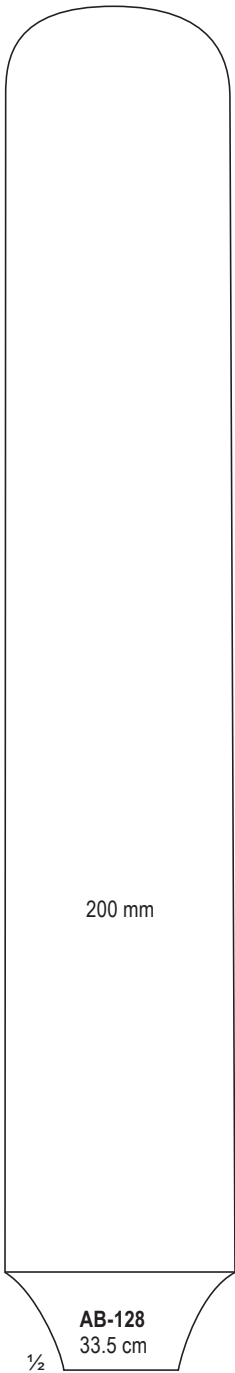
AB-126
VIRCHOW



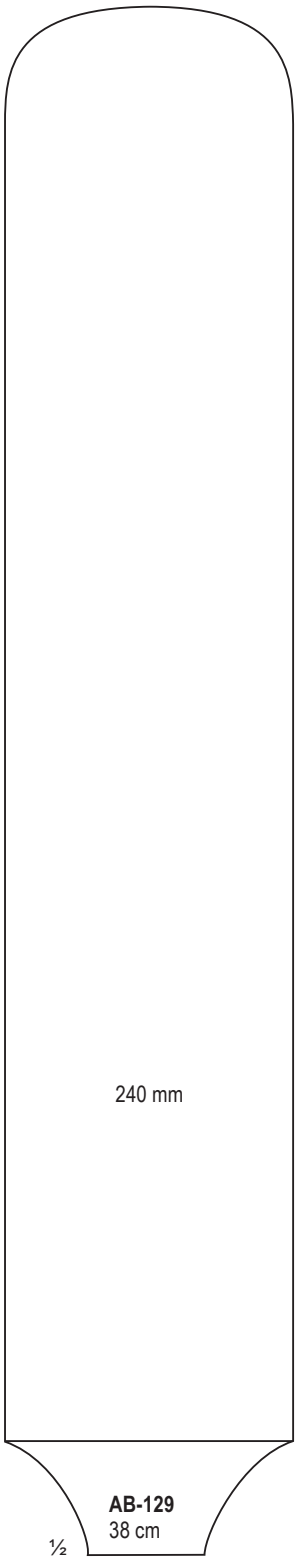
AB-127 - AB-129
VIRCHOW



AB-127
26 cm



AB-128
33.5 cm



AB-129
38 cm

RAZOR BLADE HOLDERS & BREAKERS



AB-130
TROUTMAN-CHRIS
9 cm



AB-131
TROUTMAN-CHRIS
9 cm



AB-132
11 cm



AB-133
CASTROVIEJO
13 cm



AB-134
18.5 cm



**HUMBY
AB-135**
32 cm



**HUMYB
AB-135**



**AB-136
SCHINK**
30 cm



**SCHINK
AB-136**



**AB-137
SILVER**
19.5 cm

GUM, PHALANGEAL AND SKIN GRAFTING KNIVES



AB-138
PARKER



AB-139

9.5 cm

11 cm



AB-140
COBBETT



AB-141
BRAITHWATTE



Spare Blade



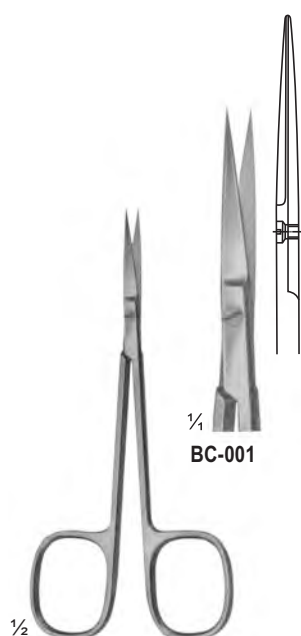
AB-142
HUMBY
35 cm



AB-143
WATSON
30 cm

Page
22–70

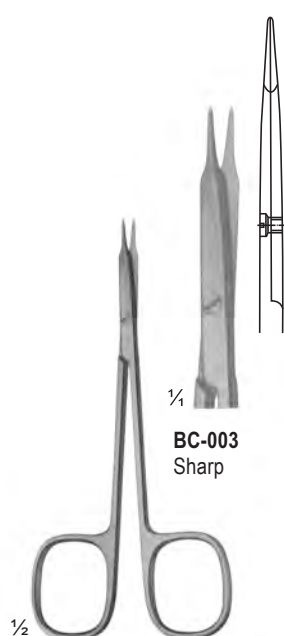
○ Scissors



BC-001

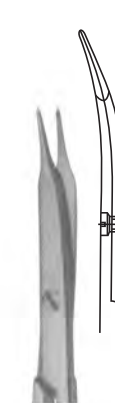


BC-002

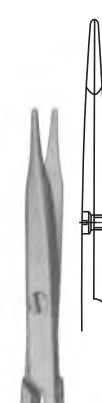


$\frac{1}{4}$

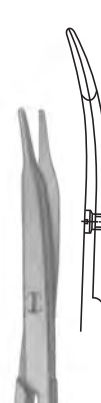
BC-003
Sharp



BC-004
Sharp



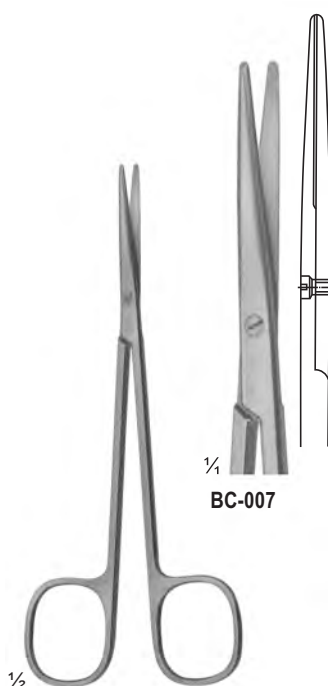
BC-005
Blunt



BC-006
Blunt

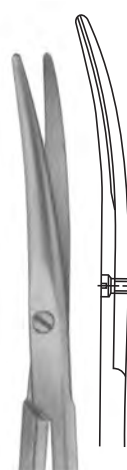
BC-001 - 002
120 mm

BC-003 - 006
STEVENS
Dissecting Scissors
115 mm

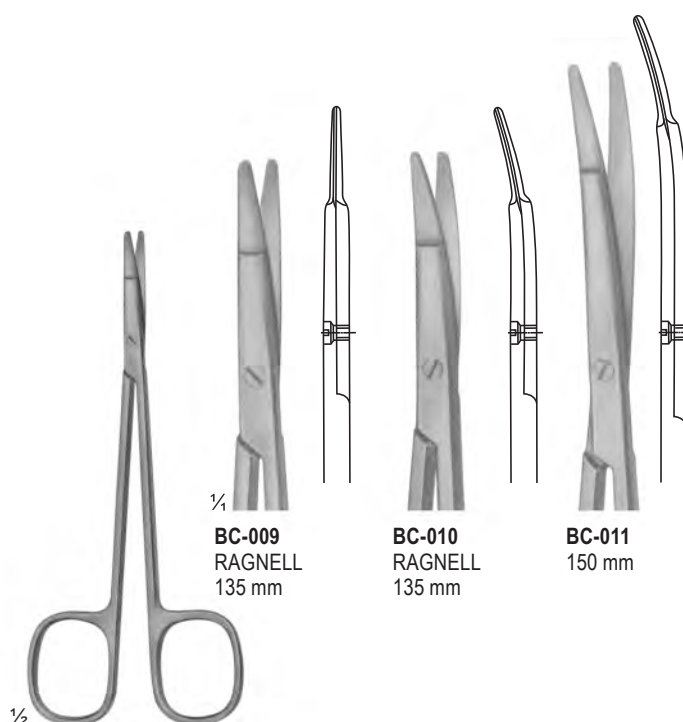


$\frac{1}{4}$

BC-007



BC-008



$\frac{1}{4}$

BC-009
RAGNELL
135 mm

BC-010
RAGNELL
135 mm

BC-011
150 mm

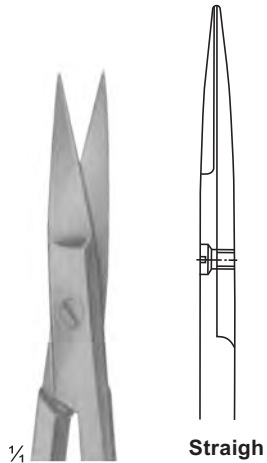
BC-007 - 008
METZENBAUM
Dissecting Scissors
145 mm

BC-009 - 011
Special flat points for
dissecting and
undermining the skin
145 mm

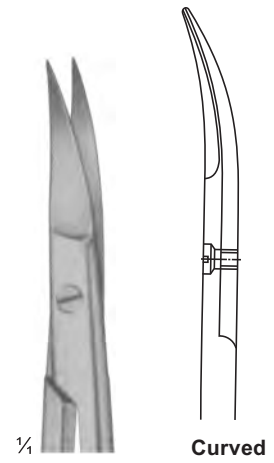
DELICATE SCISSORS



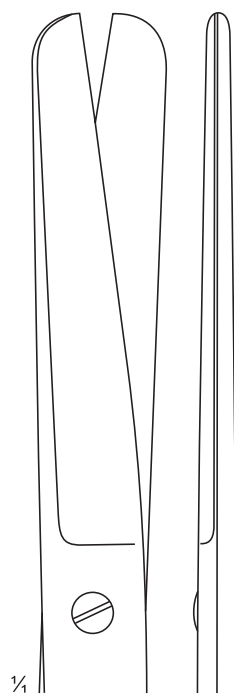
KELLY
BC-012
175 mm
BC-012-1
155 mm



KELLY
BC-013
175 mm
BC-013-1
155 mm

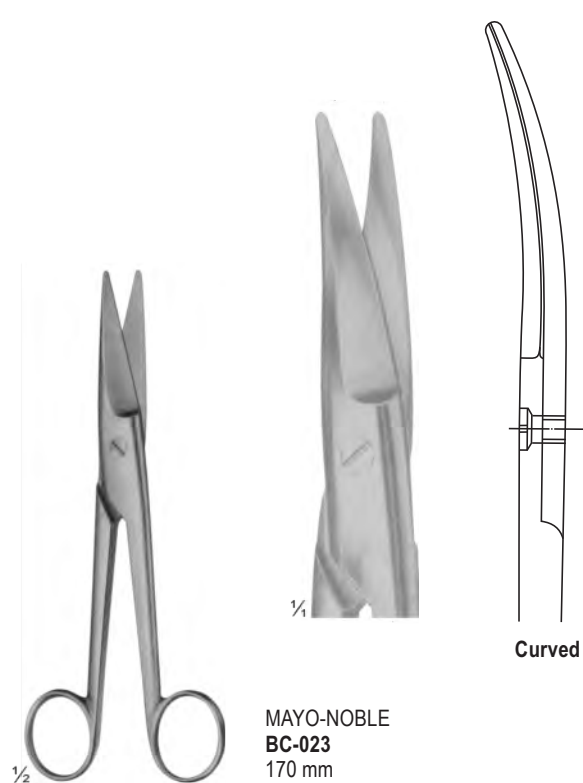
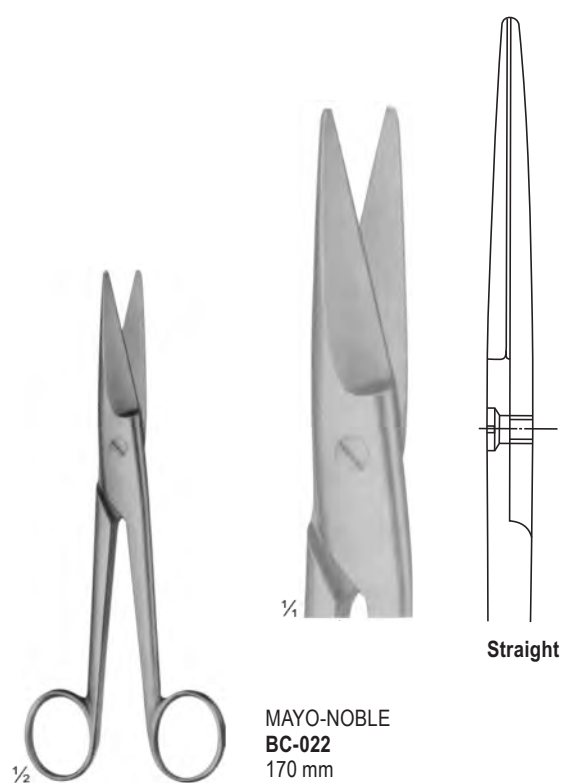
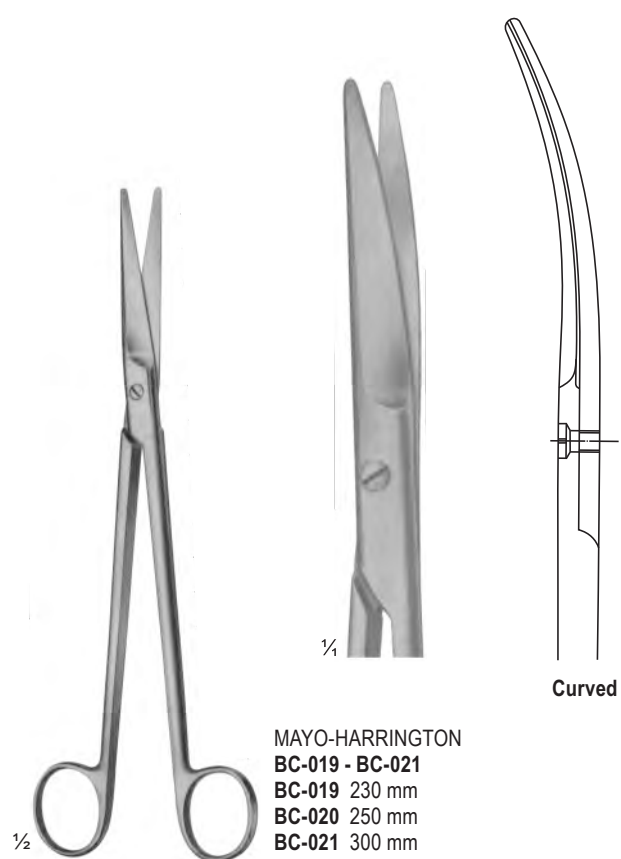
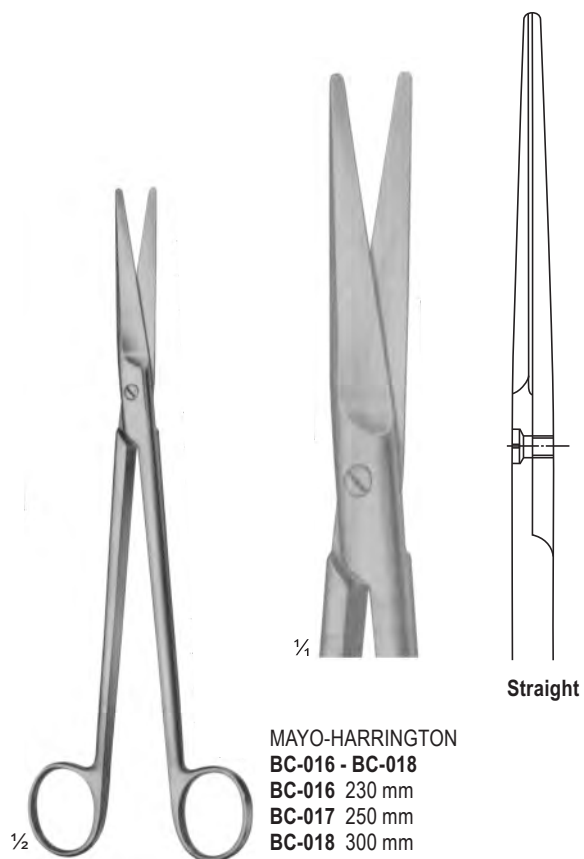


DOYEN
BC-014
185 mm



DOYEN
BC-015
185 mm

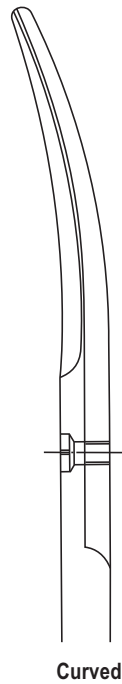




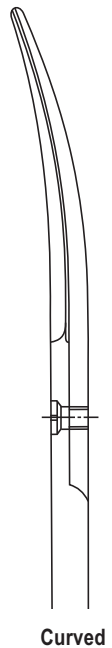
OPERATING AND GYNAECOLOGY SCISSORS

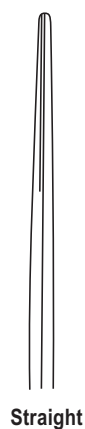


SIMS
BC-024 - BC-026
BC-024 200 mm
BC-025 210 mm
BC-026 230 mm



WERTHEIM
BC-027 - BC-029
BC-027 145 mm
BC-028 200 mm
BC-029 230 mm





Straight

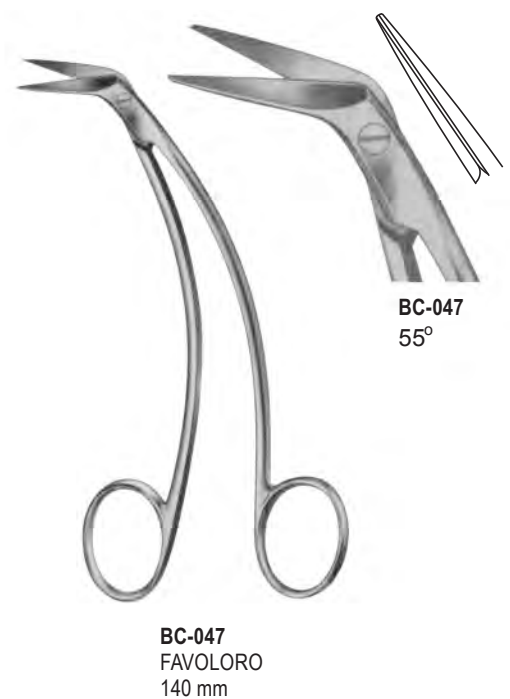
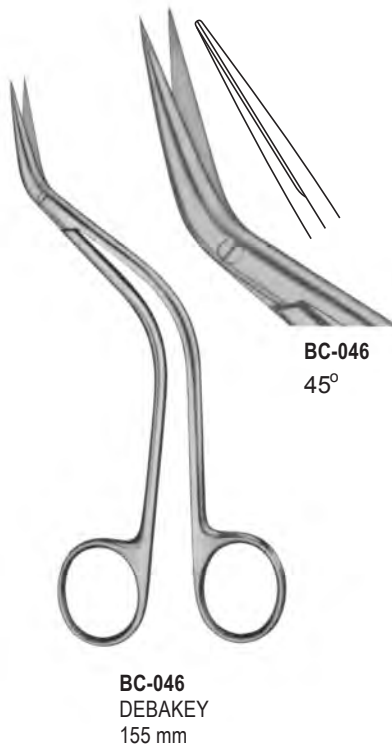
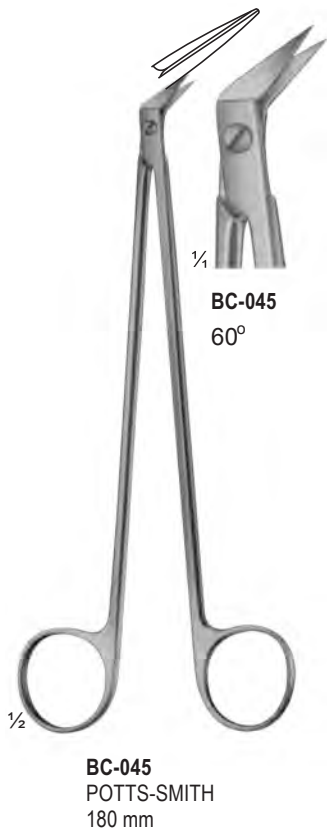
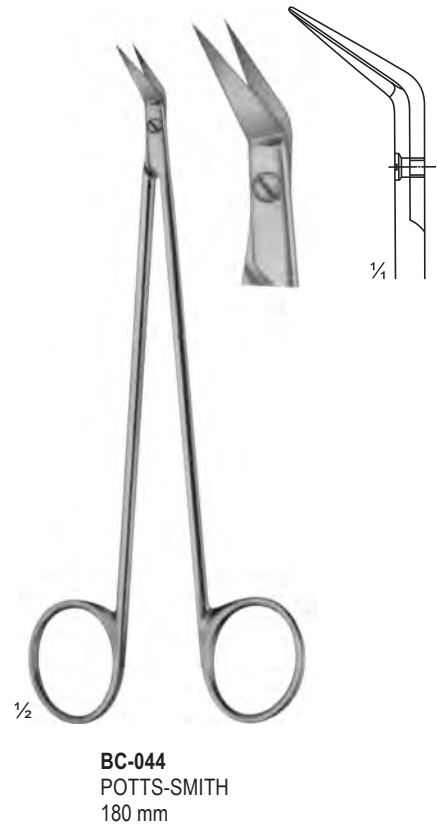
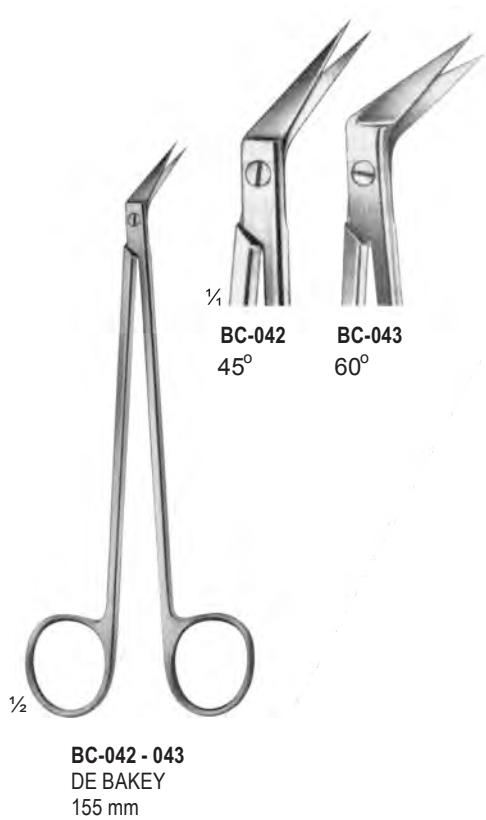
FINO-METZENBAUM
BC-030 - BC-035
BC-030 180 mm
BC-031 200 mm
BC-032 230 mm
BC-033 260 mm
BC-034 280 mm
BC-035 300 mm

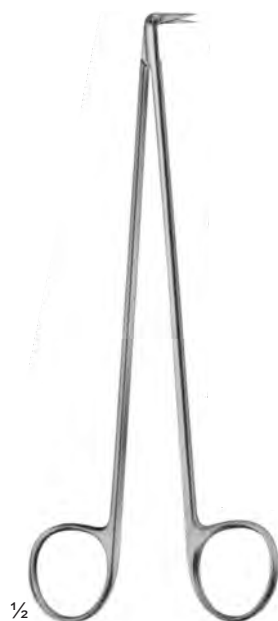


Curved

FINO-METZENBAUM
BC-036 - BC-041
BC-036 180 mm
BC-037 200 mm
BC-038 230 mm
BC-039 260 mm
BC-040 280 mm
BC-041 300 mm

VESSEL SCAISSORS





DIETRICH
BC-048 - 052



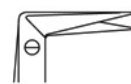
BC-048
190 mm
25°



BC-049
185 mm
45°



BC-050
175 mm
60°



BC-051
175 mm
90°



BC-052
175 mm
120°



MIKRO-HEGEMANN
BC-053 - 057
185 mm



BC-053
25°



BC-054
45°



BC-055
60°



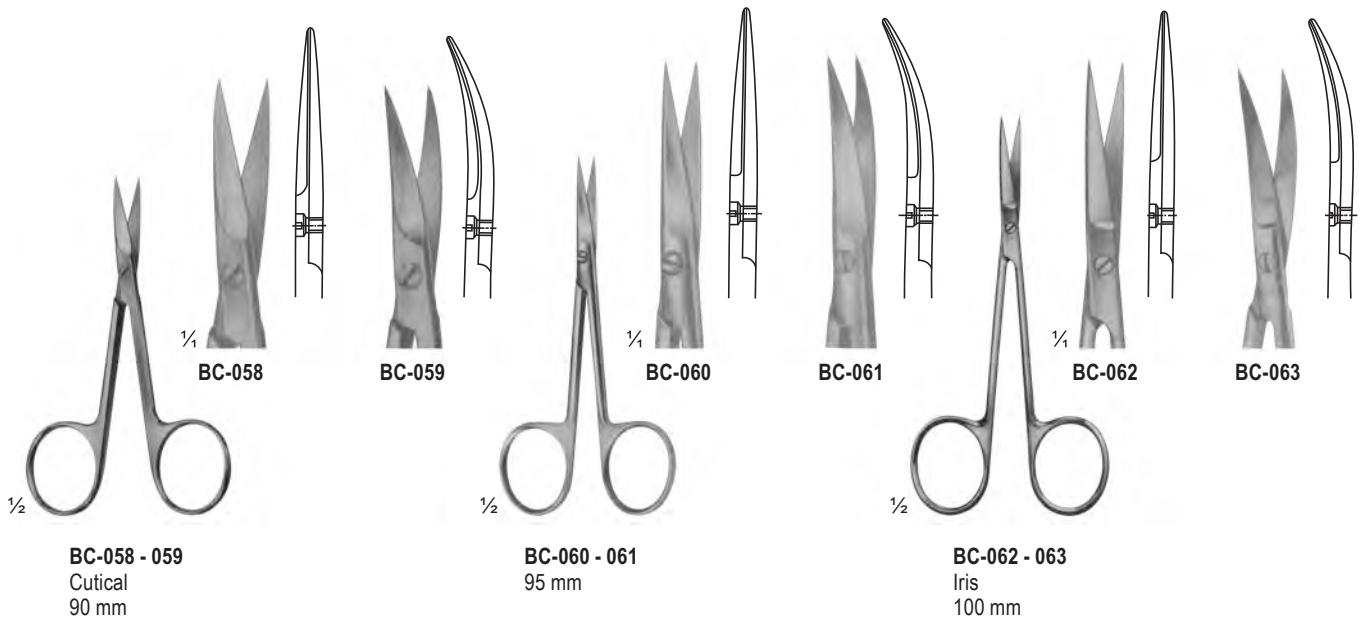
BC-056
90°



BC-057
120°

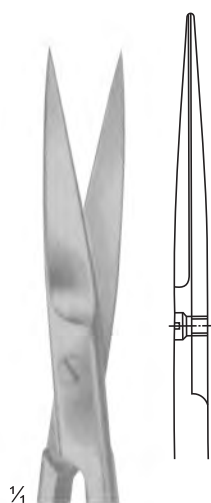


DELICATE SCISSORS

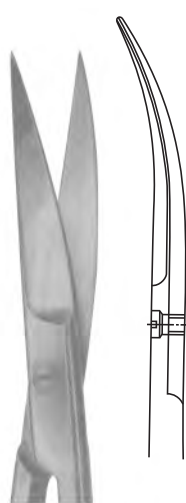




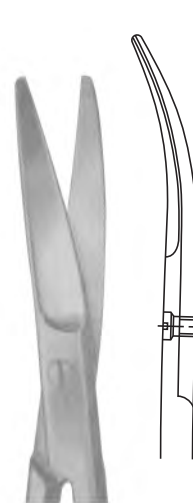
BC-068 - 070
Fine Operating Scissors
120 mm



BC-068



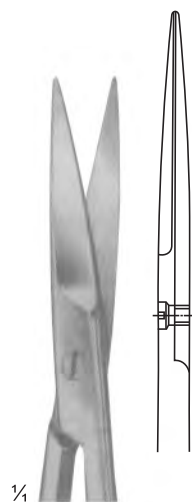
BC-069



BC-070



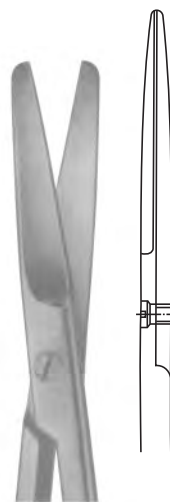
BC-071 - 074
Fine Operating Scissors
130 mm



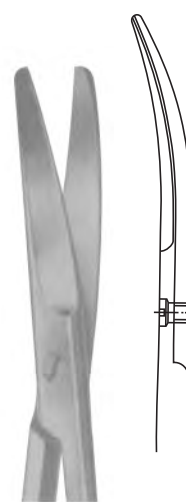
BC-071



BC-072

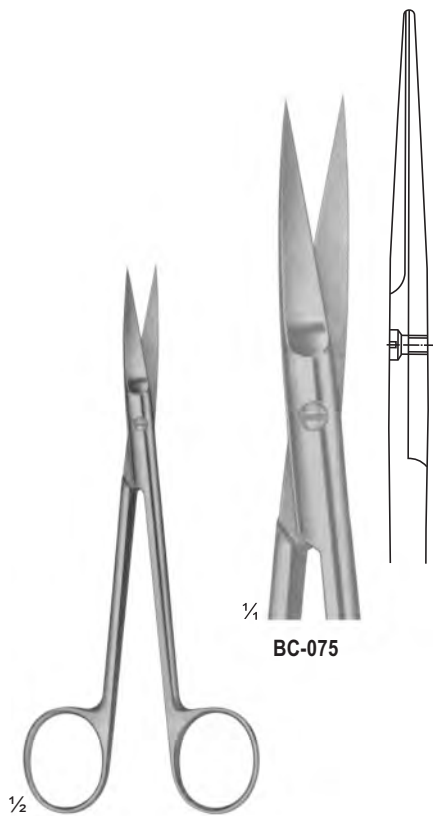


BC-073



BC-074

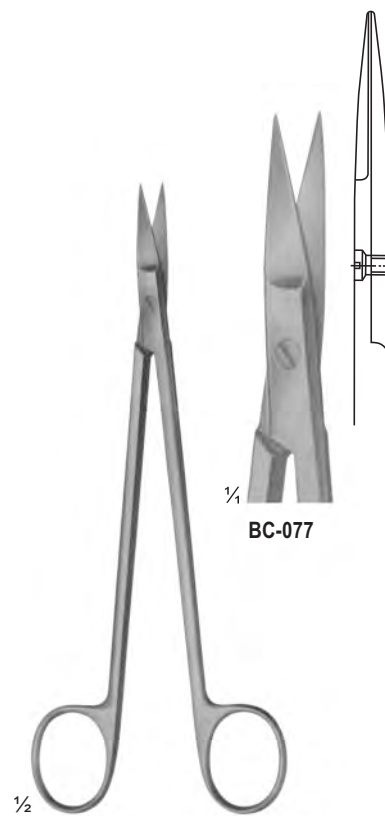
DELICATE SCISSORS



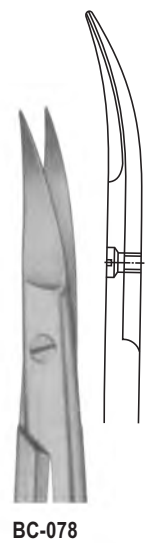
BC-075
JOSEPH
150 mm



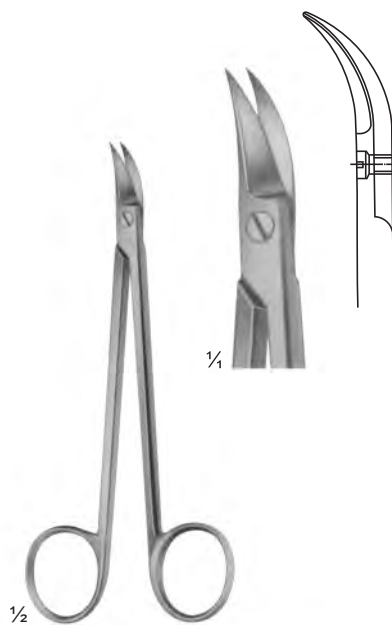
BC-076
KELLY
175 mm



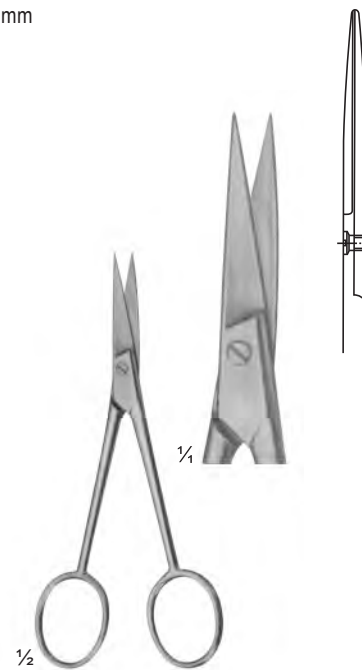
BC-077
JOSEPH
150 mm



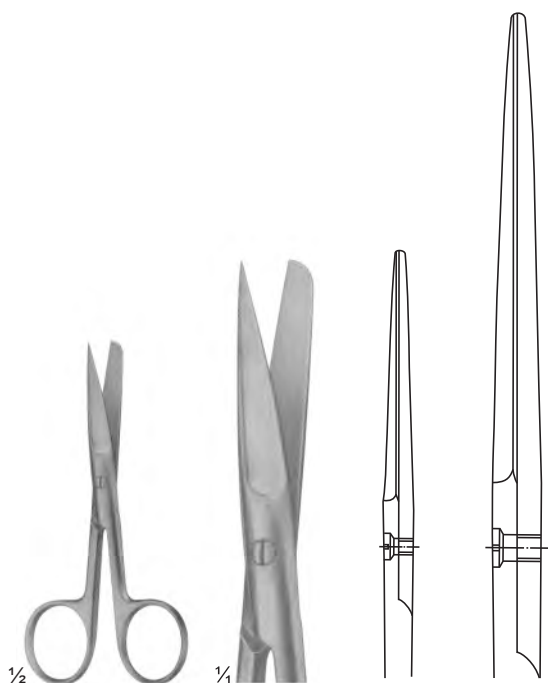
BC-078
KELLY
175 mm



BC-079
QUINBY
130 mm



BC-080
Dissecting
110 mm

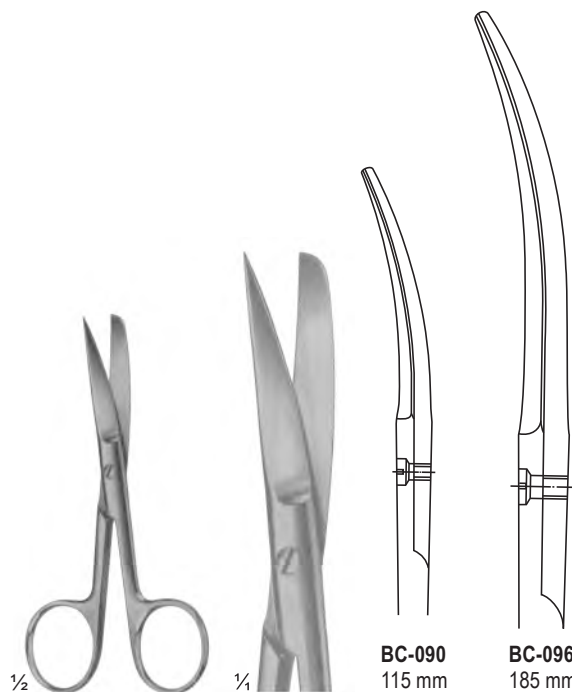


BC-081 - 089 (Standard Types)

BC-081 (105 mm)
BC-082 (115 mm)
BC-083 (130 mm)
BC-084 (145 mm)
BC-085 (150 mm)
BC-086 (165 mm)
BC-087 (175 mm)
BC-088 (185 mm)
BC-089 (200 mm)

BC-081
105 mm

BC-089
200 mm

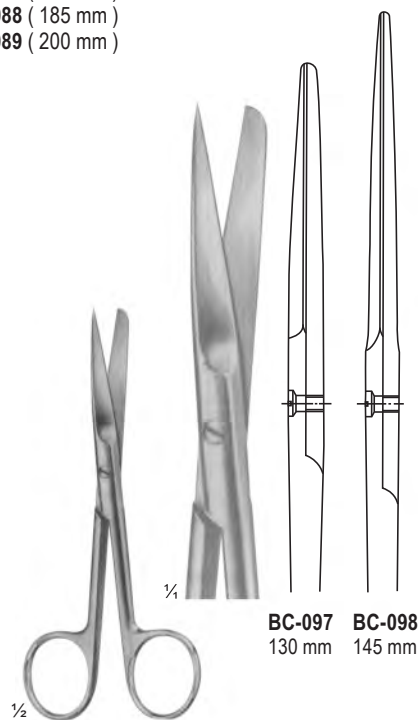


BC-090 - 095 (Standard Types)

BC-090 (115 mm)
BC-091 (130 mm)
BC-092 (145 mm)
BC-093 (150 mm)
BC-094 (165 mm)
BC-095 (175 mm)
BC-096 (185 mm)

BC-090
115 mm

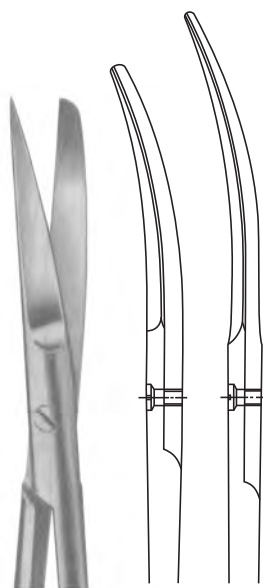
BC-096
185 mm



BC-097 - 100
Slender Types

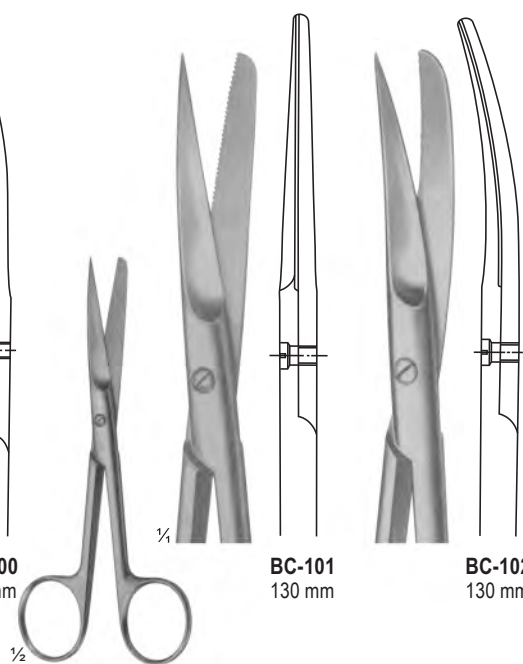
BC-097
130 mm

BC-098
145 mm



BC-099
130 mm

BC-100
145 mm

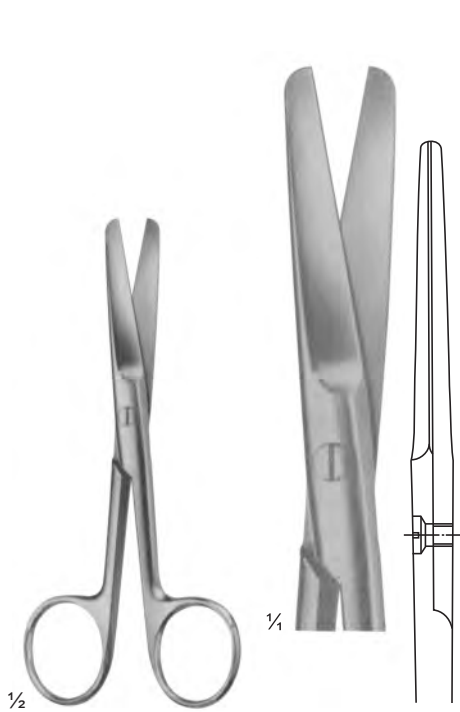


BC-101
130 mm

BC-102
130 mm

BC-101 - 102
For Wound Edges
1 Blade Serrated

SURGICAL SCISSORS

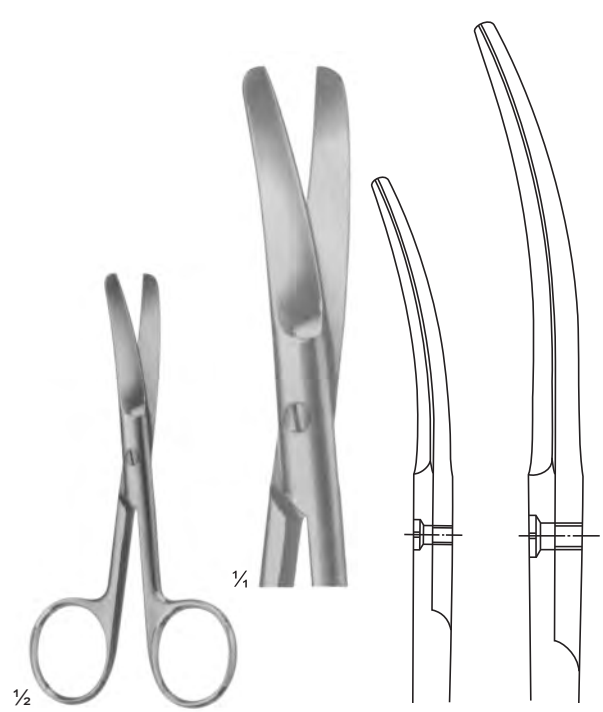


BC-103 - 107 (Standard Types)

BC-103 (130 mm)
BC-104 (145 mm)
BC-105 (150 mm)
BC-106 (165 mm)
BC-107 (175 mm)

BC-103
130 mm

BC-107
175 mm

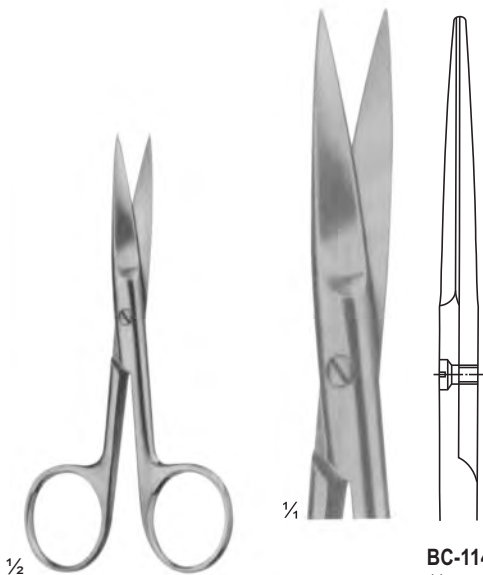


BC-108 - 113 - COOPER
Standard Types

BC-108 (115 mm)
BC-109 (130 mm)
BC-110 (145 mm)
BC-111 (150 mm)
BC-112 (165 mm)
BC-113 (175 mm)

BC-108
115 mm

BC-113
175 mm

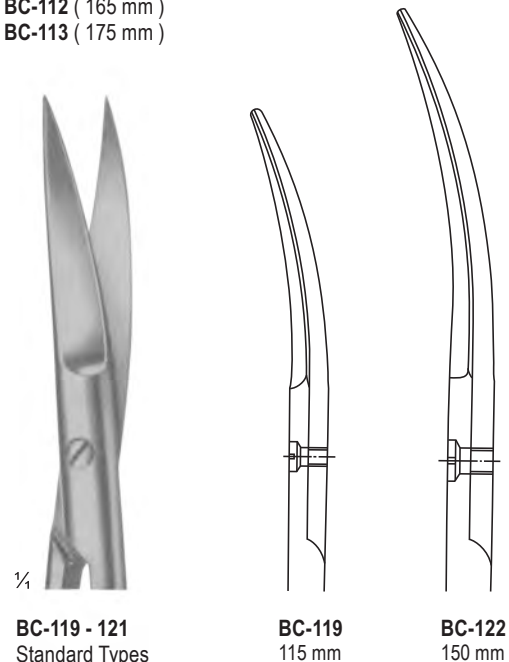


BC-114 - 118

Standard Types
BC-114 (115 mm)
BC-115 (130 mm)
BC-116 (145 mm)
BC-117 (150 mm)
BC-118 (165 mm)

BC-114
115 mm

BC-118
165 mm



BC-119 - 121

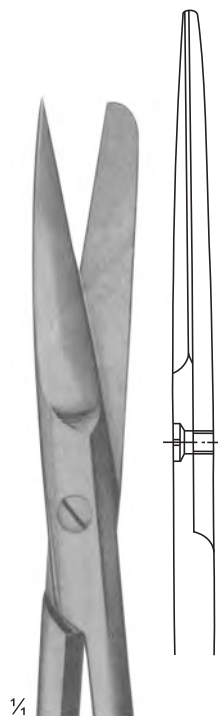
Standard Types
BC-119 (115 mm)
BC-120 (130 mm)
BC-121 (145 mm)
BC-122 (150 mm)

BC-119
115 mm

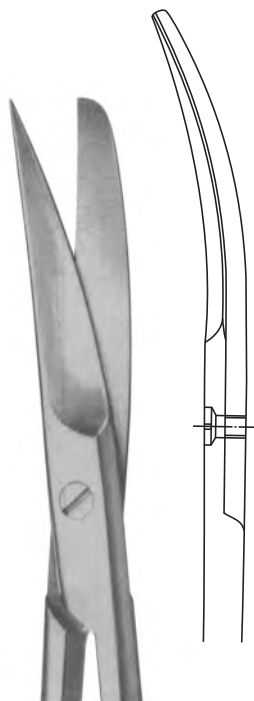
BC-122
150 mm



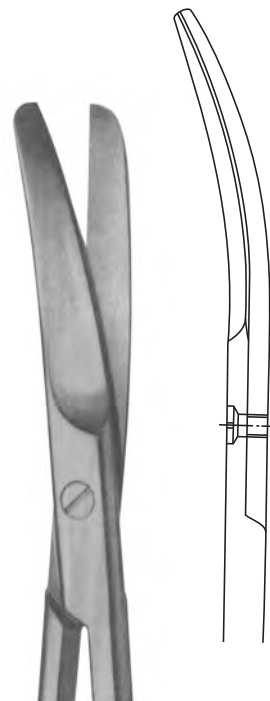
BC-123 - 125
DEAVER
With flat lock



BC-123
145 mm



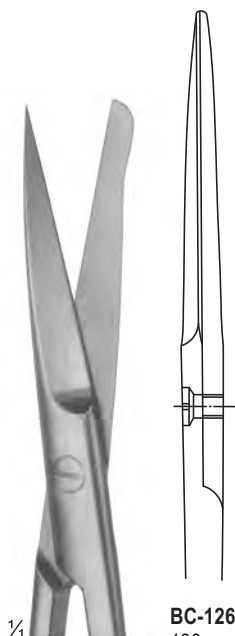
BC-124
145 mm



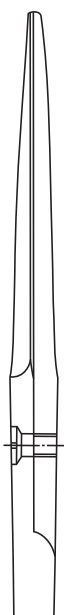
BC-125
145 mm



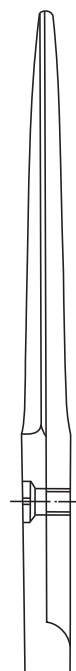
BC-126 - 128
Incision Scissors



BC-126
130 mm



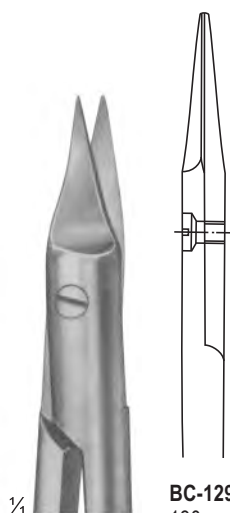
BC-127
145 mm



BC-128
165 mm

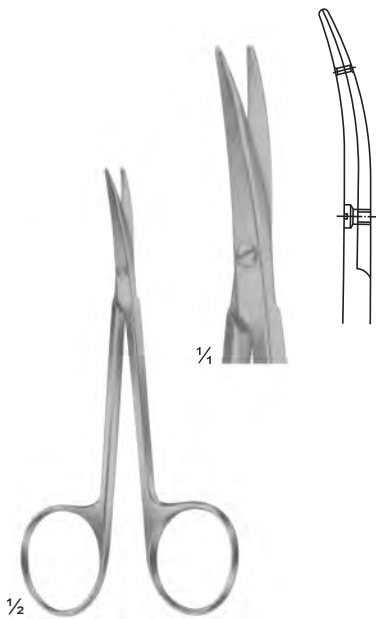


BC-129
SYSTRUNK
Nail Splitting Scissors

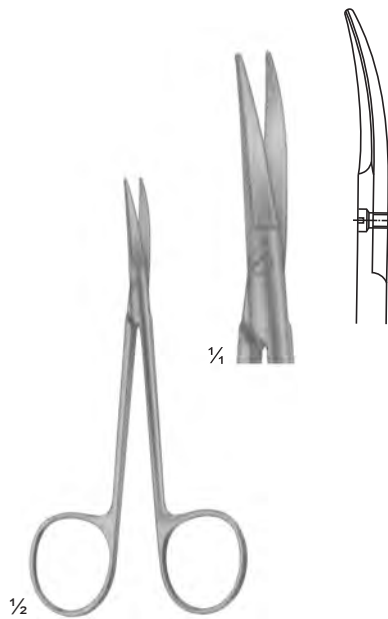


BC-129
130 mm

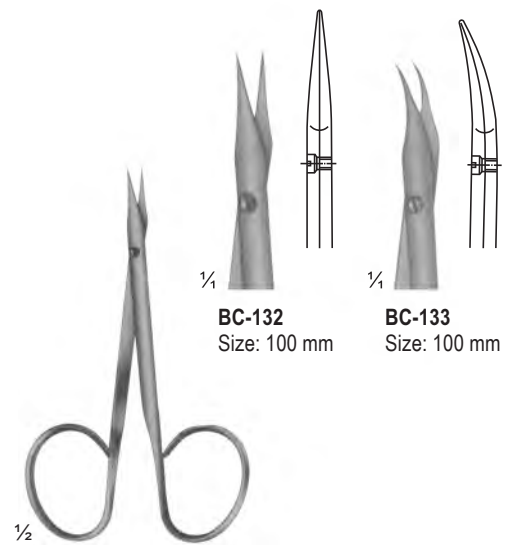
DISSECTING SCISSORS



BC-130
LITTLER
Dissecting Scissors
Tips with eye for suture
115 mm



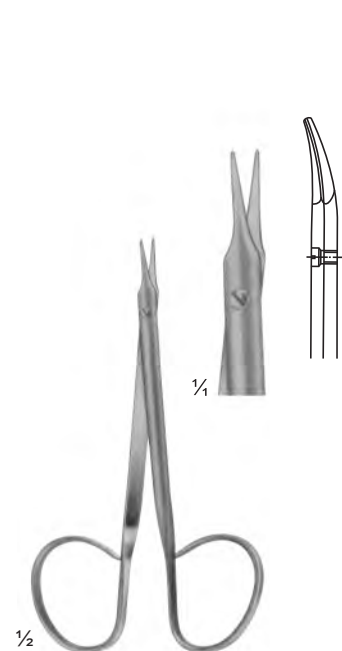
BC-131
COTTLE
Bulldog Scissors
115 mm



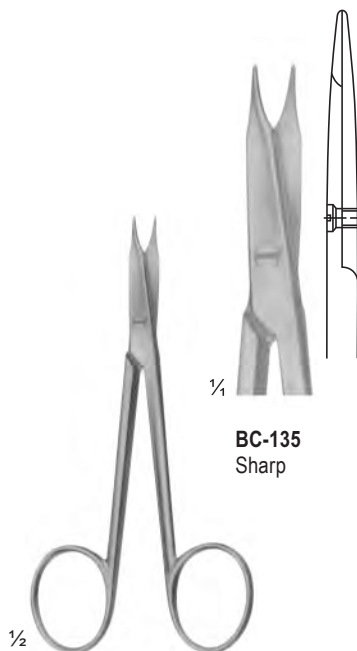
BC-132
Size: 100 mm

BC-133
Size: 100 mm

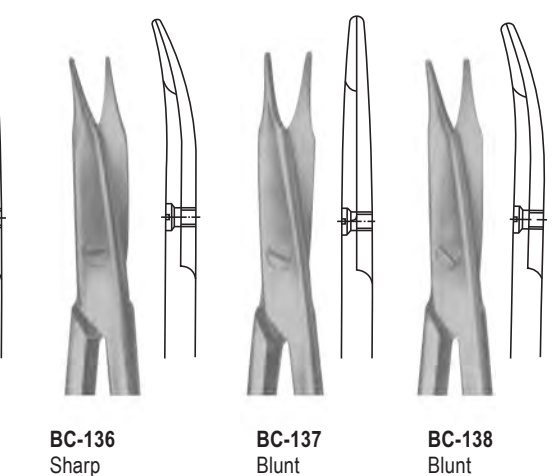
BC-132 - 133
STEVENS
Vessel and tendon Scissors
100 mm



BC-134
STEVENS
Fine Dissecting Scissors
110 mm



BC-135 - 138
STEVENS
Vessel and tendon Scissors
110 mm

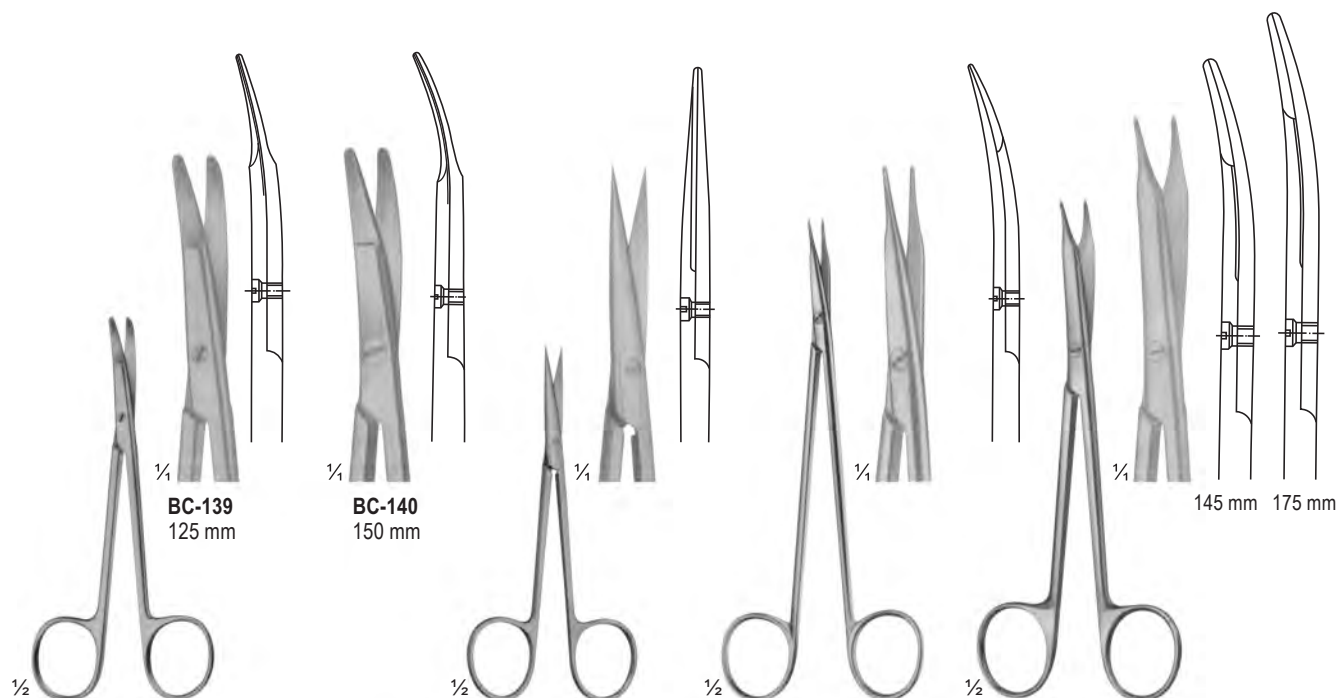


BC-135
Sharp

BC-136
Sharp

BC-137
Blunt

BC-138
Blunt

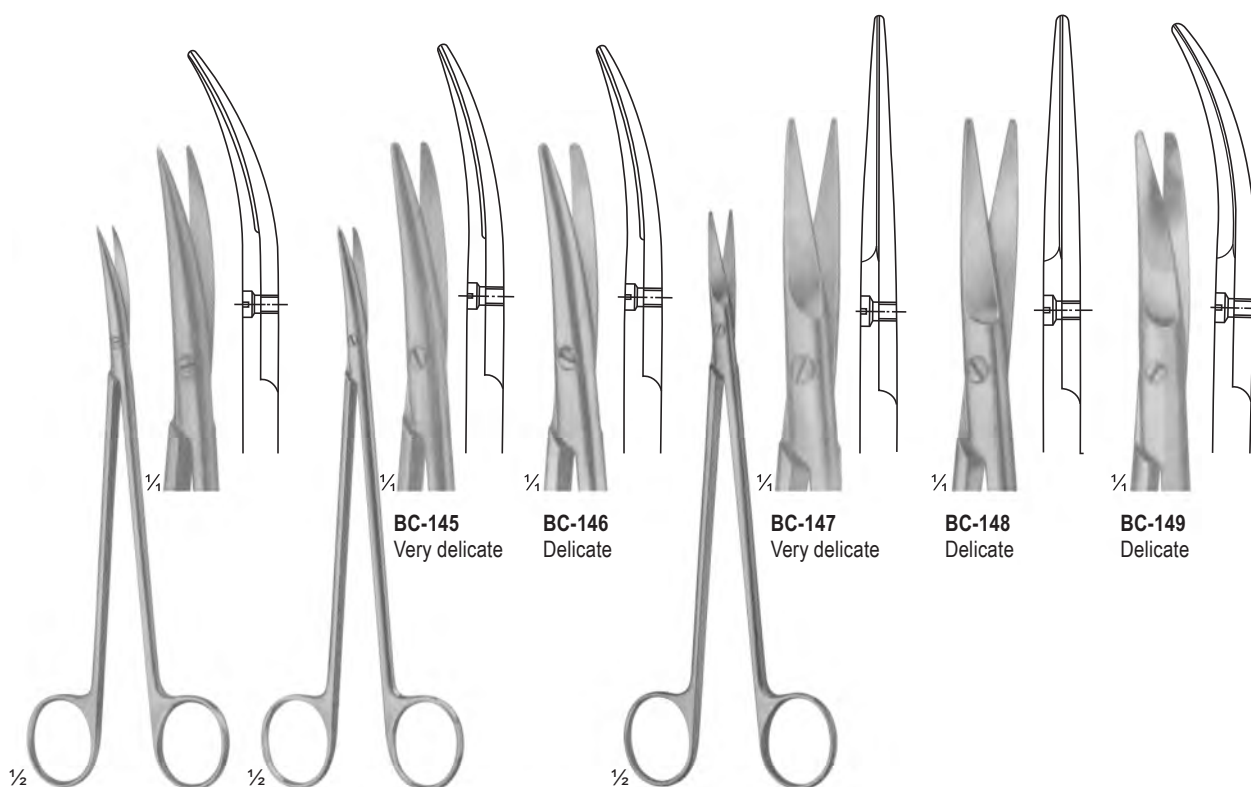


BC-139 - 140
KILNER
Special flat points for dissecting
and undermining the skin

BC-141
KILNER
Fine dissecting scissors
115 mm

BC-142
JAMESON
Dissecting scissors
150 mm

BC-143
REYNOLDS
Dissecting scissors
145 - 175 mm

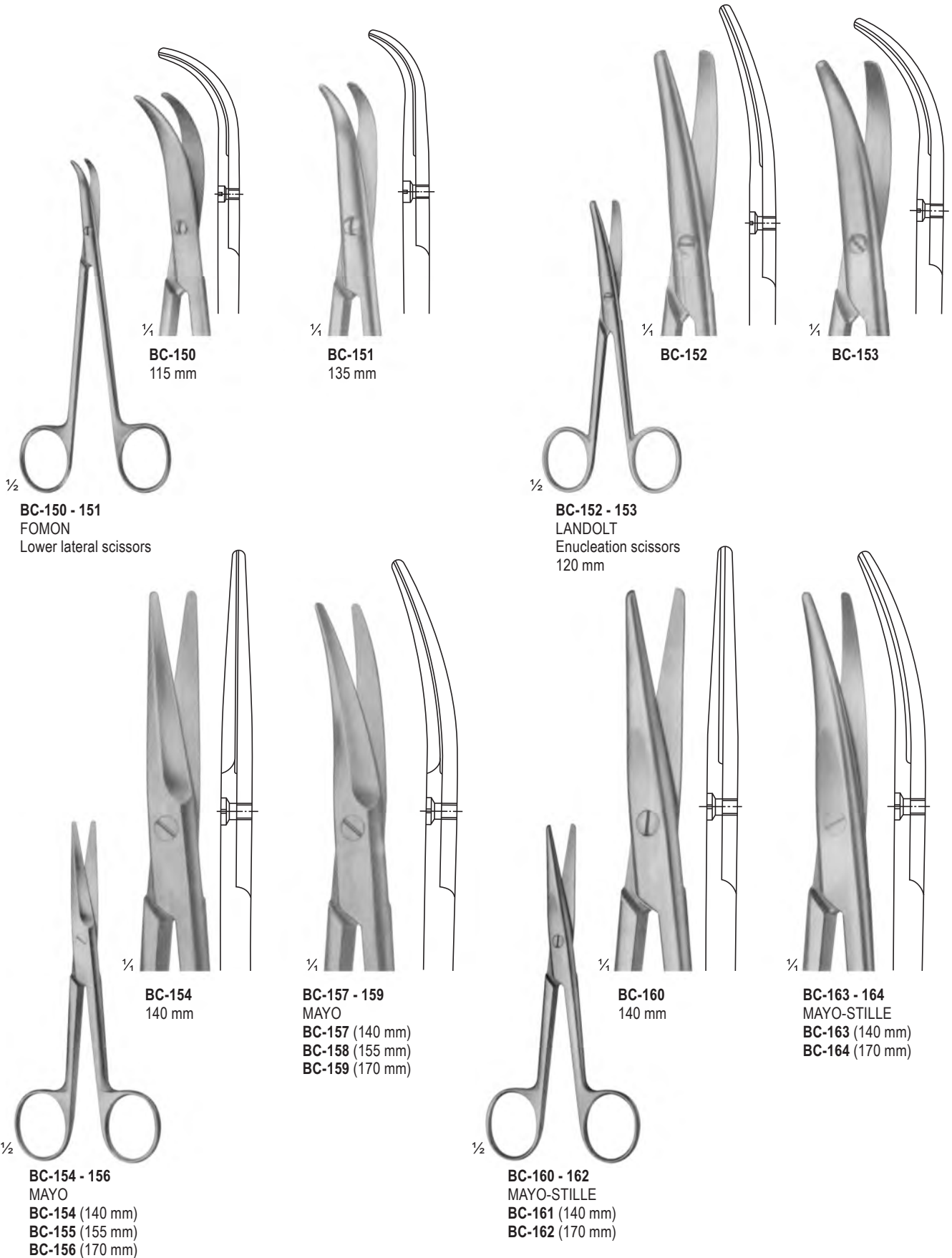


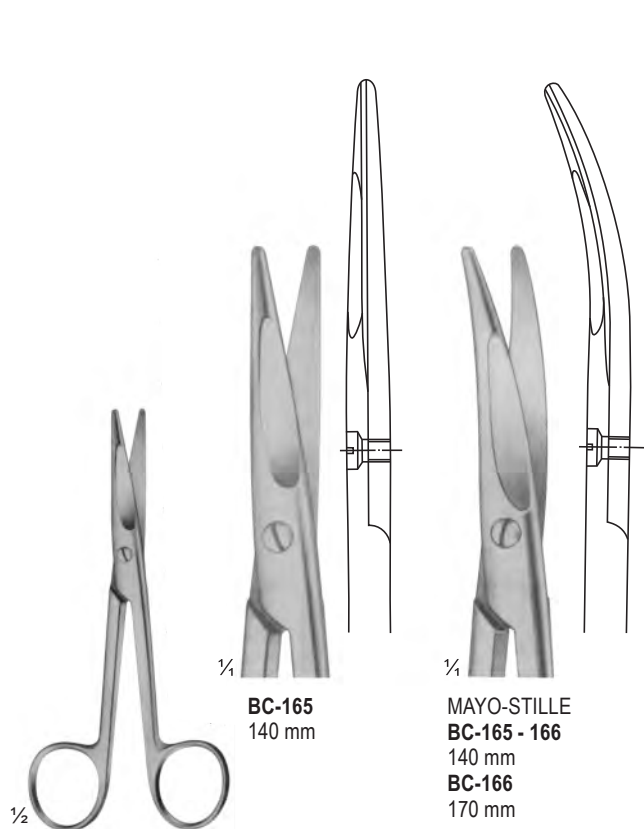
BC-144
DE BAKEY
Ateriotomy scissors
175 mm

BC-145 - 146
TOENNIS ADSON
Dissecting scissors
175 mm

BC-147 - 149
TOENNIS
Dissecting scissors
150 mm

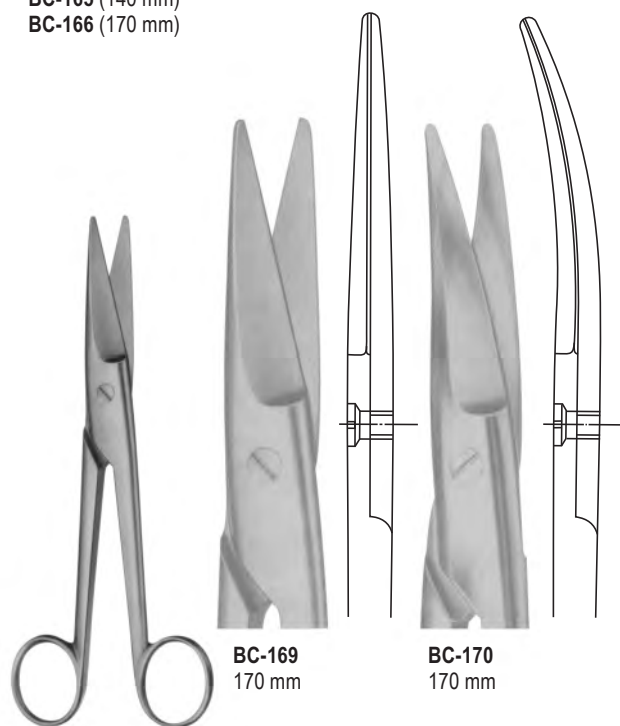
DISSECTING & SURGICAL SCISSORS





BC-165 - 166
MAYO-STILLE
With chamfered blades
BC-165 (140 mm)
BC-166 (170 mm)

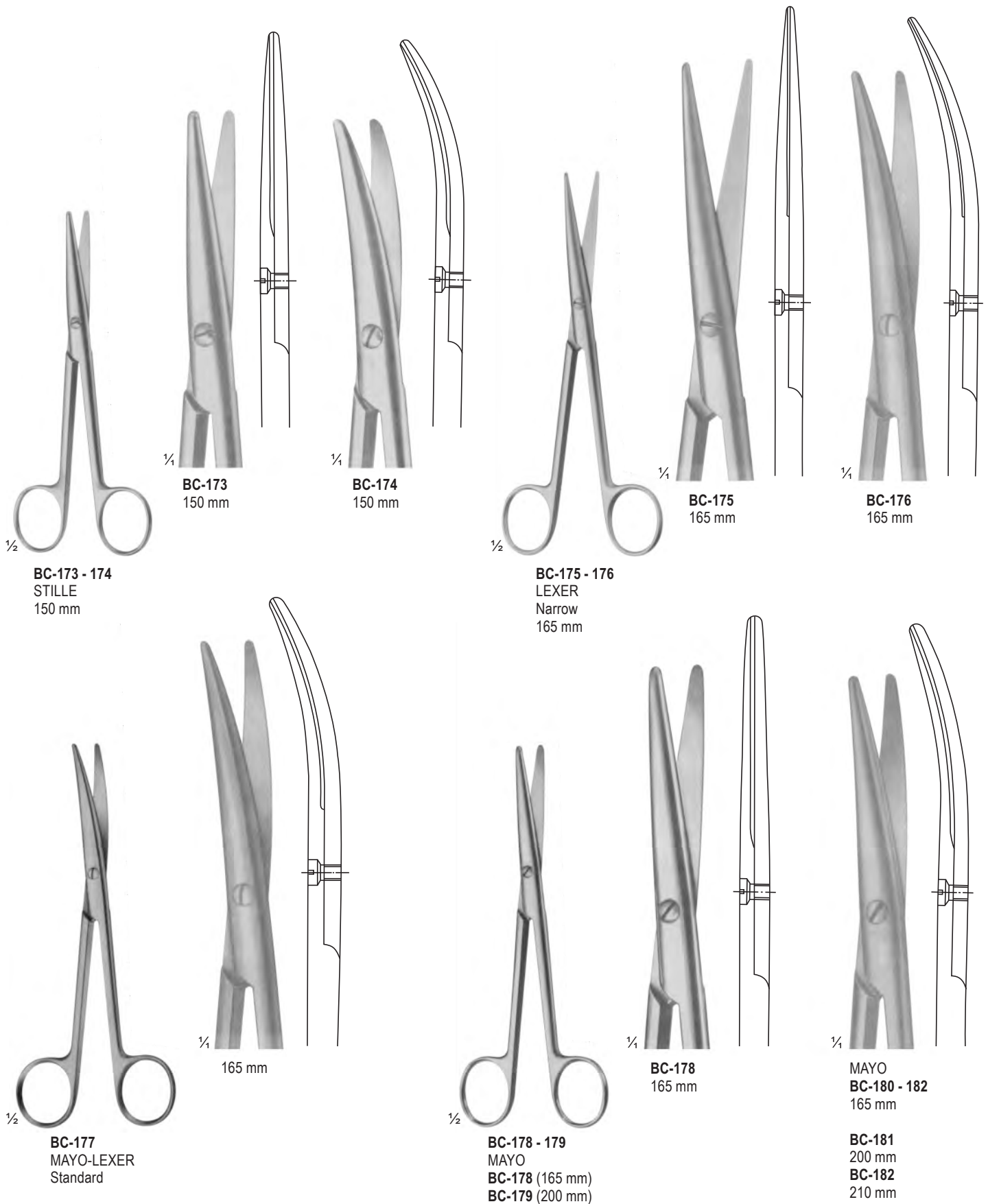
MAYO
With chamfered blades
BC-167 (190 mm)
BC-168 (215 mm)

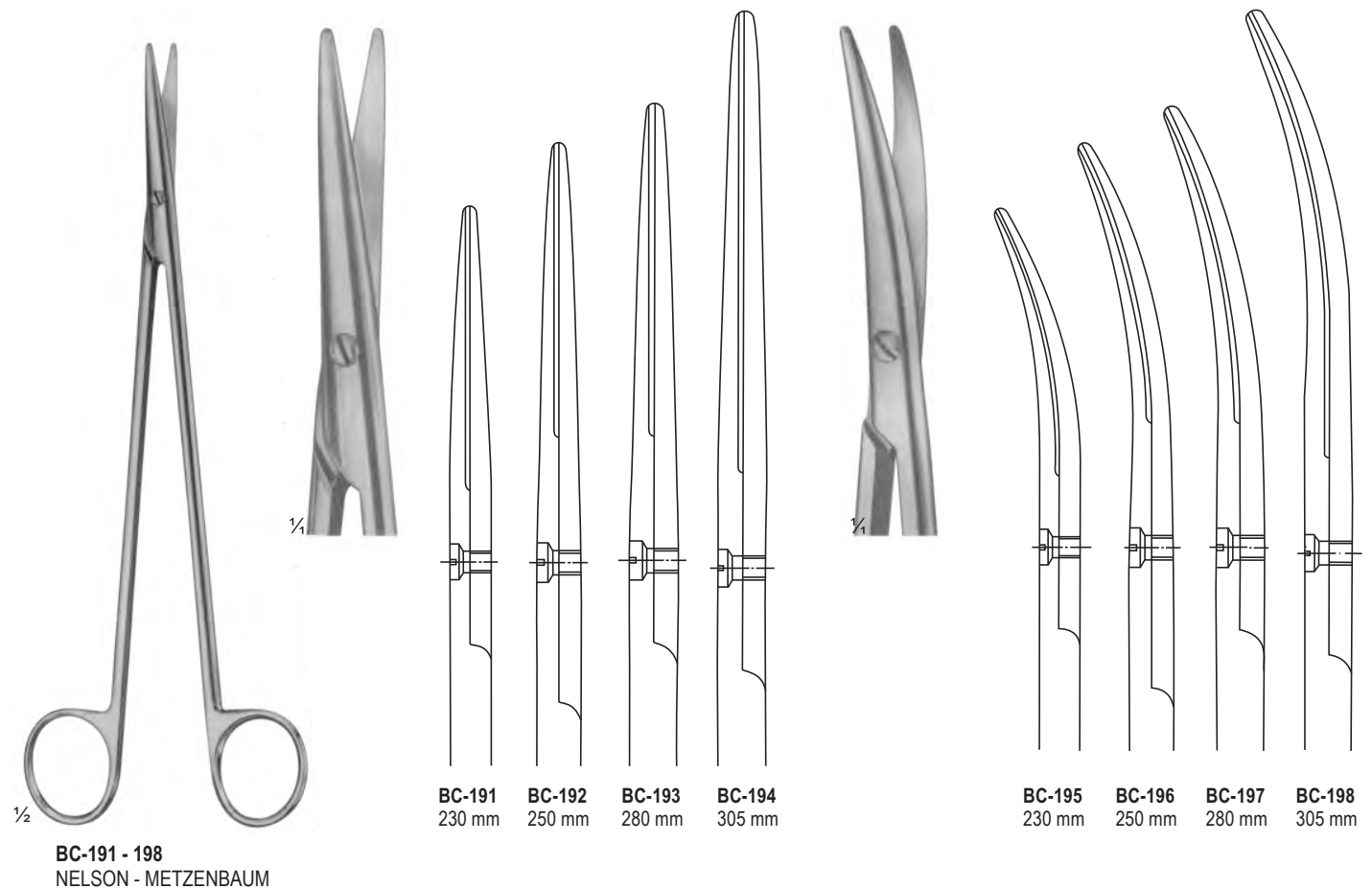
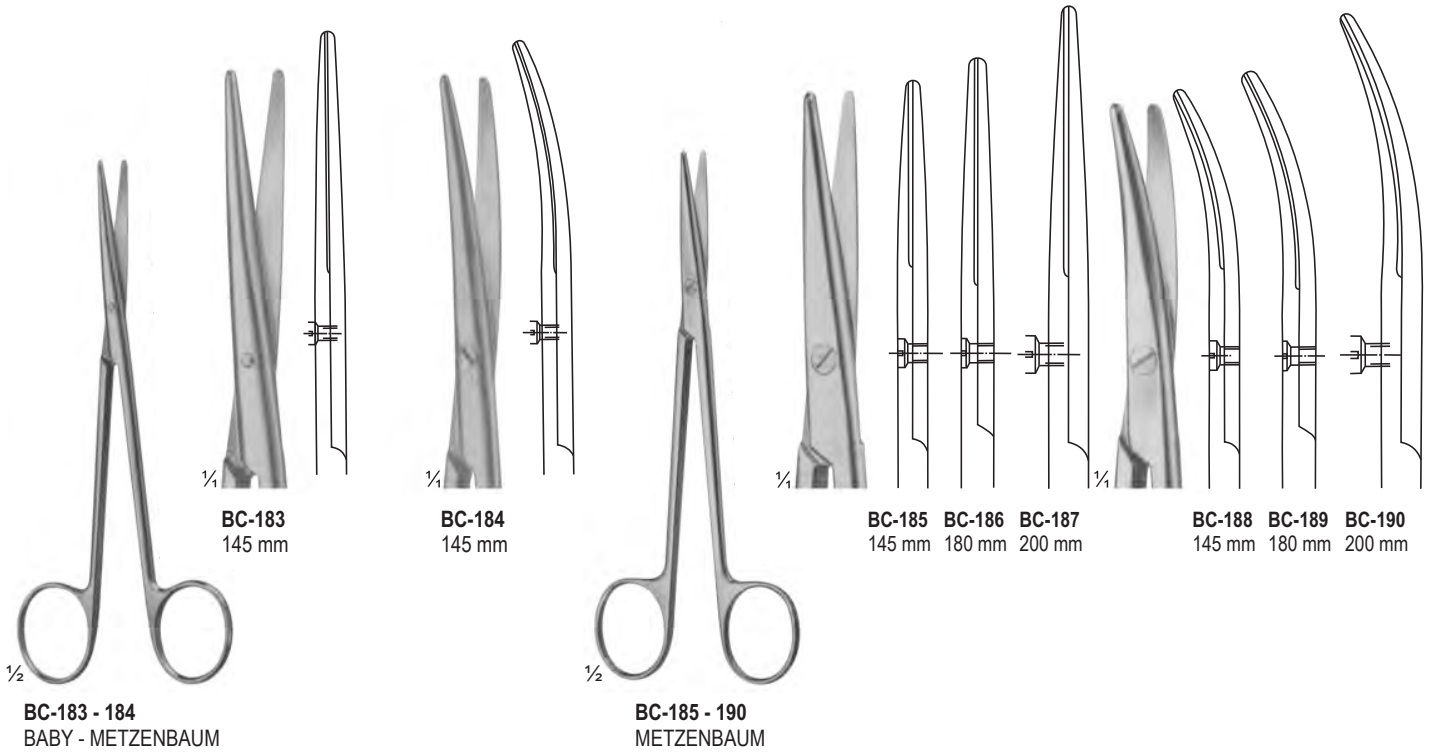


BC-169 - 170
MAYO-NOBLE
Broad pattern

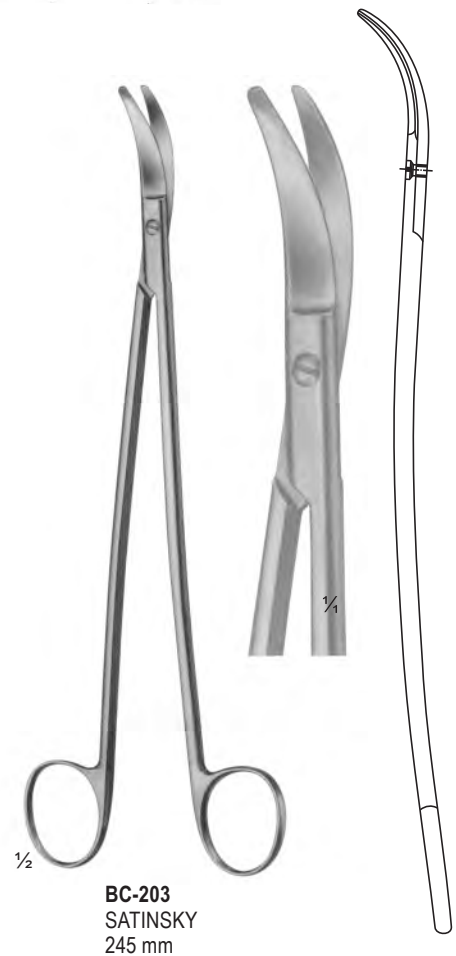
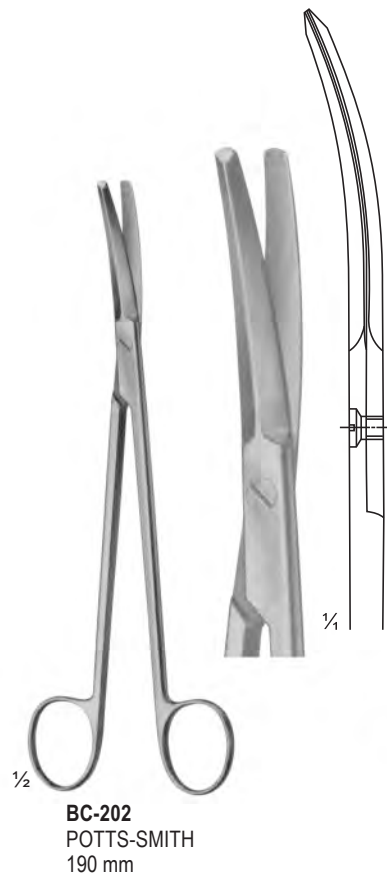
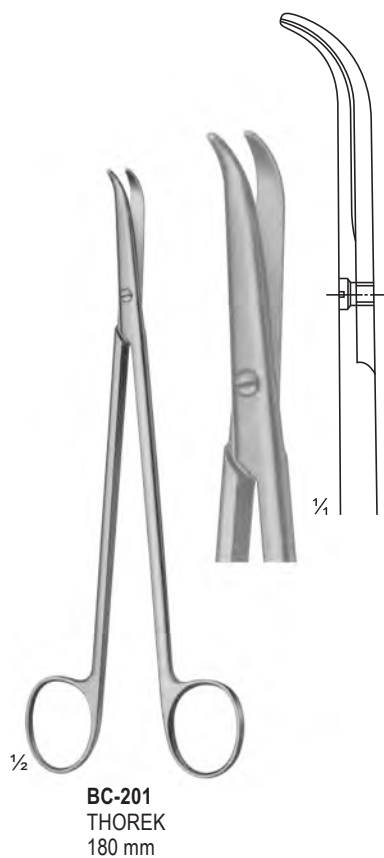
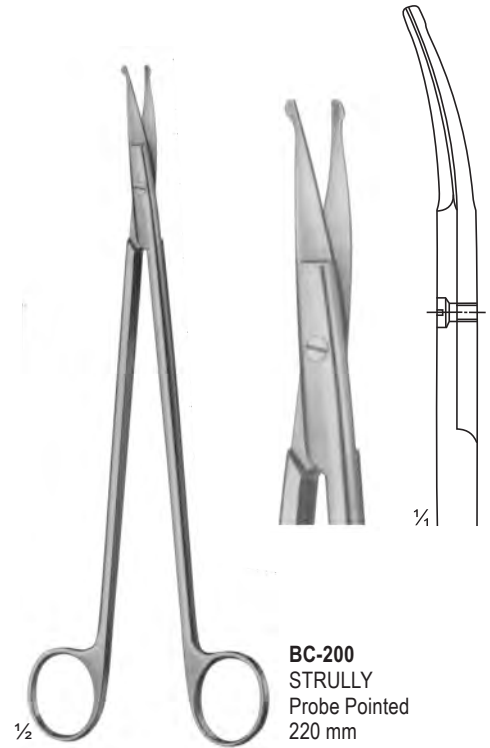
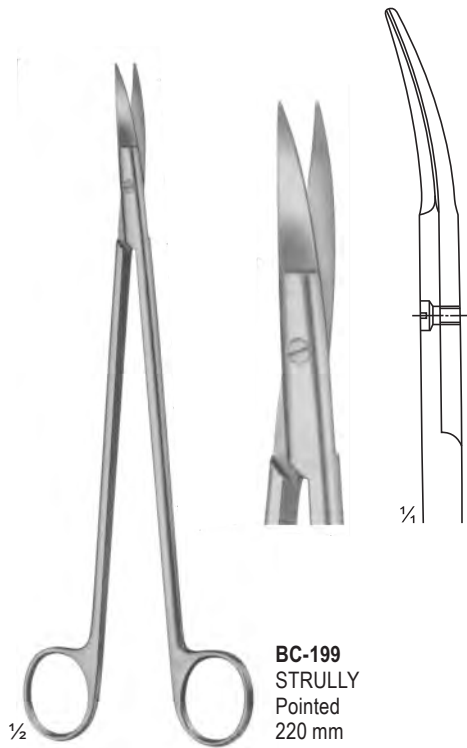
BC-171 - 172
MAYO-HARRINGTON

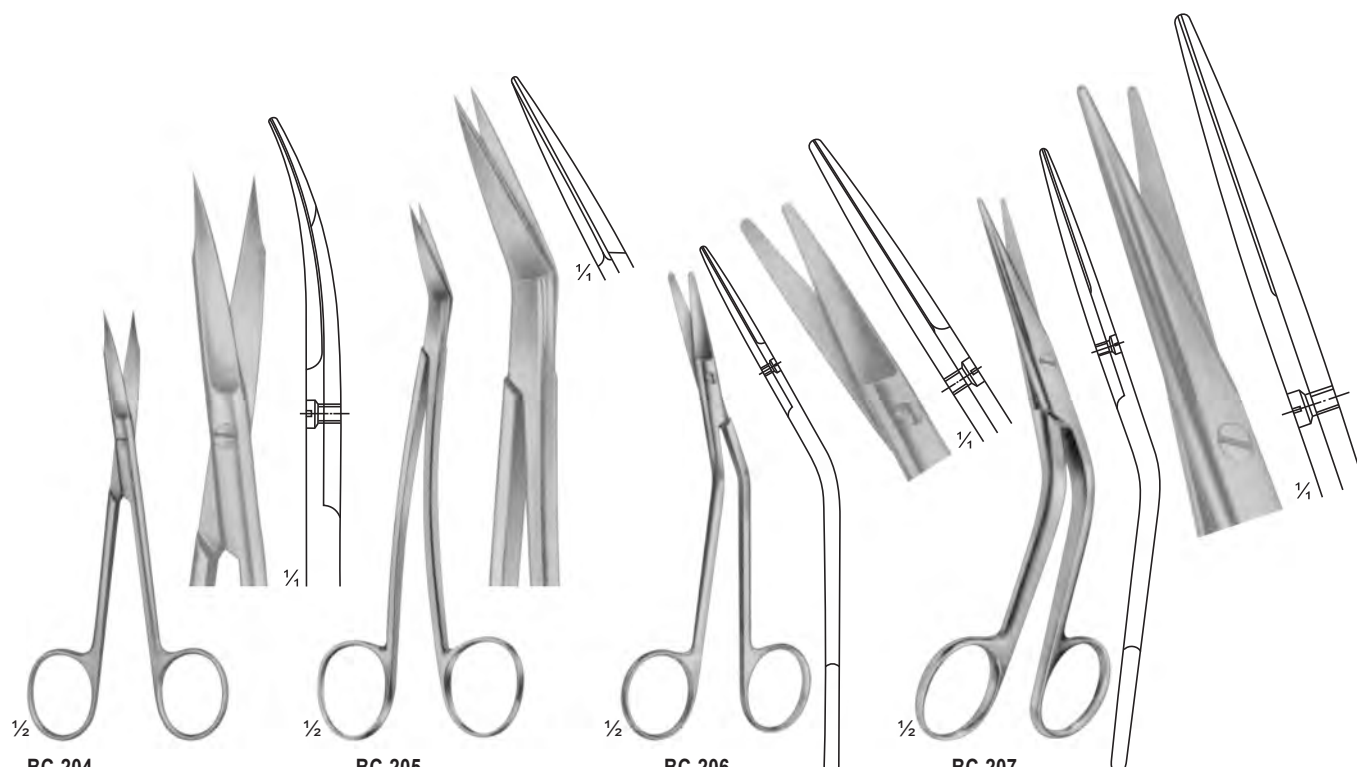
DISSECTING SCISSORS





CARDIOVASCULAR AND NEURO-SURGERY SCISSORS





BC-204
Goldman-Fox
1 Finely Toothed Blade
130 mm

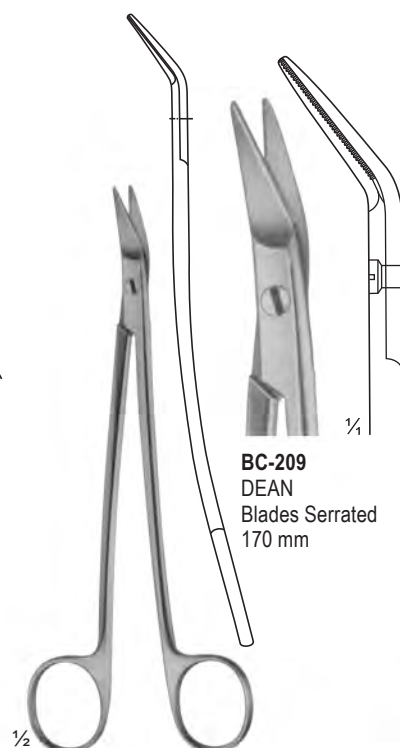
BC-205
LOCKLIN
Curved Sideways,
1 Toothed Blade
155 mm

BC-206
FOMON
Blades Serrated
145 mm

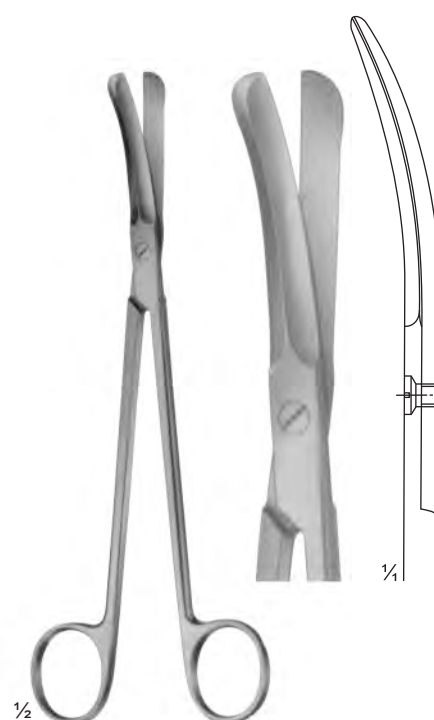
BC-207
COTTLE
165 mm



BC-208
HEYMANN-KNIGHT
175 mm

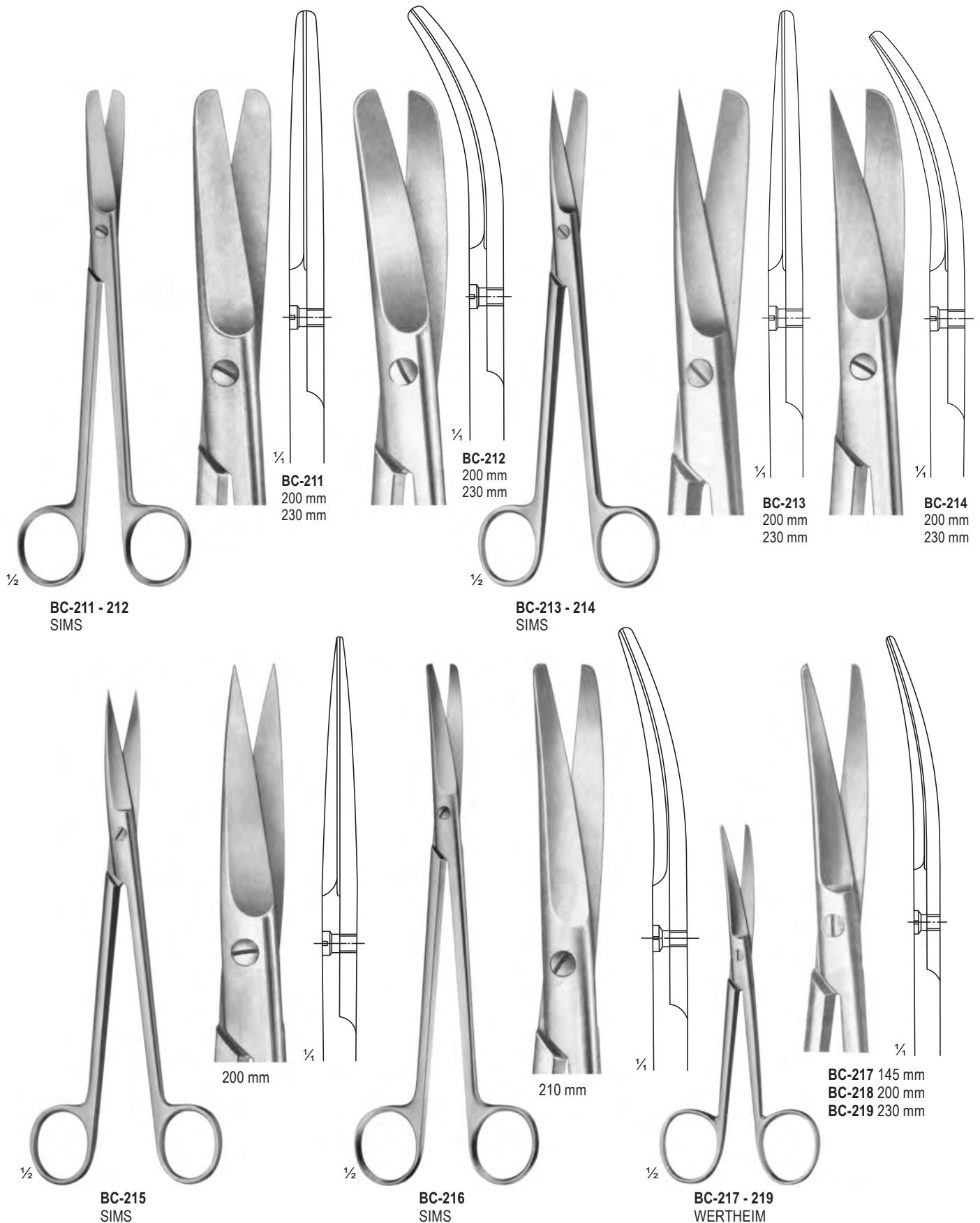


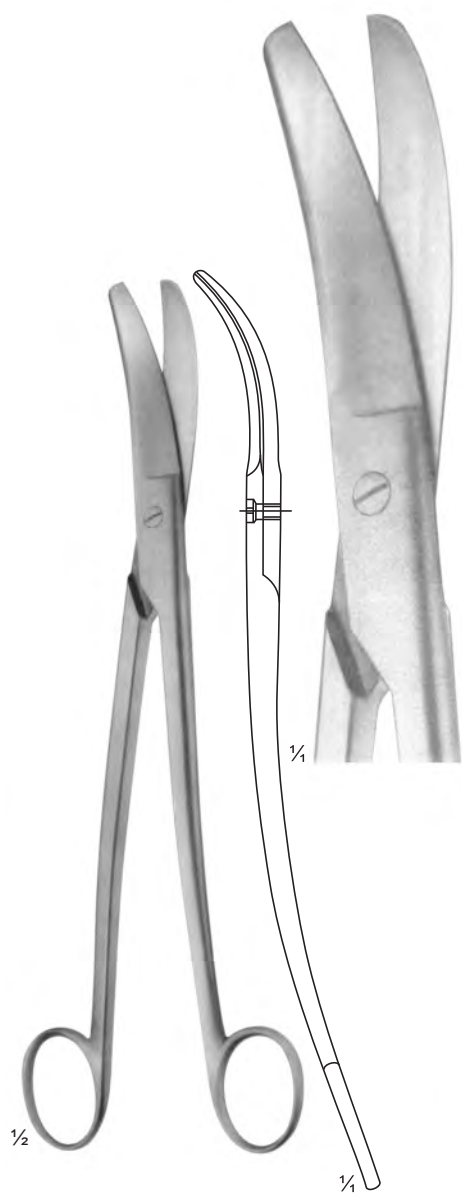
BC-209
DEAN
Blades Serrated
170 mm



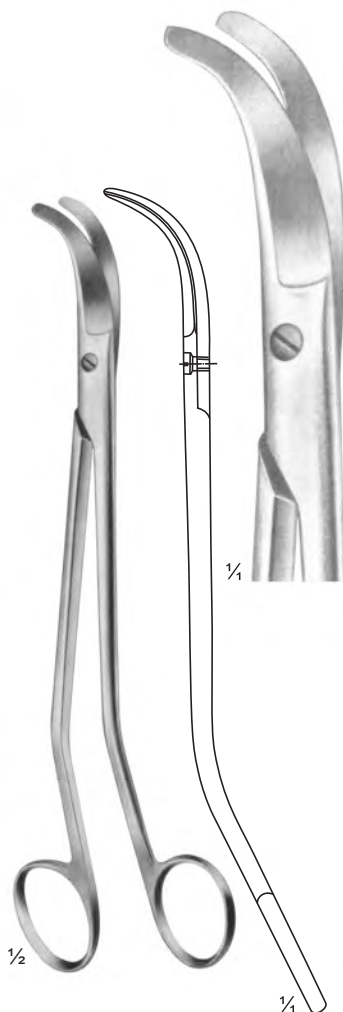
BC-210
GOOD
195 mm

OPERATING AND GYNAECOLOGY SCISSORS

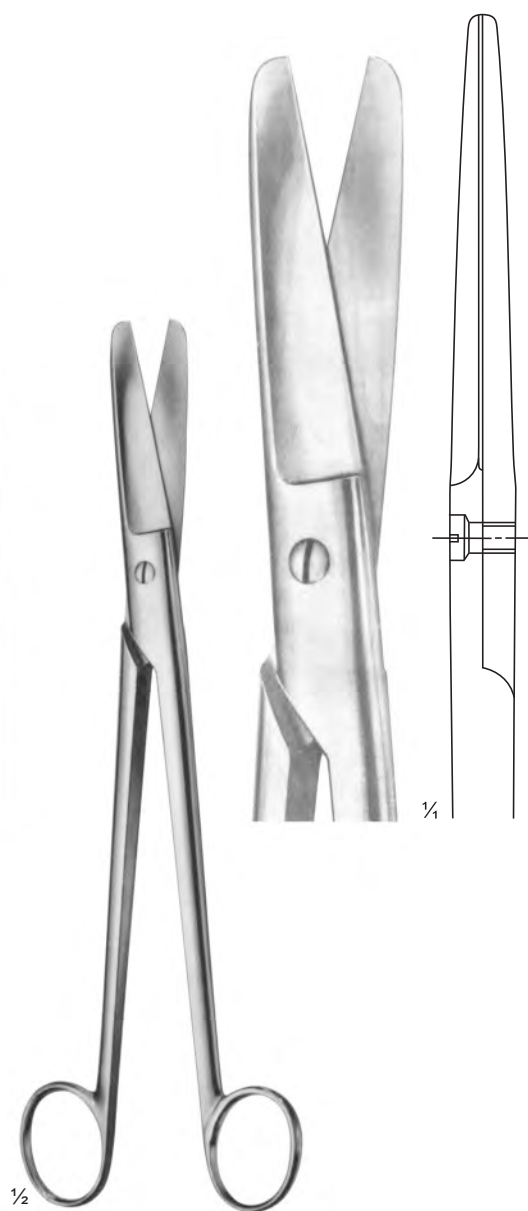




BC-220
SIEBOLD
Uterine Scissors
245 mm

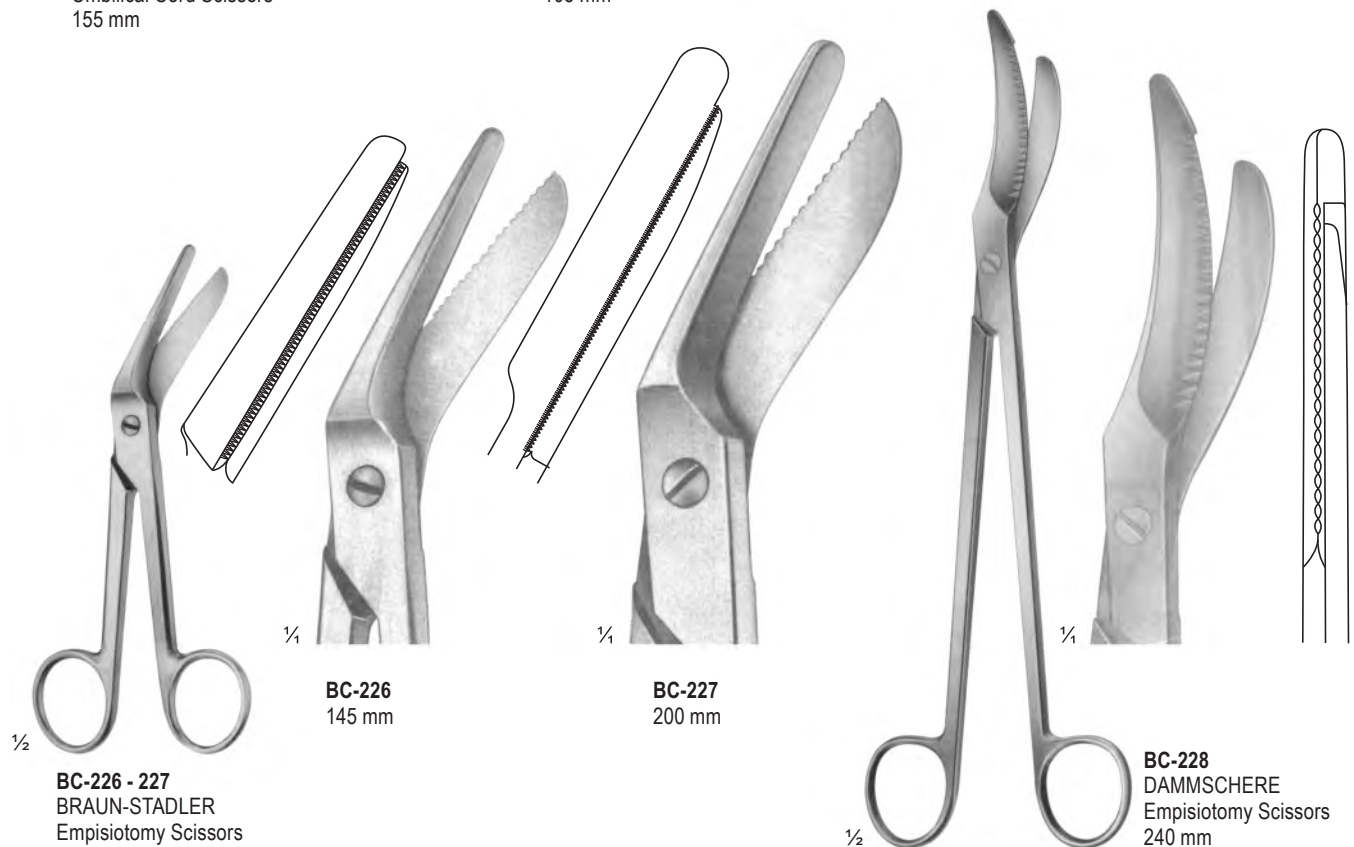


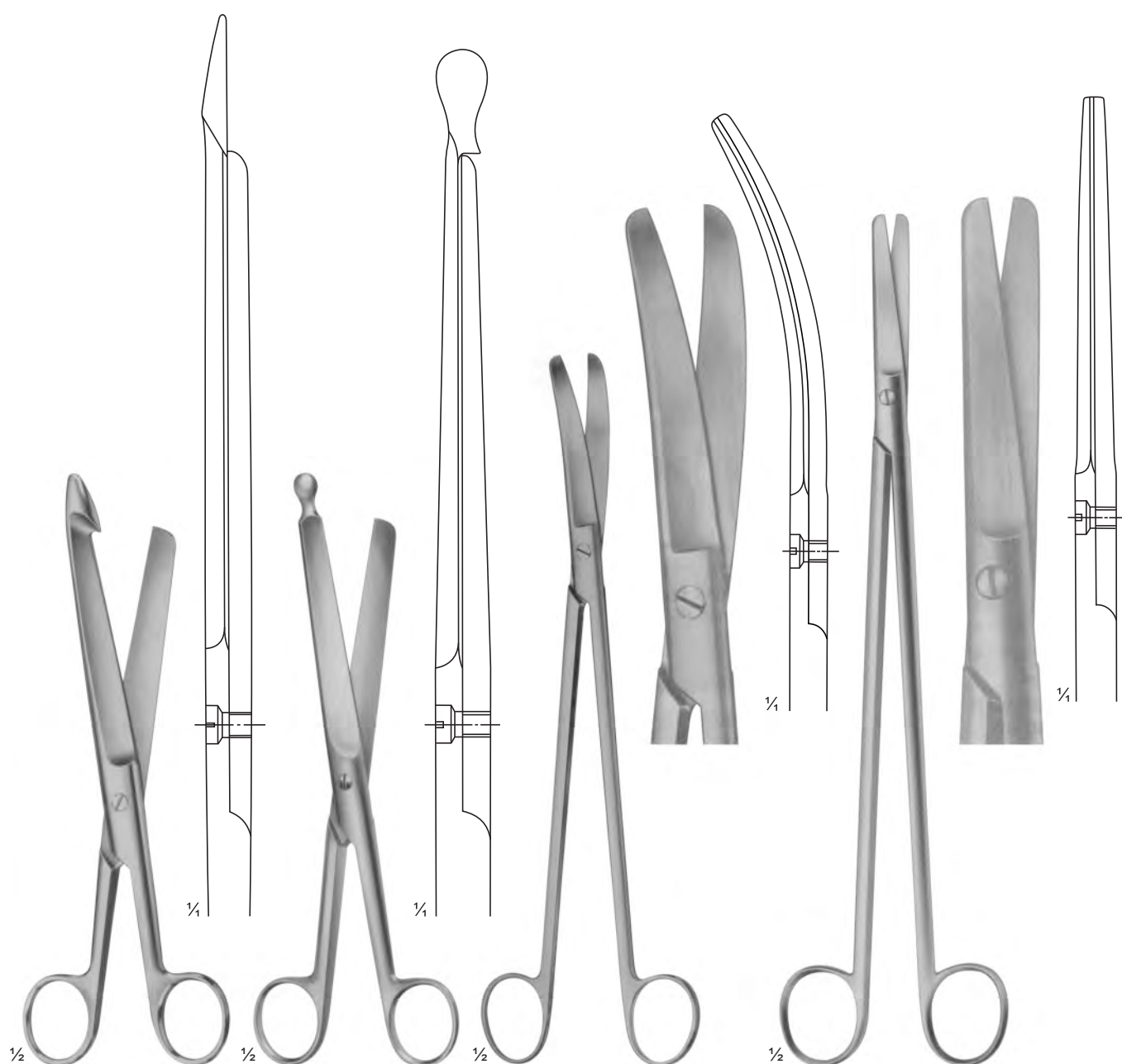
BC-221
BOZEMANN
Uterine Scissors
220 mm



BC-222
SIMS-SIEBOLD
Uterine Scissors
250 mm

OPERATING AND GYNAECOLOGY SCISSORS





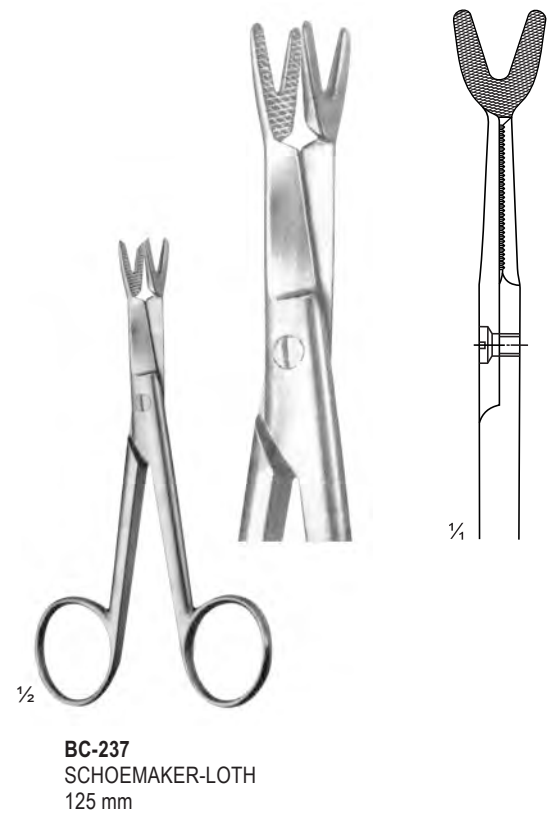
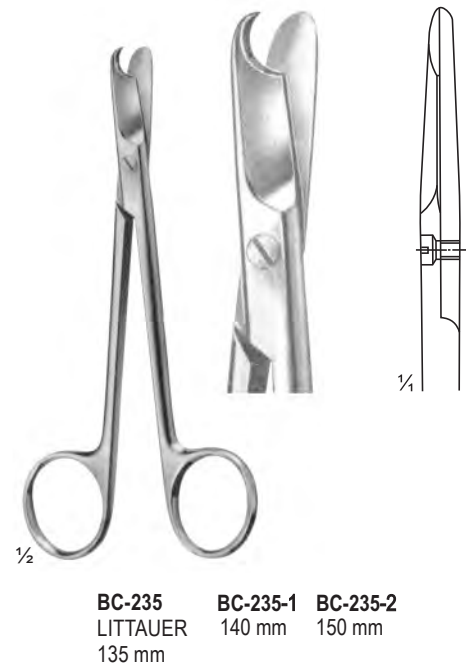
BC-229
DAMMSCHERE
Bowel Scissors
210 mm

BC-230
DAMMSCHERE
Bowel Scissors
210 mm

BC-231
LLOYD-DAVIES
(GOLIGHER'S)
Rectal Scissors
255 mm

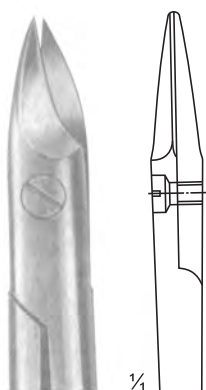
BC-232
STELZNER
Rectal Scissors
310 mm

LIGATURE SCISSORS

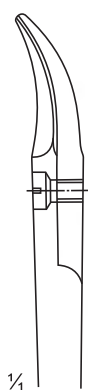




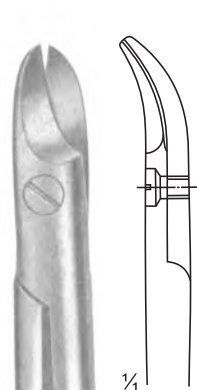
BC-238 - 242
BEEBE
110 mm



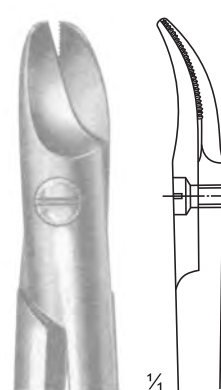
BC-238



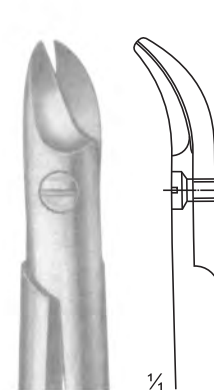
BC-239



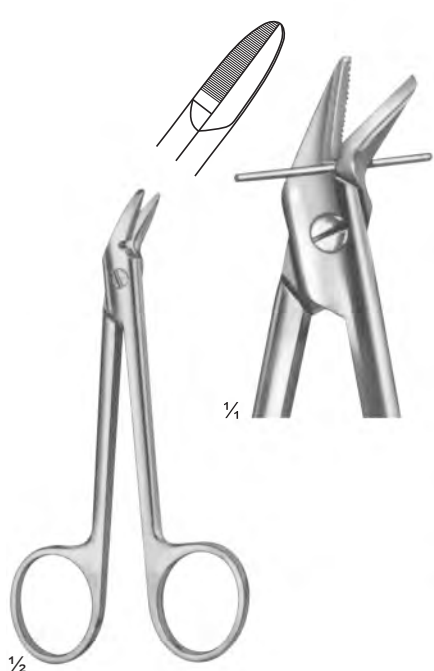
BC-240
Broad Blades



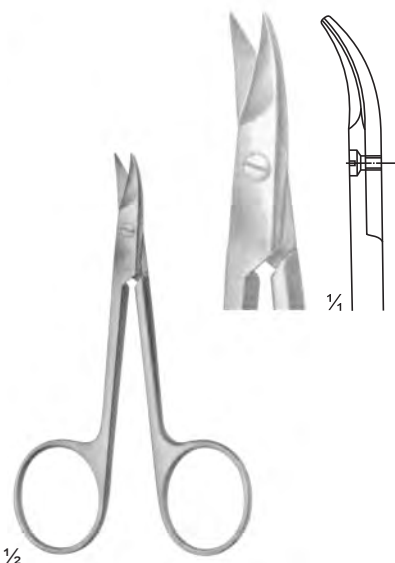
BC-241
1 Blade Serrated



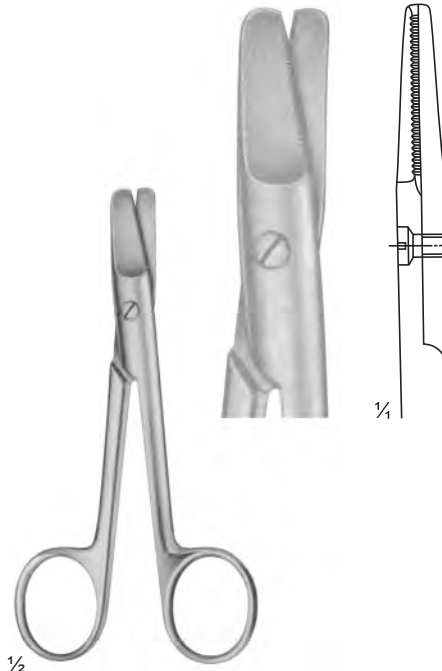
BC-242
NAUJOKS
Strongly Curved



BC-243
1 Blade Serrated
120 mm

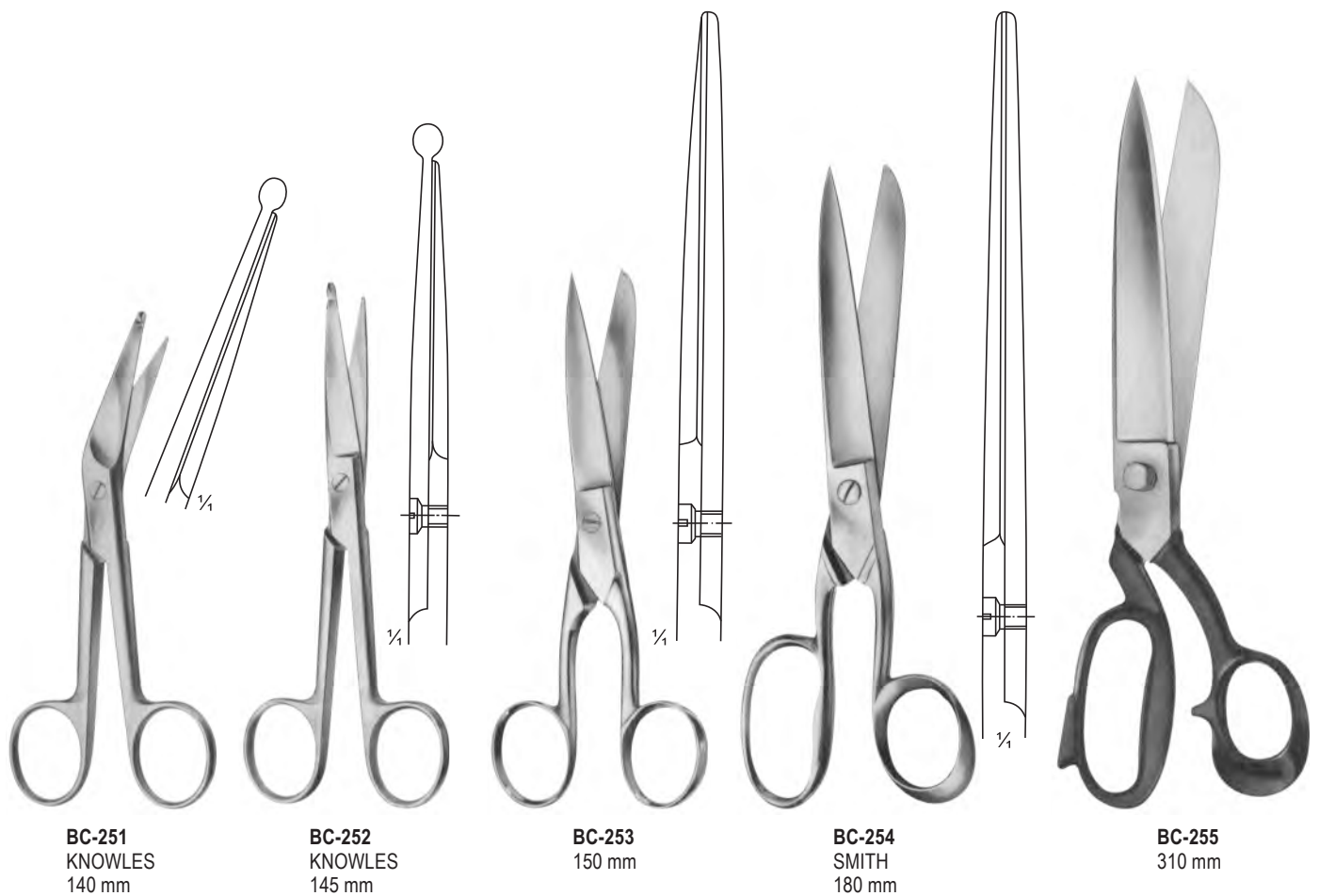
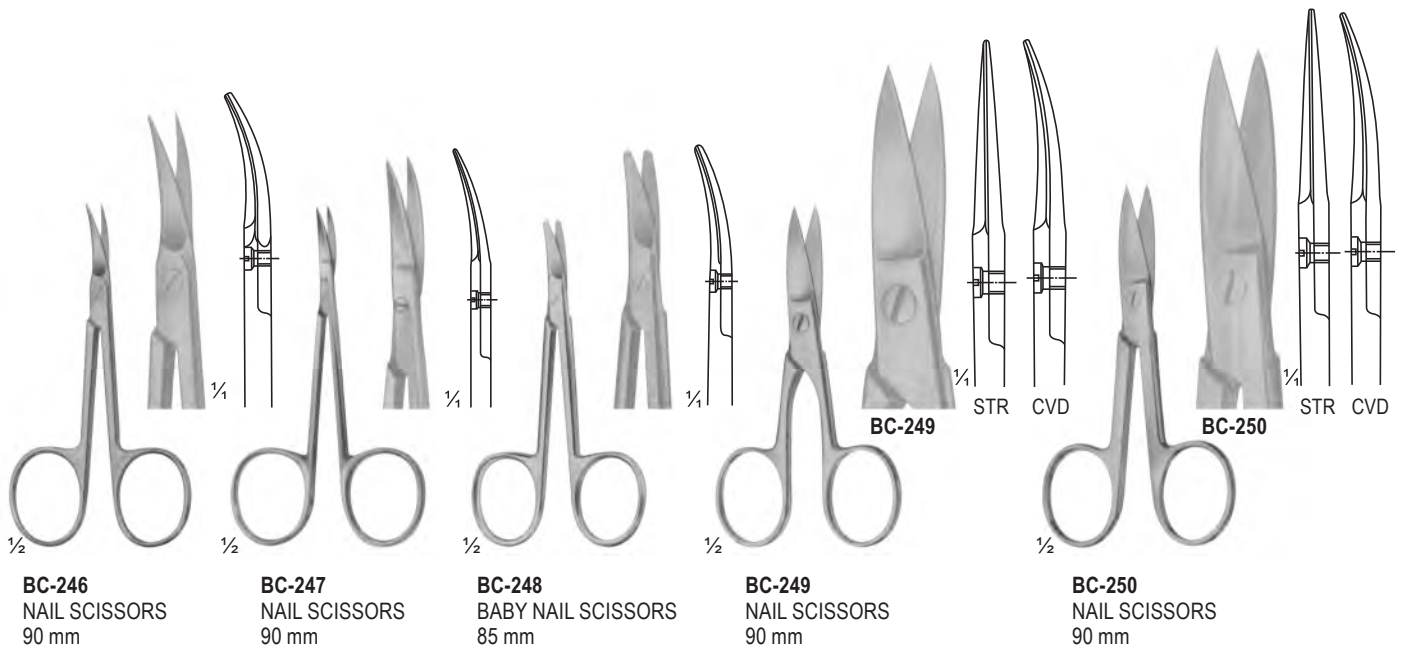


BC-244
STRACK
100 mm



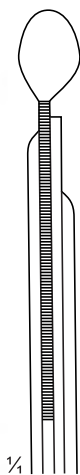
BC-245
HARVEY
125 mm

WIRE AND PLATE SCISSORS

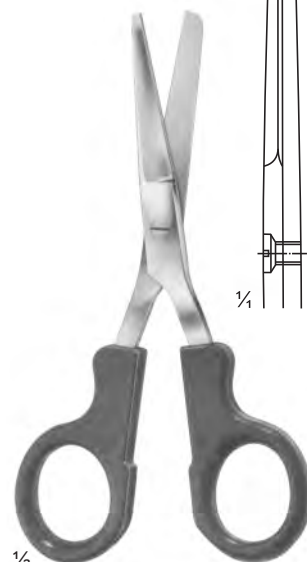
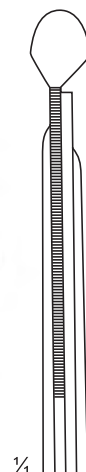




BC-256
UNIVERSAL AND BANDAGE SCISSORS
180 mm



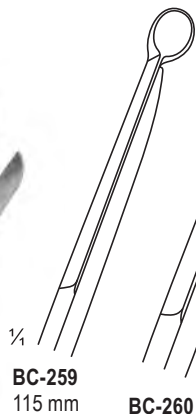
BC-257
LISTER
145 mm



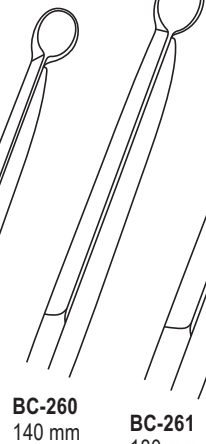
BC-258
LISTER
145 mm



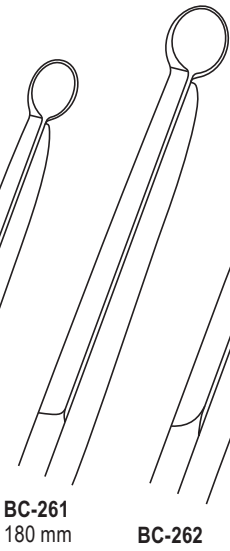
BC-259 - 262
LISTER



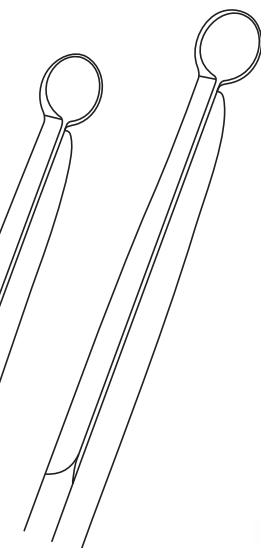
BC-259
115 mm



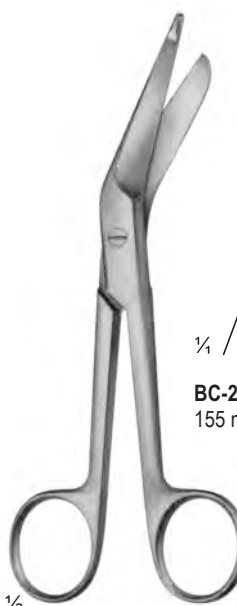
BC-260
140 mm



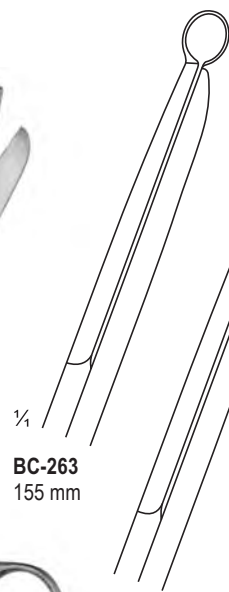
BC-261
180 mm



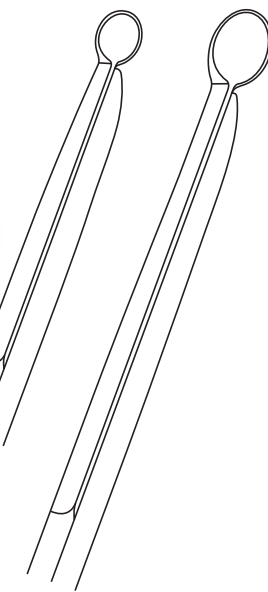
BC-262
200 mm
BC-262-1
230 mm



BC-263 - 264
LISTER



BC-263
155 mm

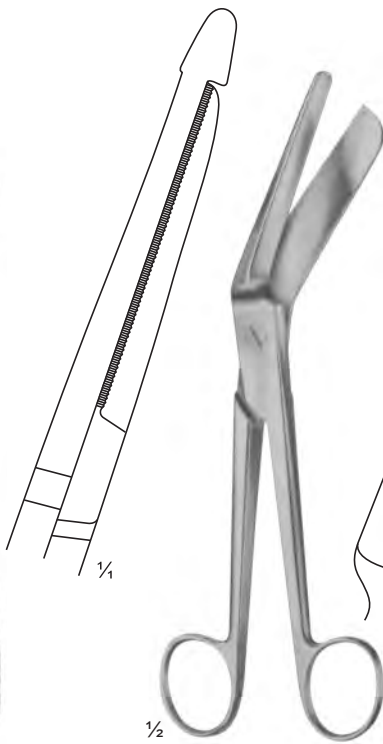


BC-264
180 mm

BANDAGE, CLOTH AND PLASTER SCISSORS



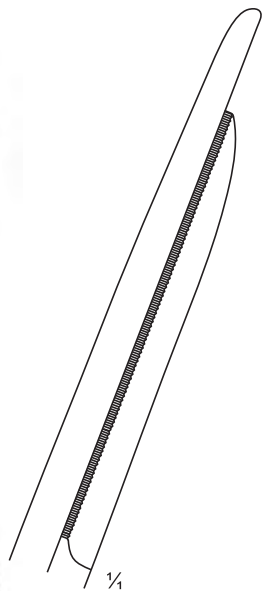
BC-265
CLOTH SCISSORS
205 mm



BC-266
BRAUN-STADLER
225 mm

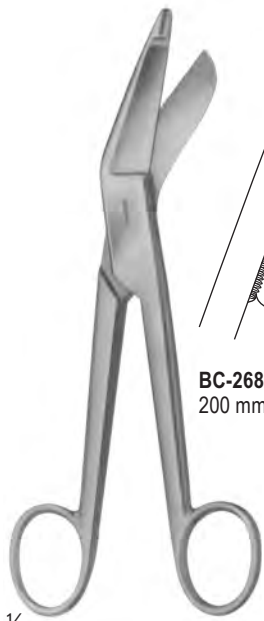


BC-267
SEUTIN
230 mm



BC-268
200 mm

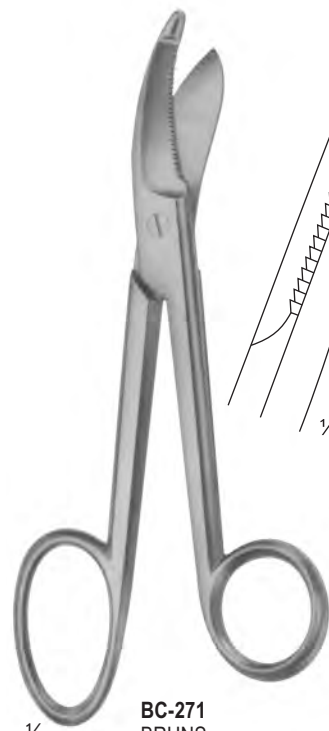
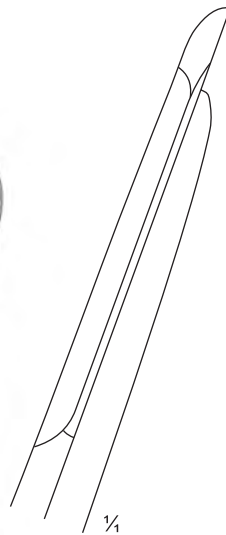
BC-269
230 mm



BC-268 - 269
ESMARCH



BC-270
BRUNS
235 mm



BC-271
BRUNS
235 mm



STANDARD

BC-272 14.5 cm, 5 3/4"
BC-273 16.5 cm, 6 1/2"
BC-274 18.5 cm, 7 1/4"



STANDARD

BC-275 14.5 cm, 5 3/4"
BC-276 16.5 cm, 6 1/2"
BC-277 18.5 cm, 7 1/4"



STANDARD

BC-278 14.5 cm, 5 3/4"
BC-279 16.5 cm, 6 1/2"
BC-280 18.5 cm, 7 1/4"



STANDARD

BC-281 14.5 cm, 5 3/4"
BC-282 16.5 cm, 6 1/2"
BC-283 18.5 cm, 7 1/4"



STANDARD

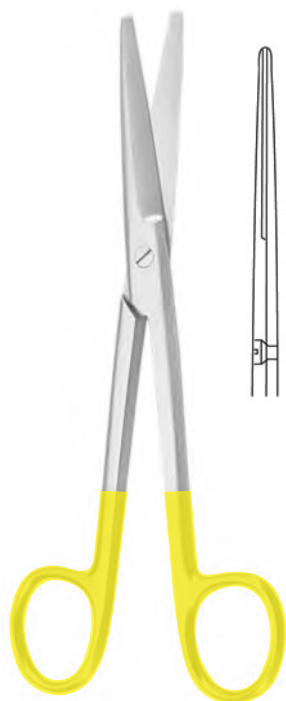
BC-284 14.5 cm, 5 3/4"
BC-285 16.5 cm, 6 1/2"
BC-286 18.5 cm, 7 1/4"



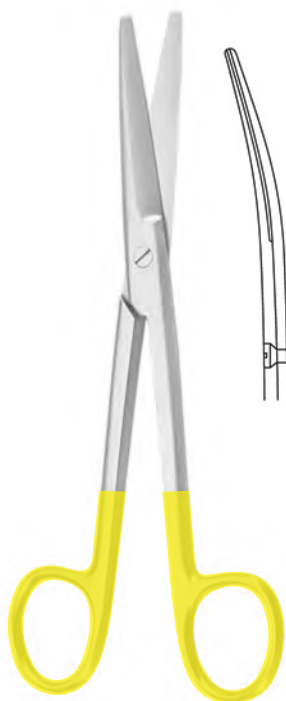
STANDARD

BC-287 14.5 cm, 5 3/4"
BC-288 16.5 cm, 6 1/2"
BC-289 18.5 cm, 7 1/4"

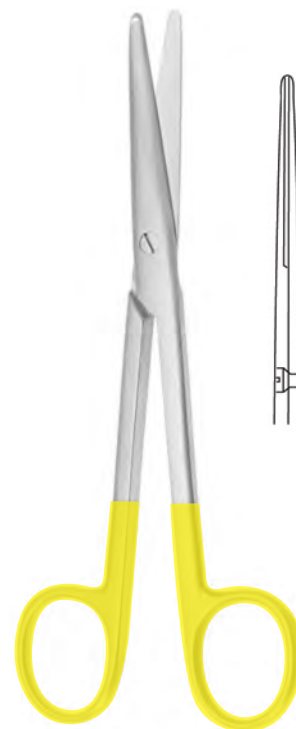
SURGICAL SCISSORS WITH TUNGSTEN CARBIDE EDGES



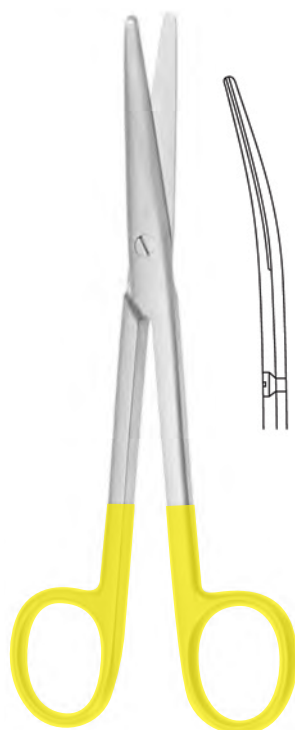
MAYO
BC-290 14.5 cm, 5 3/4"
BC-291 17.0 cm, 6 3/4"
BC-292 23.0 cm, 9"



MAYO
BC-293 14.5 cm, 5 3/4"
BC-294 17.0 cm, 6 3/4"
BC-295 23.0 cm, 9"



MAYO-STILLE
BC-296 15.0 cm, 6"
BC-297 17.0 cm, 6 3/4"



MAYO-STILLE
BC-298 15.0 cm, 6"
BC-299 17.0 cm, 6 3/4"



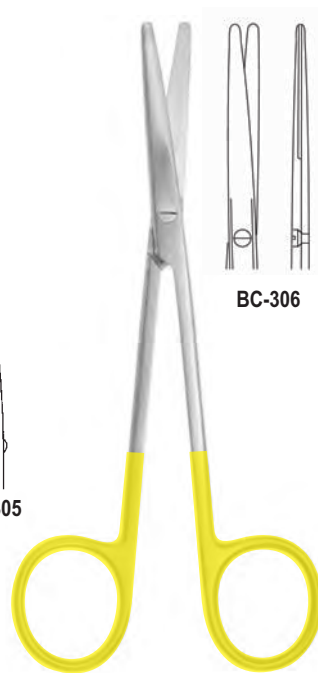
LEXER
BC-300 16.0 cm, 6 1/4"
BC-301 21.0 cm, 8 1/4"



LEXER
BC-302 16.0 cm, 6 1/4"
BC-303 21.0 cm, 8 1/4"



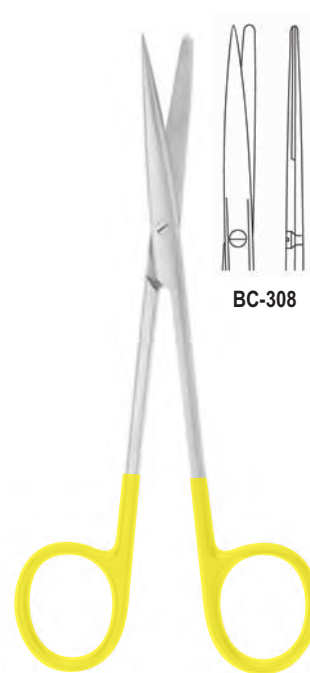
BABY-METZENBAUM
BC-304 - 305
11.5 cm, 4½"



METZENBAUM
BC-306 - 307
14.5 cm, 5 ¾"

BC-306

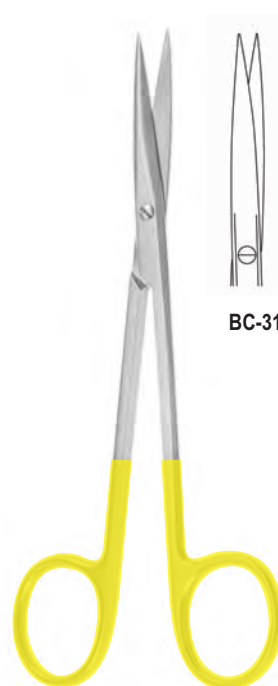
BC-307



METZENBAUM
BC-308 - 309
14.5 cm, 5 ¾"

BC-308

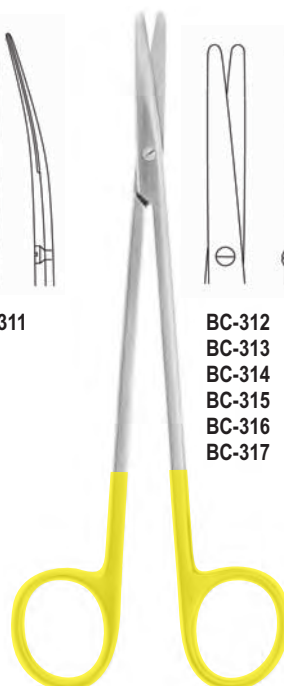
BC-309



METZENBAUM
BC-310 - 311
14.5 cm, 5 ¾"

BC-310

BC-311



METZENBAUM
BC-312 - 317

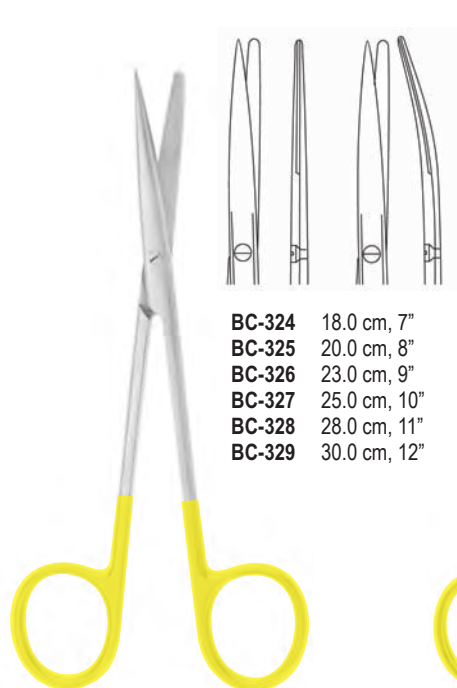
BC-312 18.0 cm, 7"
BC-313 20.0 cm, 8"
BC-314 23.0 cm, 9"
BC-315 25.0 cm, 10"
BC-316 28.0 cm, 11"
BC-317 30.0 cm, 12"



METZENBAUM
BC-318 - 323

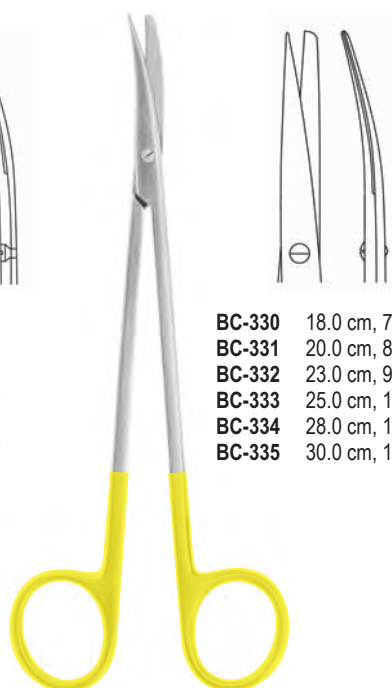
BC-318 18.0 cm, 7"
BC-319 20.0 cm, 8"
BC-320 23.0 cm, 9"
BC-321 25.0 cm, 10"
BC-322 28.0 cm, 11"
BC-323 30.0 cm, 12"

DISSECTING SCISSORS WITH TUNGSTEN CARBIDE EDGES



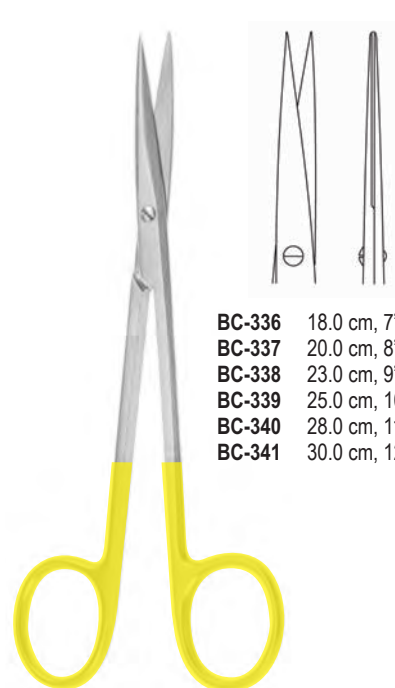
BC-324 18.0 cm, 7"
BC-325 20.0 cm, 8"
BC-326 23.0 cm, 9"
BC-327 25.0 cm, 10"
BC-328 28.0 cm, 11"
BC-329 30.0 cm, 12"

METZENBAUM
BC-324 - 329



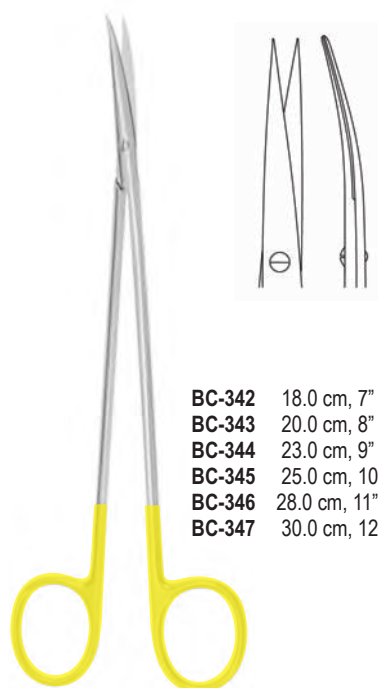
BC-330 18.0 cm, 7"
BC-331 20.0 cm, 8"
BC-332 23.0 cm, 9"
BC-333 25.0 cm, 10"
BC-334 28.0 cm, 11"
BC-335 30.0 cm, 12"

METZENBAUM
BC-330 - 335



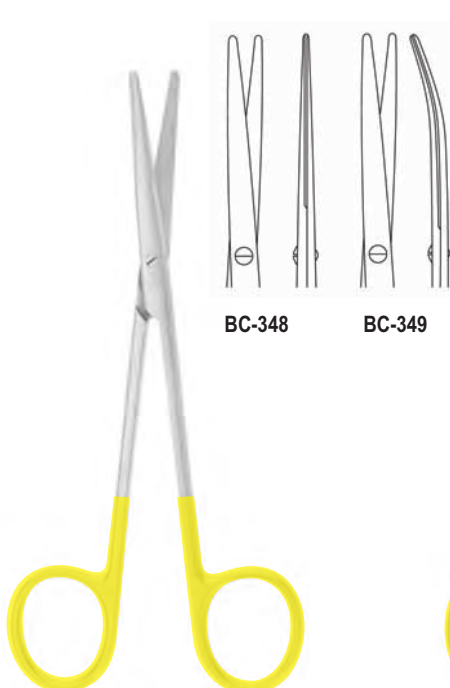
BC-336 18.0 cm, 7"
BC-337 20.0 cm, 8"
BC-338 23.0 cm, 9"
BC-339 25.0 cm, 10"
BC-340 28.0 cm, 11"
BC-341 30.0 cm, 12"

METZENBAUM
BC-336 - 341



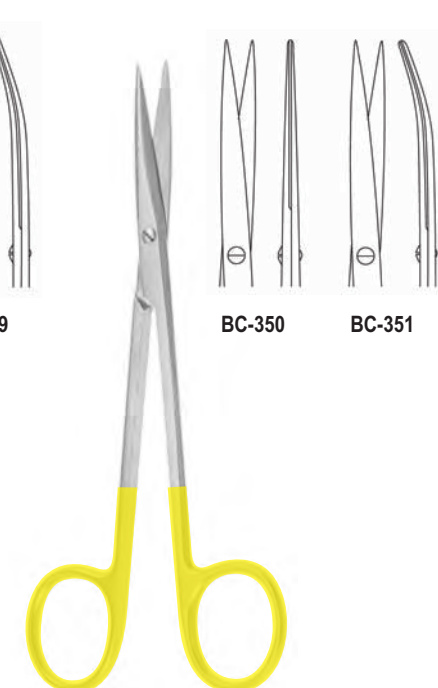
BC-342 18.0 cm, 7"
BC-343 20.0 cm, 8"
BC-344 23.0 cm, 9"
BC-345 25.0 cm, 10"
BC-346 28.0 cm, 11"
BC-347 30.0 cm, 12"

METZENBAUM
BC-342 - 347



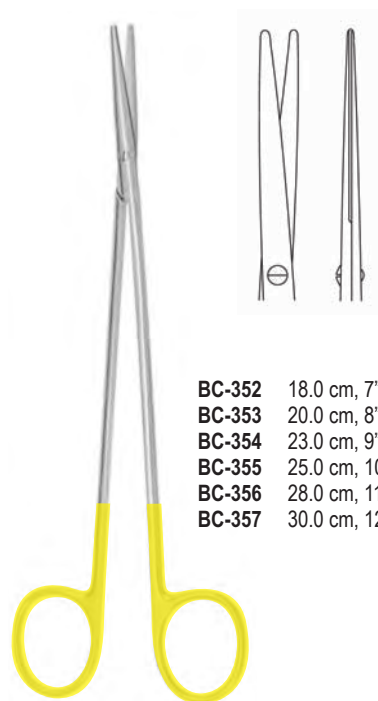
BC-348 **BC-349**

METZENBAUM-FINO
BC-348 - 349
14.5 cm, 5 3/4"



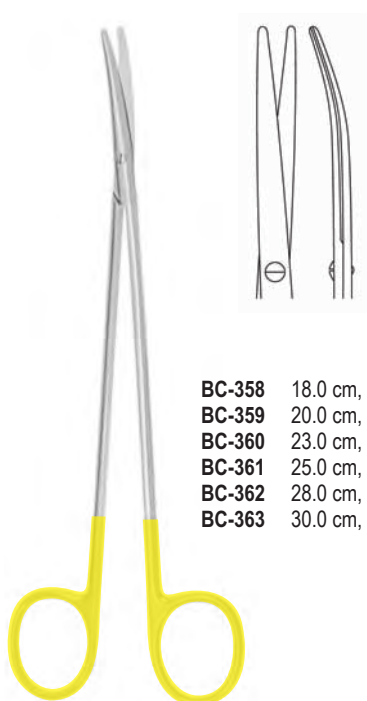
BC-350 **BC-351**

METZENBAUM-FINO
BC-350 - 351
14.5 cm, 5 3/4"



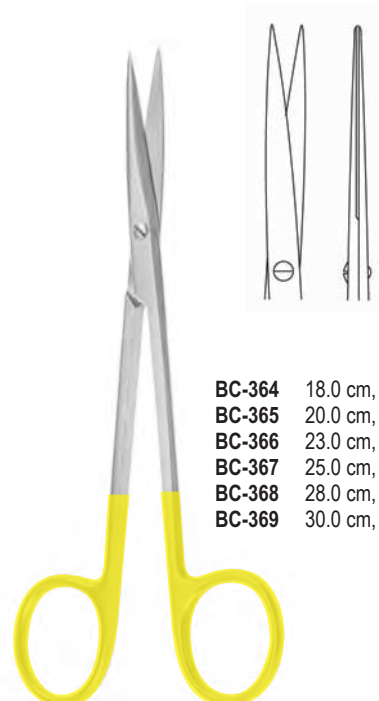
BC-352 18.0 cm, 7"
BC-353 20.0 cm, 8"
BC-354 23.0 cm, 9"
BC-355 25.0 cm, 10"
BC-356 28.0 cm, 11"
BC-357 30.0 cm, 12"

METZENBAUM-FINO
BC-352 - 357



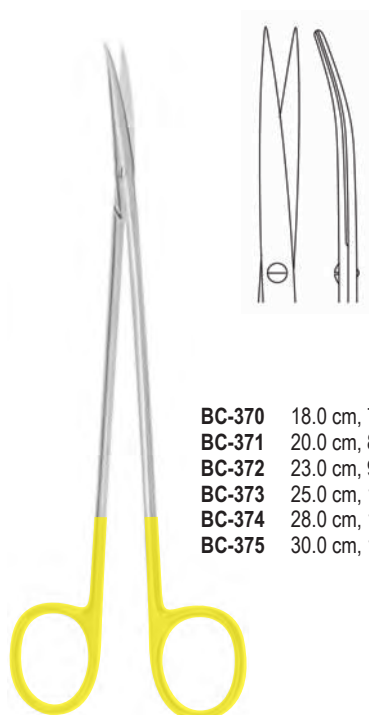
BC-358 18.0 cm, 7"
BC-359 20.0 cm, 8"
BC-360 23.0 cm, 9"
BC-361 25.0 cm, 10"
BC-362 28.0 cm, 11"
BC-363 30.0 cm, 12"

METZENBAUM-FINO
BC-358 - 363



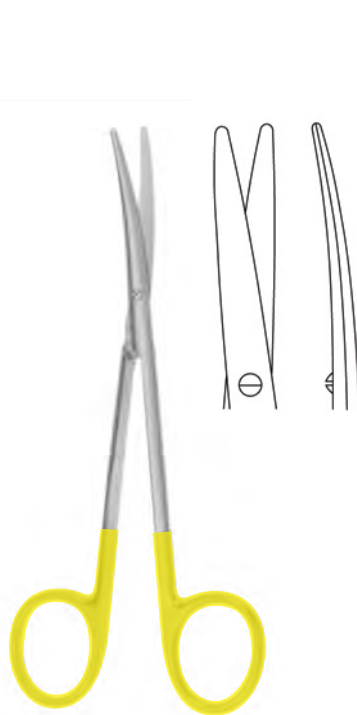
BC-364 18.0 cm, 7"
BC-365 20.0 cm, 8"
BC-366 23.0 cm, 9"
BC-367 25.0 cm, 10"
BC-368 28.0 cm, 11"
BC-369 30.0 cm, 12"

METZENBAUM-FINO
BC-364 - 369

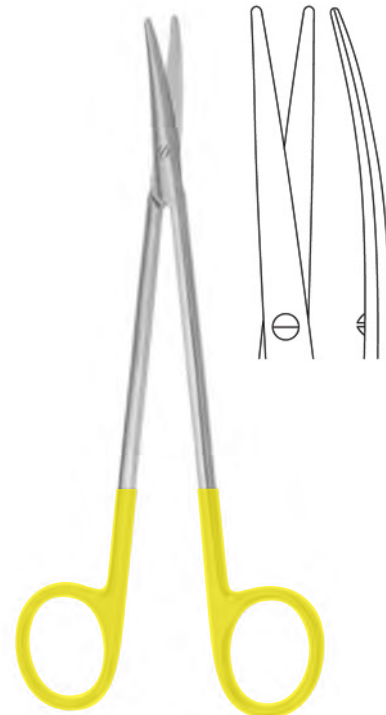


BC-370 18.0 cm, 7"
BC-371 20.0 cm, 8"
BC-372 23.0 cm, 9"
BC-373 25.0 cm, 10"
BC-374 28.0 cm, 11"
BC-375 30.0 cm, 12"

METZENBAUM-FINO
BC-370 - 375

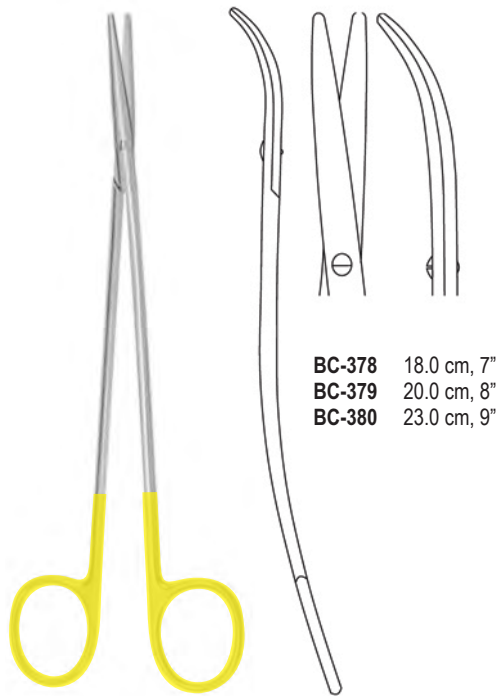


METZENBAUM-LAHEY
BC-376
 14.5 cm, 5½"



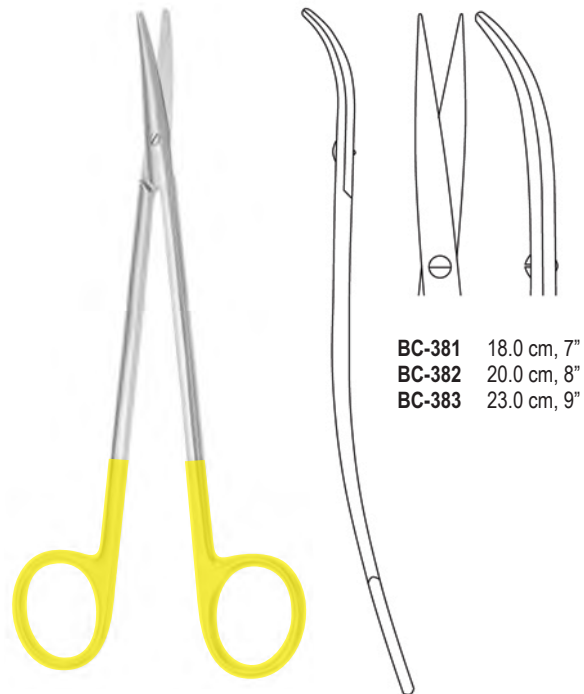
TOENNIS-ADSON
BC-377
 17.0 cm, 6 ¾"

DISSECTING SCISSORS WITH TUNGSTEN CARBIDE EDGES



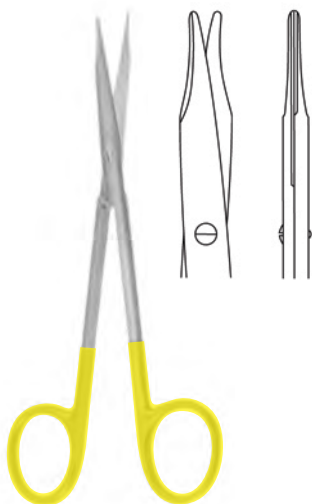
BC-378 18.0 cm, 7"
BC-379 20.0 cm, 8"
BC-380 23.0 cm, 9"

METZENBAUM-FINO
BC-378 - 380

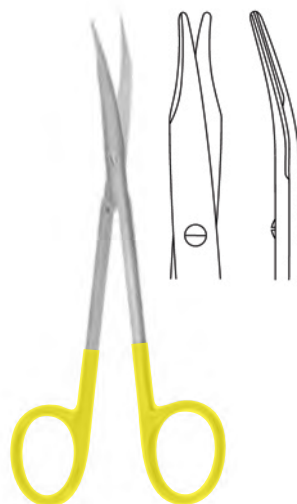


BC-381 18.0 cm, 7"
BC-382 20.0 cm, 8"
BC-383 23.0 cm, 9"

METZENBAUM-FINO
BC-381 - 383



REYNOLDS
BC-384
 15.0 cm, 6"



REYNOLDS
BC-385
 15.0 cm, 6"



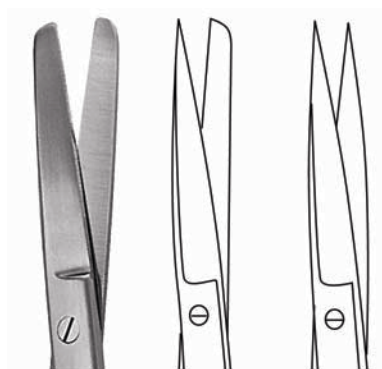
HYSTEREKTOMY
BC-386
 25.5 cm, 10"



HYSTEREKTOMY
BC-387
 25.5 cm, 9 3/4"



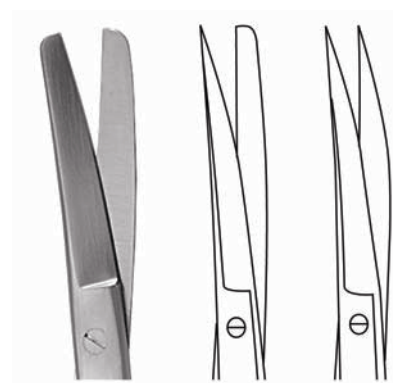
SIMS
BC-388 - 389



BC-388 20.0 cm, 8"
BC-389 23.0 cm, 9"



SIMS
BC-390 - 391



BC-390 20.0 cm, 8"
BC-391 23.0 cm, 9"

VASCULAR SCISSORS WITH TUNGSTEN CARBIDE EDGES



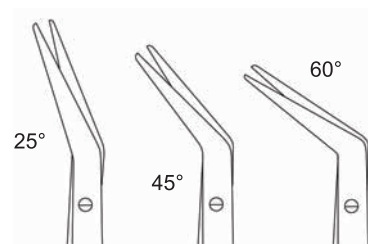
DIETRICH
BC-392
17.5 cm, 6 5/8"



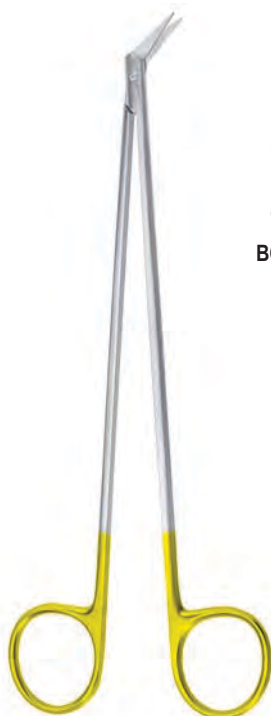
POTTS DE MARTEL
BC-393
24.0 cm, 9 1/2"



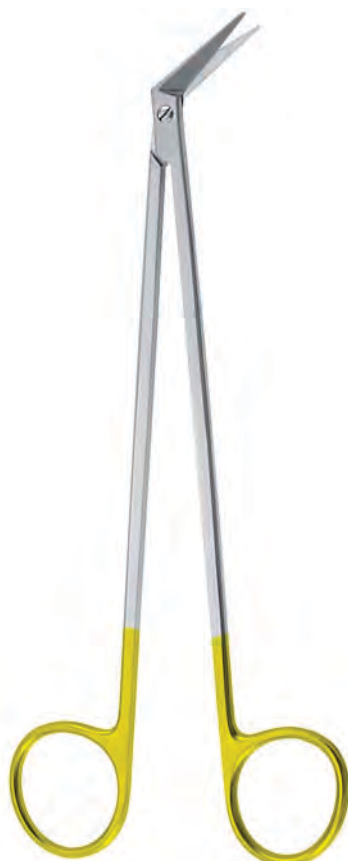
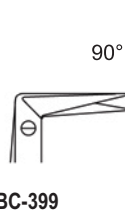
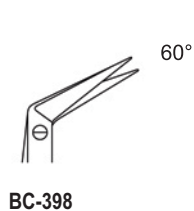
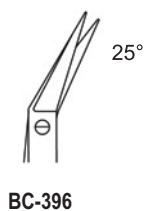
DE BAKEY
BC-394 - 395



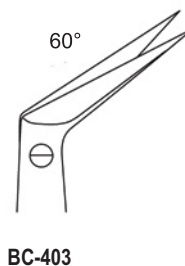
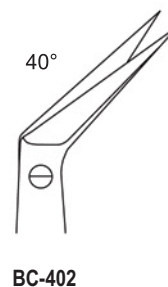
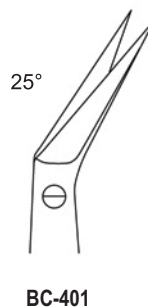
BC-394 20.0 cm, 8"
BC-395 23.0 cm, 9"



DIETRICH-HEGEMANN
BC-396 - 400
18.0 cm, 7"



POTTS-SMITH
BC-401 - 403
18.0 cm, 7½"



SCISSORS WITH TUNGSTEN CARBIDE EDGES



IRIS
BC-404 - 405
11.5 cm, 4½"



BC-404



BC-405



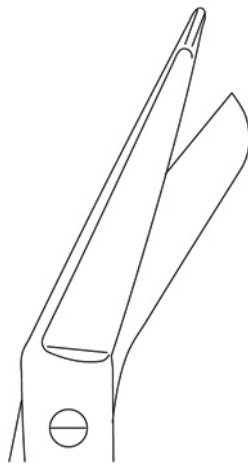
UNIVERSAL
BC-406
12.0 cm, 4 ¾"



gezahnt
serrated
dentada
dentata

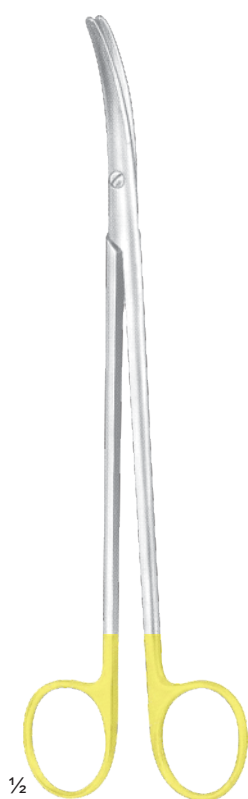


LISTER
BC-407
18.0 cm, 7"

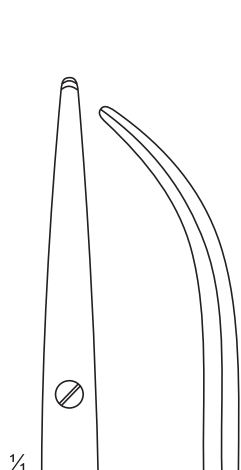


LISTER
BC-408
24.0 cm, 9½"

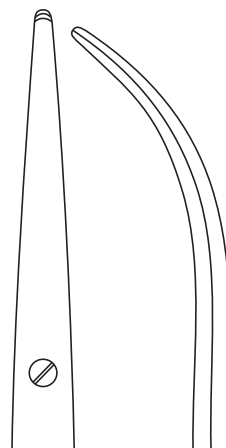




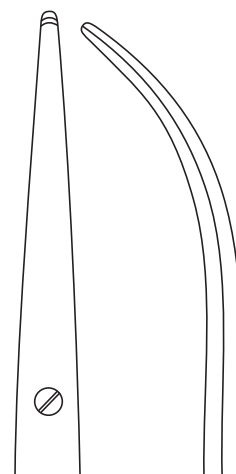
METZENBAUM-THOREK
BC-409 - BC-411



BC-409
200 mm



BC-410
230 mm



BC-411
280 mm



JOSEPH
BC-412 - 413



BC-412
14.5 cm



BC-413
14.5 cm

DELICATE DISSECTING SCISSORS WITH TUNGSTEN CARBIDE



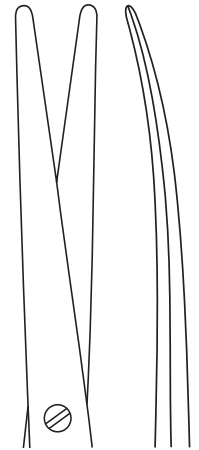
TOENNIS-ADSON
BC-414
175 mm
slender pattern



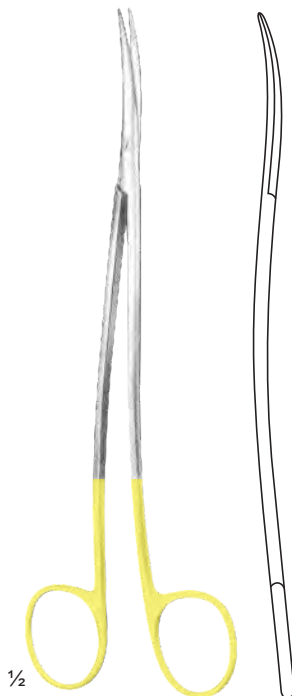
METZENBAUM-FINO
BC-415 - 416
slender pattern



BC-415
205 mm



BC-416
230 mm



METZENBAUM-FINO
BC-417 - 419
slender pattern



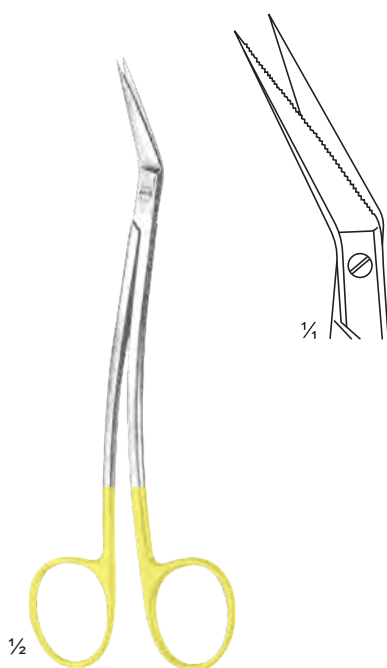
BC-417
180 mm



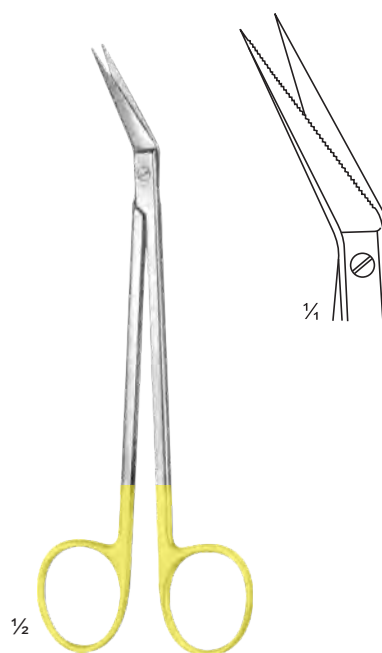
BC-418
205 mm



BC-419
230 mm



LOCKLIN
BC-420
160 mm
one toothed cutting edge

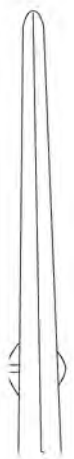


LOCKLIN
BC-421
160 mm
one toothed cutting edge

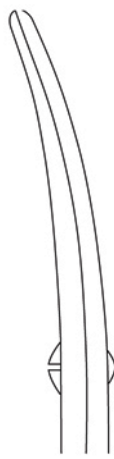
SUPER-CUT SCISSORS



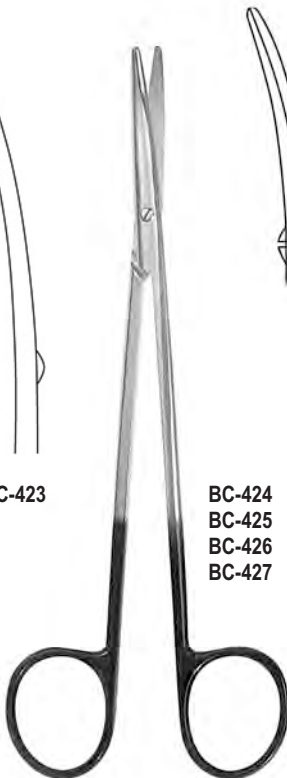
MAYO
BC-422 - 423
17.0 cm, 6 3/4"



BC-422



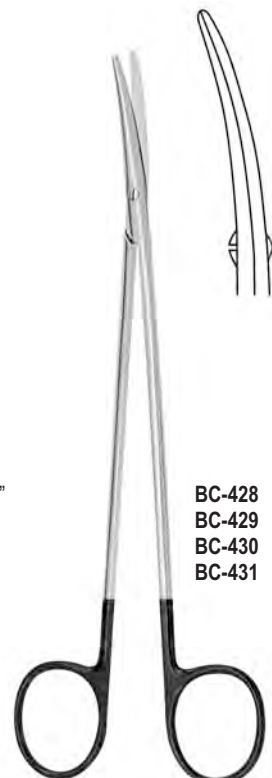
BC-423



METZENBAUM
BC-424 - 427



BC-424 14.5 cm, 5 3/4"
BC-425 18.0 cm, 7"
BC-426 20.0 cm, 8"
BC-427 23.0 cm, 9"



METZENBAUM-FINO
BC-428 - 431



BC-428 14.5 cm, 5 3/4"
BC-429 18.0 cm, 7"
BC-430 20.0 cm, 8"
BC-431 23.0 cm, 9"



KAYE FACE LIFT
BC-432 - 433



BC-432 15.0 cm, 6"
BC-433 19.0 cm, 7 1/2"



JABALEY
BC-434
13.0 cm, 5"



ENDARTERECTOMY
BC-435
18.0 cm, 7"



TOENNIS-ADSON
BC-436
17.0 cm, 6 3/4"





BC-437



BC-438



JAMISON
BC-439 15.0 cm, 6"
BC-440 18.0 cm, 7"



REYNOLDS
BC-441
12.5 cm, 5"



BABY-METZENBAUM
BC-442 11.0 cm, 4 3/8"
BC-443 14.5 cm, 5 3/4"



IRIS
BC-444
11.0 cm, 4 3/8"



IRIS
BC-445
11.0 cm, 4 3/8"



STEVENS TENOTOMY
BC-446
11.0 cm, 4 3/8"



STEVENS TENOTOMY
BC-447
11.0 cm, 4 3/8"



SUPER-CUT SCISSORS



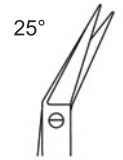
PAR TYPE
BC-448
12.0 cm, 4 3/4"



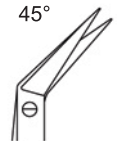
PAR TYPE
BC-449
12.0 cm, 4 3/4"



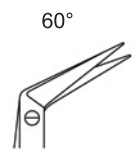
POTTS
BC-450 - 452
19.0 cm, 7 1/2"



BC-450



BC-451



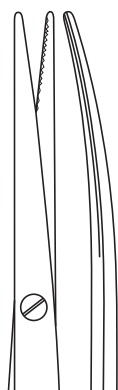
BC-452



BC-453
14.5 cm, 5 3/4"



COTTLE
BC-454
16.5 cm, 6 1/2"



BC-455
14.5 cm



BC-456
18 cm



BC-457
20.5 cm



BC-458
23 cm



BC-459
25 cm



BC-460
30 cm



LIGATURE SCISSORS
BC-455 - 460
for synthetic suture material,
one toothed cutting edge



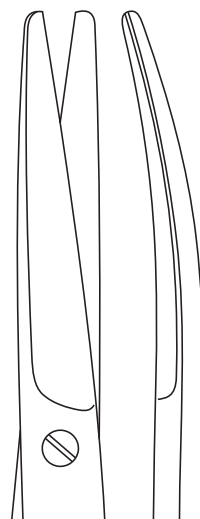
LIGATURE SCISSORS WITH
TUNGSTEN CARBIDE AND SUPER-CUT EDGES



LIGATURE SCISSORS
BC-461 - 463
for synthetic suture material,
one toothed cutting edge



BC-461
14.5 cm



BC-462
17 cm

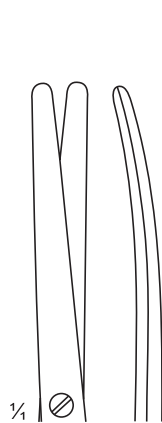


BC-463
23 cm



IRIS
BC-464
11.5 cm





BC-465
18 cm



BC-466
20 cm



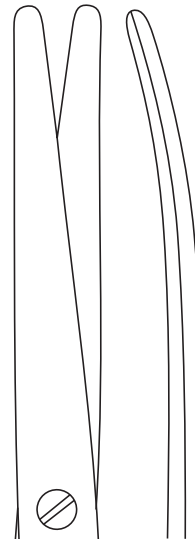
BC-467
23 cm



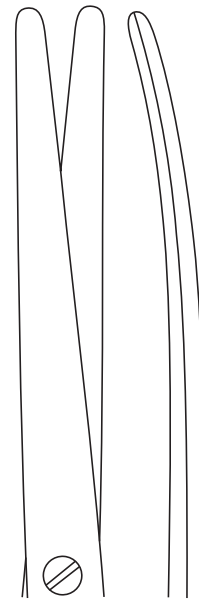
METZENBAUM
BC-465 - 470



BC-468
26 cm



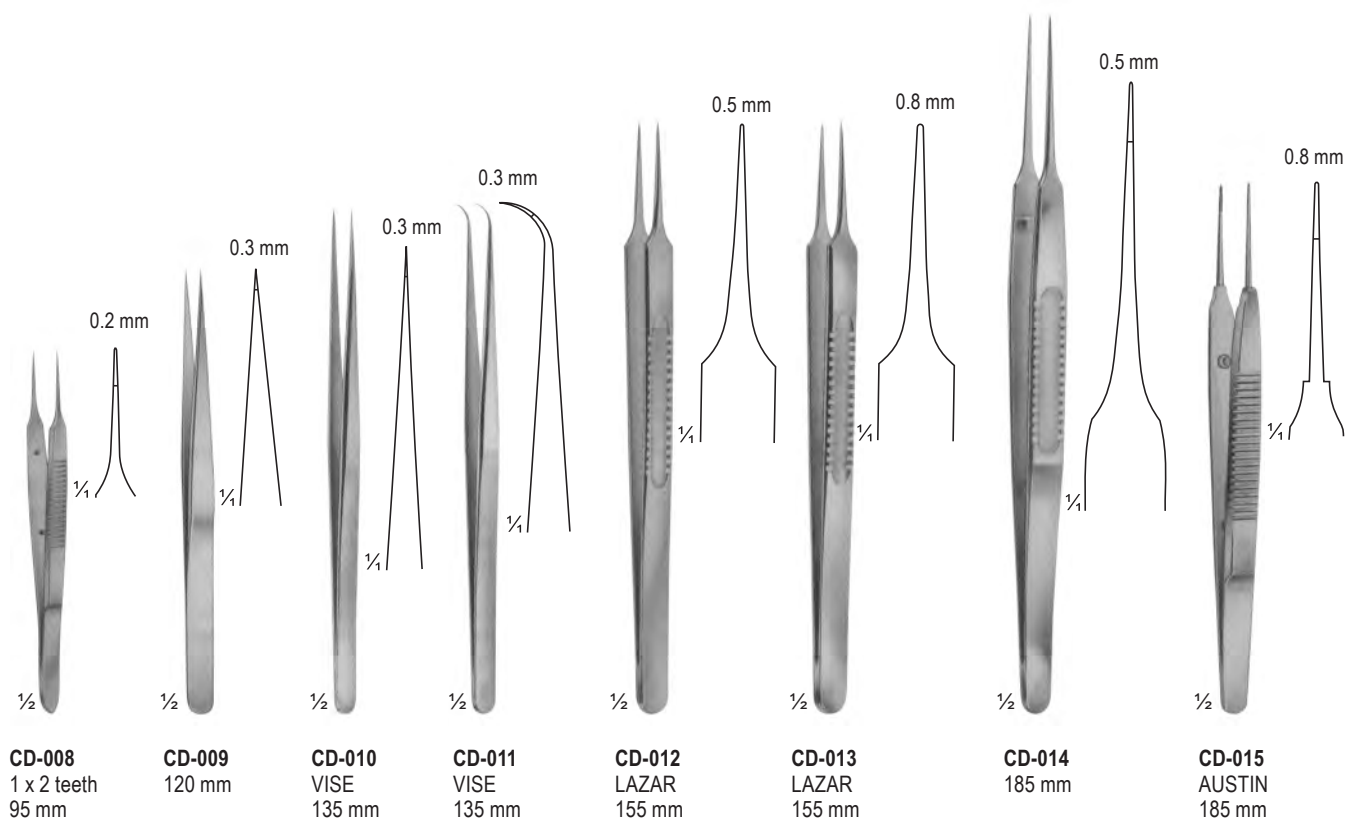
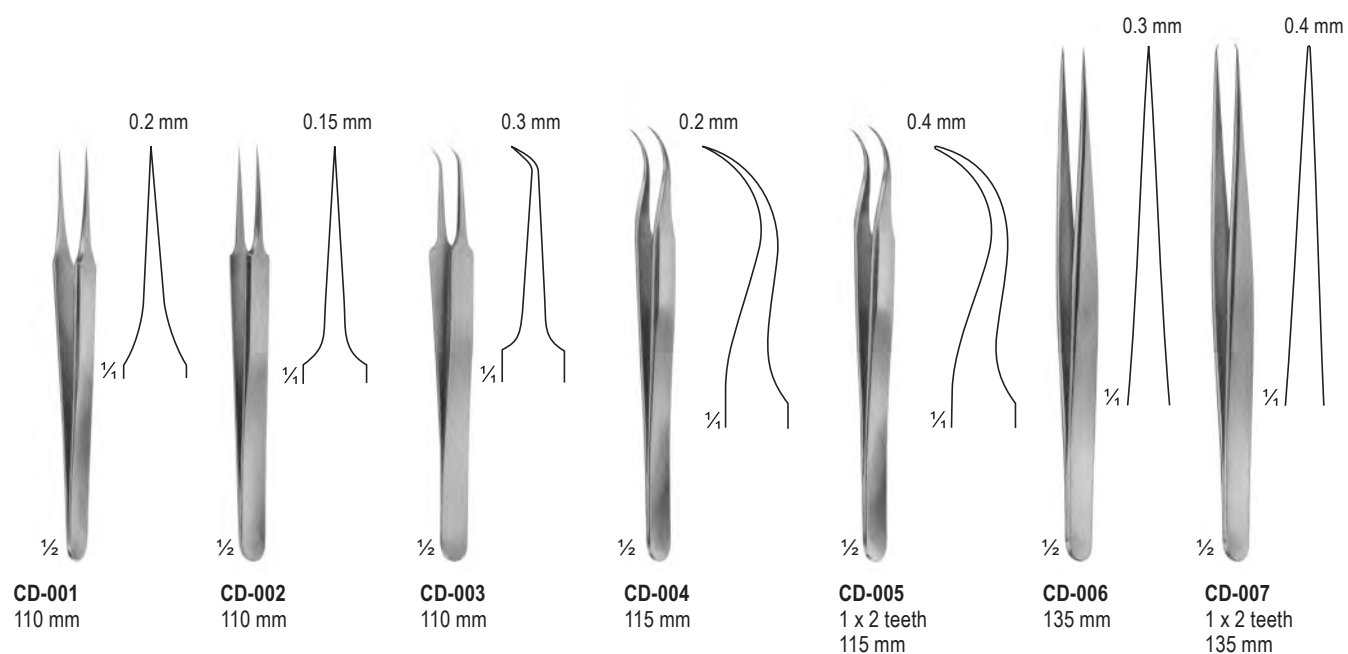
BC-469
28.5 cm



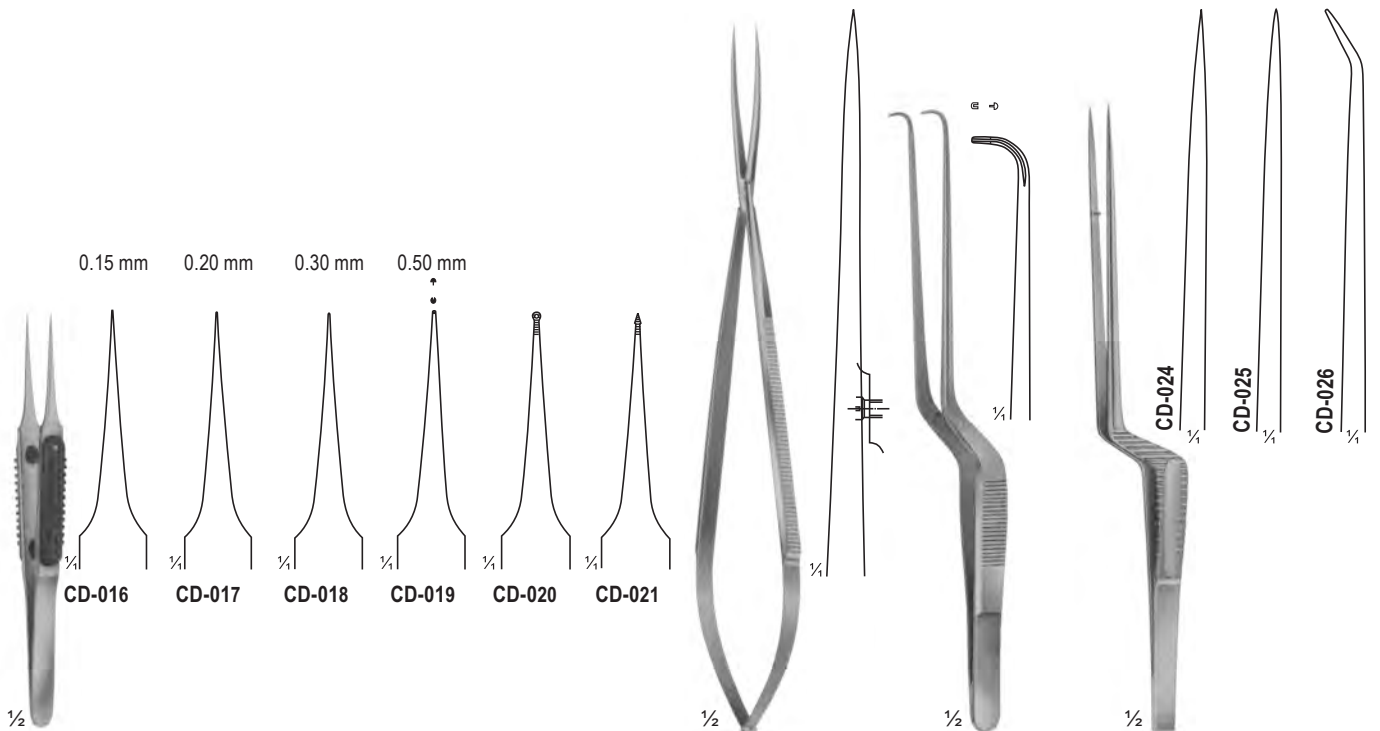
BC-470
31 cm

Page 71–87

- Dissecting and Tissue Forceps



LIGATURE FORCEPS, MICRO FORCEPS (LIGHT PATTERNS)

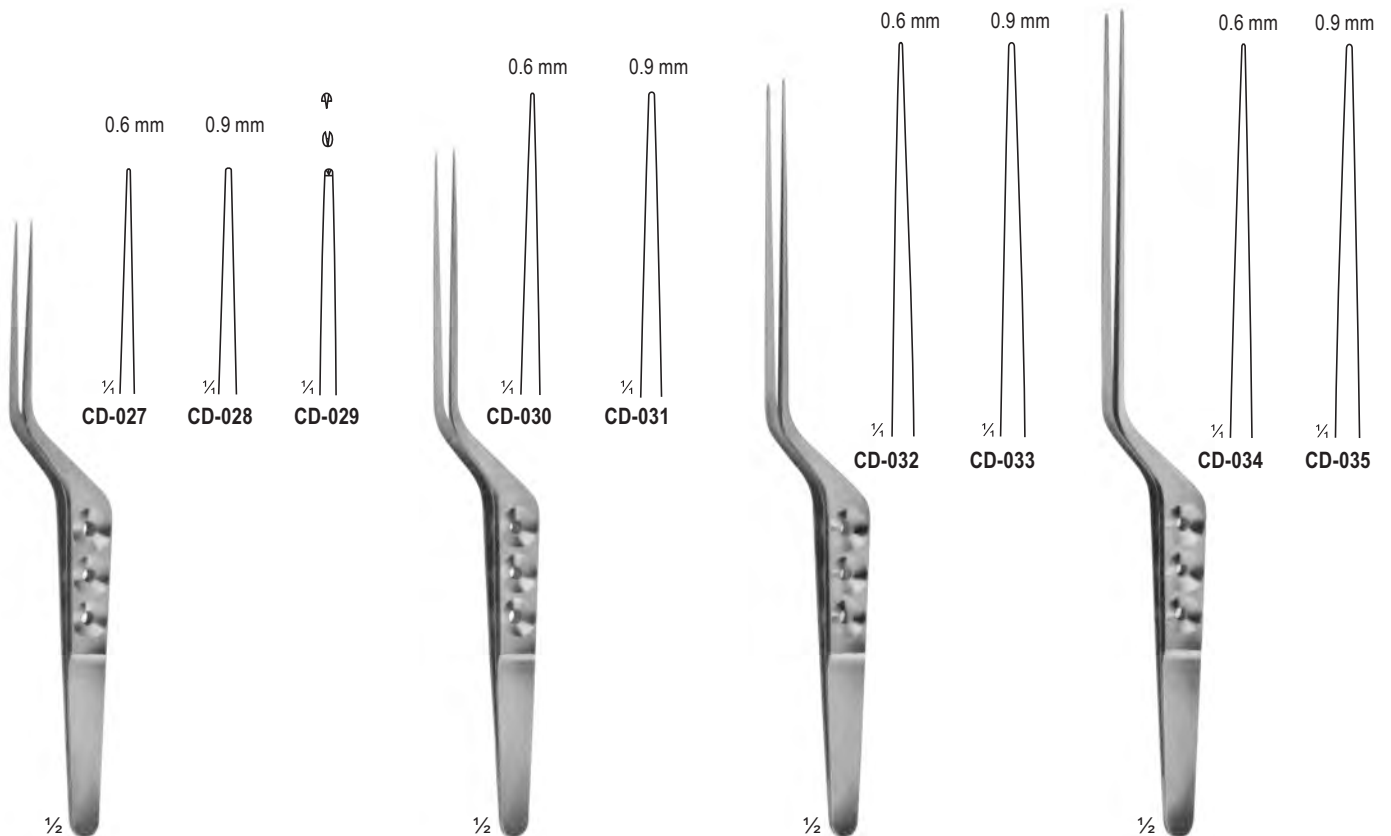


CD-016 - CD-021
MULLER
110 mm

CD-022
LIGATURE FORCEPS
220 mm

CD-023
YASARGIL
185 mm

CD-024 - CD-026
MICRO FORCEPS
185 mm



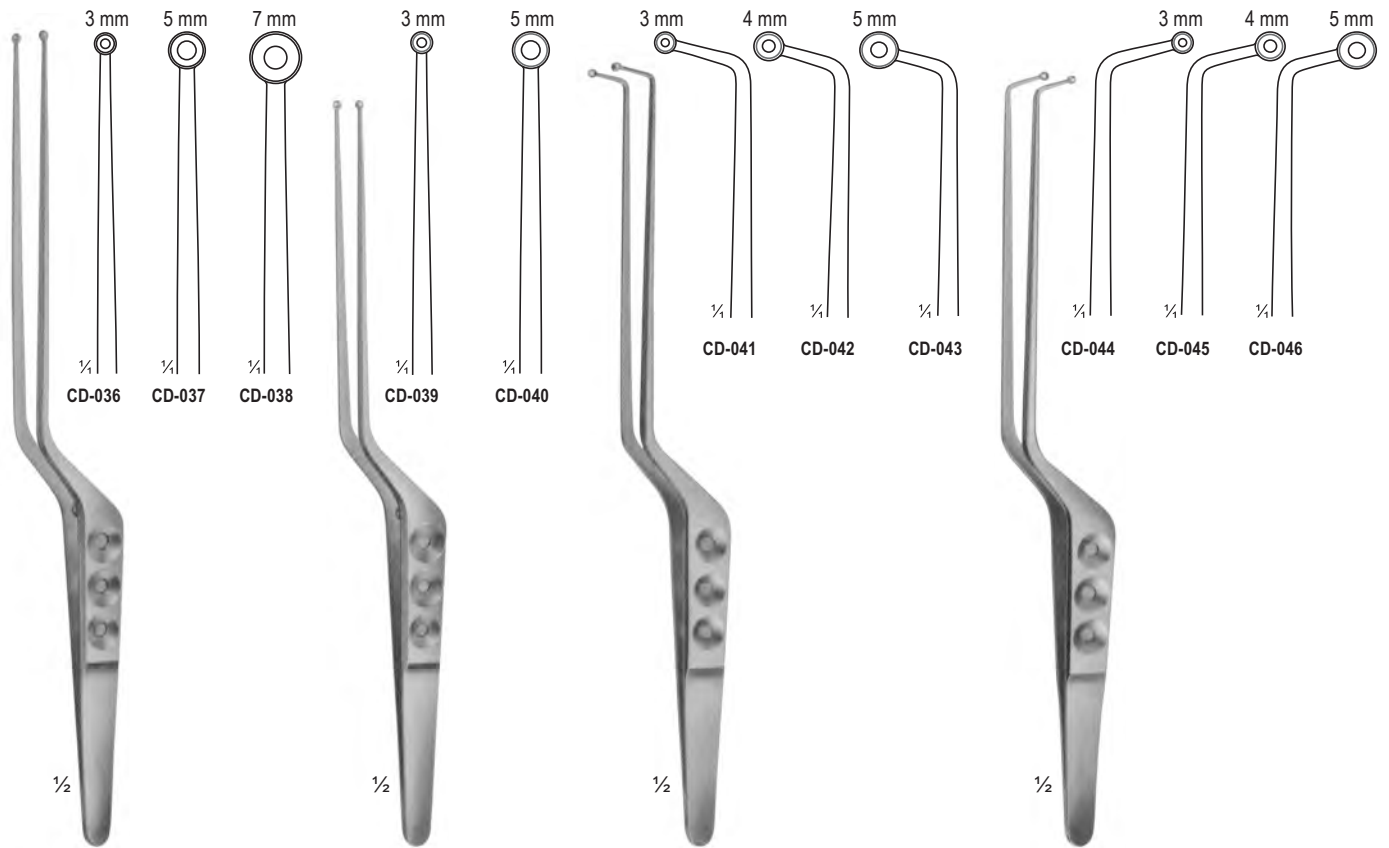
CD-027 - CD-029
YASARGIL
180 mm

CD-030 - CD-031
YASARGIL
200 mm

CD-032 - CD-033
YASARGIL
220 mm

CD-034 - CD-035
YASARGIL
240 mm

FORCEPS FOR GRASPING TISSUE AND TUMORS

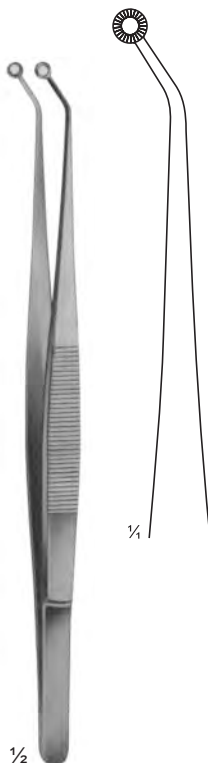


CD-036 - CD-038
YASARGIL-SAMI
Jaws Spoon-Shaped
240 mm

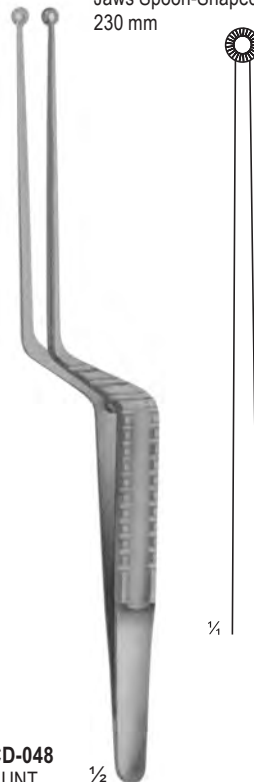
CD-039 - CD-040
YASARGIL
Jaws Spoon-Shaped
220 mm

CD-041 - CD-043
SAMII
Jaws Spoon-Shaped
230 mm

CD-044 - CD-046
SAMII
Jaws Spoon-Shaped
230 mm



CD-047
HUNT
Tumor and Vessel Forceps
200 mm

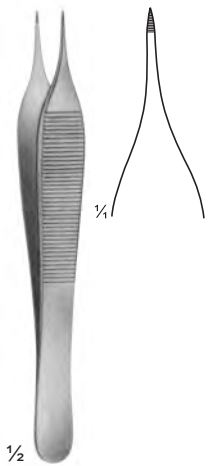


CD-048
HUNT
Tumor and Vessel Forceps
200 mm

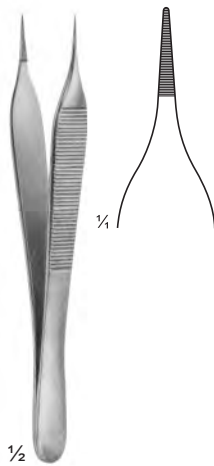


CD-049
YASARGIL
Tumor and Vessel Forceps
200 mm

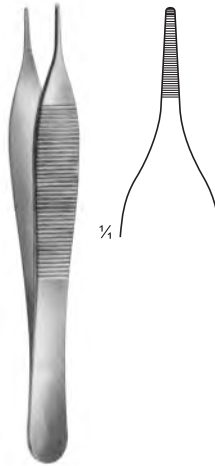
DELICATE, DISSECTING, MICROSCOPIC AND STERILIZING FORCEPS



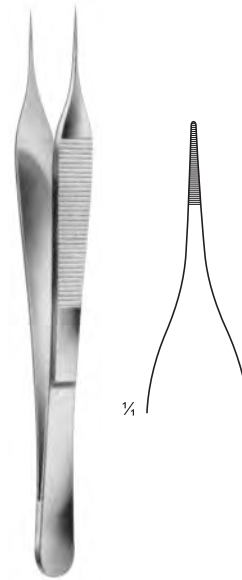
CD-050
THORPE
Corneal Forceps
120 mm



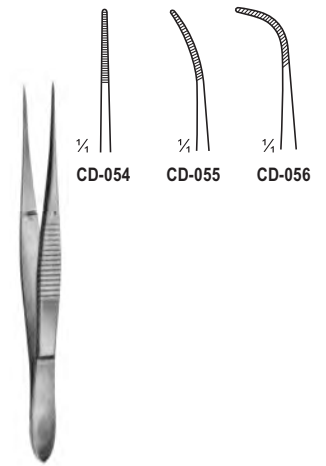
CD-051
MICRO-ADSON
120 mm



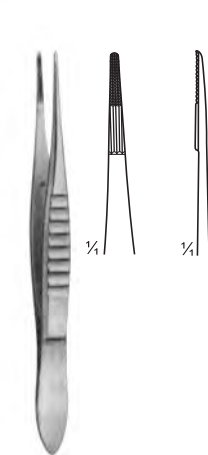
CD-052
ADSON
120 mm



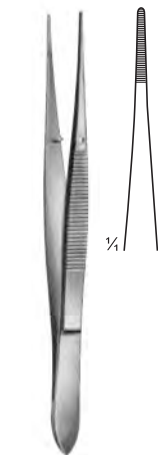
CD-053
MICRO-ADSON
150 mm



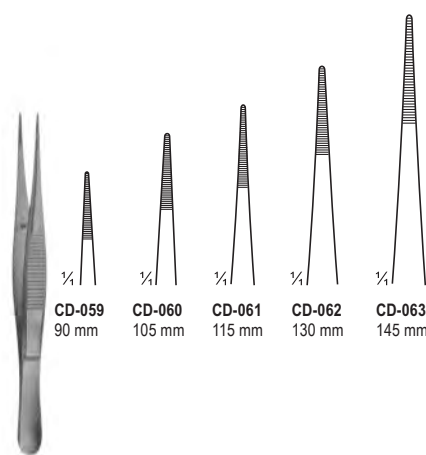
CD-054 - CD-056
100 mm



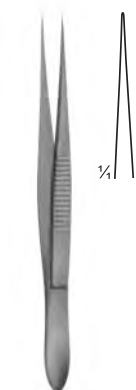
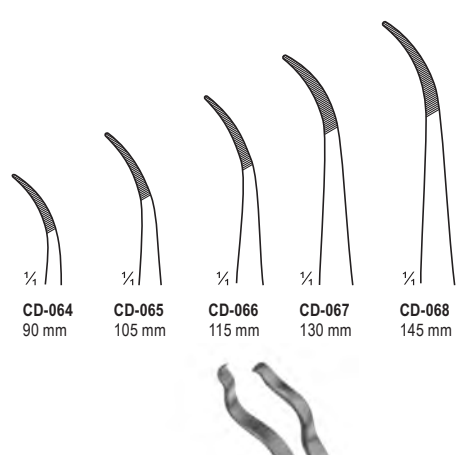
CD-057
110 mm



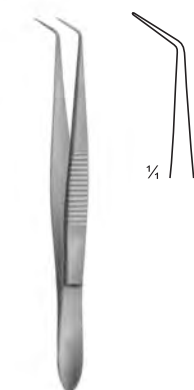
CD-058
115 mm



CD-059 - CD-068



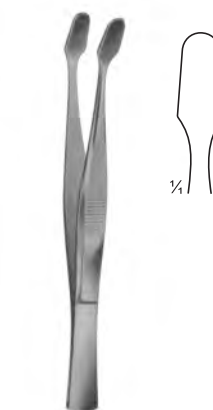
CD-069
100 mm



CD-070
100 mm



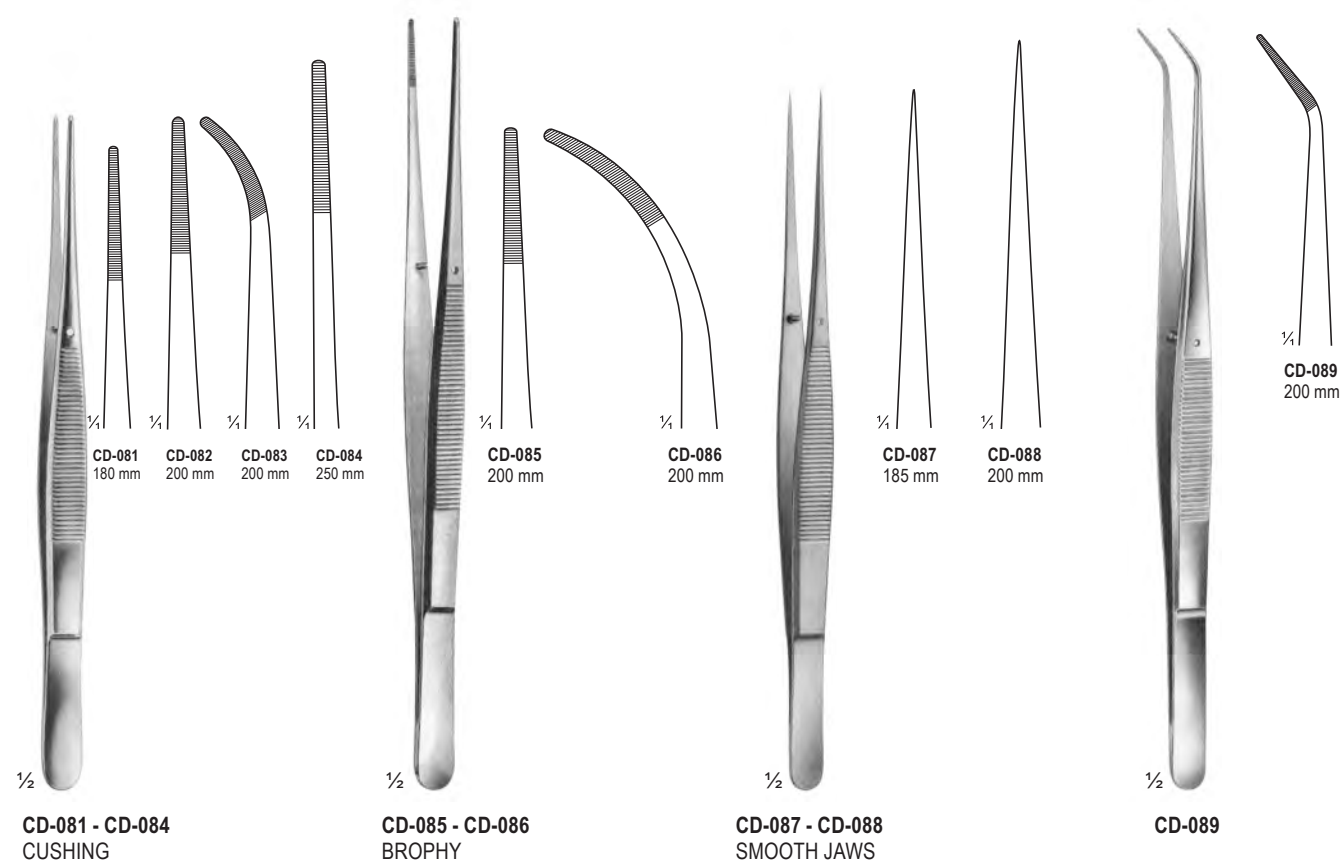
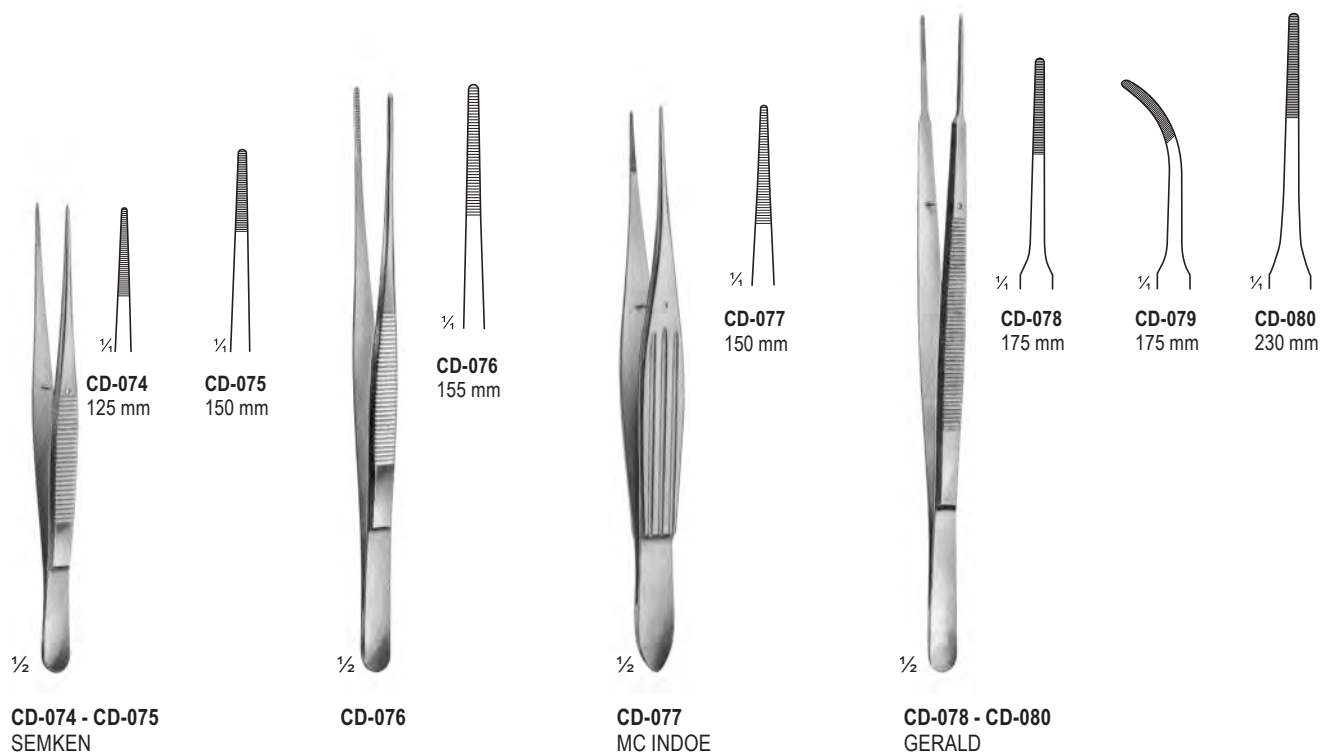
CD-071
100 mm



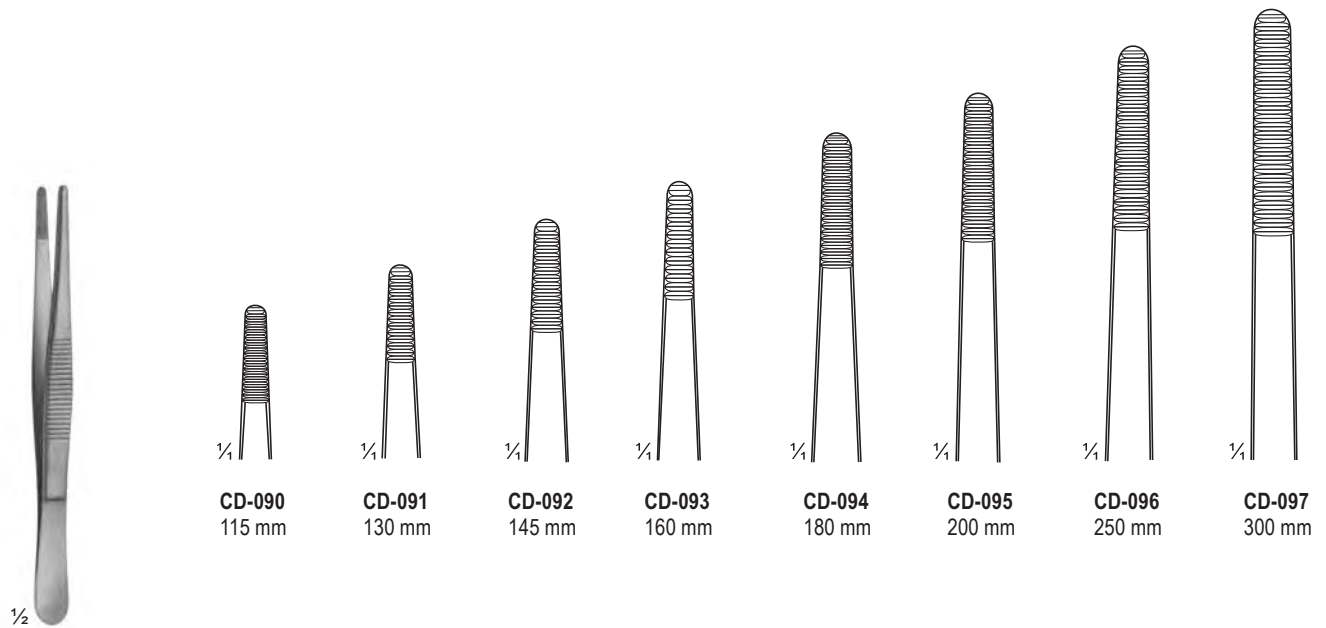
CD-072
COVER GLASS FORCEPS
105 mm



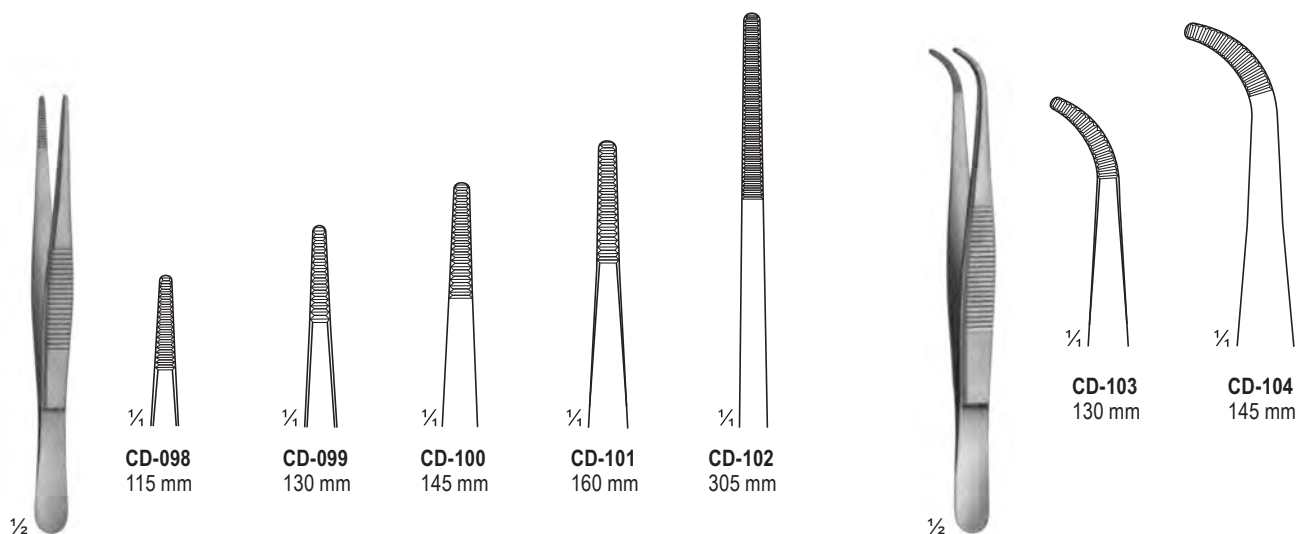
CD-073
160 mm



DISSECTING FORCEPS

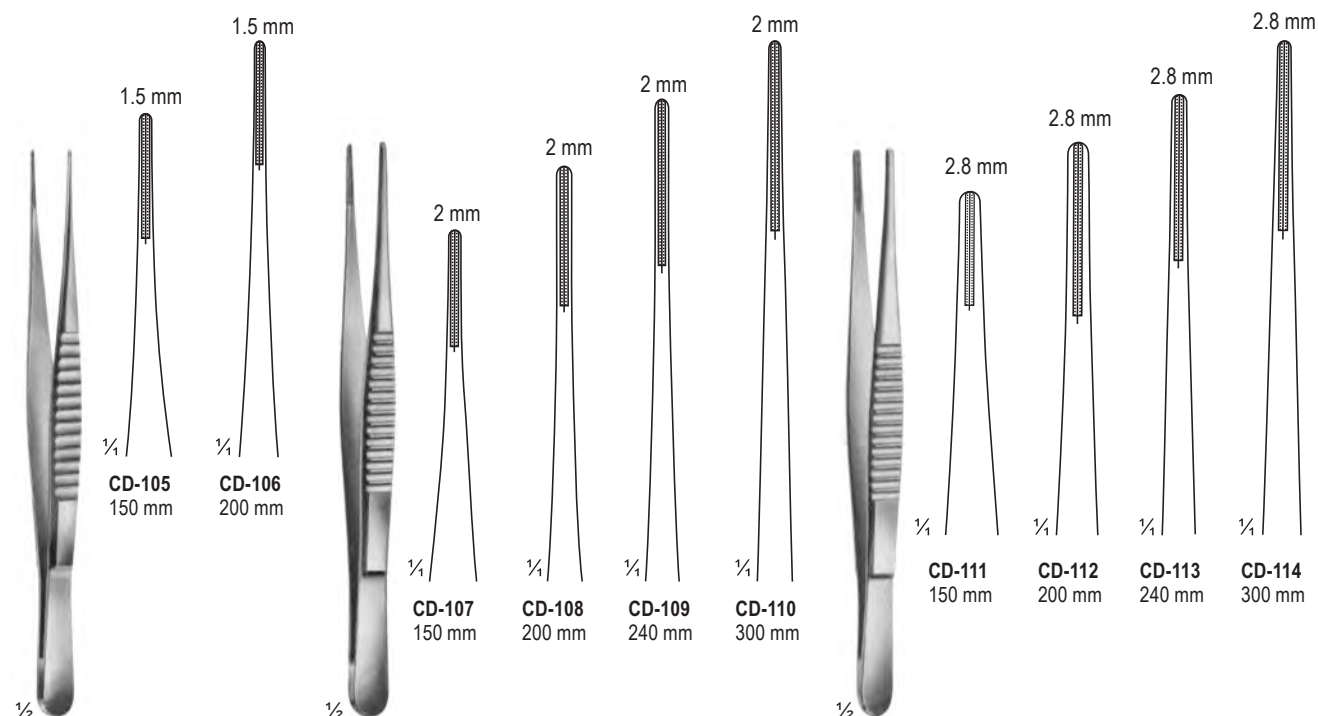


CD-090 - CD-097
STANDARD



CD-098 - CD-102
MEDIUM

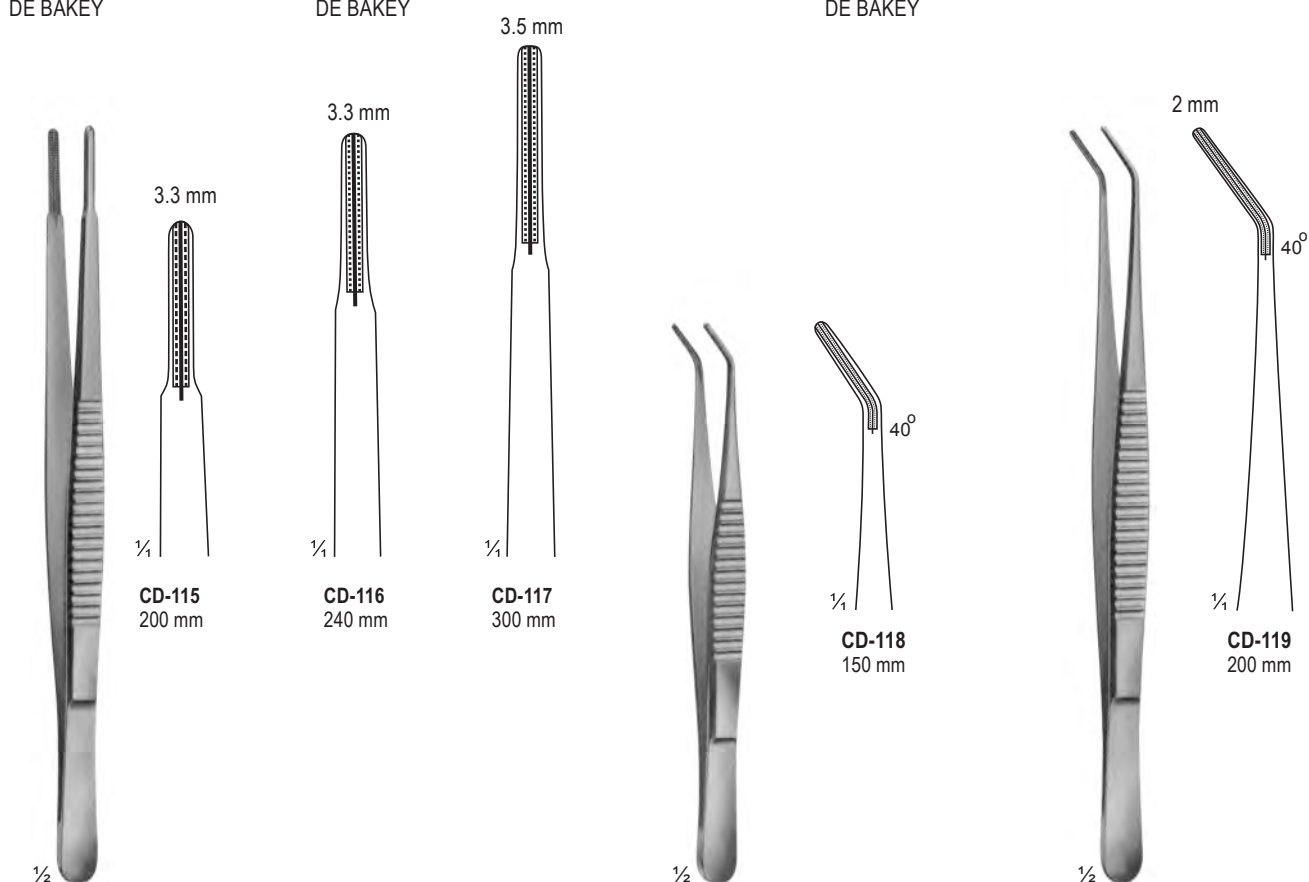
CD-103 - CD-104
MEDIUM



CD-105 - CD-106
DE BAKEY

CD-107 - CD-110
DE BAKEY

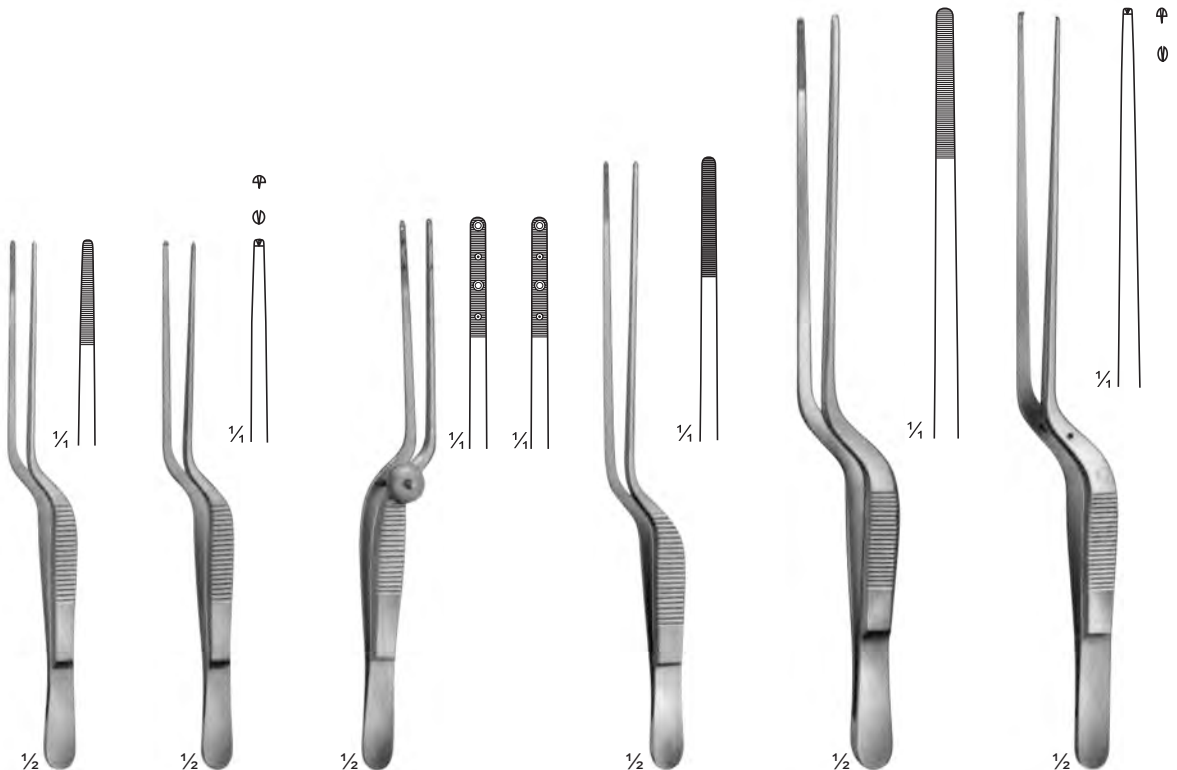
CD-111 - CD-114
DE BAKEY



CD-115 - CD-117
DE BAKEY

CD-118
DE BAKEYCD-119
DE BAKEY

FORCEPS, BAYONET – SHAPED



CD-120
LUCAE
140 mm

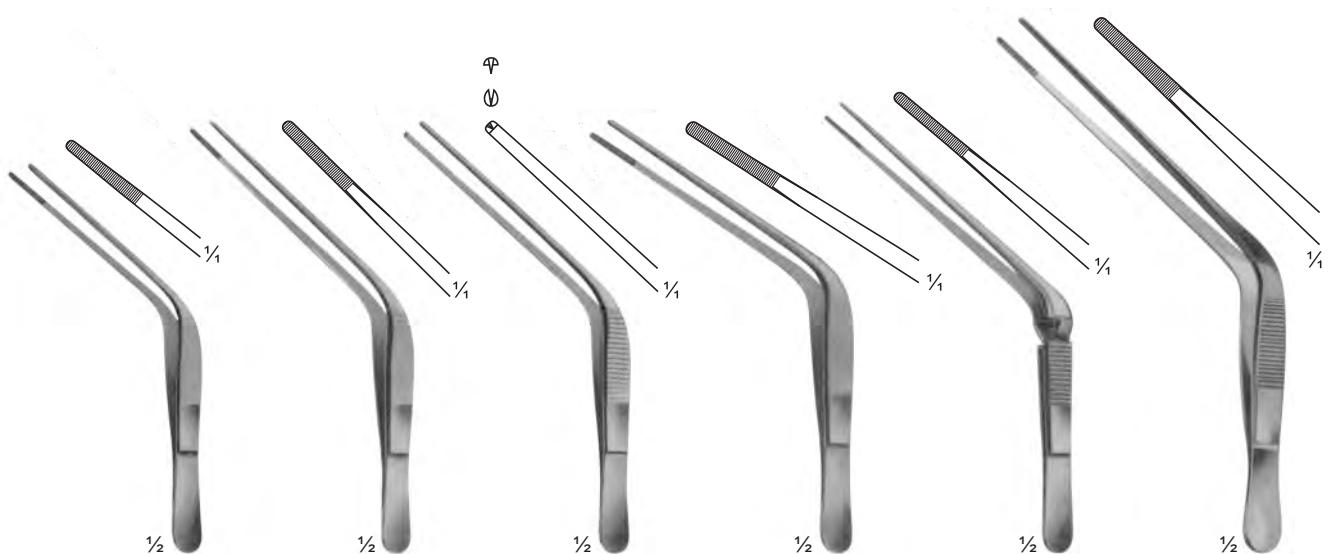
CD-121
LUCAE
1x2 teeth
140 mm

CD-122
COTTLE
Forceps with
jaws toothed
and serrated
140 mm

CD-123
JANSEN
160 mm

CD-124
GRUENWALD
200 mm

CD-125
1x2 teeth
200 mm



CD-126
TROELTSCH
100 mm

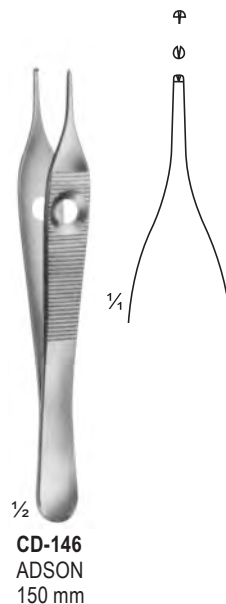
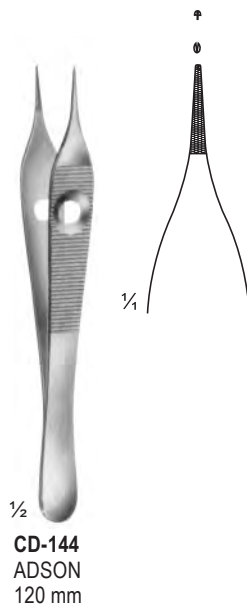
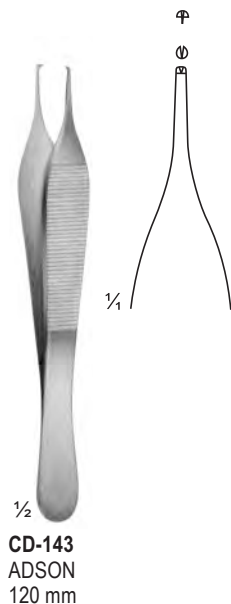
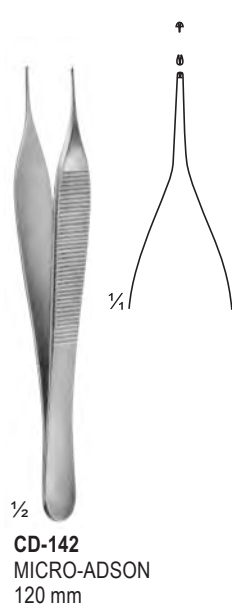
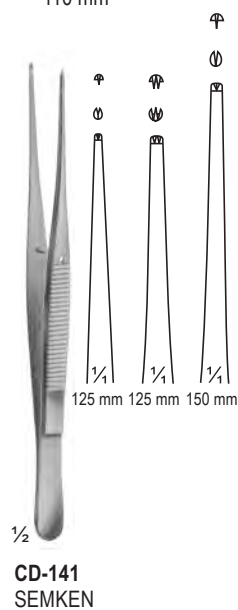
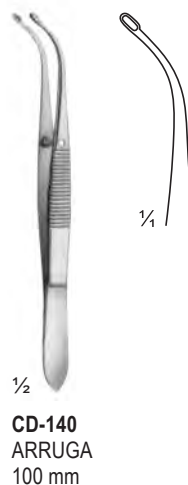
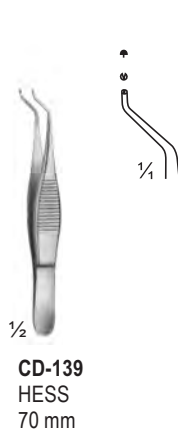
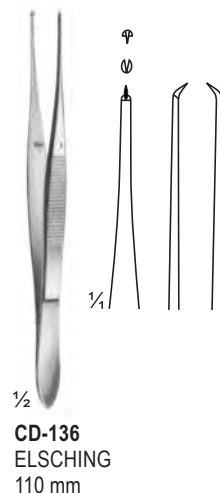
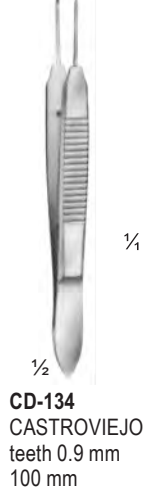
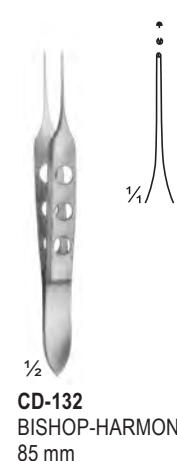
CD-127
TROELTSCH
115 mm

CD-128
TROELTSCH
1X2 teeth
115 mm

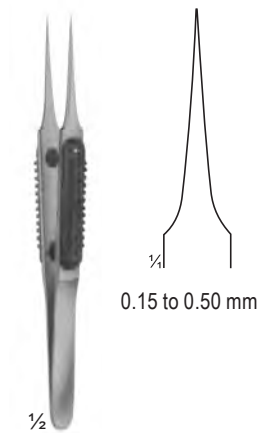
CD-129
WILDE
115 mm

CD-130
TROELTSCH
Cross action
120 mm

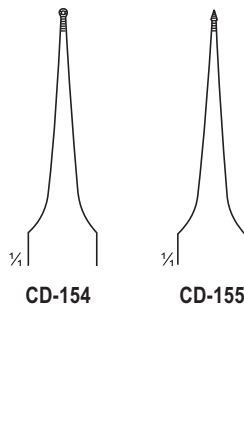
CD-131
TROELTSCH
140 mm



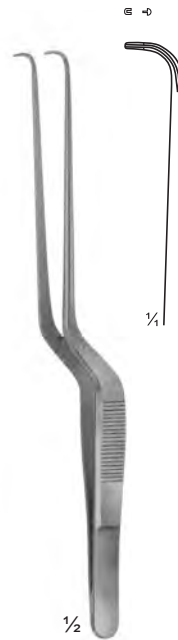
LIGATURE FORCEPS, MICRO FORCEPS (LIGHT PATTERNS)



MULLER
CD-147
110 mm 0.15 mm
CD-148
110 mm 0.20 mm
CD-149
110 mm 0.30 mm
CD-150
110 mm 0.50 mm
CD-151



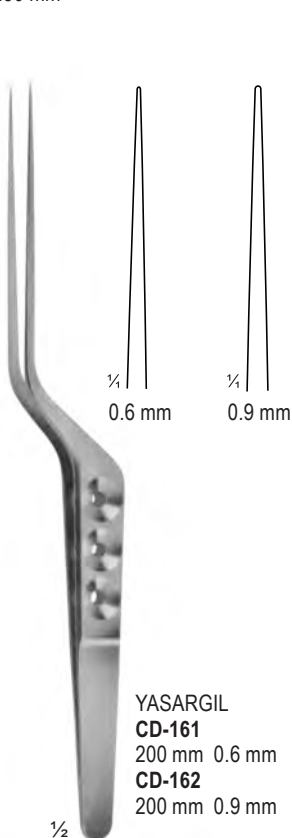
MULLER
CD-152
110 mm
CD-153
110 mm



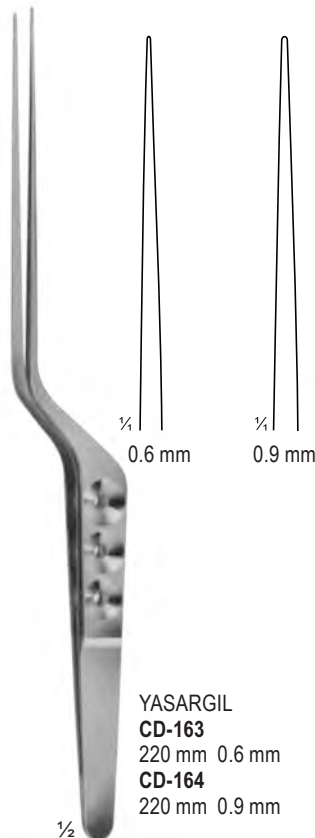
YASARGIL
CD-156
185 mm



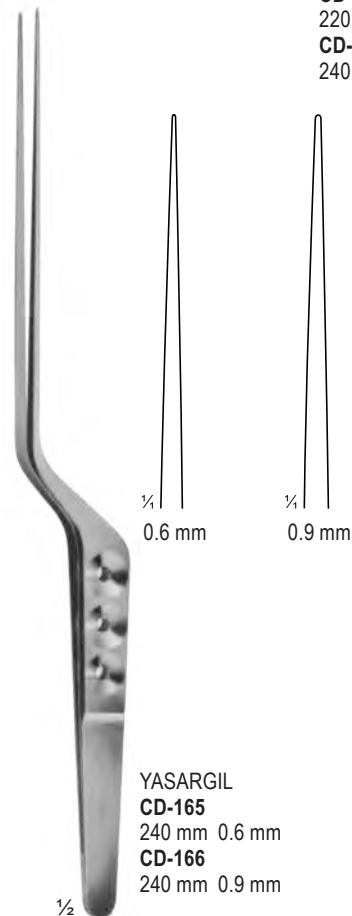
YASARGIL
CD-157
180 mm
CD-158
200 mm
CD-159
220 mm
CD-160
240 mm



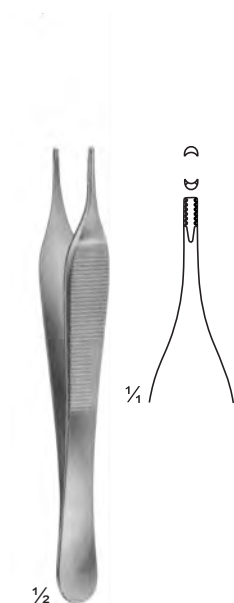
YASARGIL
CD-161
200 mm 0.6 mm
CD-162
200 mm 0.9 mm



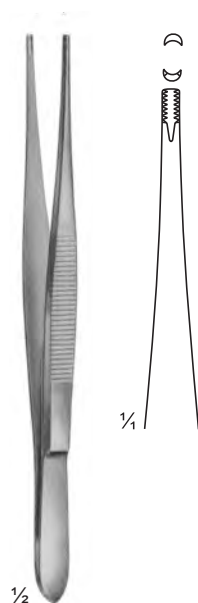
YASARGIL
CD-163
220 mm 0.6 mm
CD-164
220 mm 0.9 mm



YASARGIL
CD-165
240 mm 0.6 mm
CD-166
240 mm 0.9 mm



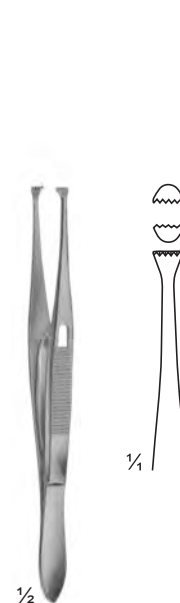
**CD-167
ADSON - BROWN**
Non-traumatic
120 mm



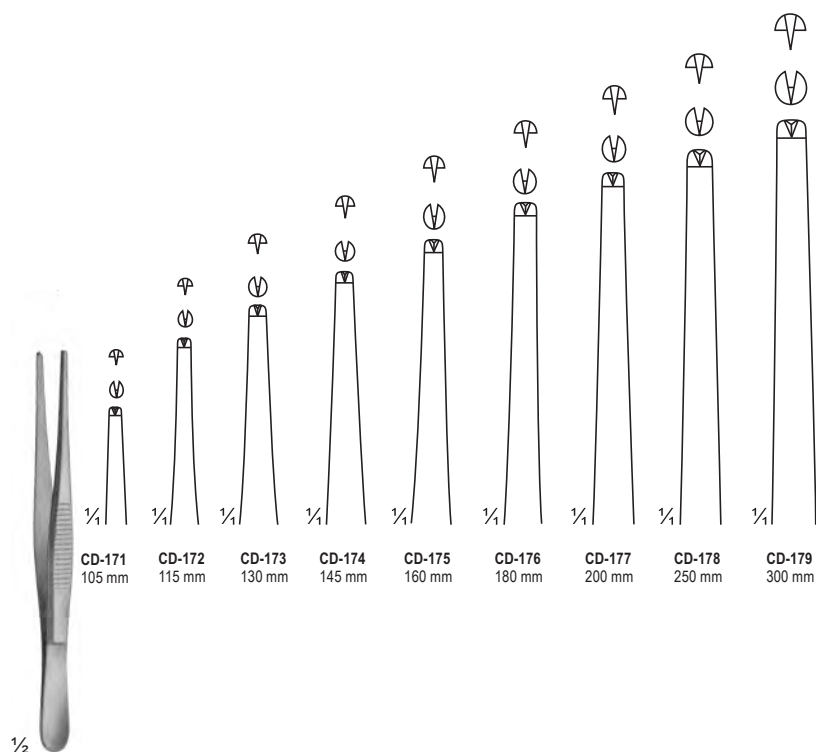
**CD-168
BROWN**
120 mm



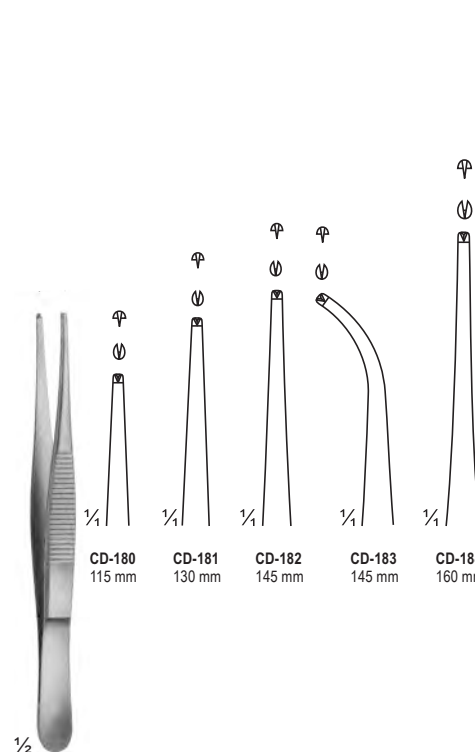
**CD-169
GRAEFE**
110 mm



**CD-170
GRAEFE**
With Catch
110 mm



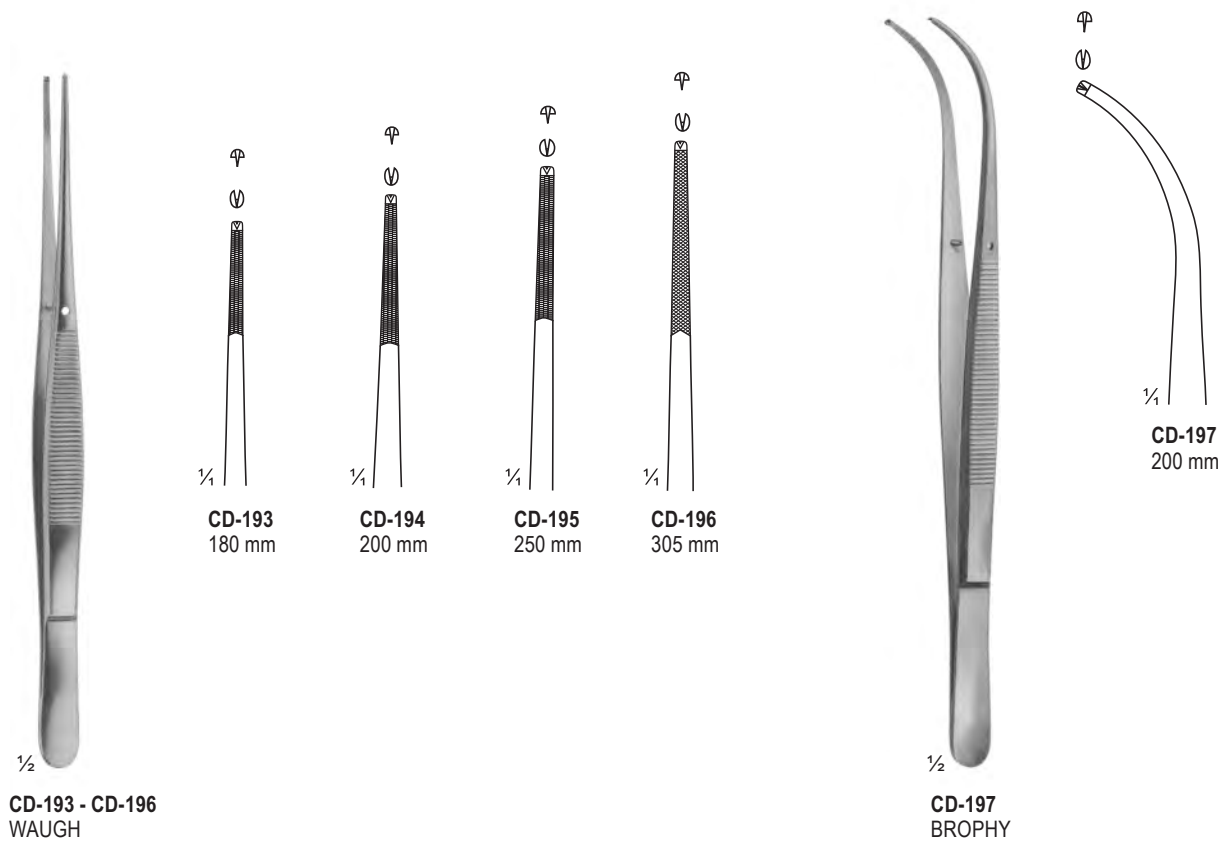
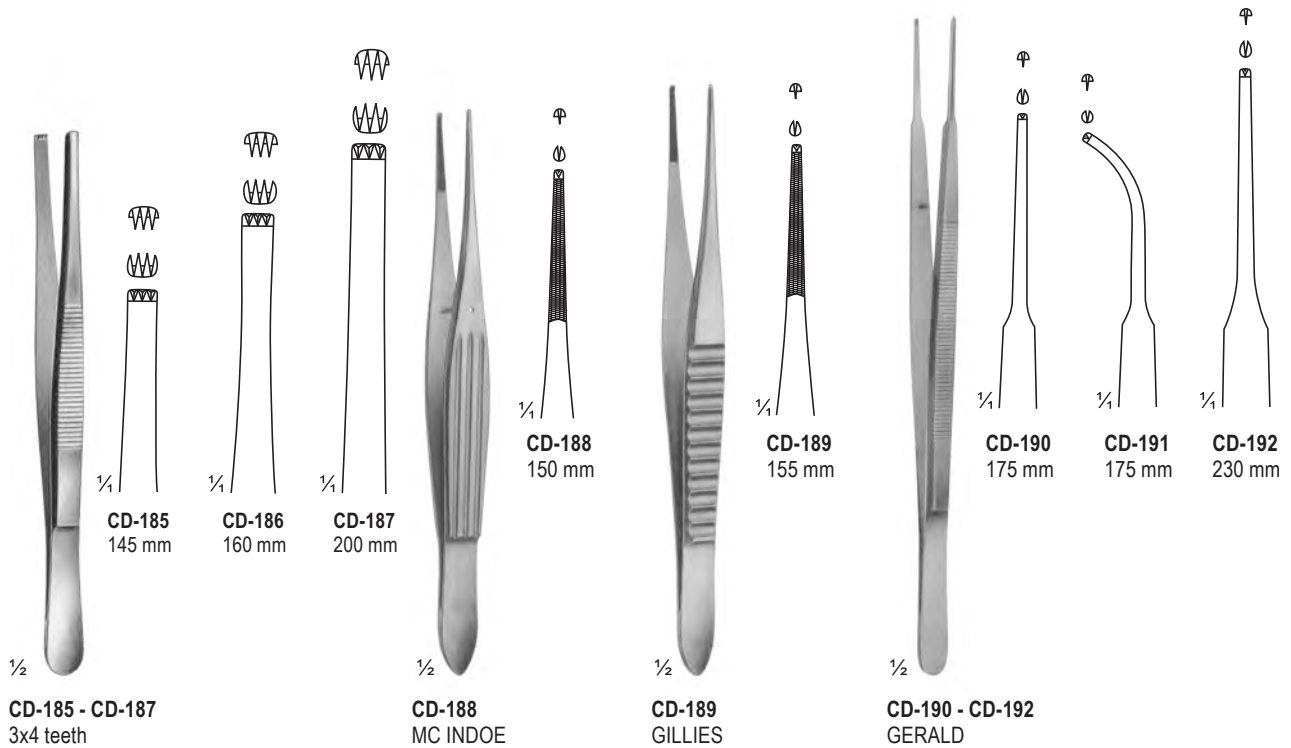
**CD-171 - CD-179
STANDARD**

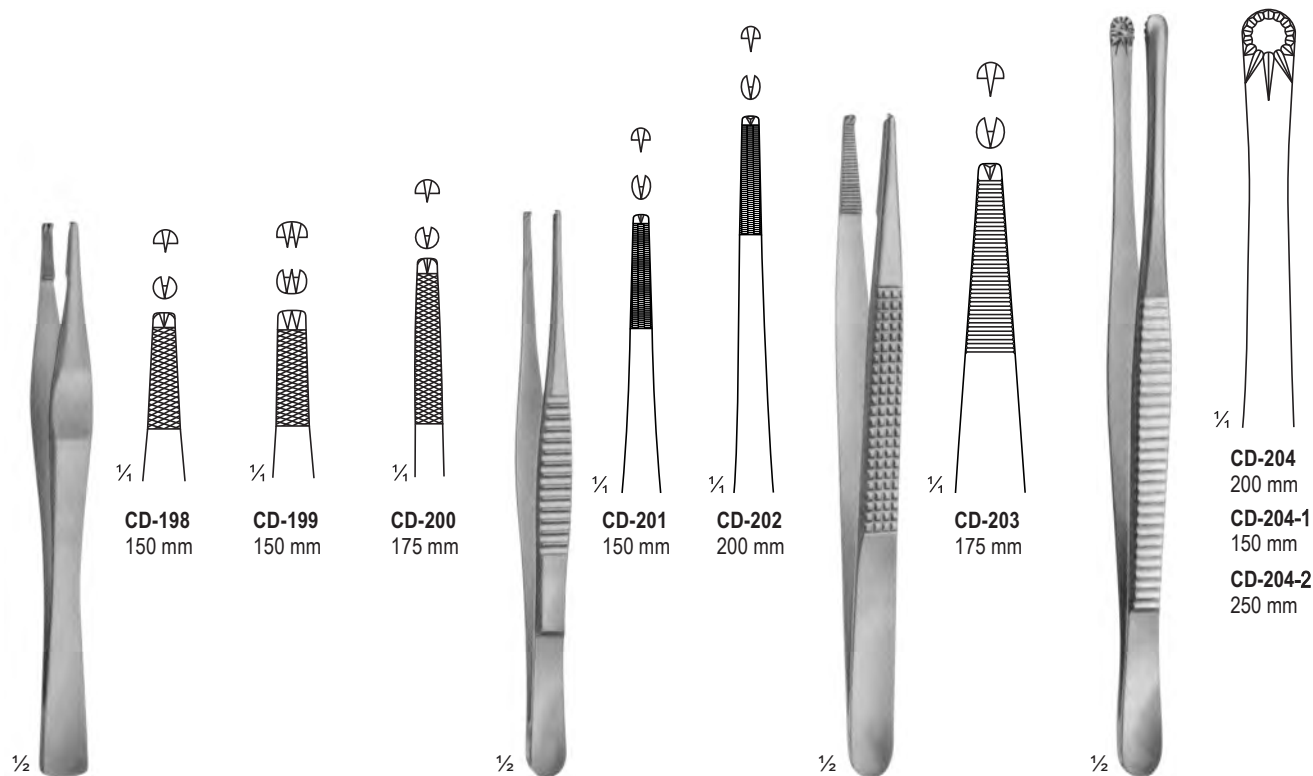


**CD-180 - CD-184
GRAEFE**
110 mm



TISSUE FORCEPS



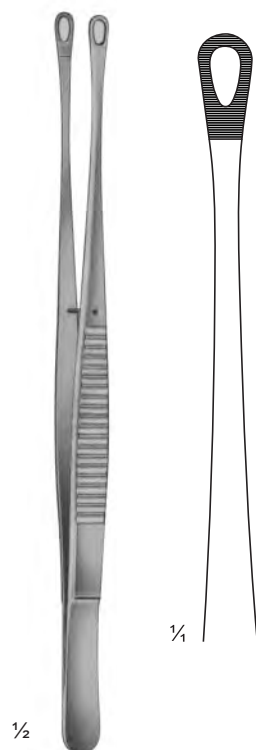


CD-198 - CD-200
LANE

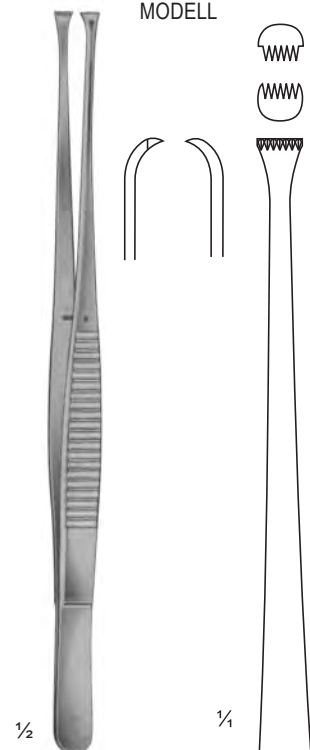
CD-201 - CD-202
STRASSBURGER
MODELL

CD-203
BONNEY

CD-204
RUSS.MODELL
200 mm



CD-205
TUTTLE
Lung Dissecting Forceps
230 mm

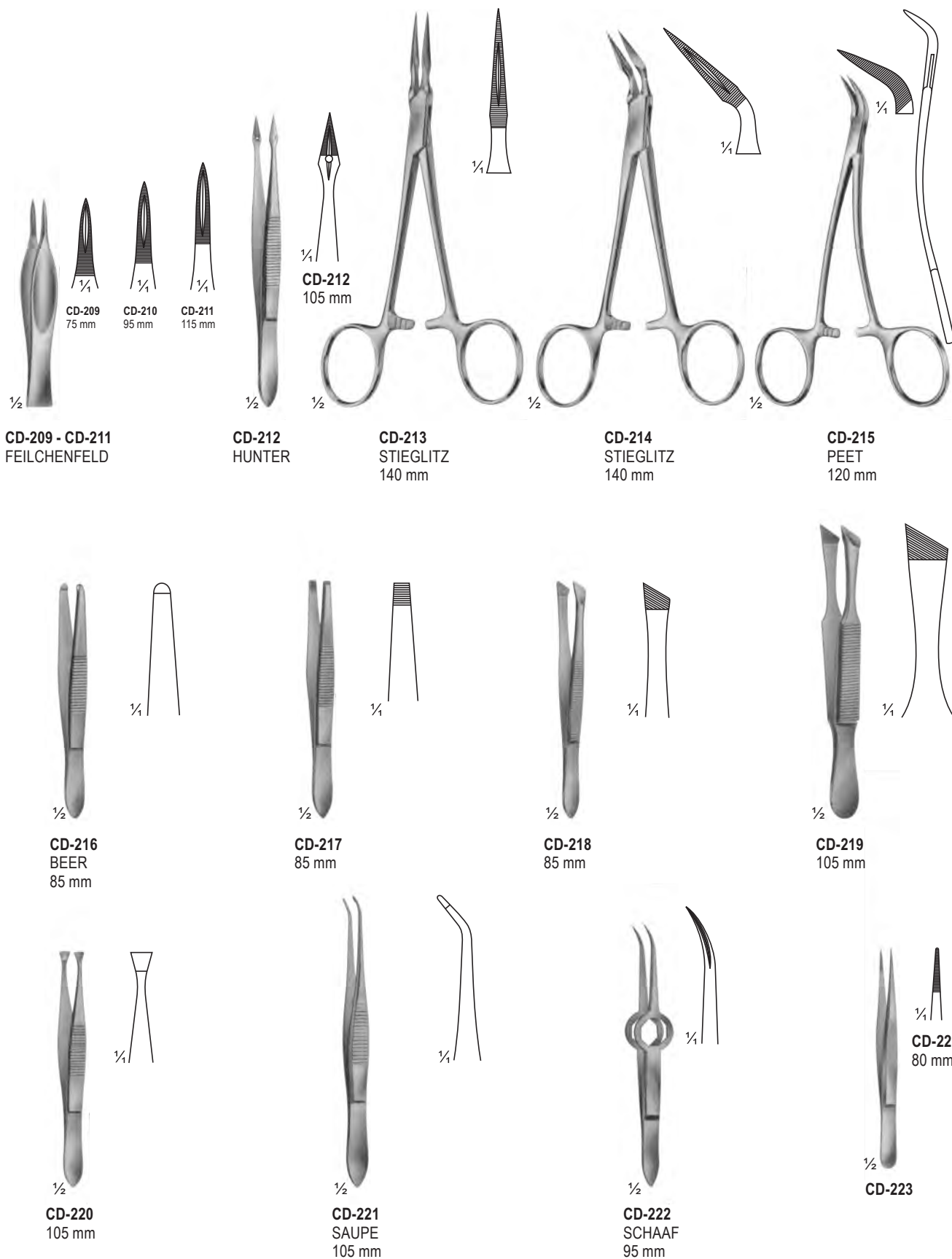


CD-206
NELSON
Lung Dissecting Forceps
230 mm

CD-207
DUVAL
Intestinal Forceps
140 mm

CD-208
DENIS-BROWNE
Intestinal Forceps
190 mm

SPLINTER AND CILIA FORCEPS





STANDARD

CD-224	14.5 cm, 5 3/4"
CD-225	16.0 cm, 6 1/4"
CD-226	18.0 cm, 7"
CD-227	20.0 cm, 8"
CD-228	25.0 cm, 10"
CD-229	30.0 cm, 12"



STANDARD

CD-230	14.5 cm, 5 3/4"
CD-231	16.0 cm, 6 1/4"
CD-232	18.0 cm, 7"
CD-233	20.0 cm, 8"
CD-234	25.0 cm, 10"
CD-235	30.0 cm, 12"



STANDARD

CD-236	12.5 cm, 5"
CD-237	15.0 cm, 6"



STANDARD

CD-238	15.0 cm, 6"
CD-239	23.0 cm, 9"
CD-240	25.0 cm, 10"

FORCEPS WITH TUNGSTEN CARBIDE INSERTS



GILLIES
CD-241
15.0 cm, 6"



MC INDOE
CD-242
15.0 cm, 6"



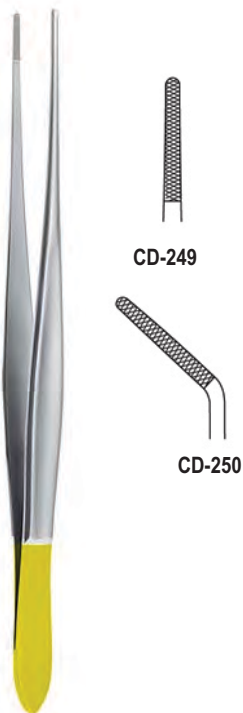
GERALD
CD-243 - CD-244
17.0 cm, 6 3/4"



POTTS-SMITH
CD-245 15.0 cm, 6"
CD-246 18.0 cm, 7"
CD-247 20.0 cm, 8"



BONNEY
CD-248
17.5 cm, 6 5/8"



CUSHING
CD-249 - CD-250
17.5 cm, 6 5/8"



CUSHING-TAYLOR
CD-251
18.0 cm, 7"



ADSON
CD-252 - CD-255
17.5 cm, 6 5/8"

CD-252
12.0 cm, 4 3/4"
CD-253
12.0 cm, 4 3/4"
CD-254
15.0 cm, 6"
CD-255
15.0 cm, 6"



DE BAKEY
CD-256
150 mm
CD-257
200 mm
CD-258
250 mm



DE BAKEY
CD-259
150 mm
CD-260
200 mm
CD-261
250 mm

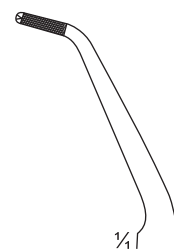
DE BAKEY
CD-256 - CD-261



JABOMA-TC
CD-262
180 mm



JABOMA-TC
CD-263
180 mm



JABOMA-TC
CD-264
180 mm



OBWEGESER
CD-265
160 mm



OBWEGESER
CD-266
180 mm



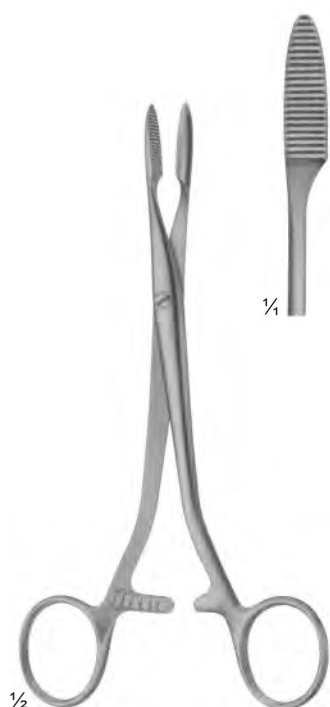
MERIEM
CD-267



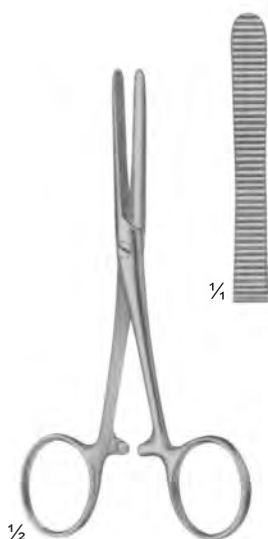
POTTS-NEVINS
CD-268
180 mm

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○ Haemostatic Forceps



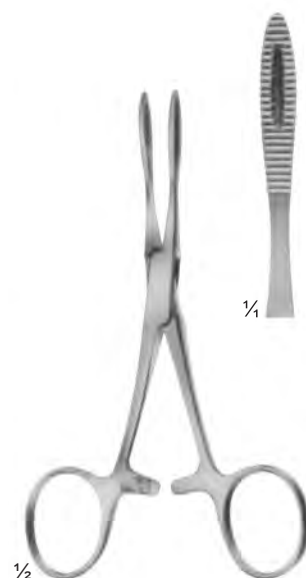
PEAN
DE-001 160 mm
DE-002 180 mm



PEAN
DE-003 125 mm



PEAN
DE-004 125 mm
DE-005 140 mm

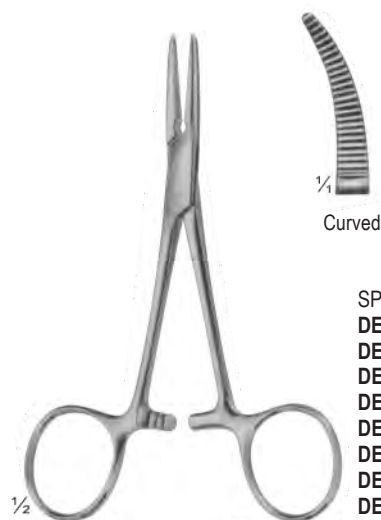


KRONLEIN
DE-006 130 mm



Straight

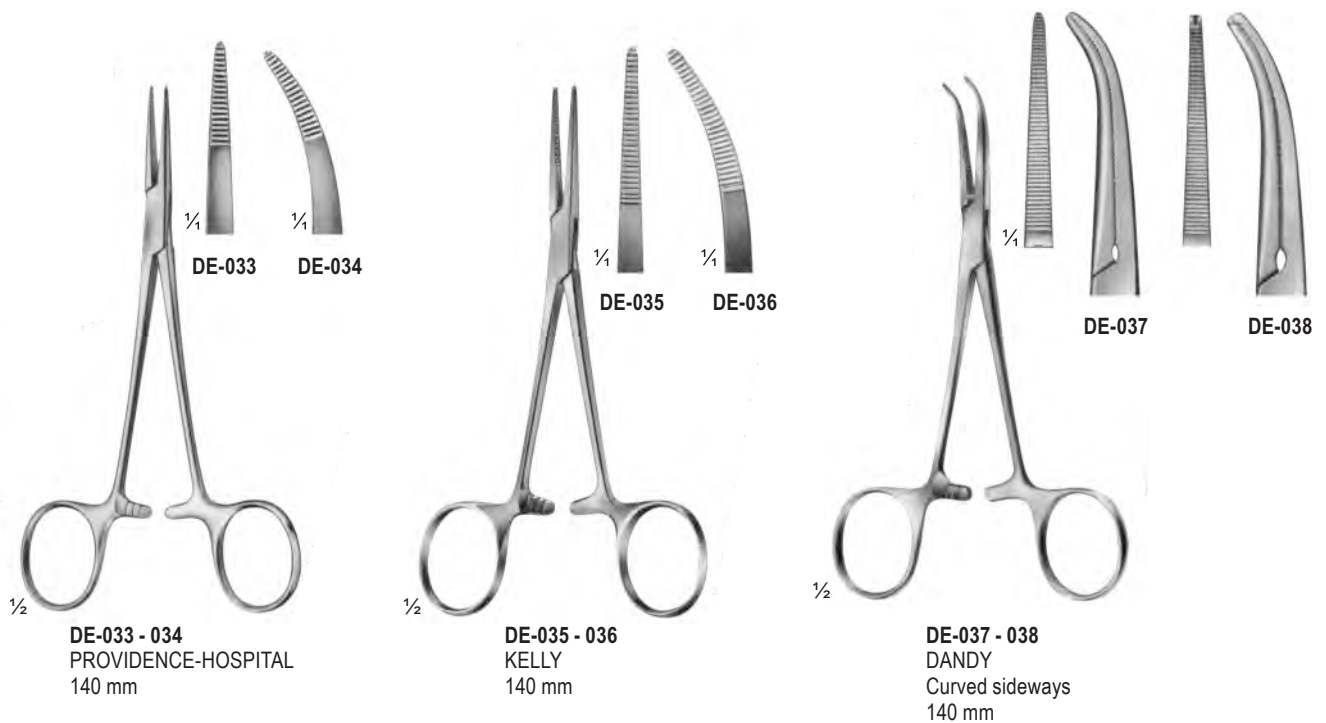
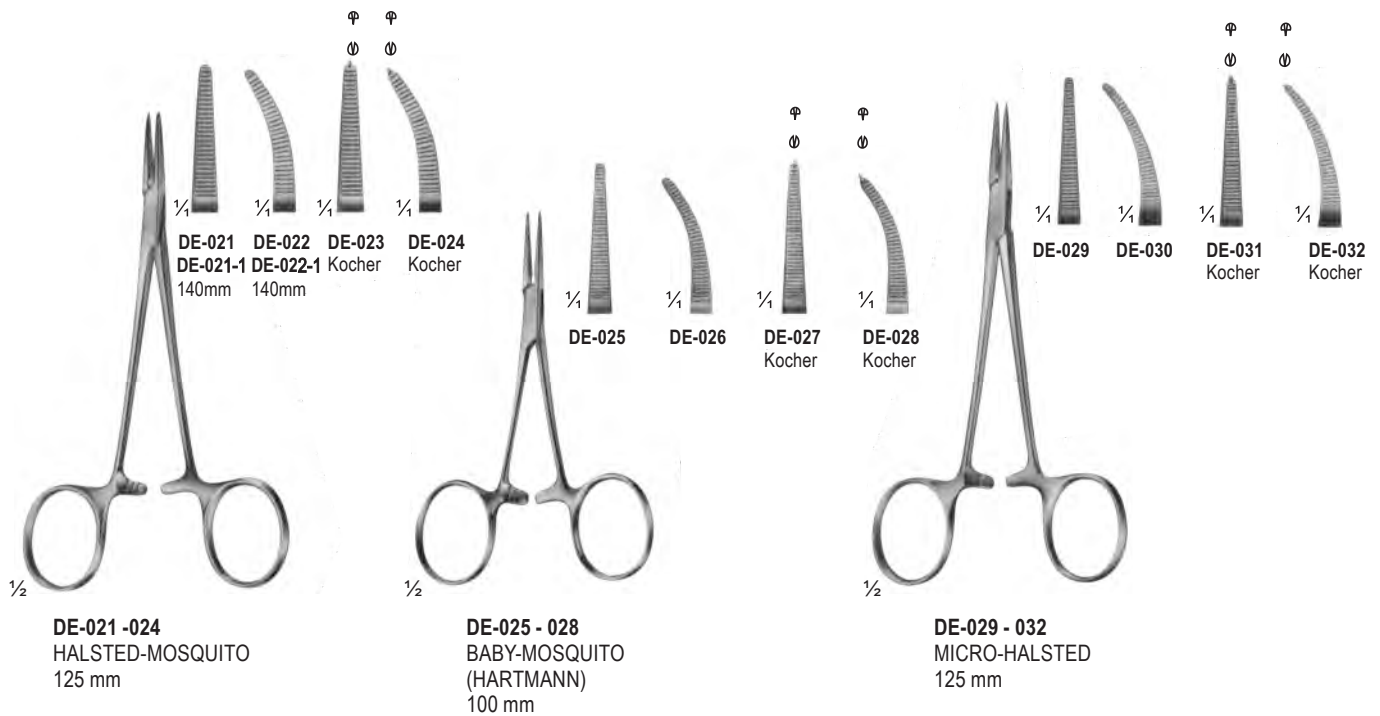
SPENCER-WELLS
DE-007 - DE-013
DE-007 130 mm
DE-008 140 mm
DE-009 150 mm
DE-010 180 mm
DE-011 200 mm
DE-012 250 mm
DE-013 300 mm

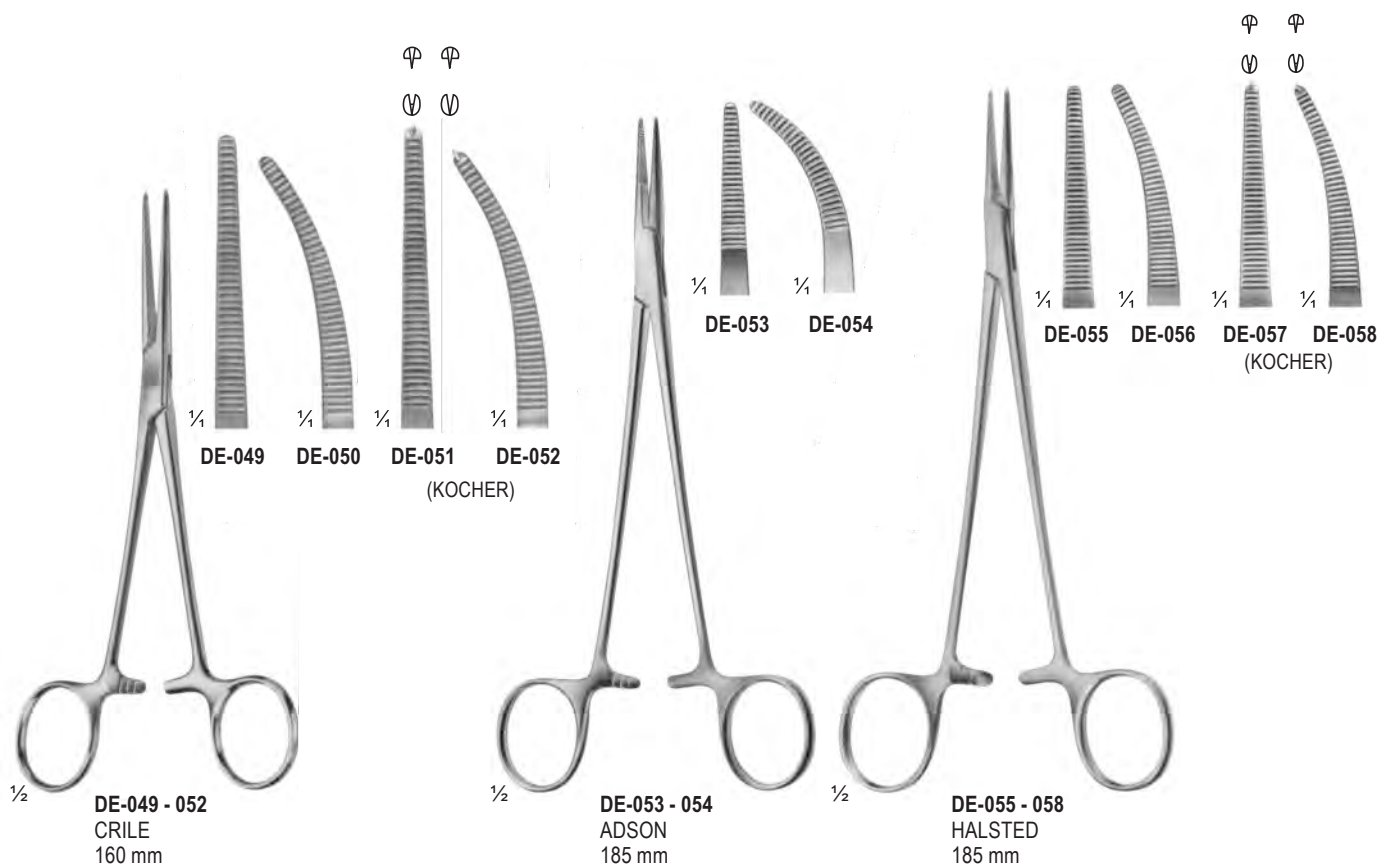
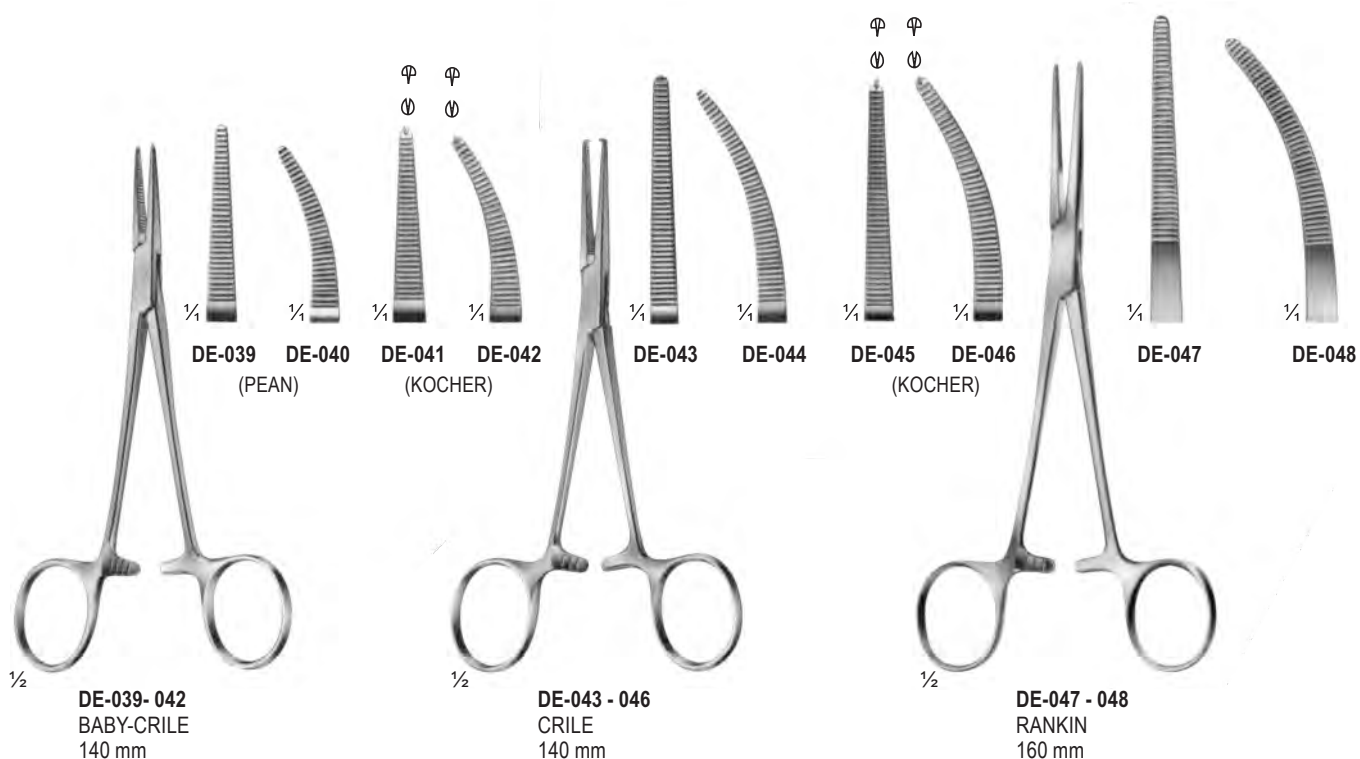


Curved

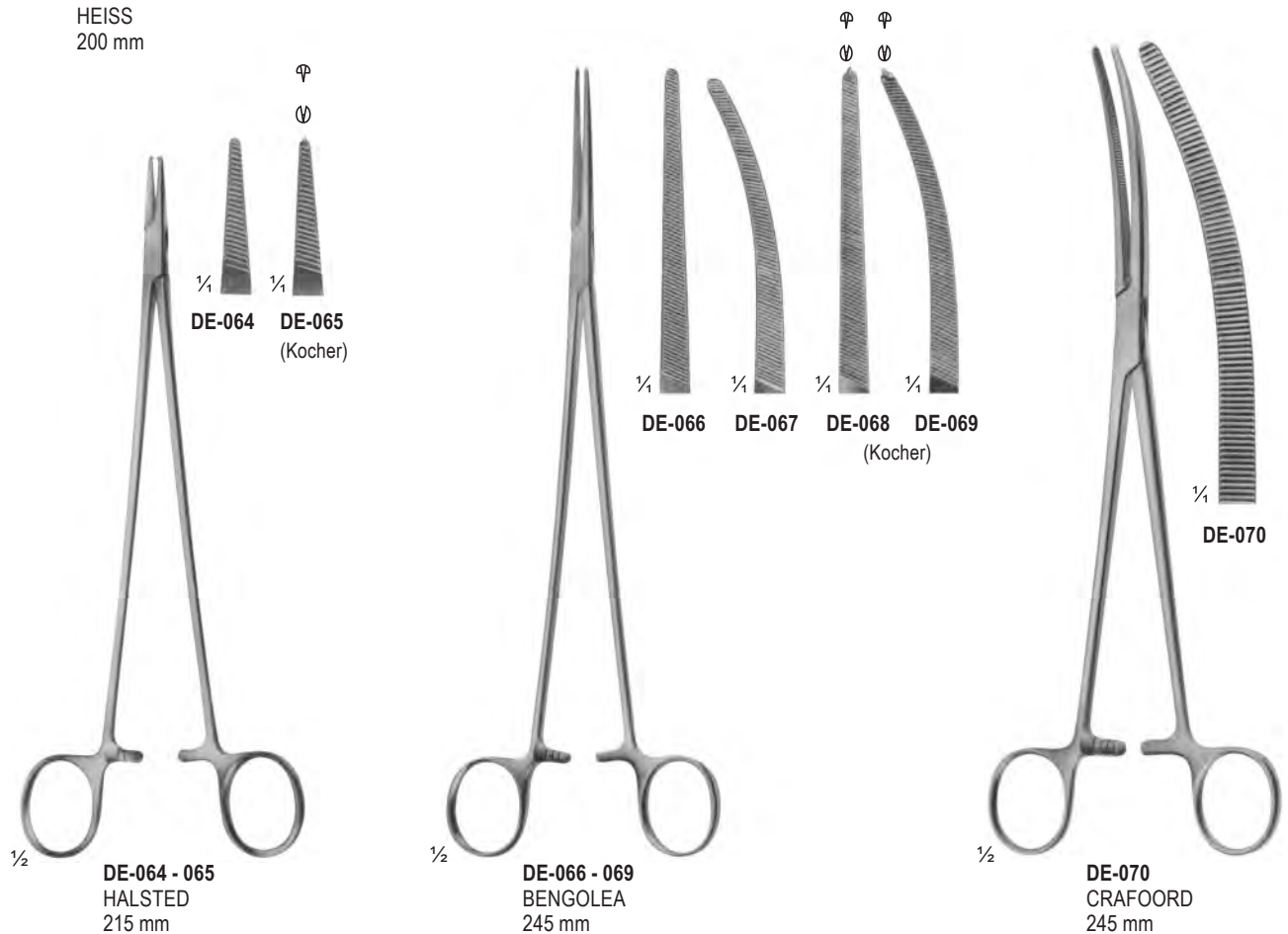
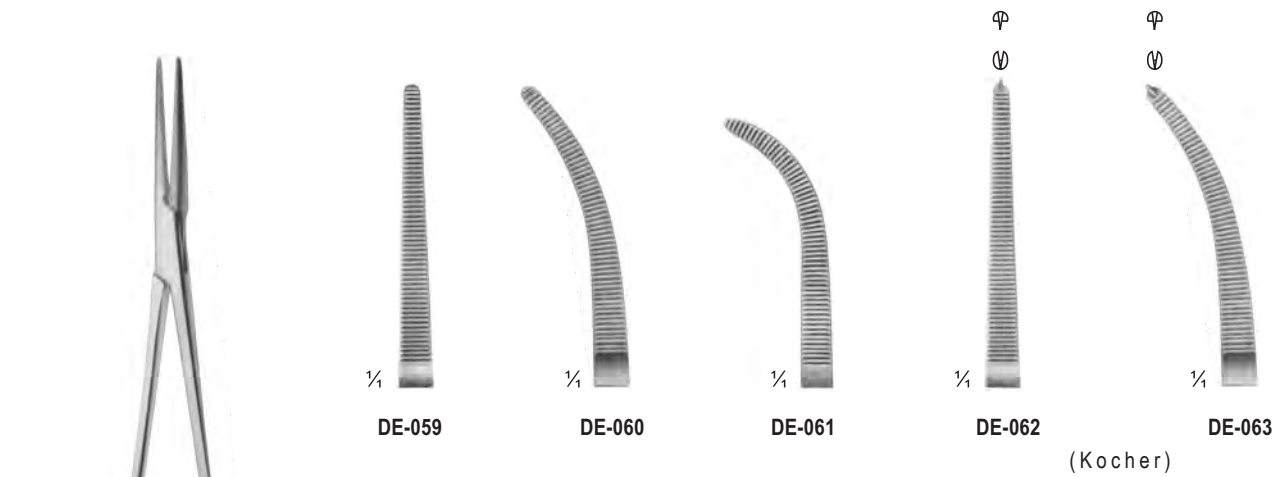
SPENCER-WELLS
DE-014 - DE-020
DE-014 130 mm
DE-015 140 mm
DE-016 150 mm
DE-017 180 mm
DE-018 200 mm
DE-019 250 mm
DE-020 300 mm

DELICATE HAEMOSTATIC FORCEPS



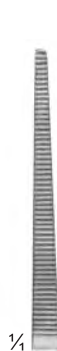


DELICATE HAEMOSTATIC FORCEPS





HALSTED-MOSQUITO
DE-071 180 mm



DE-071



DE-072



HALSTED-MOSQUITO
DE-073 180 mm



DE-073



DE-074



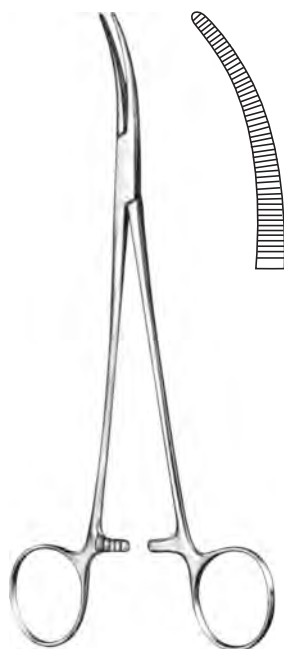
HALSTED
DE-075 - 076
215 mm



DE-075



DE-076



MARTIN-FUCHSIG
DE-077
200 mm



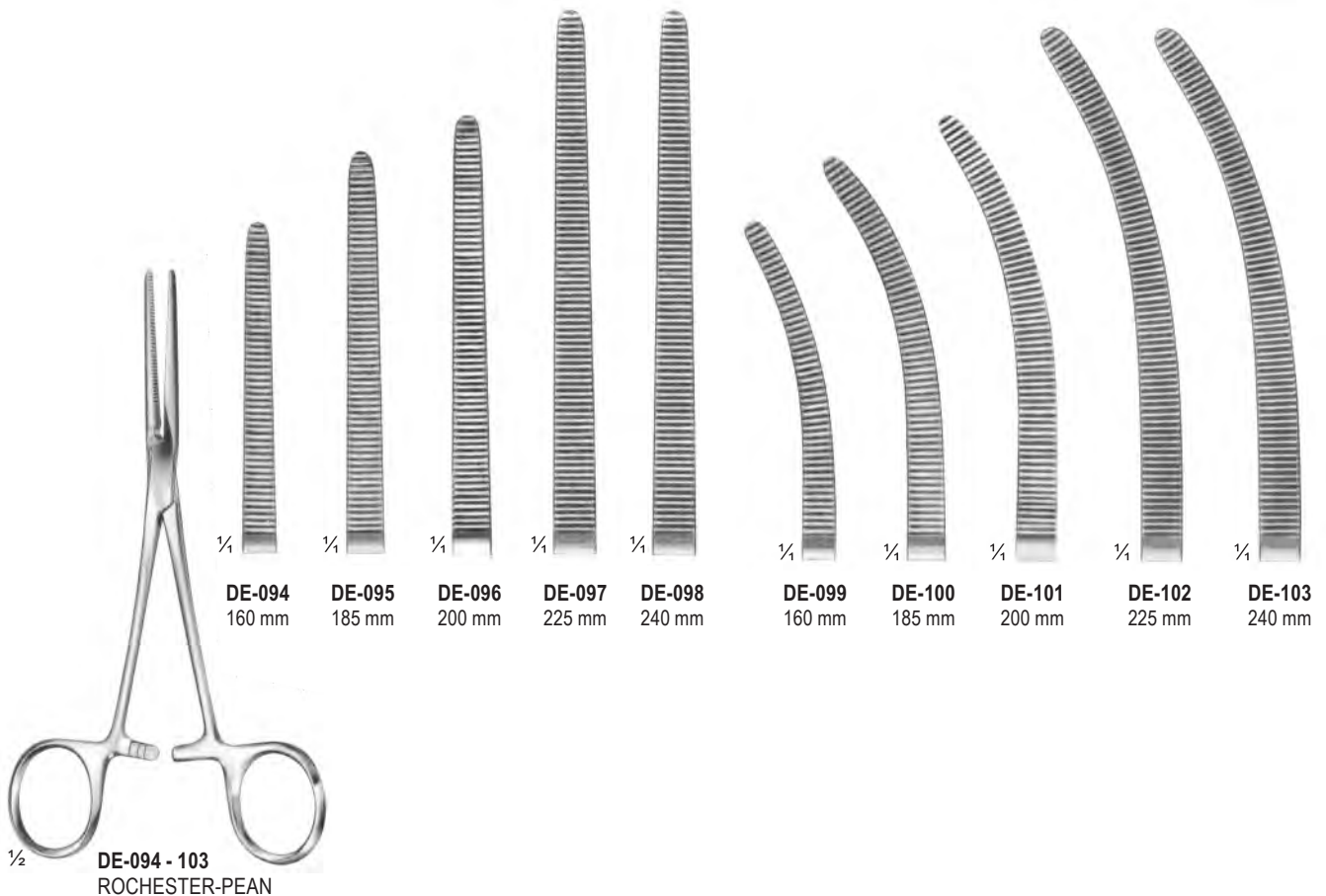
ROCHESTER-CARMALT
DE-078 170 mm

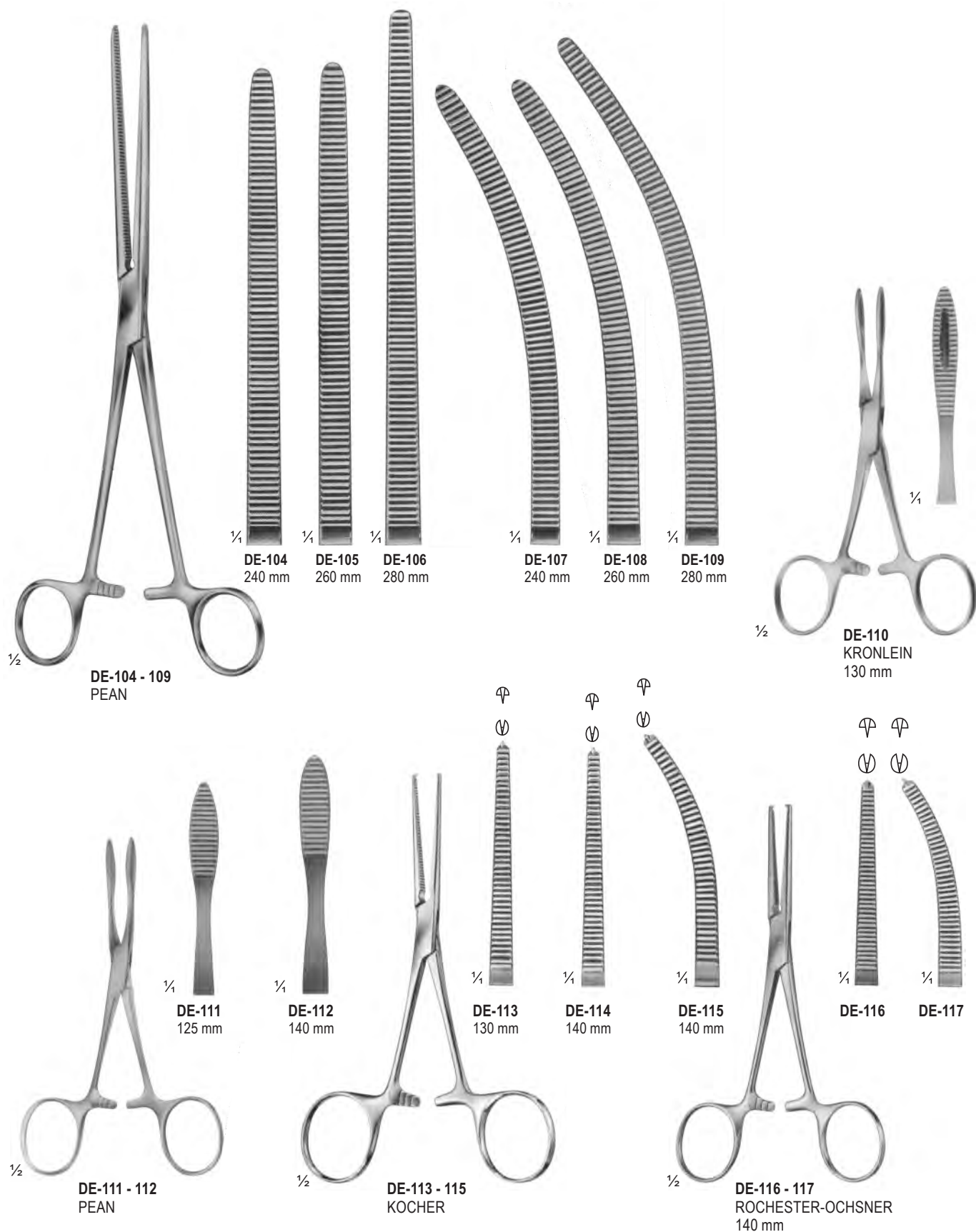


ROCHESTER-CARMALT
DE-081 200 mm

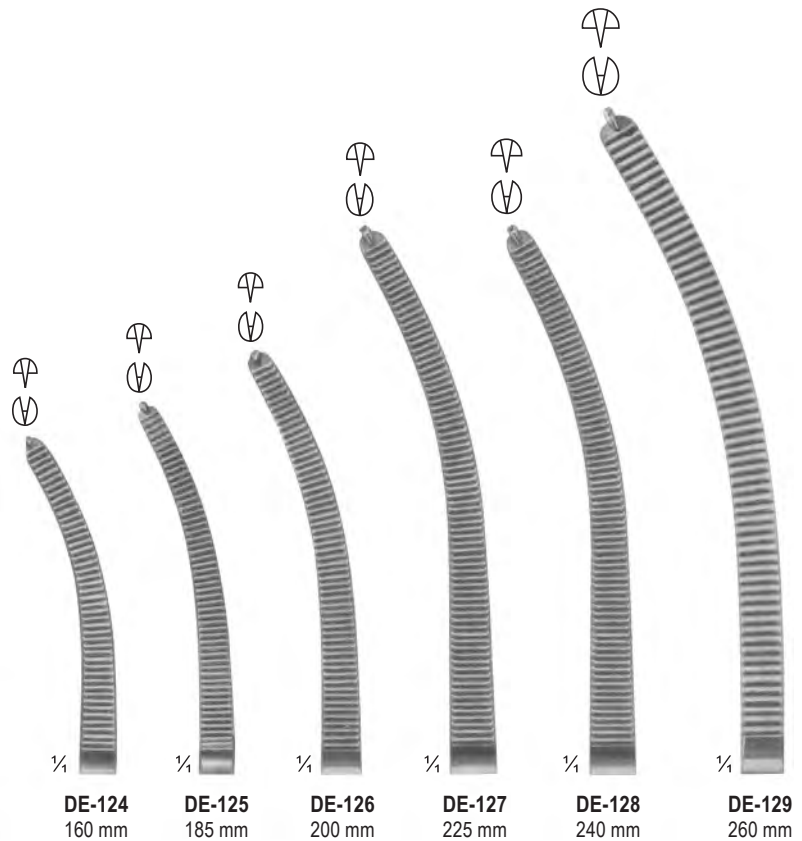
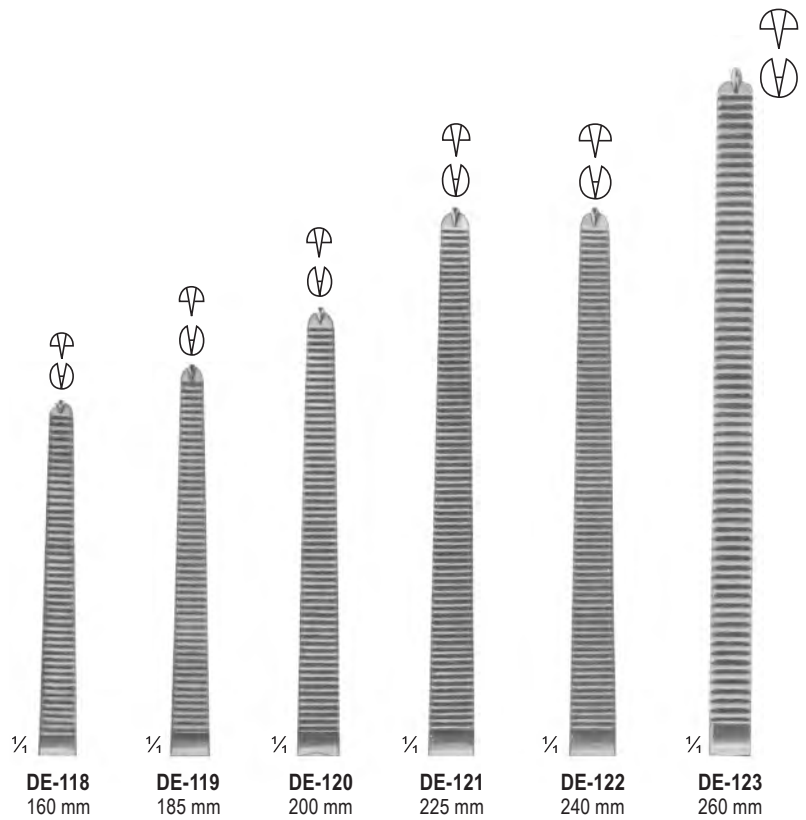


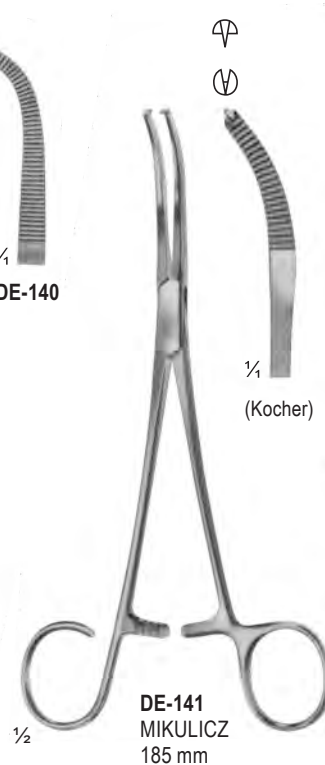
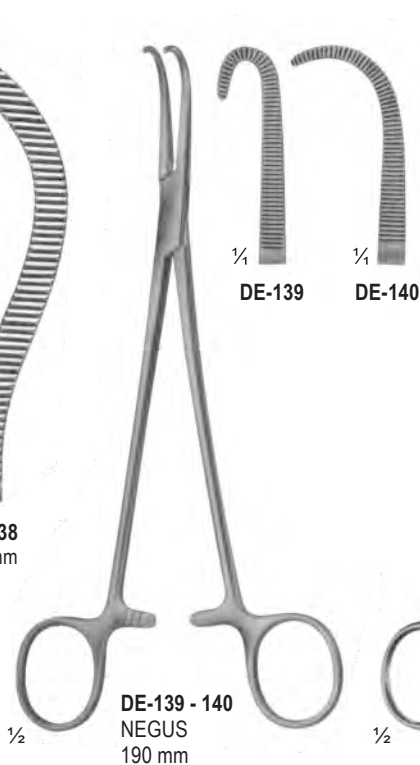
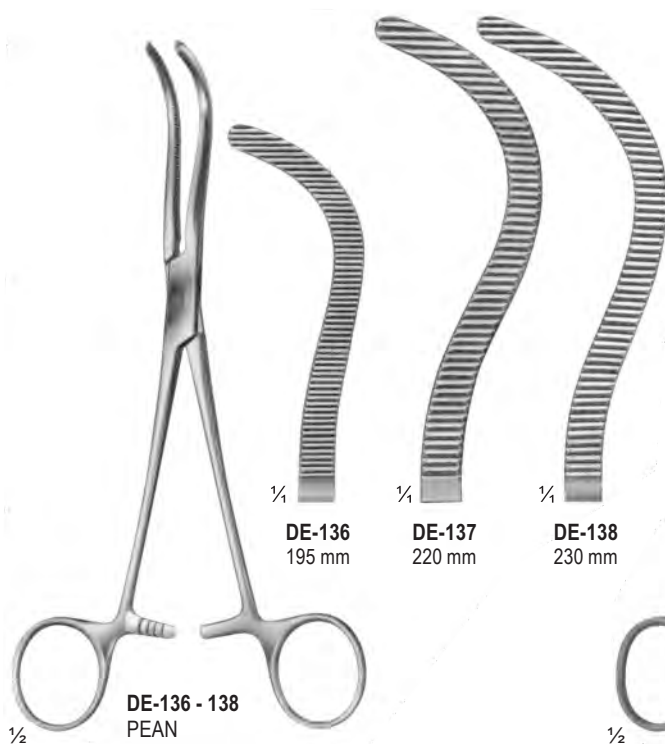
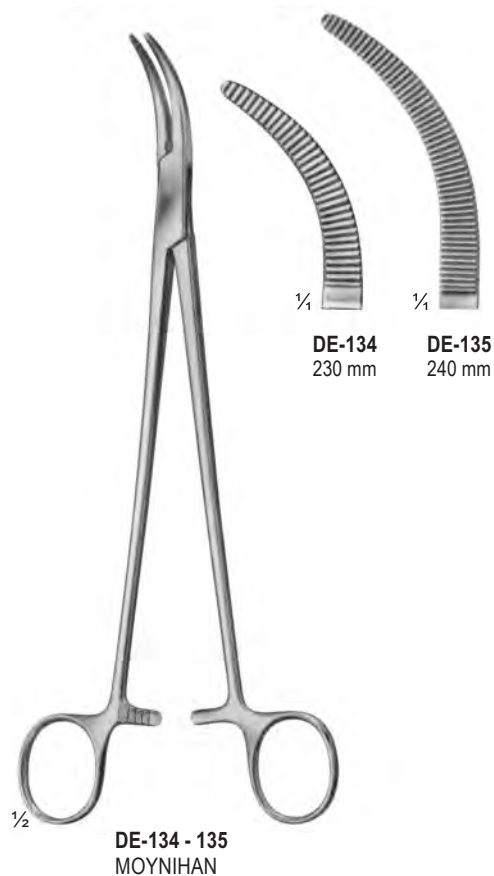
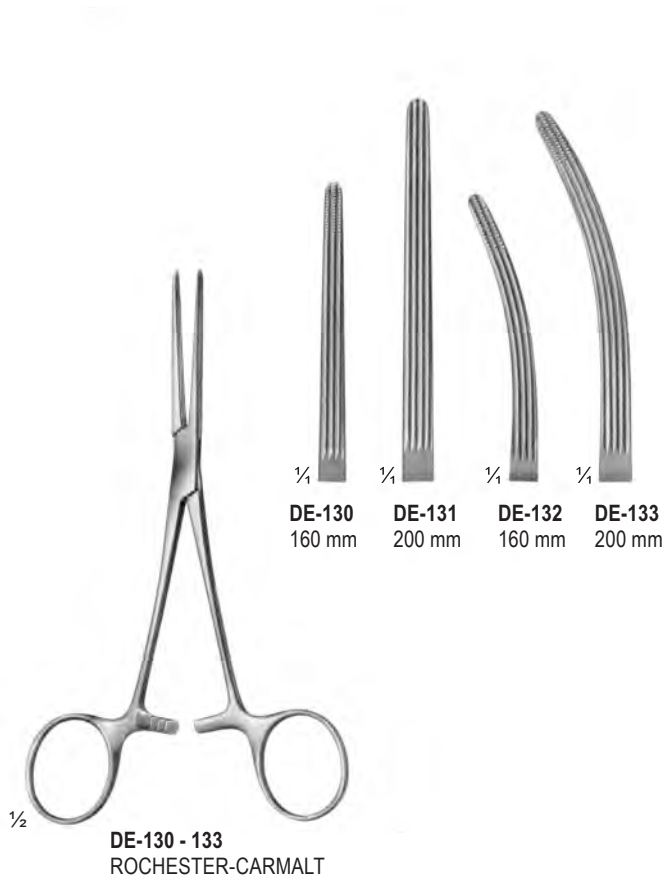
HAEMOSTATIC FORCEPS



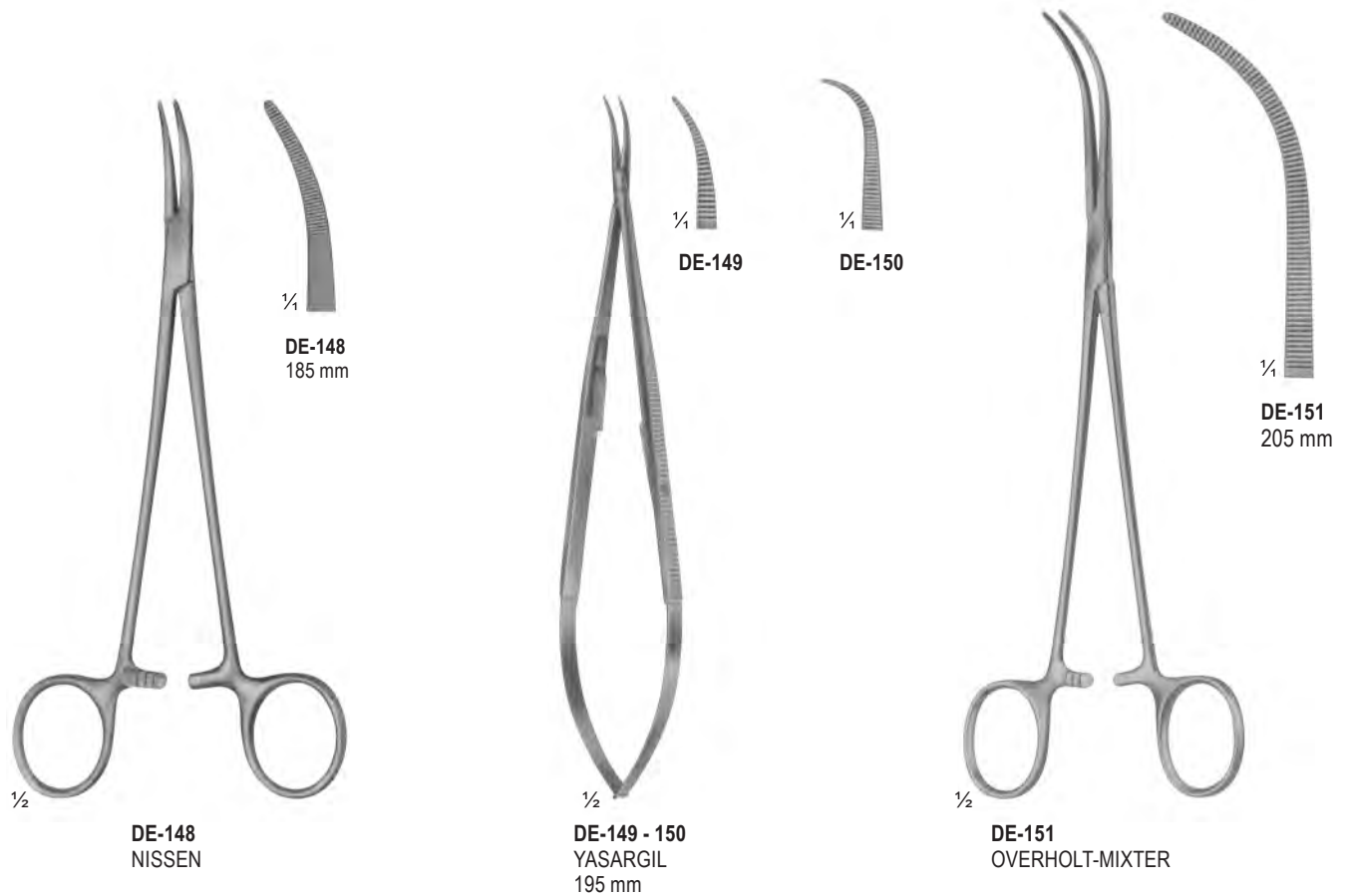
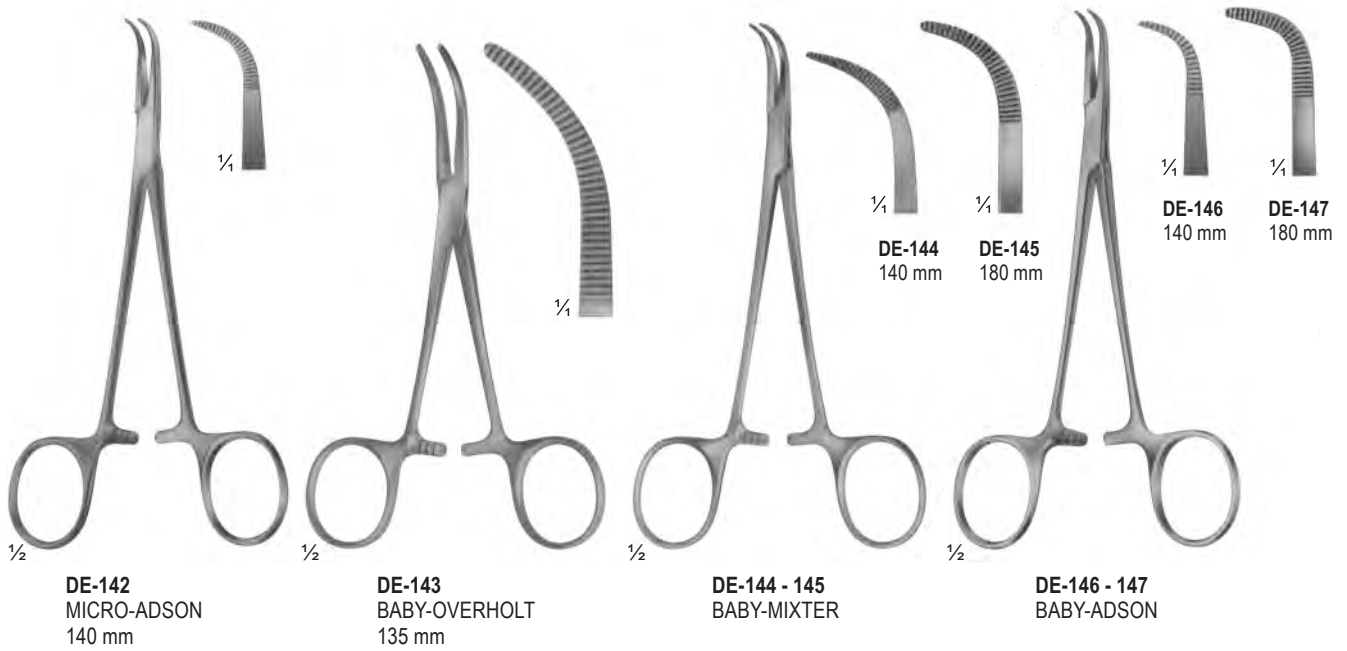


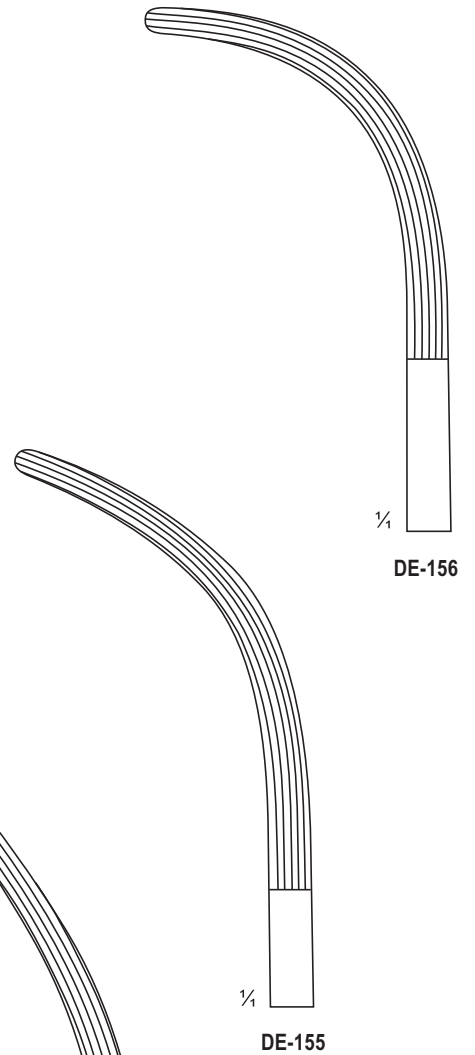
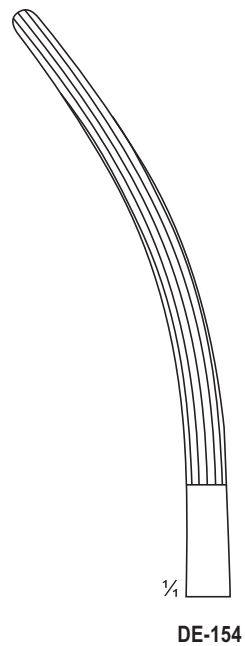
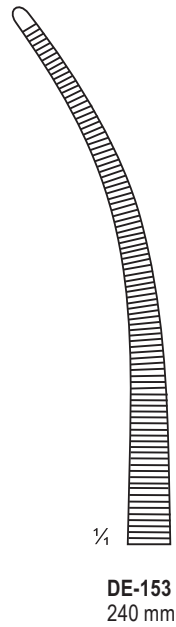
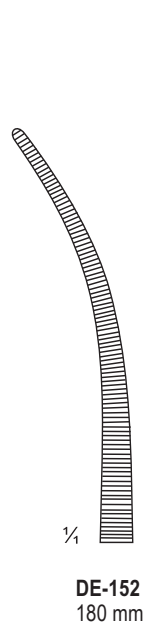
HAEMOSTATIC FORCEPS



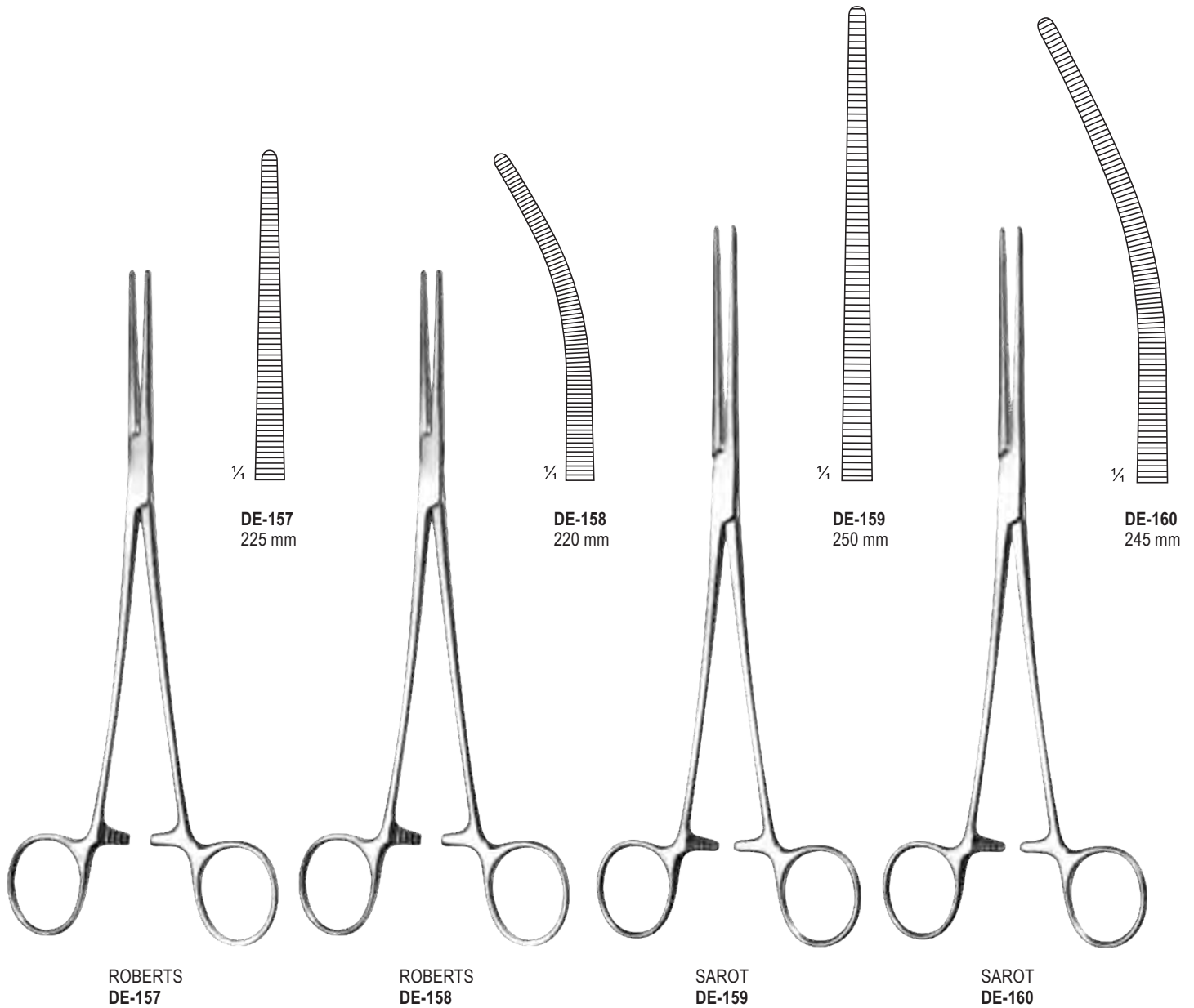


DISSECTING- AND LIGATURE FORCEPS





HAEMOSTATIC, SPECIAL PATTERN AND TONSIL FORCEPS





RUMEL
DE-161 - 165
240 mm



DE-161



DE-162



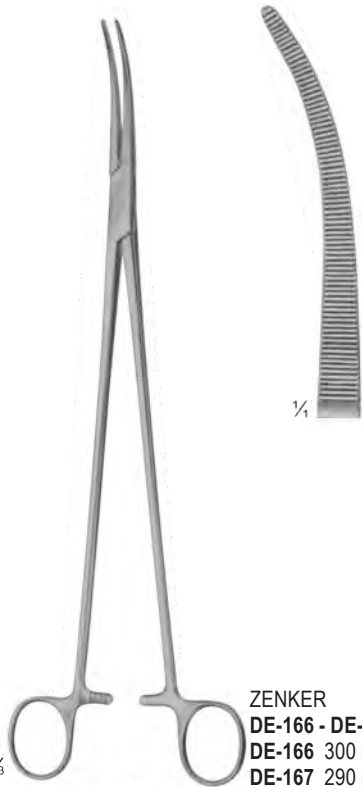
DE-163



DE-164



DE-165



ZENKER
DE-166 - DE-167
DE-166 300 mm
DE-167 290 mm



$\frac{1}{4}$



$\frac{1}{4}$

LAWRENCE
DE-168
270 mm



$\frac{1}{4}$

DE-169

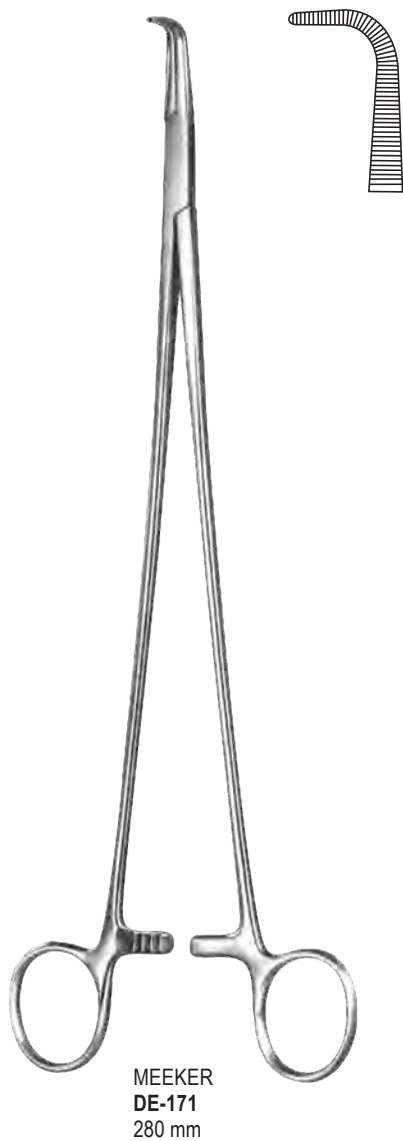
$\frac{1}{4}$

DE-170

NEGUS
DE-169 - 170
190 mm



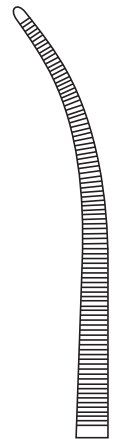
DISSECTING AND LIGATURE FORCEPS



**Fig. 1
DE-172
190 mm**



**Fig. 1
DE-173
225 mm**



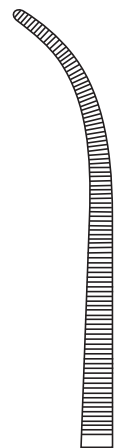
**Fig. 1
DE-174
240 mm**



**Fig. 2
DE-175
190 mm**



**Fig. 2
DE-176
220 mm**



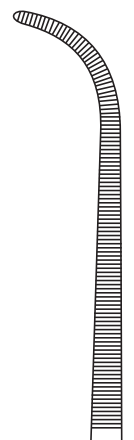
**Fig. 2
DE-177
235 mm**



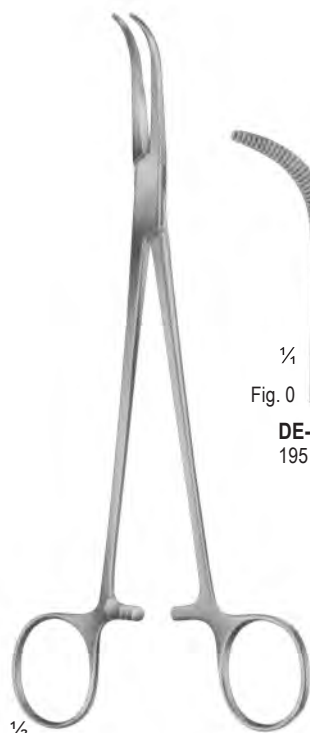
**Fig. 3
DE-178
185 mm**



**Fig. 3
DE-179
215 mm**



**Fig. 3
DE-180
235 mm**



$\frac{1}{2}$
DE-181 - 192
OVERHOLT-GEISSENDOERFER

$\frac{1}{4}$
Fig. 0

DE-181
195 mm

$\frac{1}{4}$
1

DE-182
210 mm

$\frac{1}{4}$
2

DE-183
220 mm

$\frac{1}{4}$
3

DE-184
225 mm

$\frac{1}{4}$
4

DE-185
210 mm

$\frac{1}{4}$
5

DE-186
230 mm

$\frac{1}{4}$
6

DE-187
225 mm

DE-188
260 mm

DE-189
270 mm

DE-190
275 mm

DE-191
270 mm

DE-192
280 mm

$\frac{1}{4}$
Fig. 0

DE-193
215 mm

$\frac{1}{4}$
1

DE-194
210 mm

$\frac{1}{4}$
2

DE-195
220 mm

$\frac{1}{4}$
3

DE-196
225 mm

$\frac{1}{4}$
6

DE-197
225 mm

$\frac{1}{4}$
0

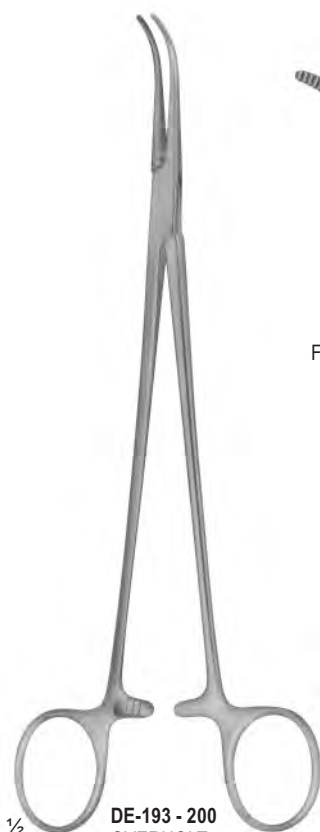
DE-198
295 mm

$\frac{1}{4}$
1

DE-199
295 mm

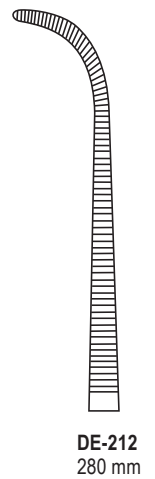
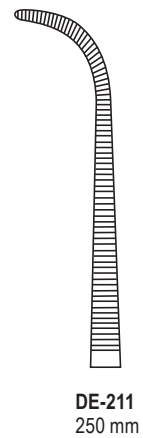
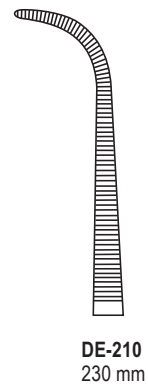
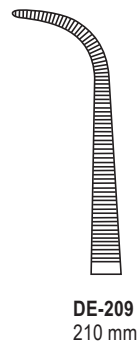
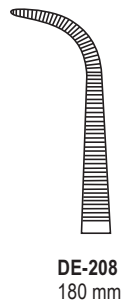
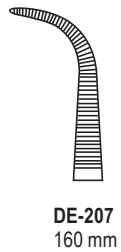
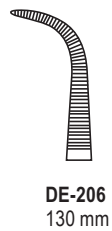
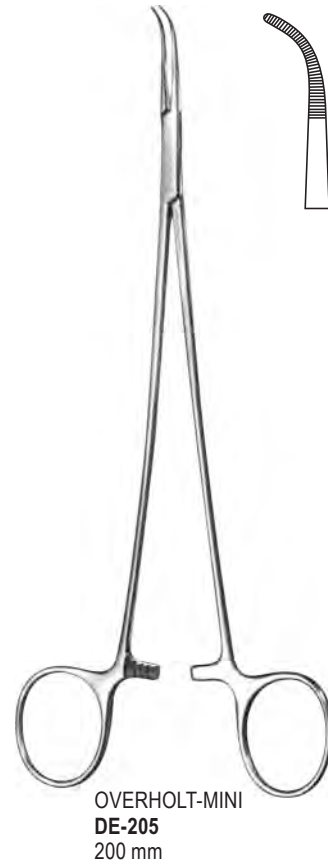
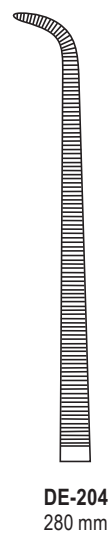
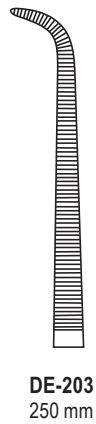
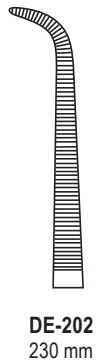
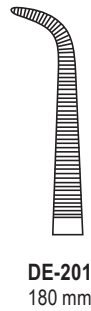
$\frac{1}{4}$
6

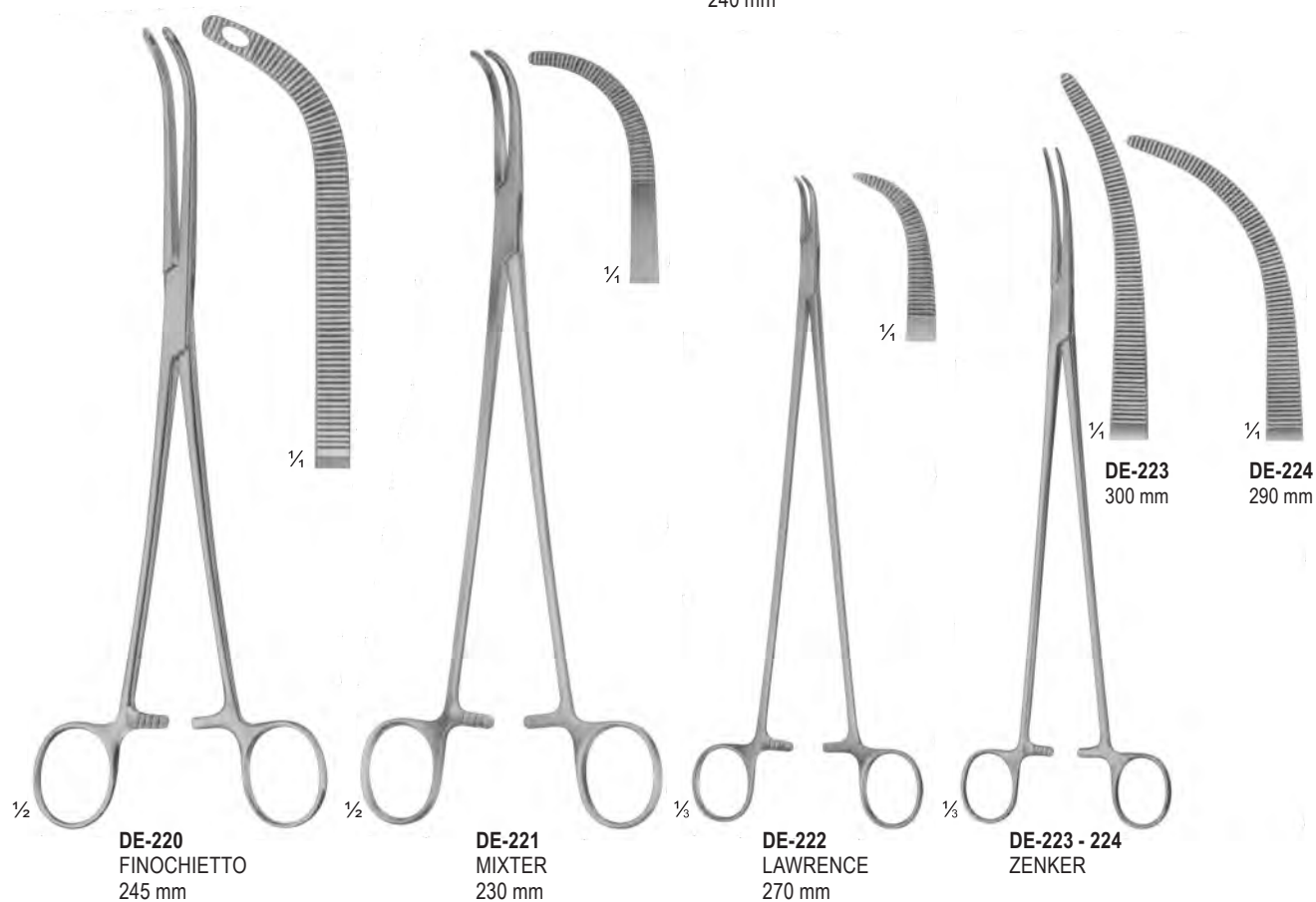
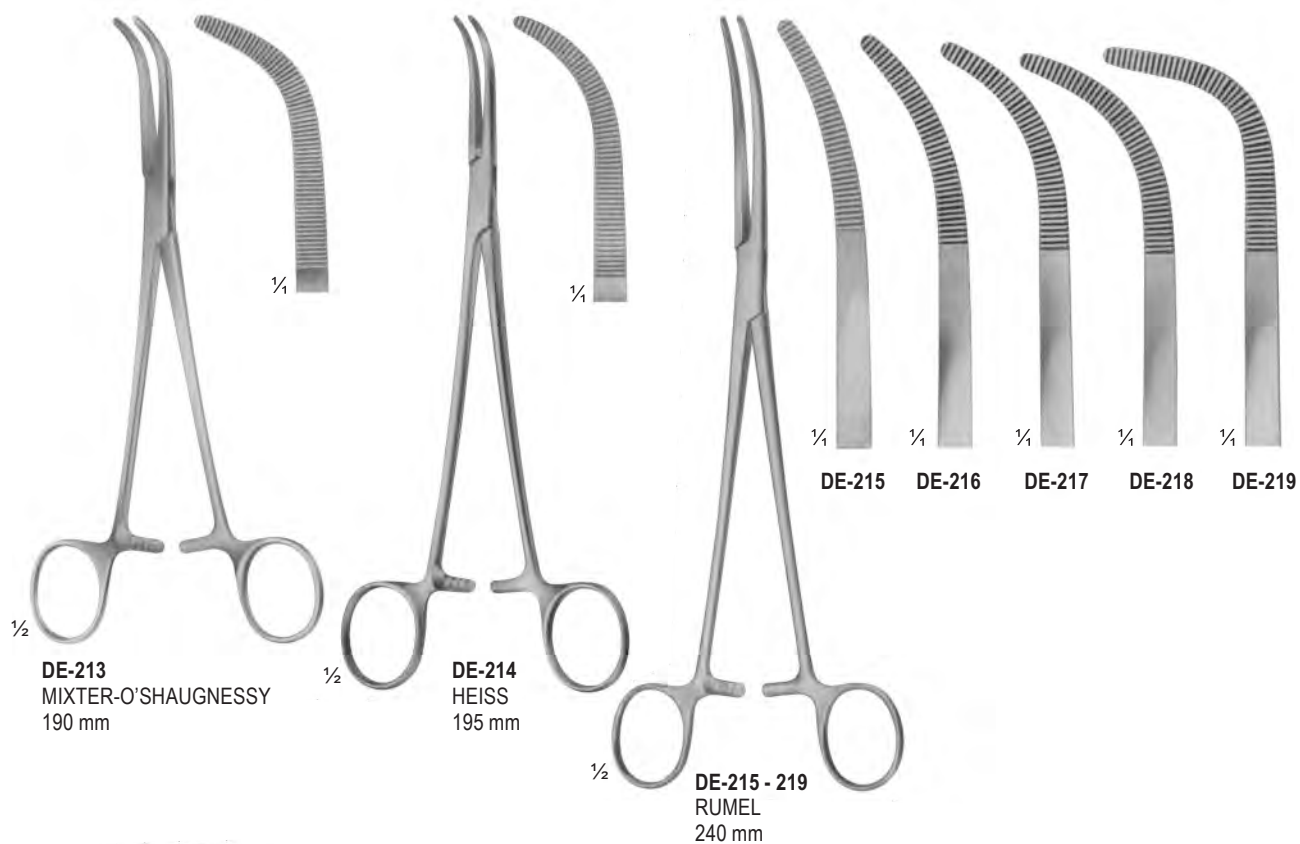
DE-200
300 mm



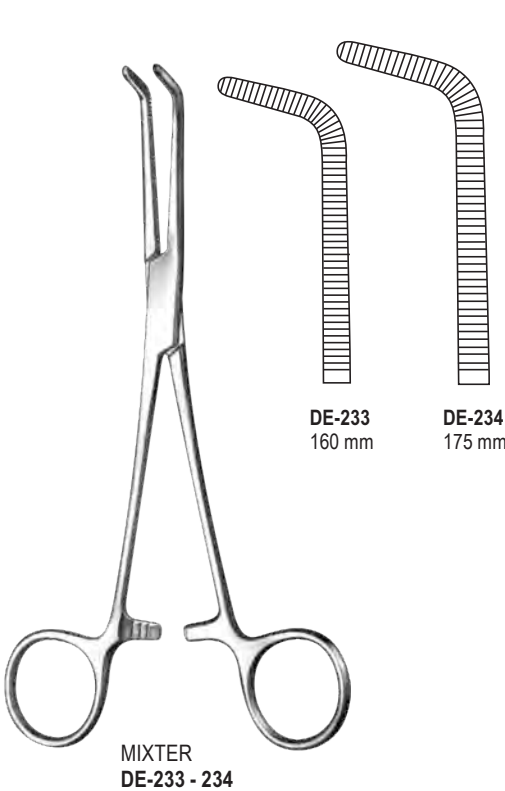
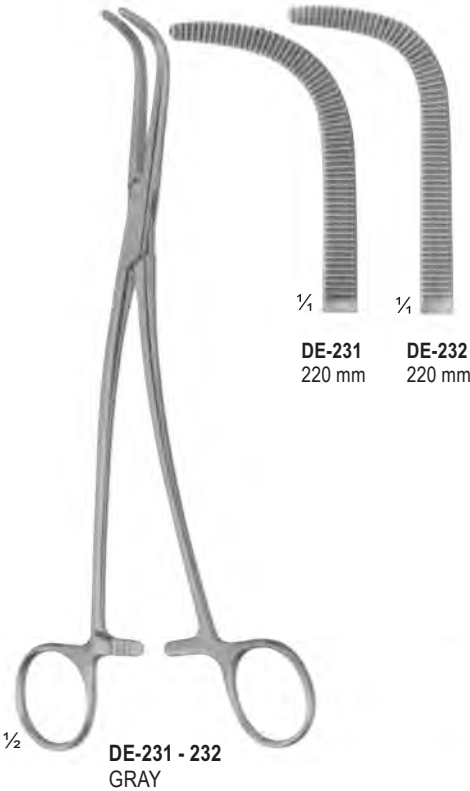
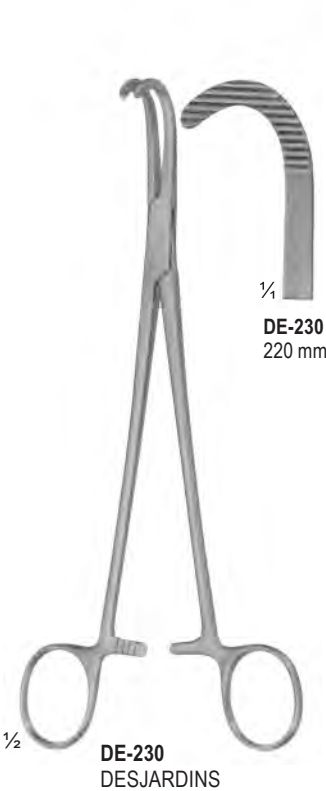
$\frac{1}{2}$
DE-193 - 200
OVERHOLT
fine pattern

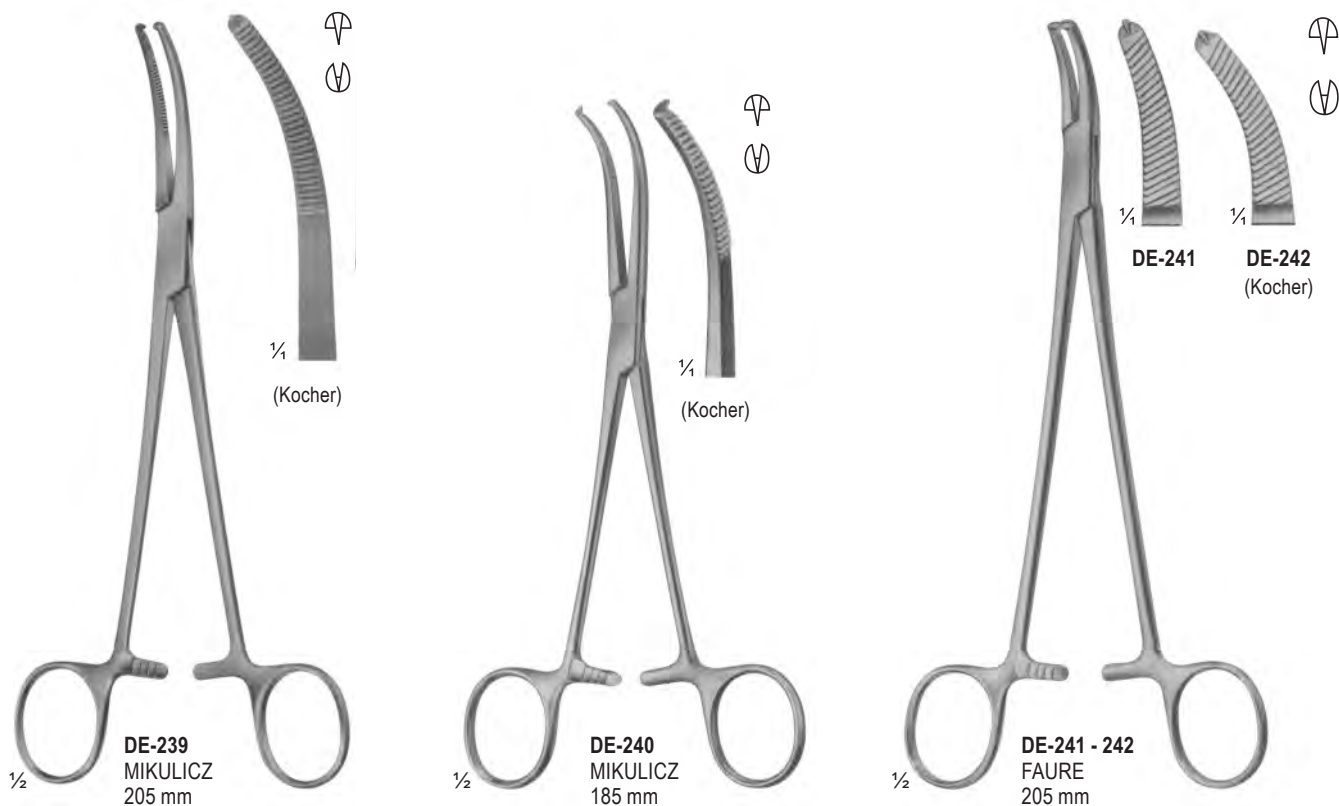
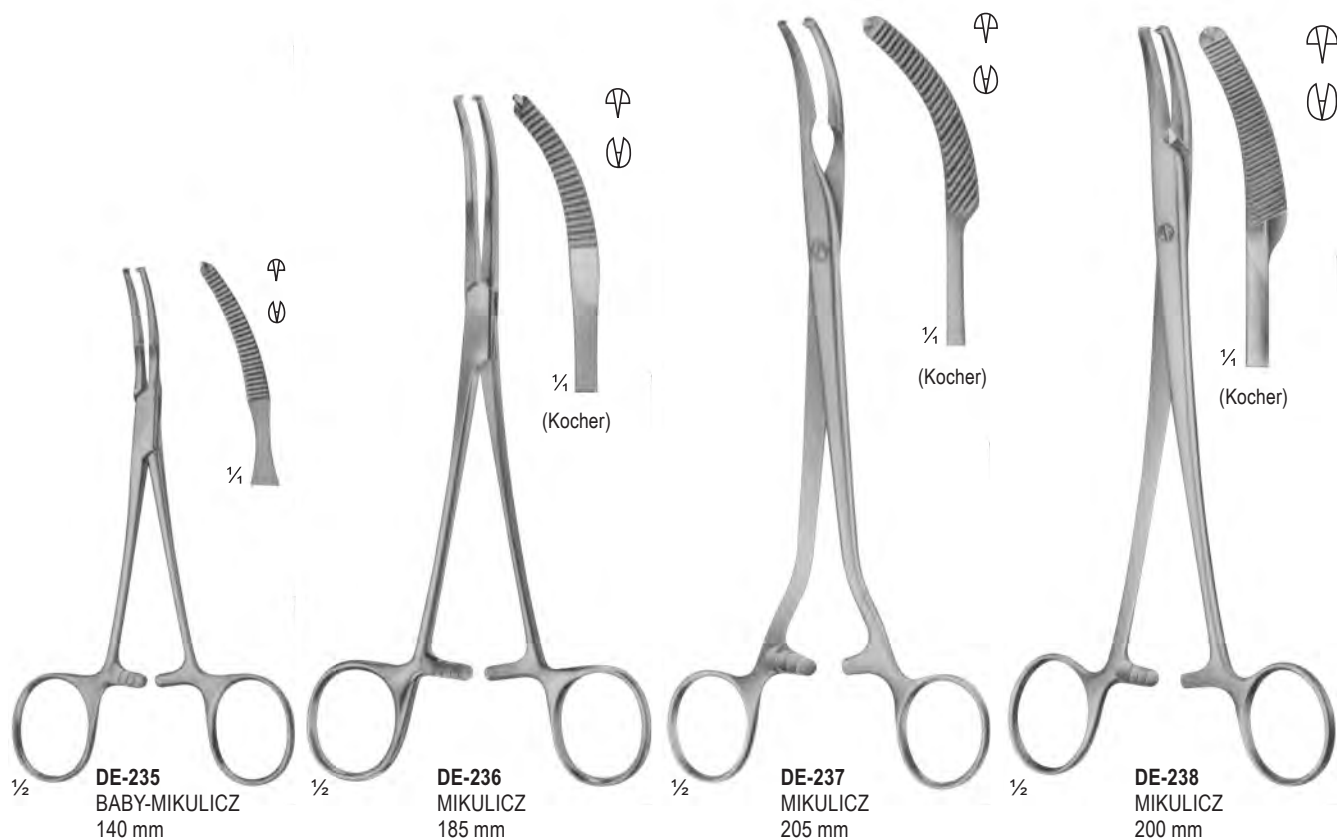
HAEMOSTATIC FORCEPS



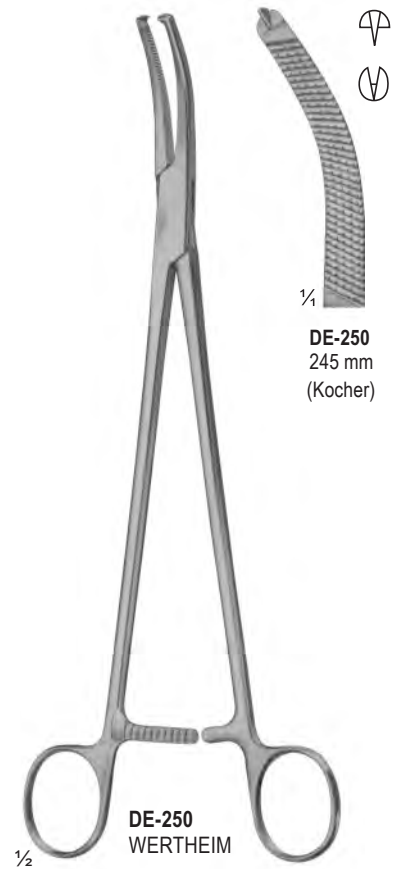
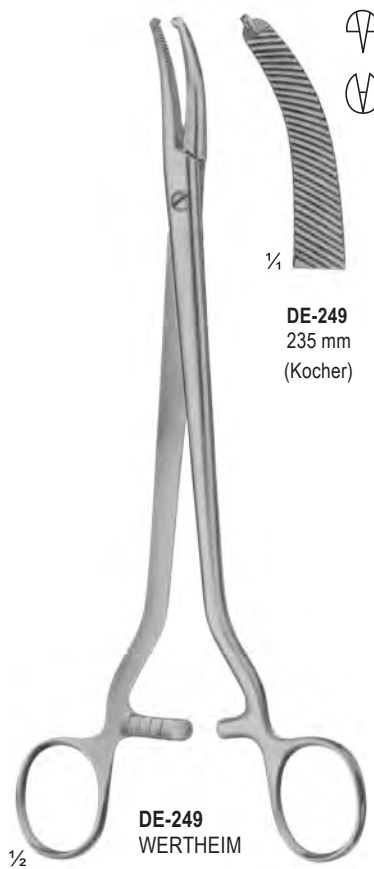
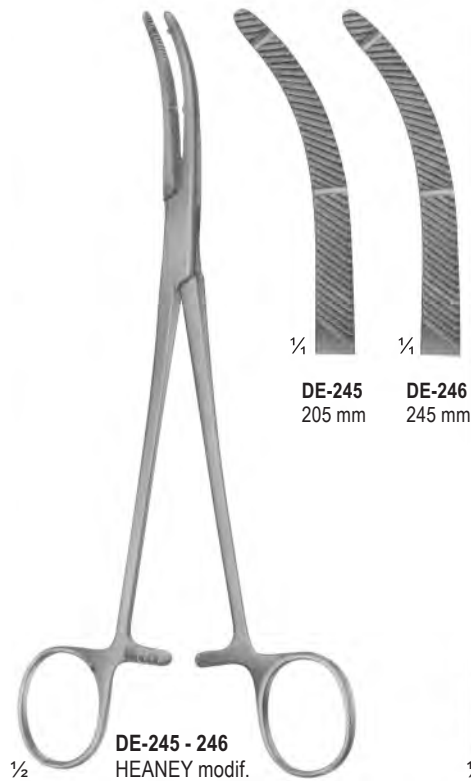
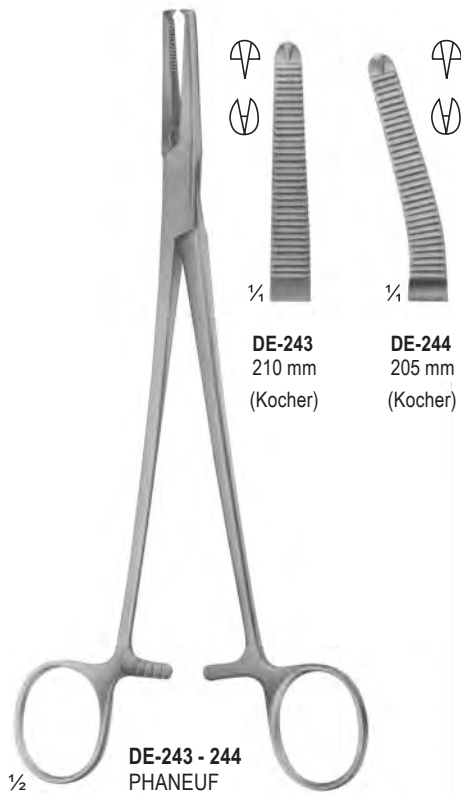


DISSECTING AND LIGATURE FORCEPS





HYSTERECTOMY FORCEPS





DE-251
225 mm



DE-252
220 mm



DE-253
215 mm



DE-254
205 mm



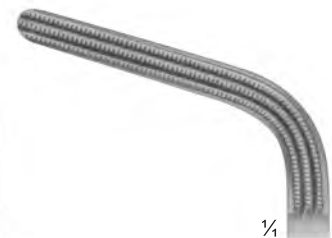
DE-255
250 mm



DE-256
245 mm



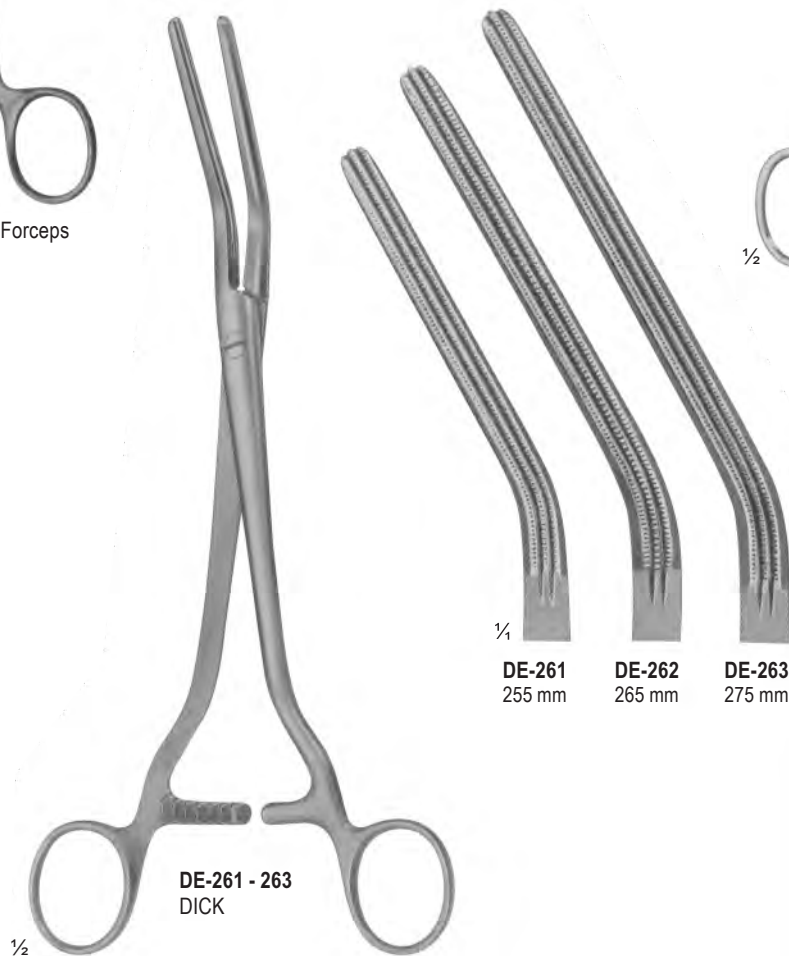
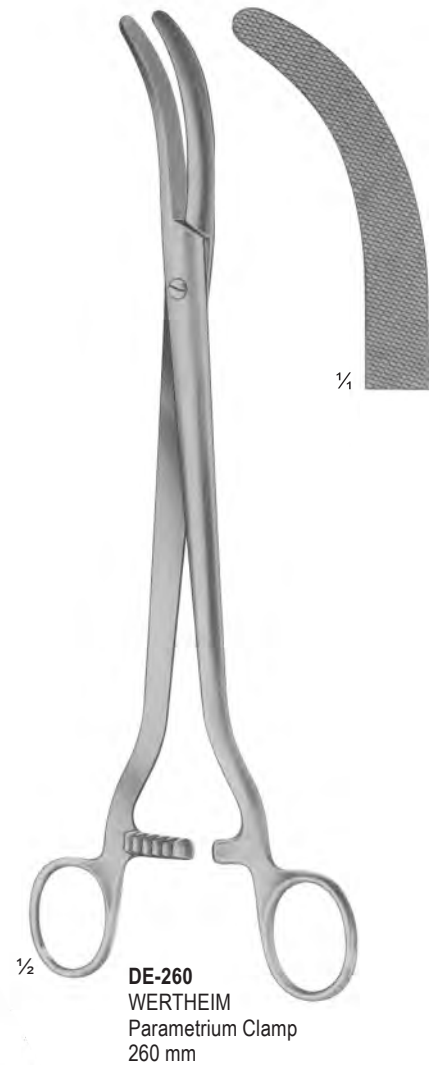
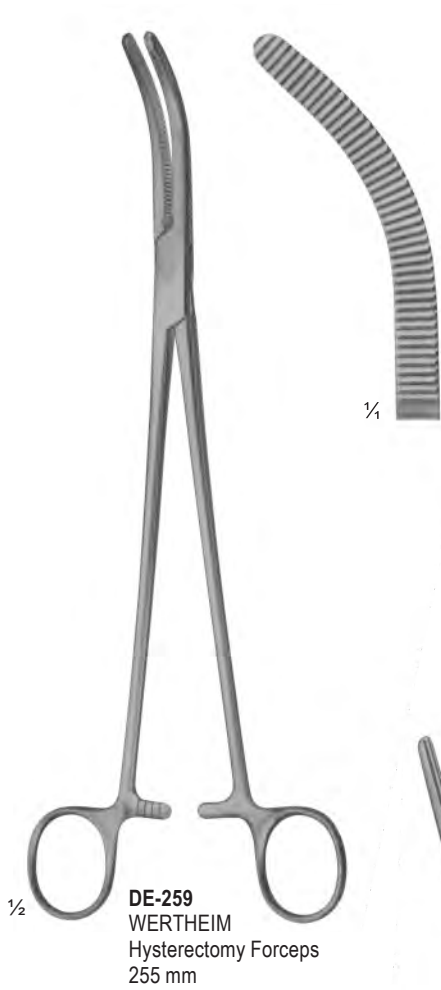
DE-257
240 mm

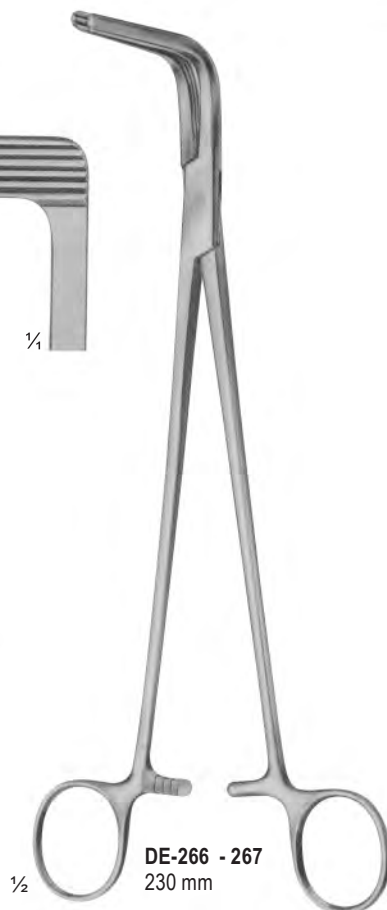
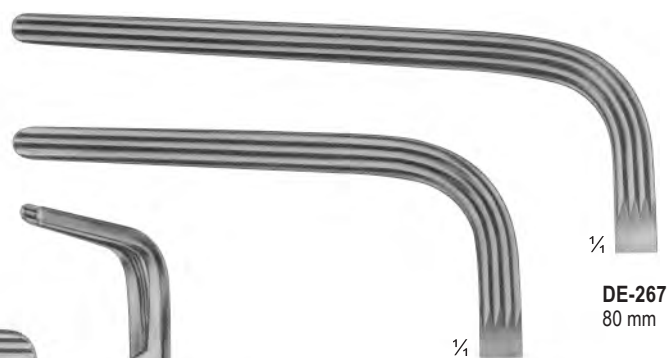


DE-258
220 mm

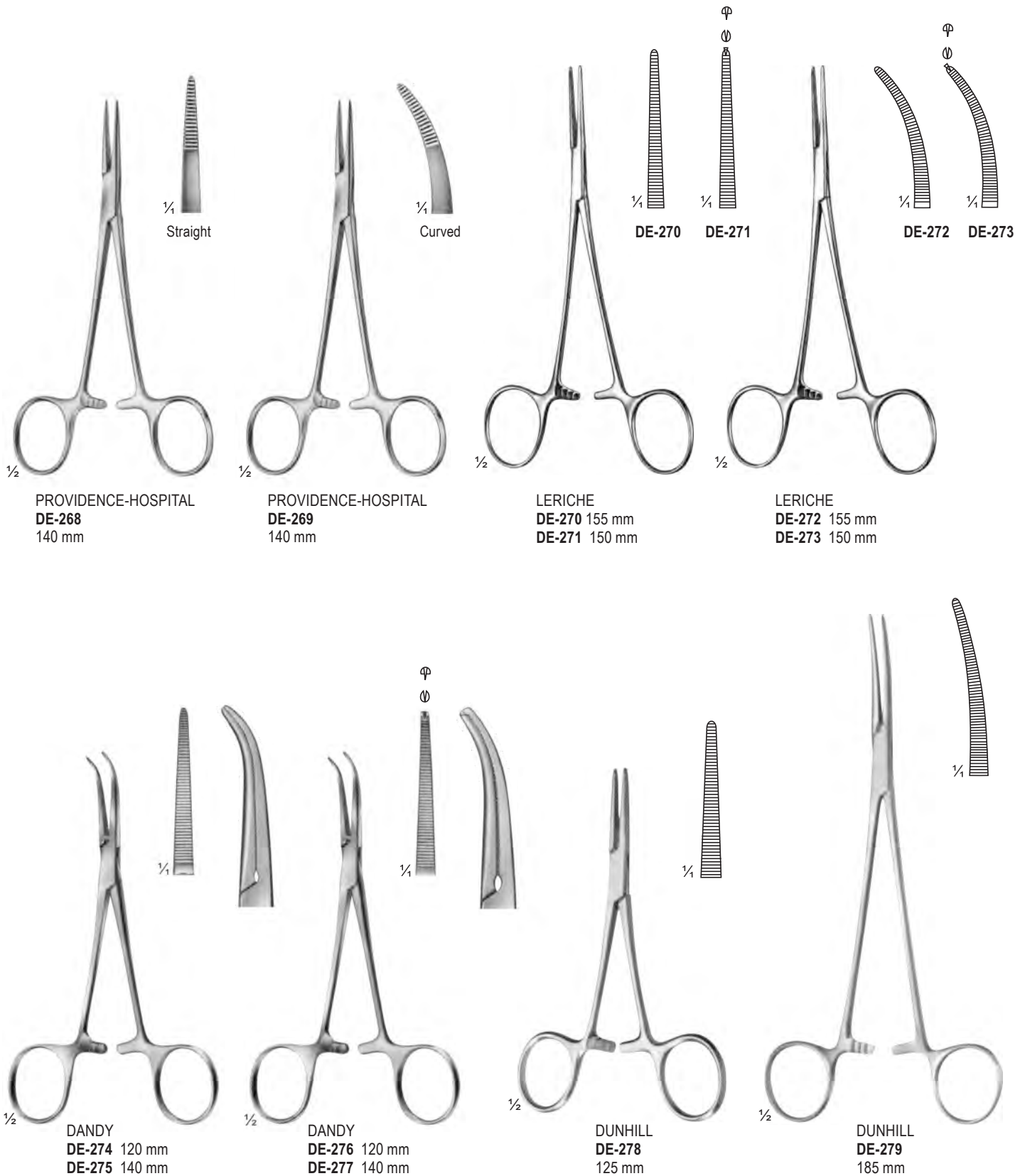


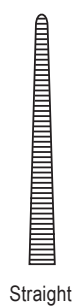
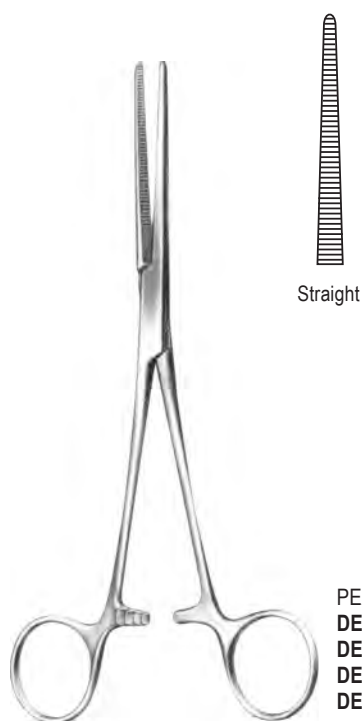
HYSTERECTOMY FORCEPS,
VAGINAL CLAMPS AND COMPRESSION FORCEPS



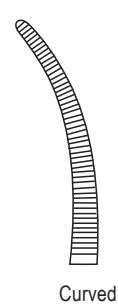
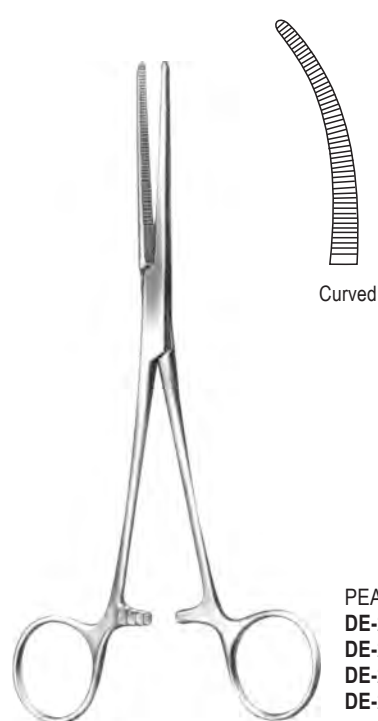


DELICATE HAEMOSTATIC FORCEPS

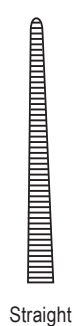
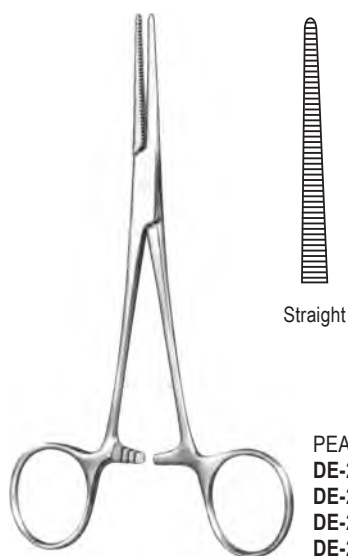




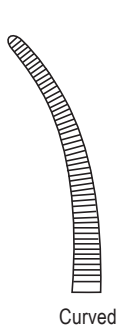
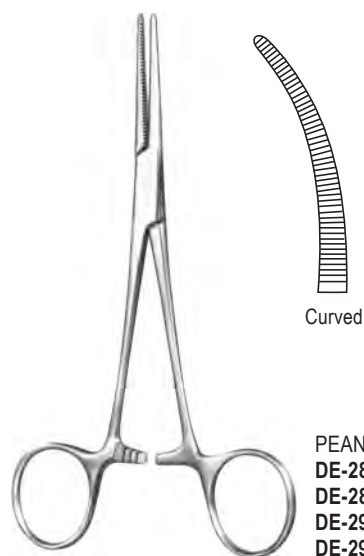
PEAN
DE-280 - 282
DE-280 130 mm
DE-281 140 mm
DE-282 170 mm



PEAN
DE-283 - 285
DE-283 130 mm
DE-284 140 mm
DE-285 170 mm

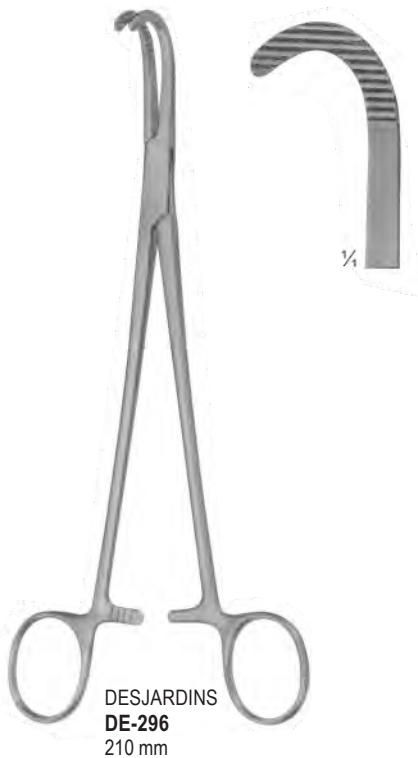
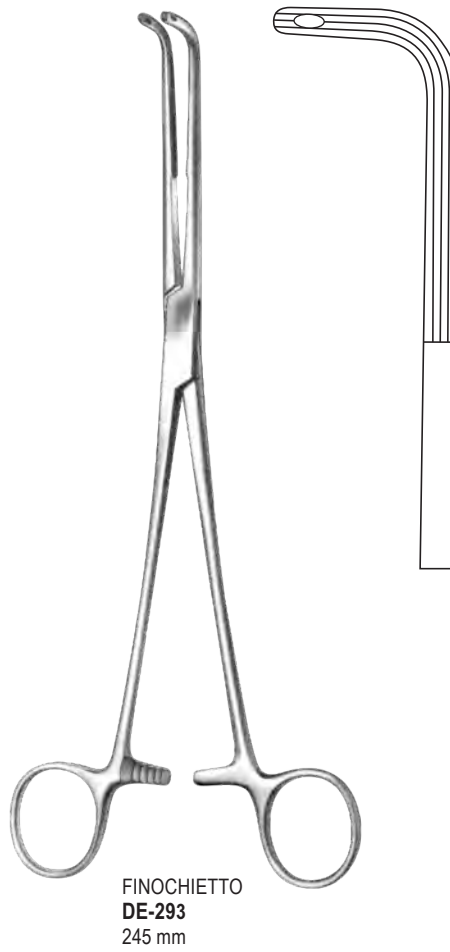
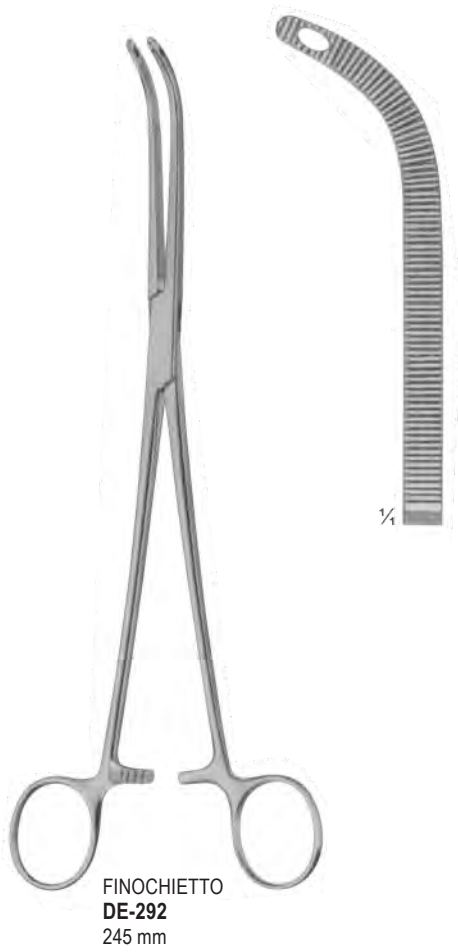


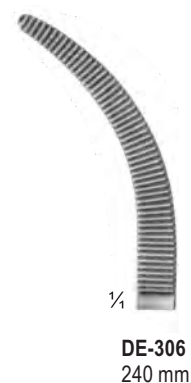
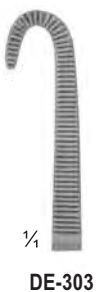
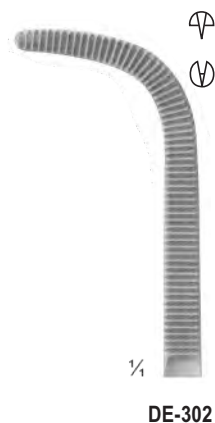
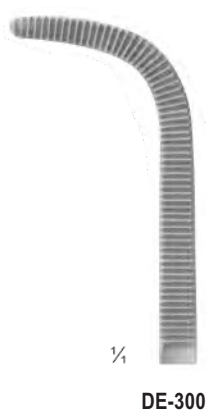
PEAN-Delicate
DE-286 - 288
DE-286 140 mm
DE-287 160 mm
DE-288 180 mm



PEAN-Delicate
DE-289 - 291
DE-289 140 mm
DE-290 160 mm
DE-291 180 mm

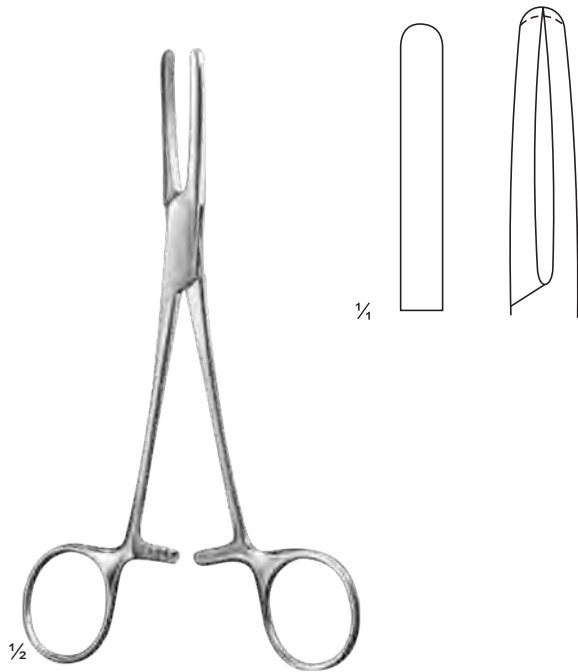
DISSECTING AND LIGATURE FORCEPS



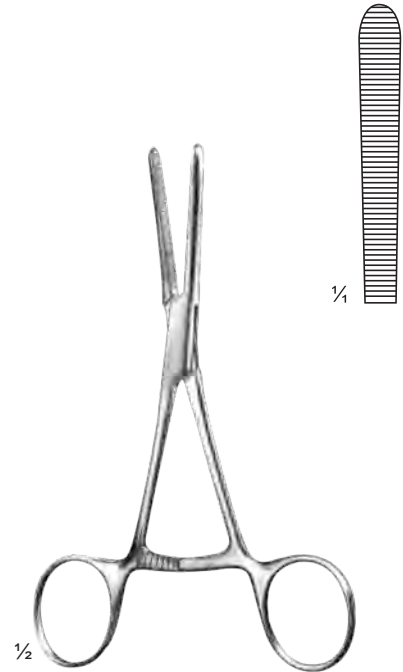




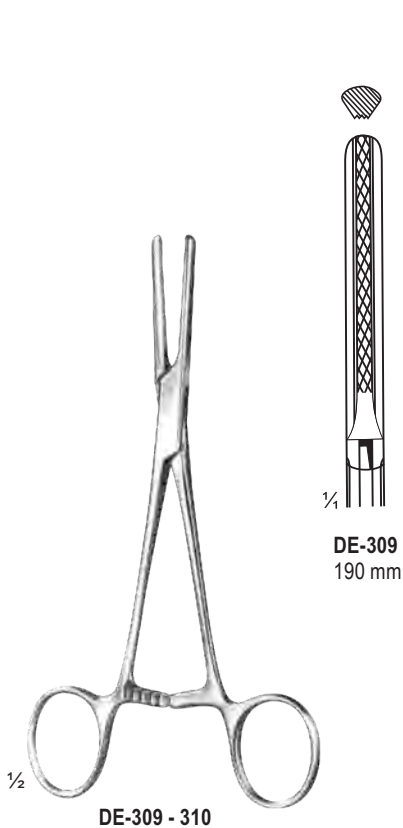
TUBING CLAMPS



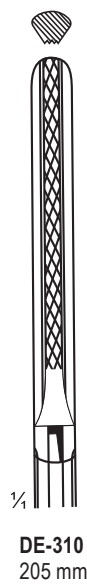
DE-307
16.5 cm



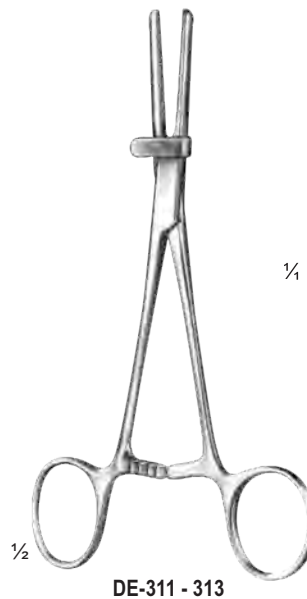
DE-308
14 cm



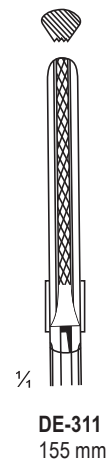
DE-309
190 mm



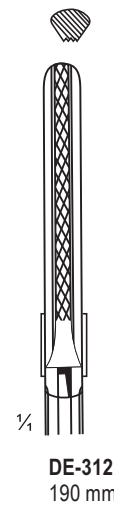
DE-310
205 mm



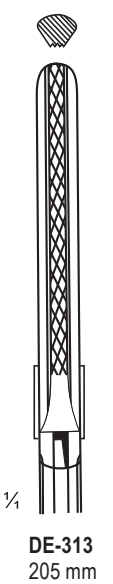
DE-311 - 313



DE-311
155 mm



DE-312
190 mm



DE-313
205 mm



Fig. 1
DE-314
195 mm

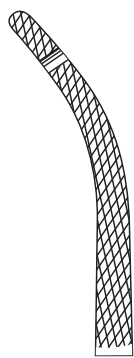
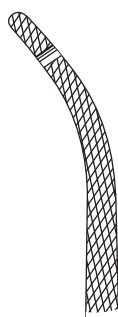


Fig. 1
DE-315
215 mm

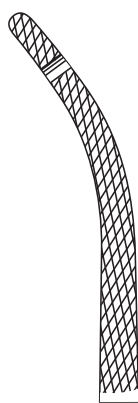


Fig. 1
DE-316
240 mm

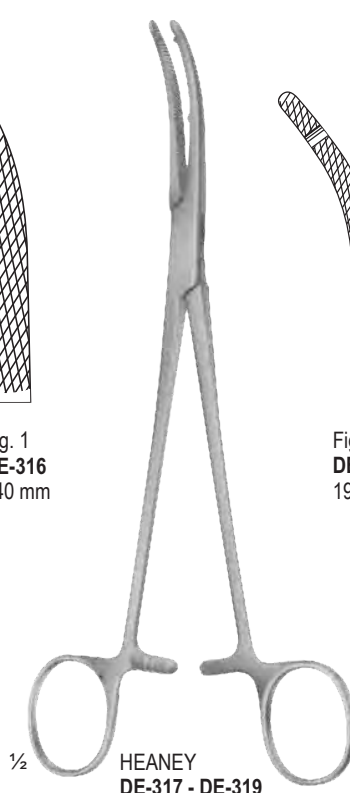


Fig. 2
DE-317
195 mm

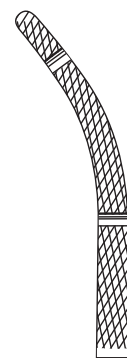


Fig. 2
DE-318
215 mm

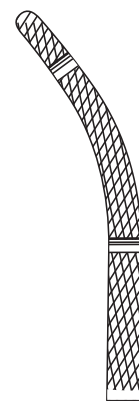
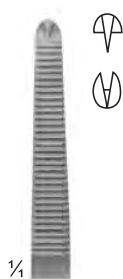
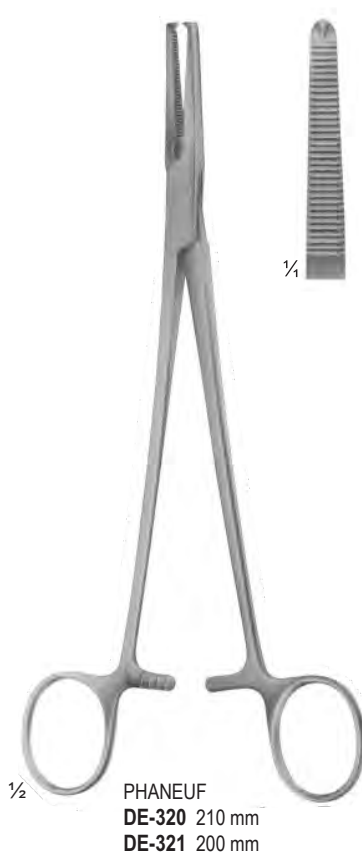


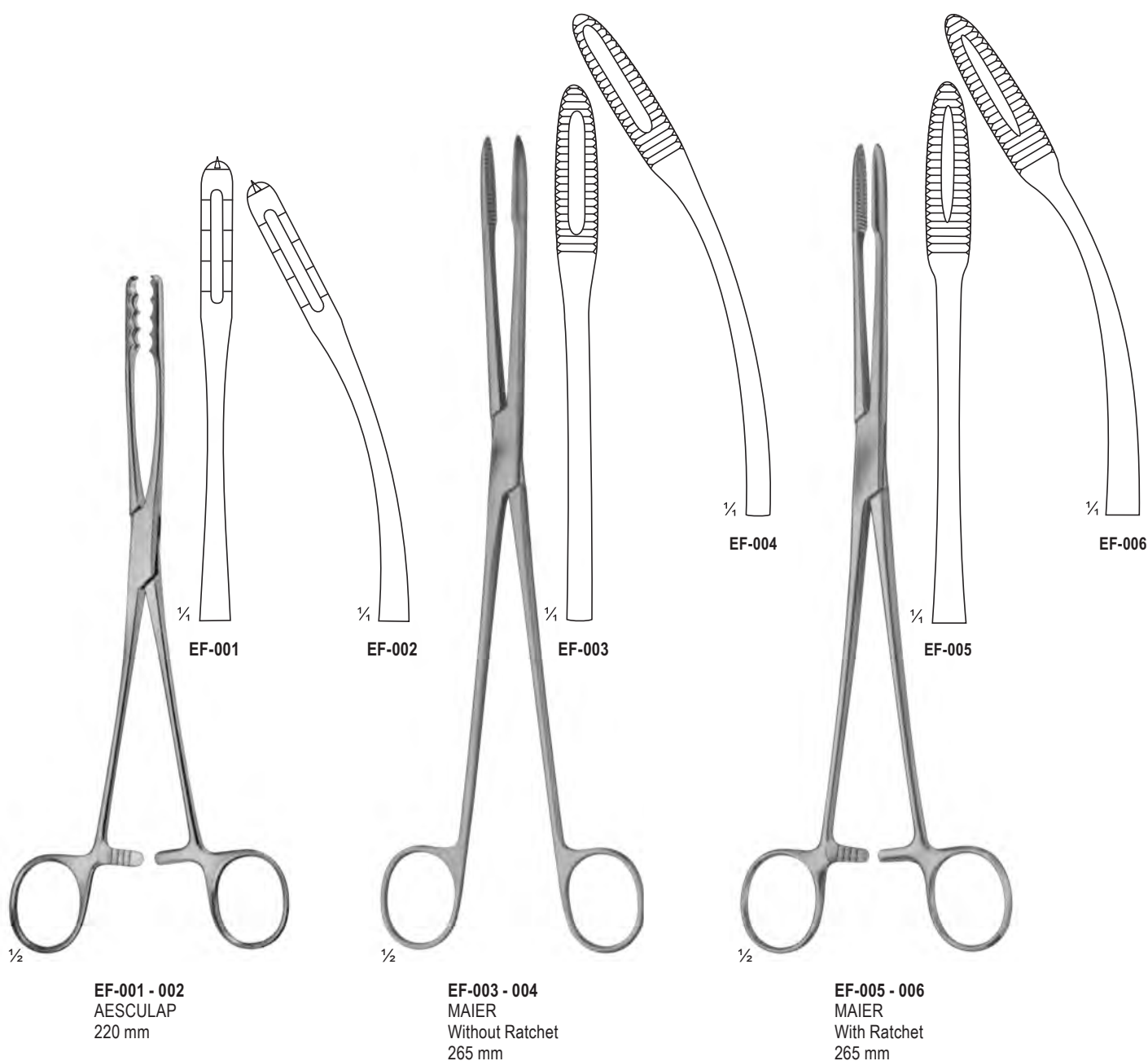
Fig. 2
DE-319
240 mm



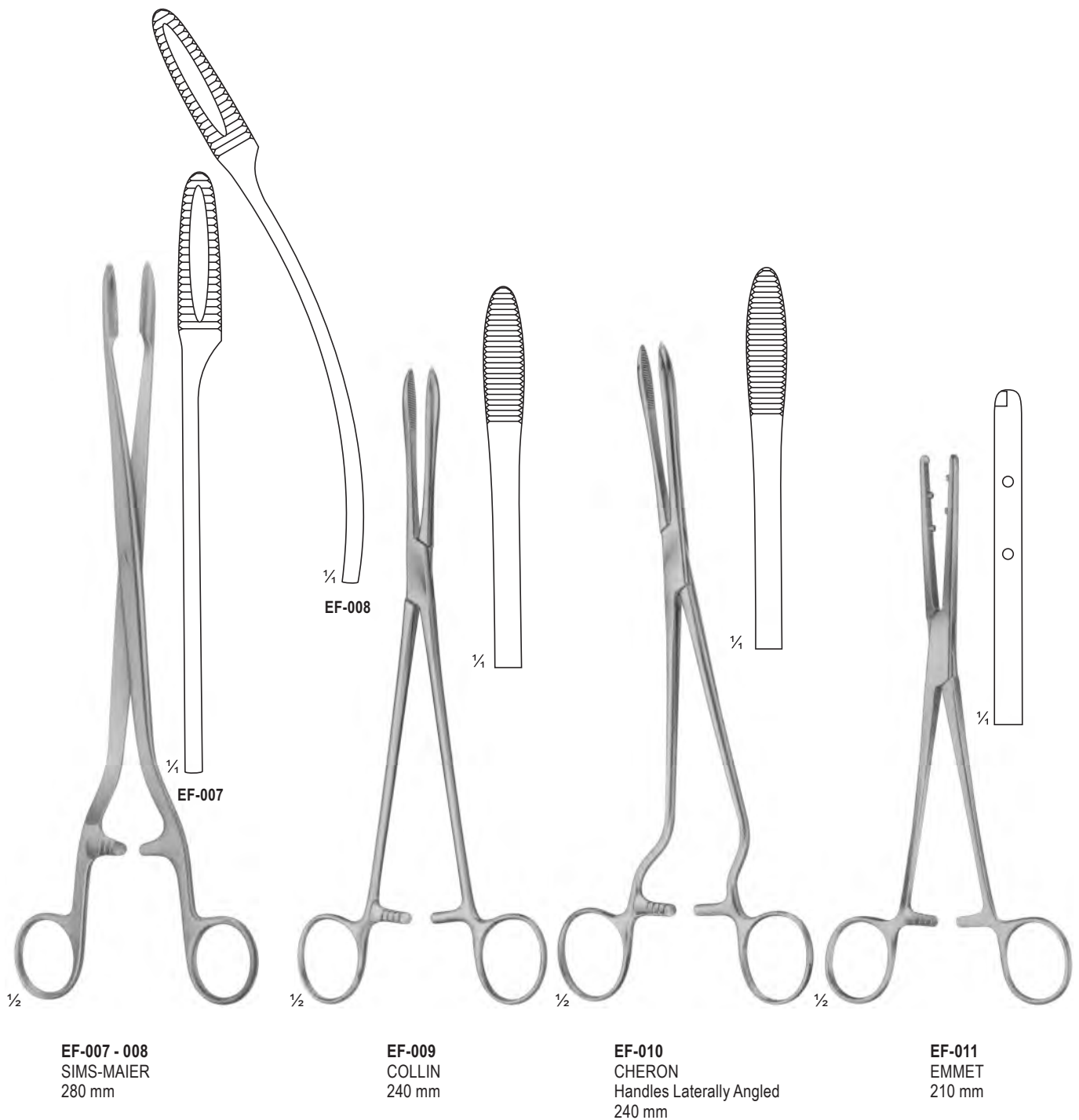
1/4

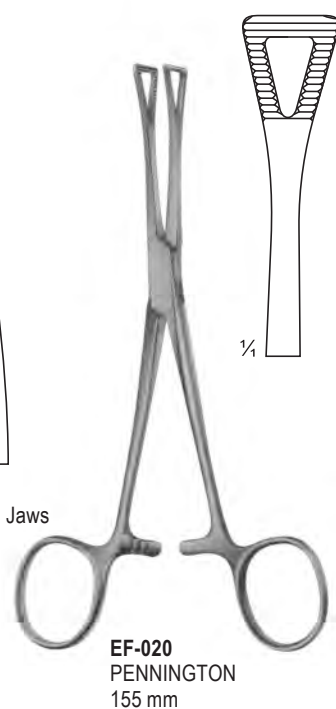
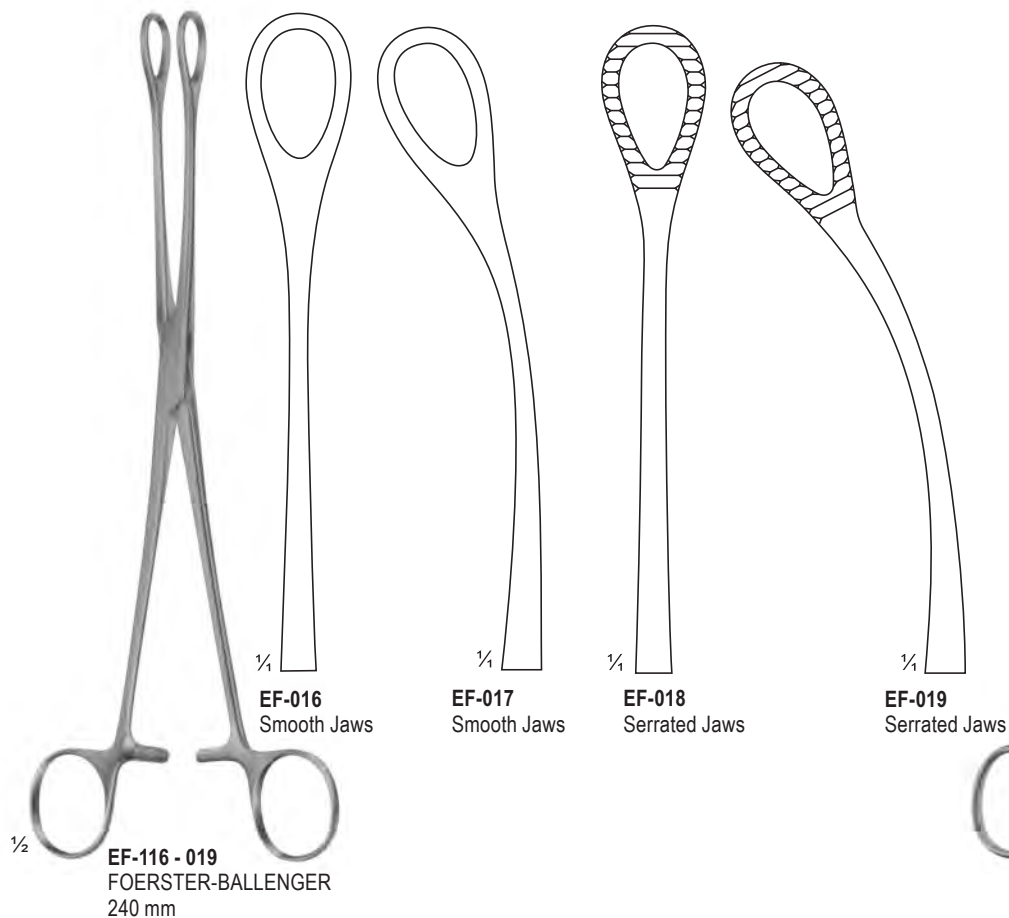
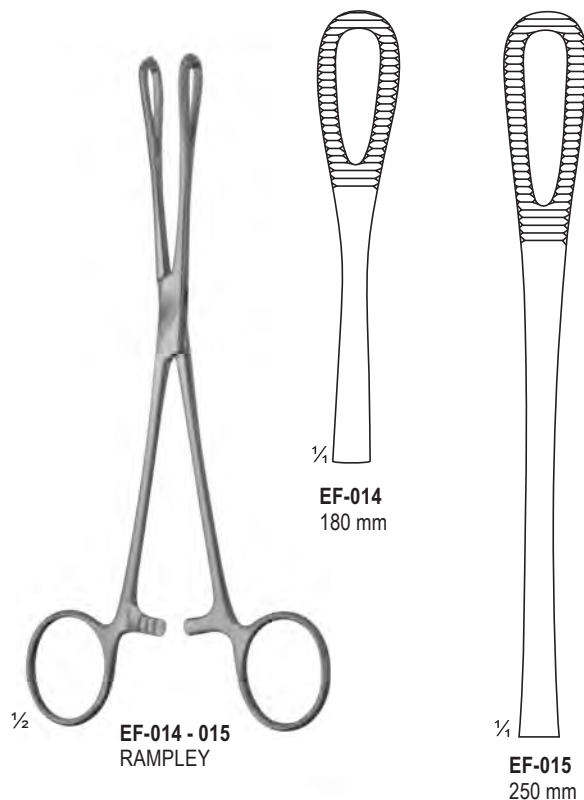
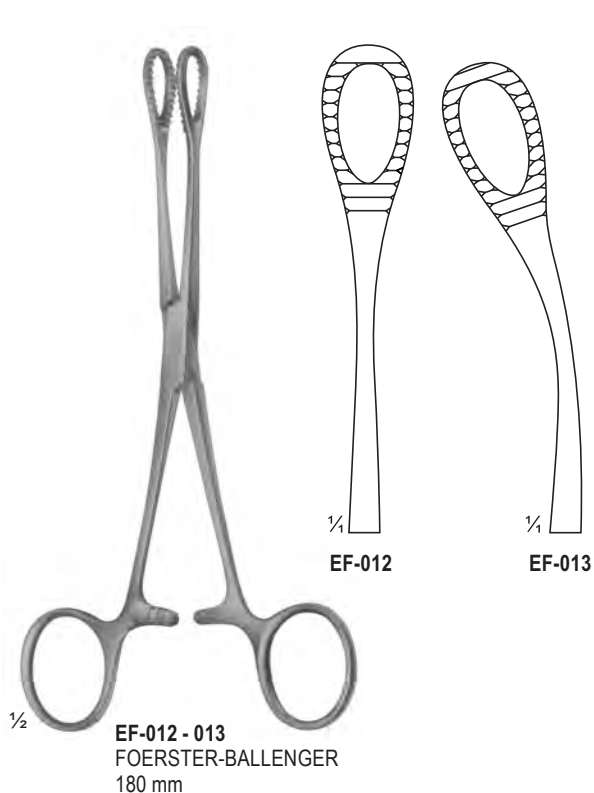
Page 117–125

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

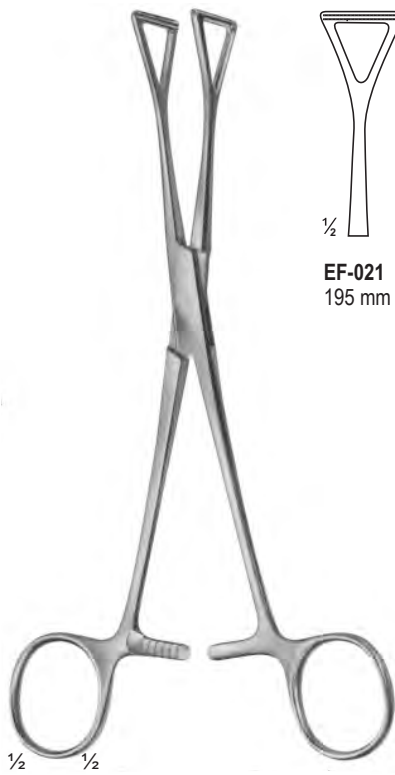


SPONGE AND DRESSING FORCEPS





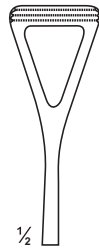
DRESSING AND SPONGE HOLDING



EF-021 - 022
COLLIN



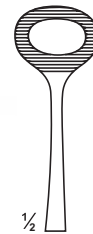
EF-021
195 mm



EF-022
230 mm



EF-023 - 025
COLLIN



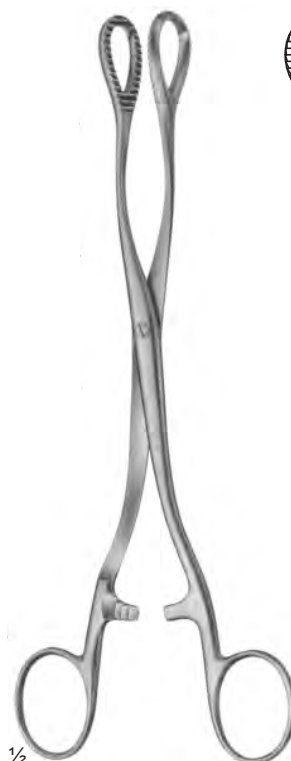
EF-023
160 mm



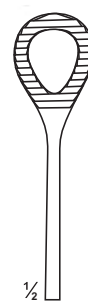
EF-024
160 mm

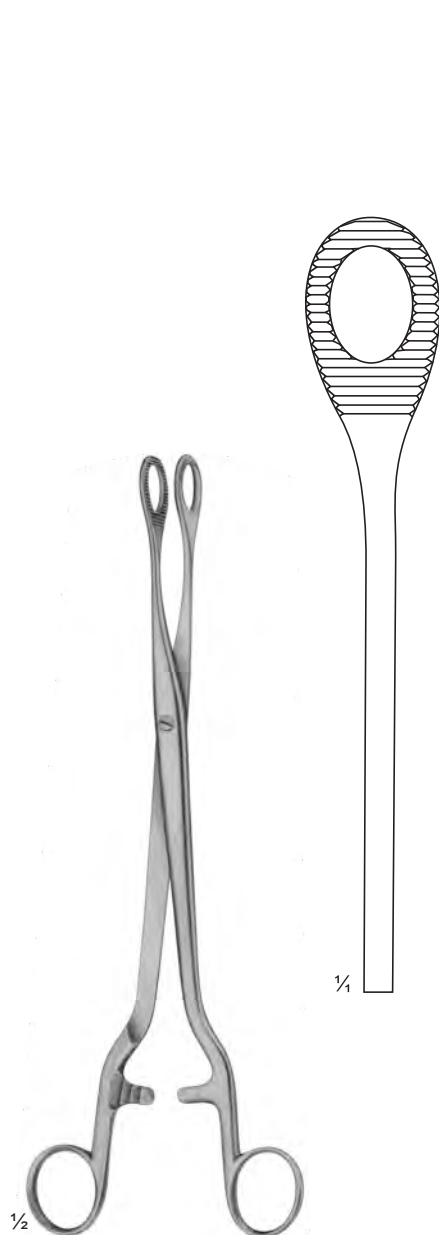


EF-025
170 mm

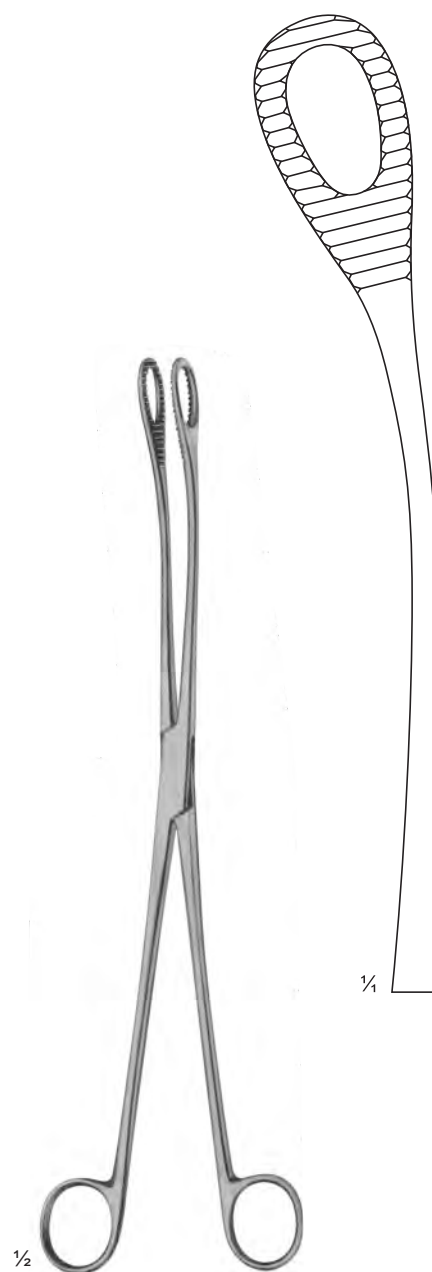


EF-026
HEYWOOD-
SMITH
200 mm





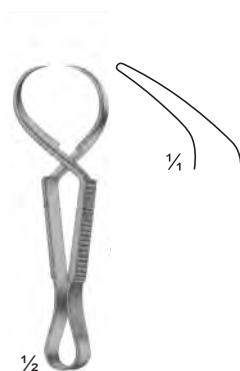
EF-027
NOTO
280 mm



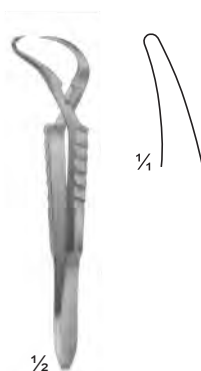
EF-028
KELLY
320 mm

ORGAN AND TISSUE GRASPING FORCEPS





EF-033
JONES
85 mm



EF-034
ENGL. MOD.
85 mm



EF-035 - 037
SCHAEFFEL
85 mm



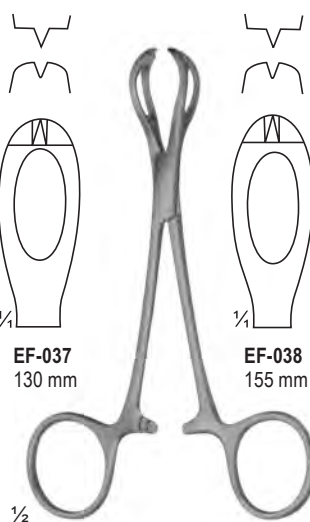
EF-035



EF-036



EF-037
130 mm



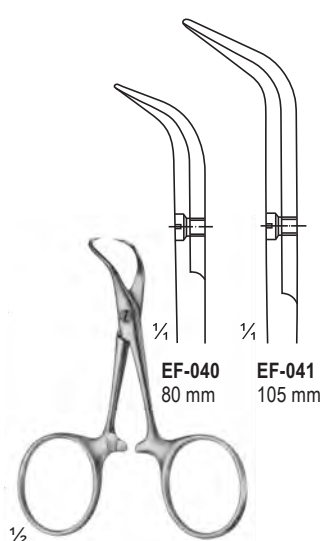
EF-038 - 039
LANE



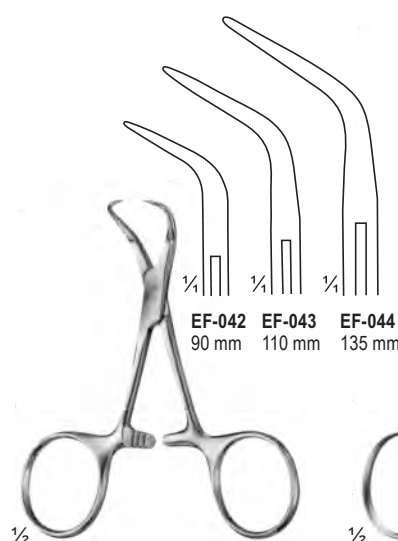
EF-038
155 mm



EF-039
195 mm



EF-040 - 041
BACKHAUS

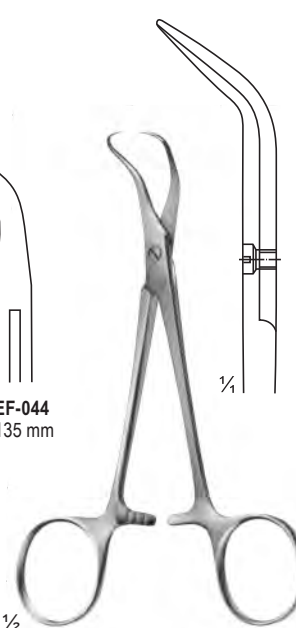


EF-042 - 044
BACKHAUS

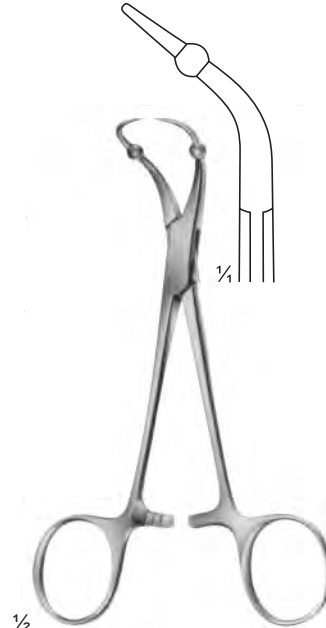
EF-042
90 mm

EF-043
110 mm

EF-044
135 mm



EF-045
BACKHAUS-KOCHER
135 mm

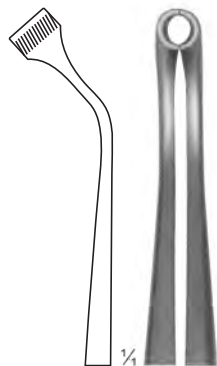


EF-046
ROEDER
135 mm

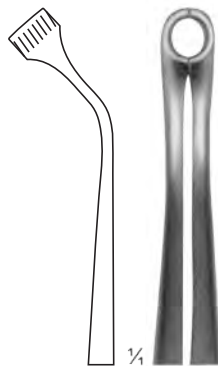
TENDON SEIZING FORCEPS



HERZ
EF-047 - 048
155 mm



EF-047



EF-048



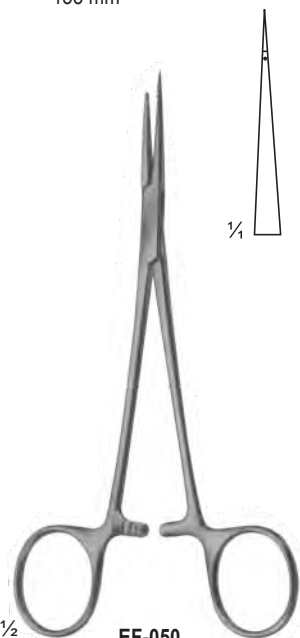
JACKSON
4 x 5 teeth
EF-049
150 mm



EF-049



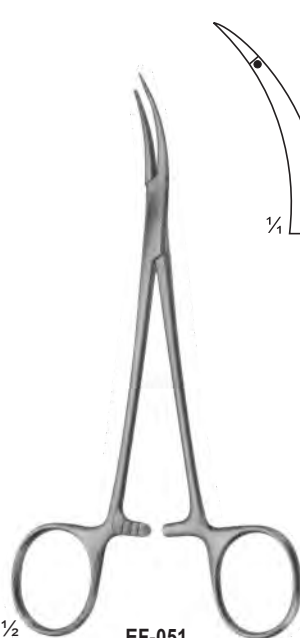
1/4



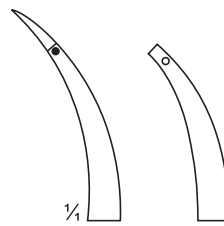
EF-050
150 mm



1/4



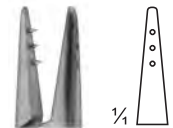
EF-051
150 mm



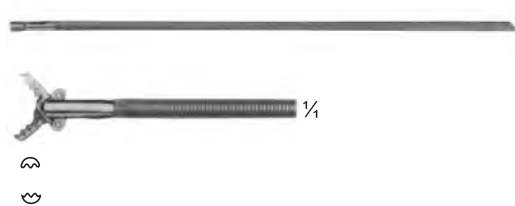
1/4



EF-052
120 mm

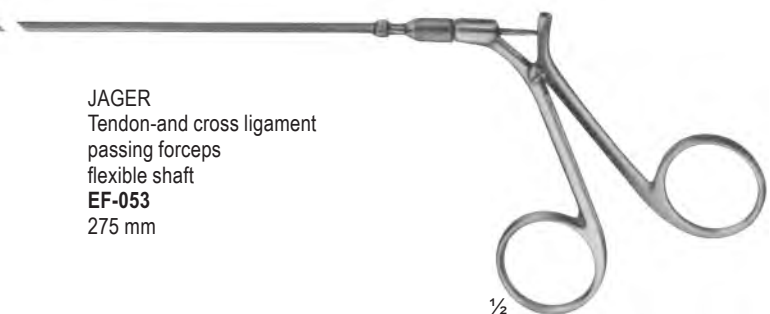


1/4

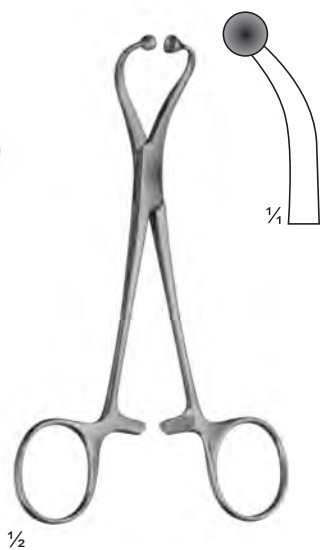


1/4

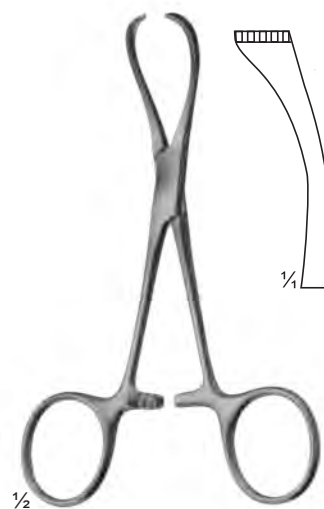
JAGER
Tendon and cross ligament
passing forceps
flexible shaft
EF-053
275 mm



1/2



EF-054
for paper cloths
140 mm



EF-055
LORNA
non perforating
130 mm



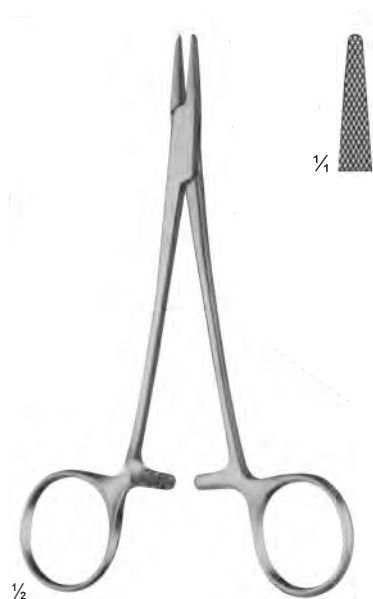
EF-056
BUNT
105 mm



EF-057
MAYO
140 mm

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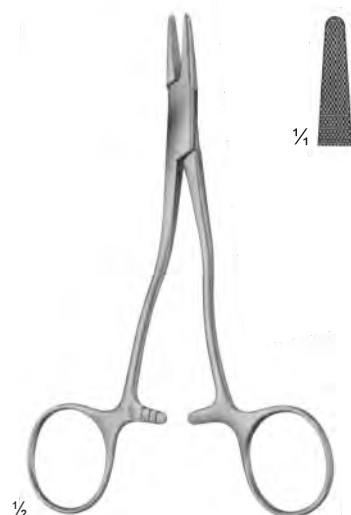
- Needle Holders
- Suture Instruments
- Ligature Needles
- Guiding Probes



CRILE-MURRAY
FG-001
15 cm



CRILE-WOOD
FG-002
16 cm

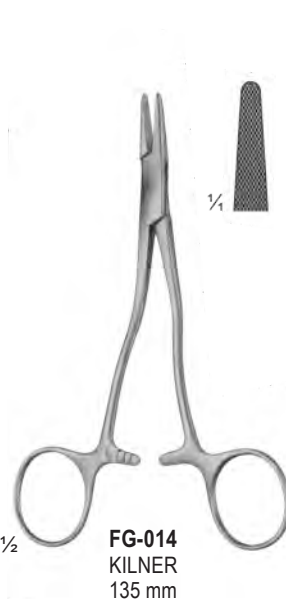
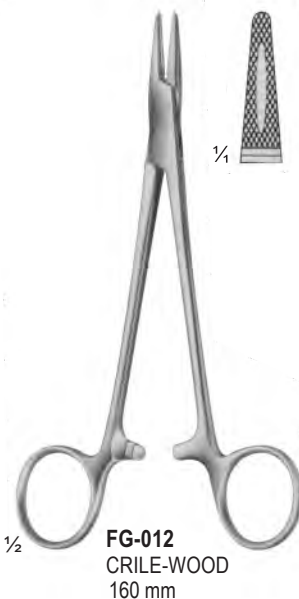
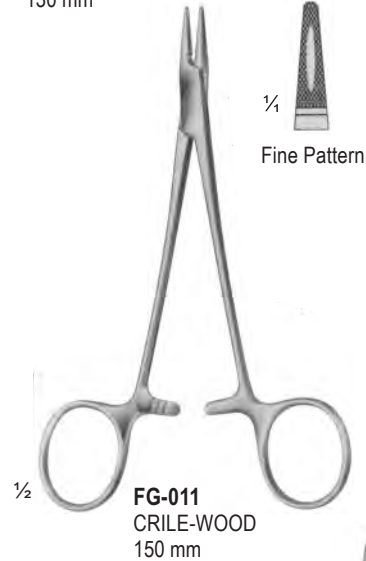
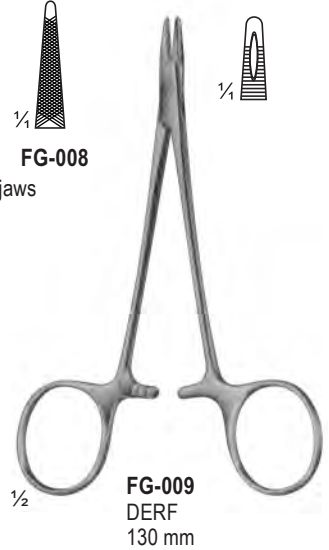
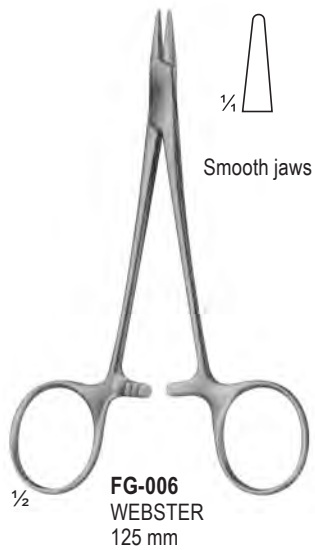


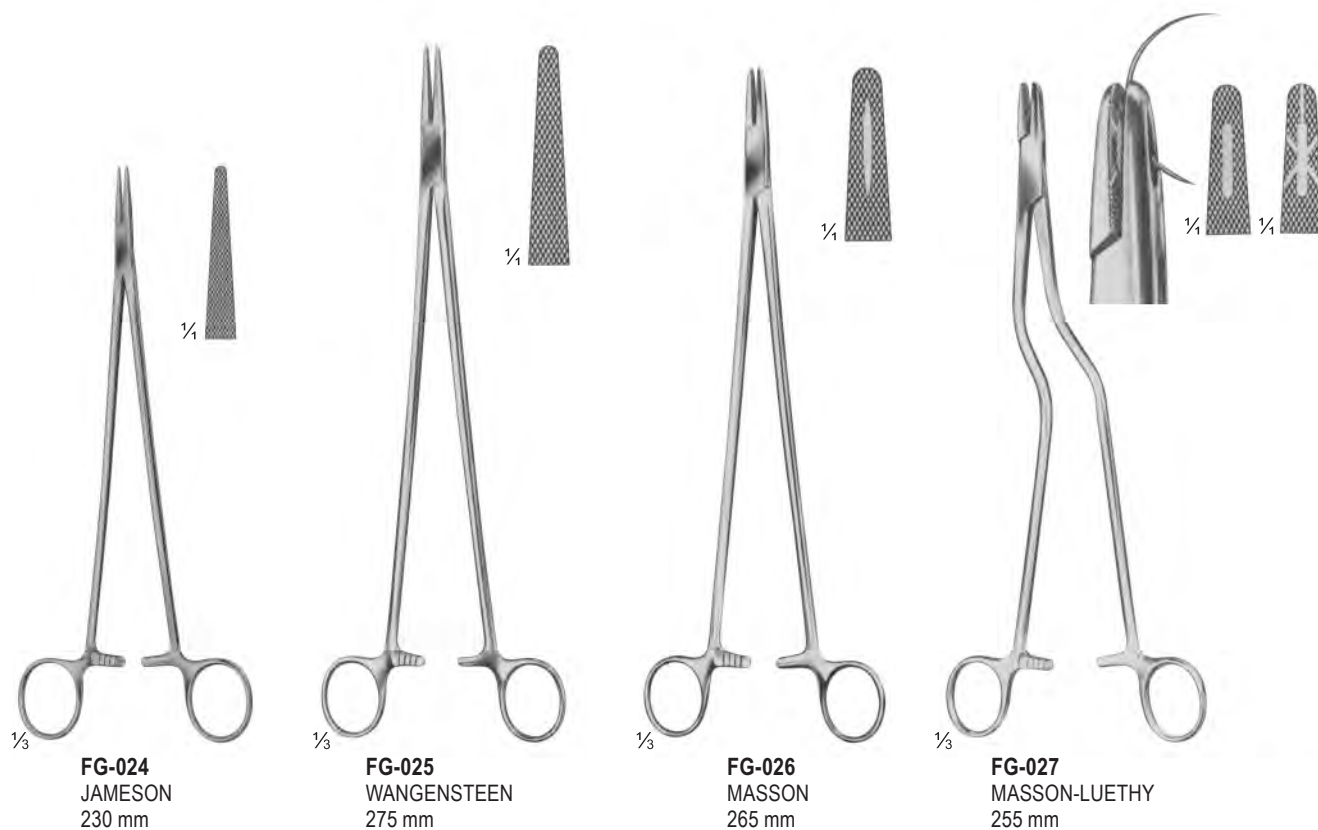
KILNER
FG-003
13.5 cm



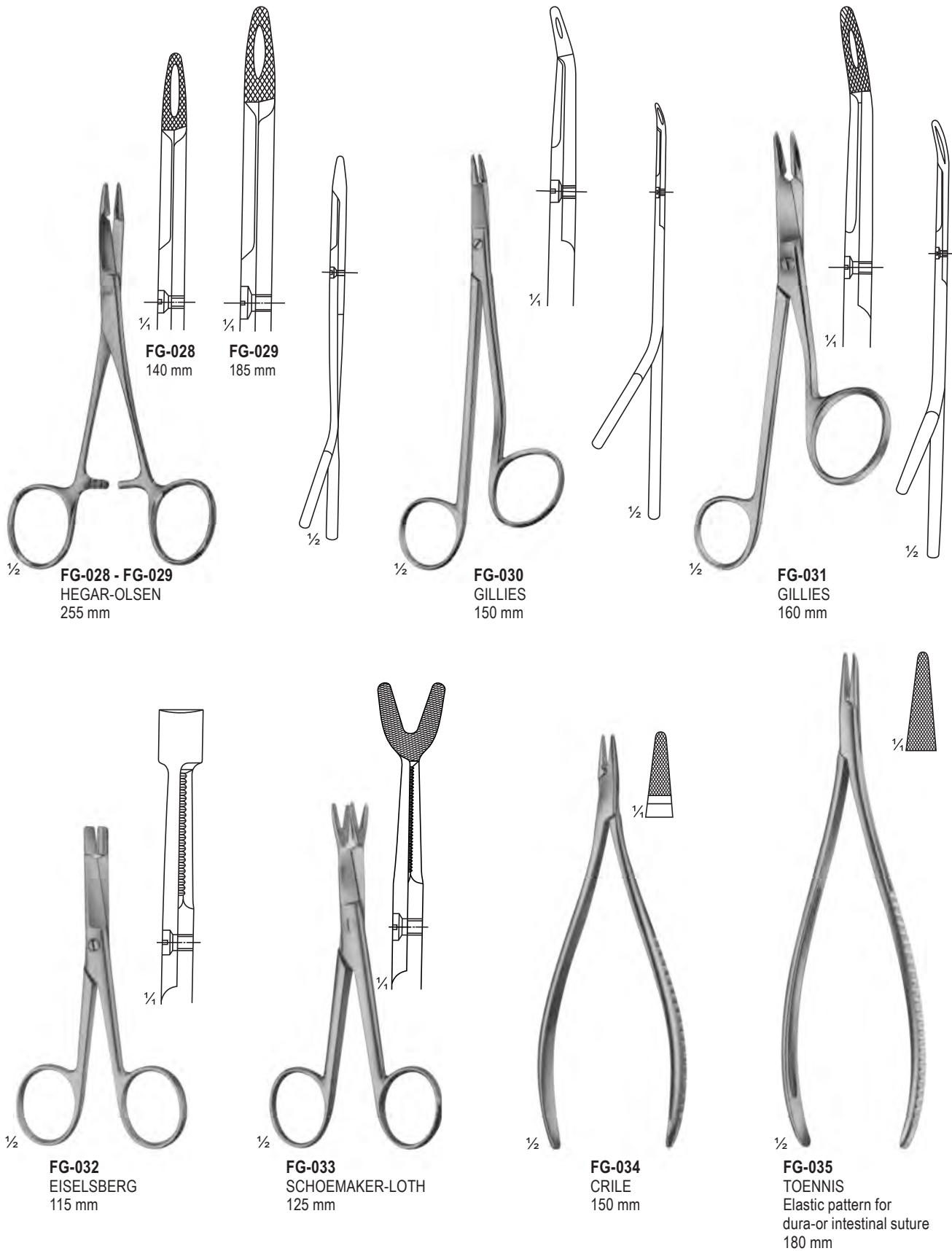
ADSON
FG-004
17.5 cm

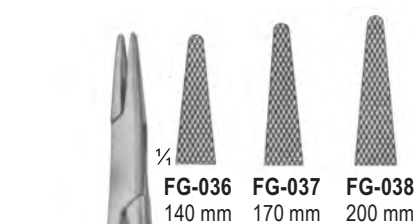
NEEDLE HOLDERS



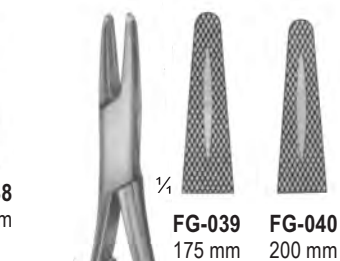


NEEDLE HOLDERS





FG-036 - FG-038
MATHIEU



FG-039 - FG-040
MATHIEU-STILLE
Very heavy models



FG-041
BOYNTON
125 mm



FG-042
EISELSBERG-MATHIEU
For palate suture
195 mm



FG-043
MATHIEU-KOCHER



FG-044
BOYNTON
125 mm



FG-045
MILLIN
Ligature holding forceps
245 mm

SUTURE INSTRUMENTS – REVERDIN NEEDLES

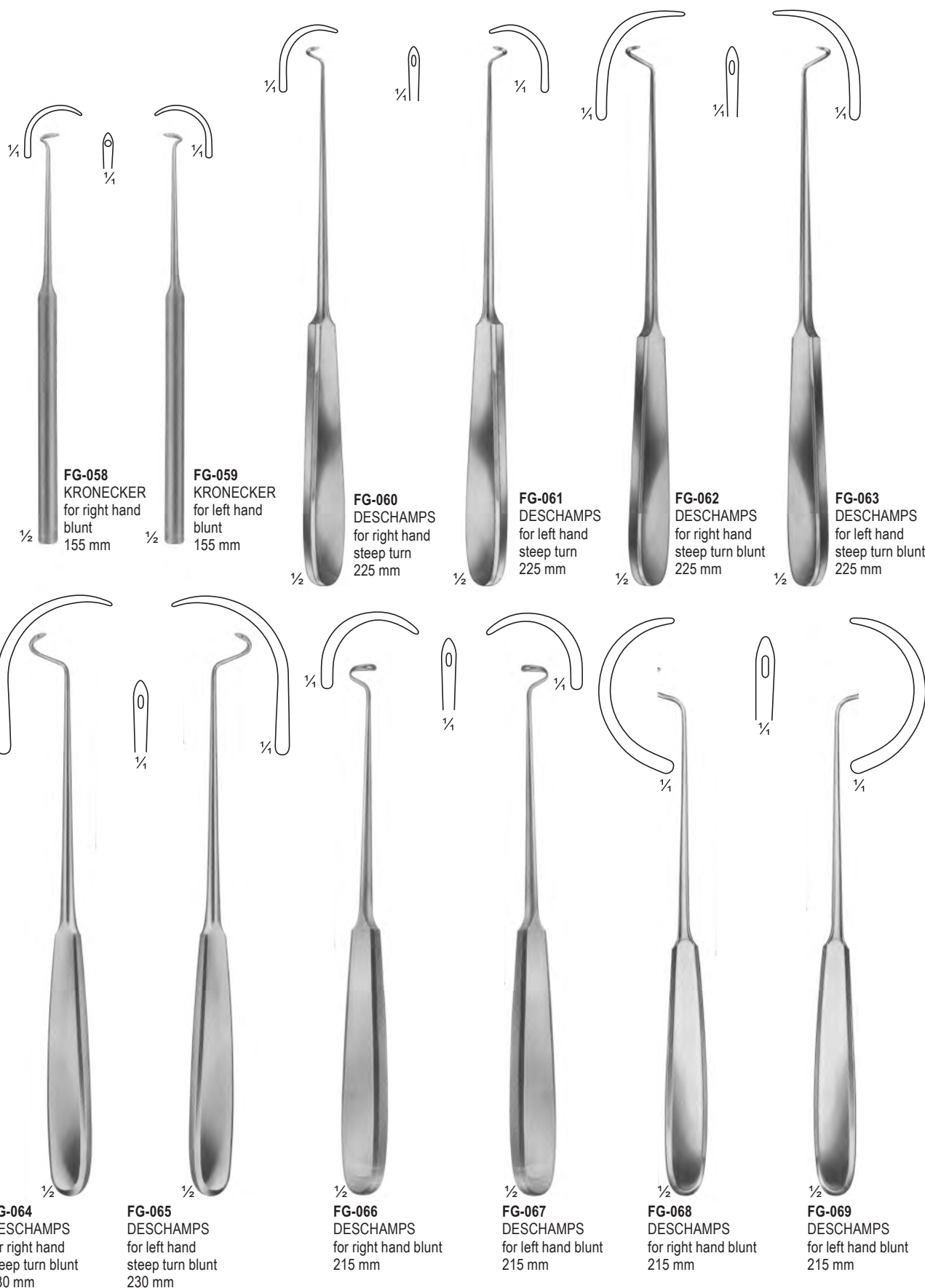


FG-046 - FG-049
REVERDIN
140 mm

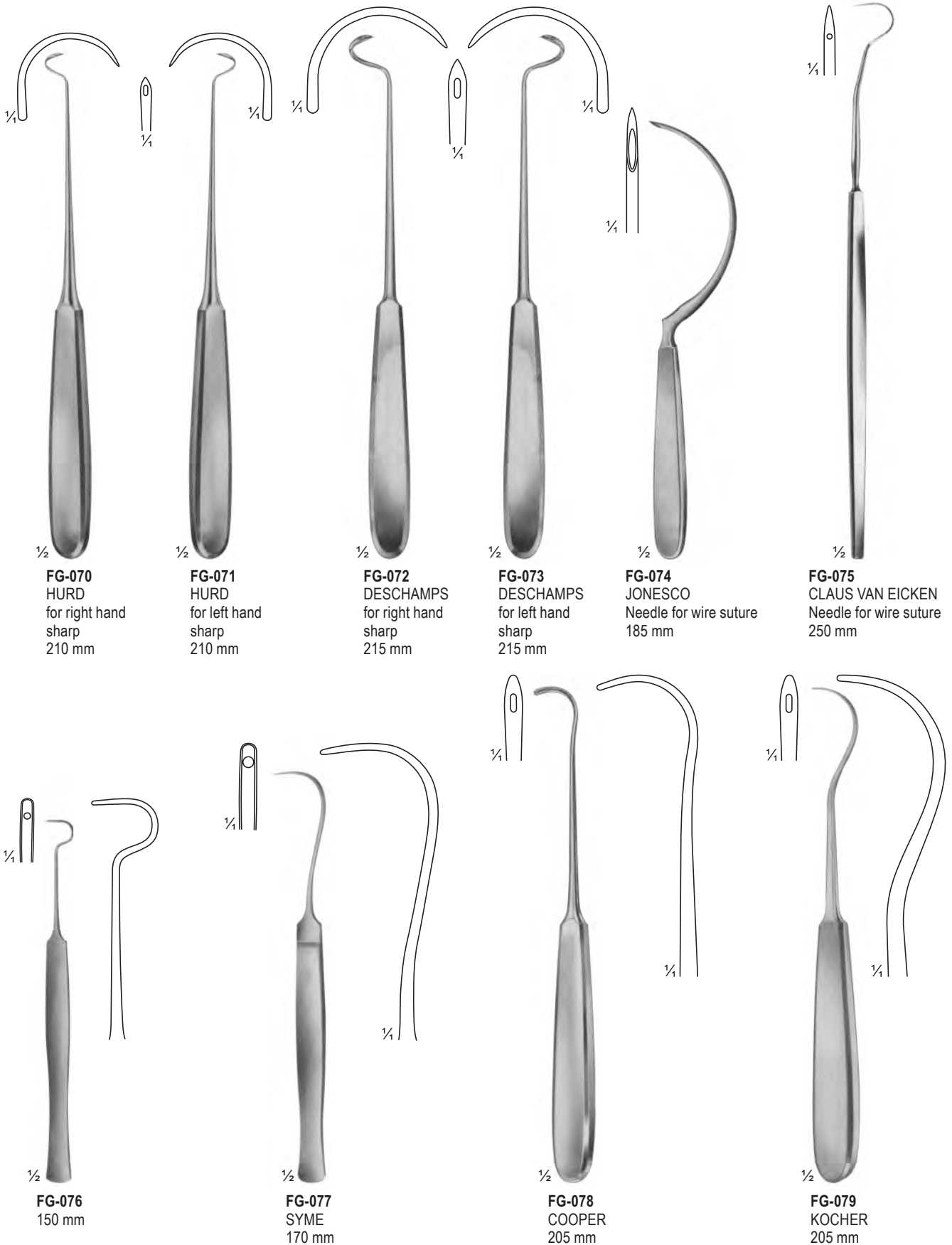


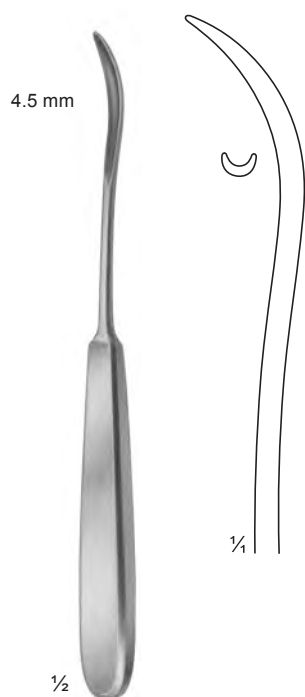
FG-050 - FG-053
REVERDIN
195 mm

FG-054 - FG-057
REVERDIN
220 mm

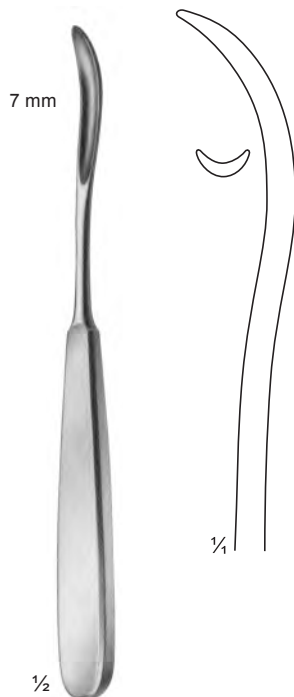


SUTURE INSTRUMENTS – LIGATURE NEEDLES

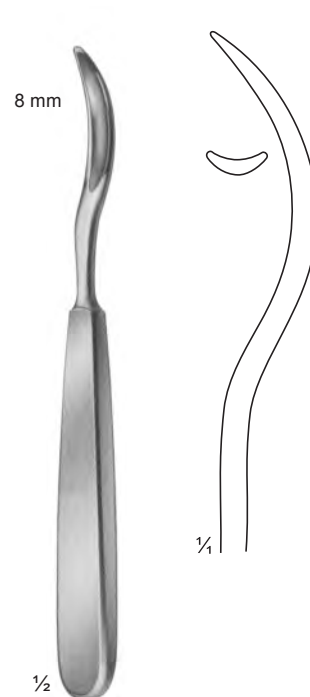




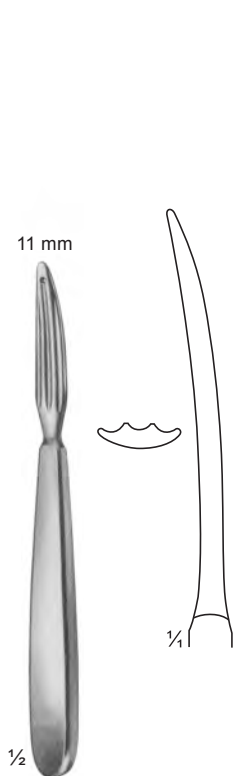
FG-080
KOENIG
195 mm



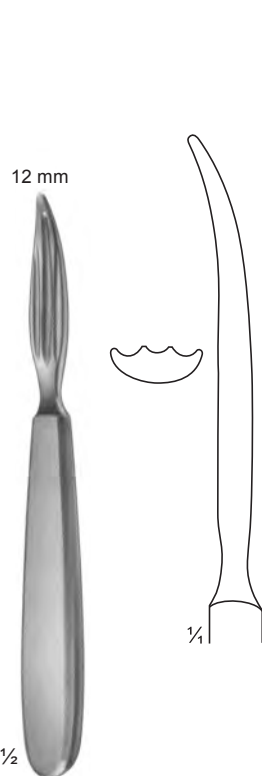
FG-081
KOENIG
200 mm



FG-082
SCHMIEDEN
185 mm



FG-083
KOCHER
150 mm



FG-084
KOCHER
170 mm

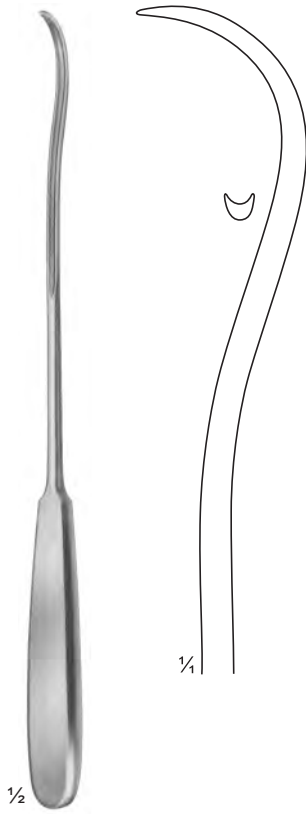


FG-085
PAYR
195 mm

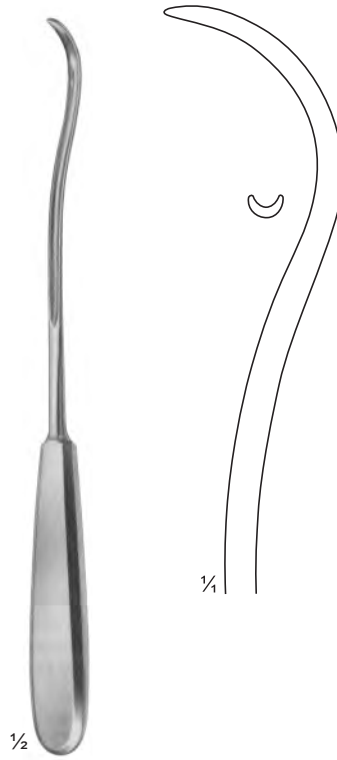


FG-086
PAYR 225 mm

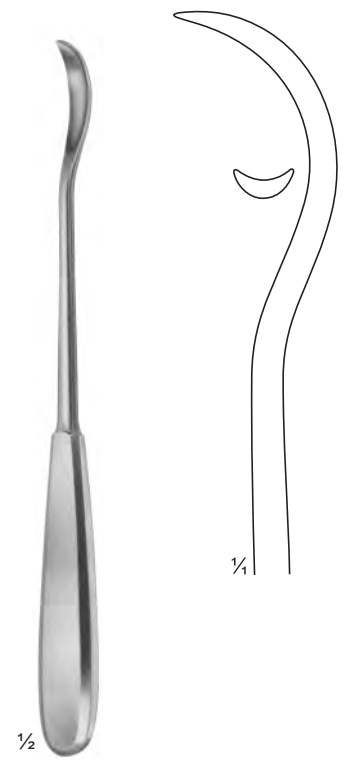
GUIDING PROBES



FG-087
280 mm



FG-088
KIRSCHNER
255 mm



FG-089
BRUNNER
245 mm



FG-090
Ligature Adjuster
230 mm



FG-091
CASPER
Ligature Adjuster
230 mm

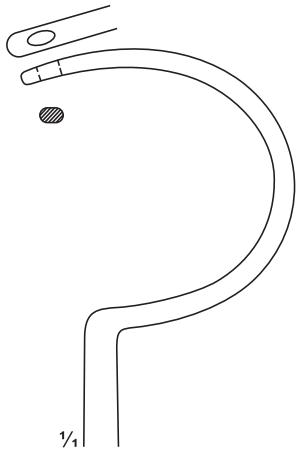


FG-092
WIENER MODEL
Suture hook
235 mm

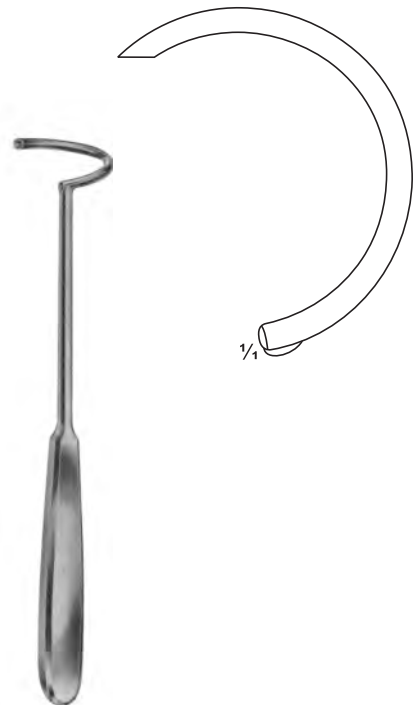




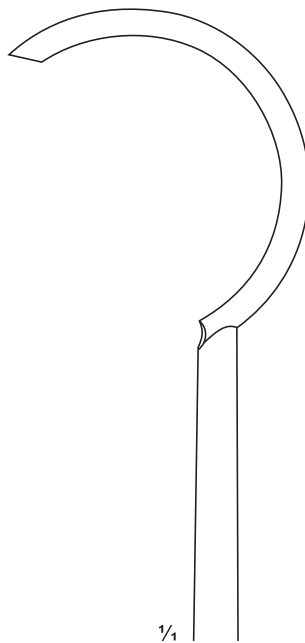
SUTURE INSTRUMENTS – LIGATURE NEEDLES



DE MEL
Wire guides
FG-098 - FG-100
FG-098 275 mm
FG-099 285 mm
FG-100 305 mm



FG-101
225 mm



FG-102 - FG-103
FG-102 240 mm
FG-103 270 mm



KALT
FG-104
13.5 cm



DIETRICH
FG-105 - FG-109
FG-105 16 cm
FG-106 18 cm
FG-107 20 cm
FG-108 23 cm
FG-109 26 cm



WEBSTER
FG-110
13 cm



DERF
FG-111
12 cm



HEGAR-BAUMGARTNER
FG-112 - FG-113
FG-112 12.5 cm
FG-113 14 cm

FG-112
12.5 cm

FG-113
14 cm



WEBSTER
FG-114
13 cm

NEEDLE HOLDERS WITH TUNGSTEN CARBIDE INSERTS



HALSEY
FG-115 - FG-116
13 cm



CRILE-WOOD
FG-117 - FG-118



SAROT
FG-119 - FG-121





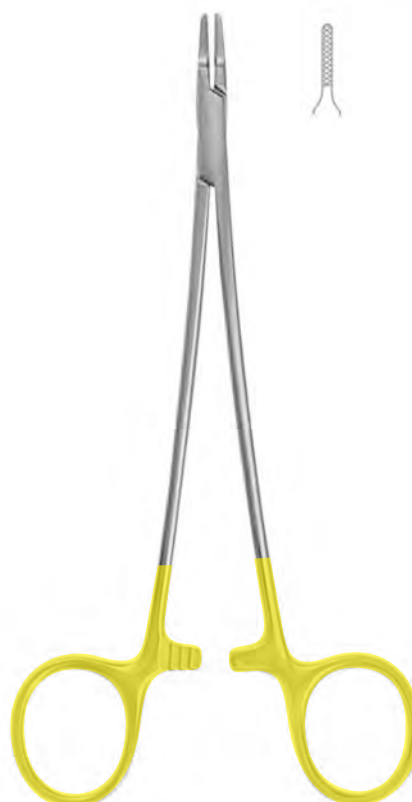
MAYO-HEGAR
FG-122 - FG-127
FG-122 16 cm
FG-123 18 cm
FG-124 20 cm
FG-125 24 cm
FG-126 26 cm
FG-127 30 cm



MAYO-HEGAR (HEANEY)
FG-128 - FG-130
FG-128 20 cm
FG-129 24 cm
FG-130 26 cm



DE BAKLEY
FG-131 - FG-136
FG-131 18 cm
FG-132 20 cm
FG-133 23 cm
FG-134 26 cm
FG-135 31 cm
FG-136 37 cm

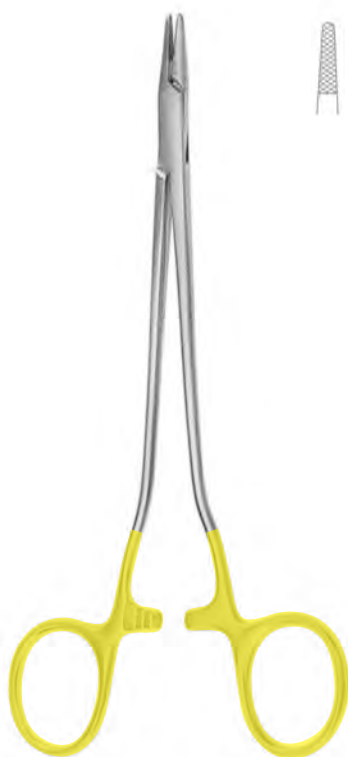


RYDER-VASCULAR
FG-137 - FG-142
FG-137 13 cm
FG-138 15 cm
FG-139 18 cm
FG-140 20 cm
FG-141 23 cm
FG-142 26 cm

NEEDLE HOLDERS WITH TUNGSTEN CARBIDE INSERTS



RYDER
FG-143 - FG-148
FG-143 13 cm
FG-144 15 cm
FG-145 18 cm
FG-146 20 cm
FG-147 23 cm
FG-148 26 cm



SCHWEDISCHES MODELL
FG-149 - FG-151
FG-149 15 cm
FG-150 17 cm
FG-151 20 cm



MAYO-HEGAR (HEANEY)
FG-152 - FG-155
FG-152 14 cm
FG-153 18 cm
FG-154 20 cm
FG-155 23 cm



FINOCCHIETTO
FG-156
 27 cm



MASSON
FG-157
 27 cm



WANGENSTEEN
FG-158
 27 cm



BOZEMANN
FG-159 - FG-161
FG-159 20 cm
FG-159-1 14 cm
FG-160 24 cm
FG-161 26 cm



BERRY STERNAL
FG-162 - FG-163



FG-162
FOR STERNUM
SUTURE
15 cm

FG-163
WIRE TWISTER
20 cm



HEGAR
FG-164 - FG-165
FG-164 20 cm
FG-165 24 cm



NEEDLE HOLDERS WITH TUNGSTEN CARBIDE INSERTS



STRATTE
FG-166 - FG-167
FG-166 22 cm
FG-167 23 cm



GILLIES
FG-168
16 cm



OLSEN-HEGAR
FG-169 - FG-171
FG-169 14 cm
FG-170 17 cm
FG-171 18 cm



TOENNIS
FG-172
18 cm



LICHTENBERG
FG-173 - FG-174
FG-173 17 cm
FG-174 20 cm



MATHIEU-KOCHER
FG-175 - FG-177
FG-175 14 cm
FG-176 17 cm
FG-177 20 cm



MATHIEU
FG-178 - FG-180
FG-178 14 cm
FG-179 17 cm
FG-180 20 cm



MATHIEU
FG-181 - FG-183
FG-181 14 cm
FG-182 17 cm
FG-183 20 cm



ZWEIFEL
FG-184 - FG-185
FG-184 20 cm
FG-185 23 cm



LANGENBECK
FG-186 - FG-188
FG-186 18 cm
FG-187 20 cm
FG-188 23 cm

NEEDLE HOLDERS WITH TUNGSTEN CARBIDE INSERTS



CASTROVIEJO
FG-189 - FG-192
14.5 cm



FG-189



FG-190



FG-191



FG-192



CASTROVIEJO
FG-193 - FG-196
18 cm



FG-193



FG-194



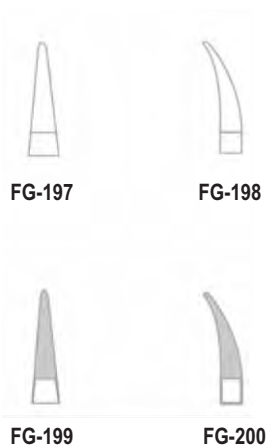
FG-195



FG-196



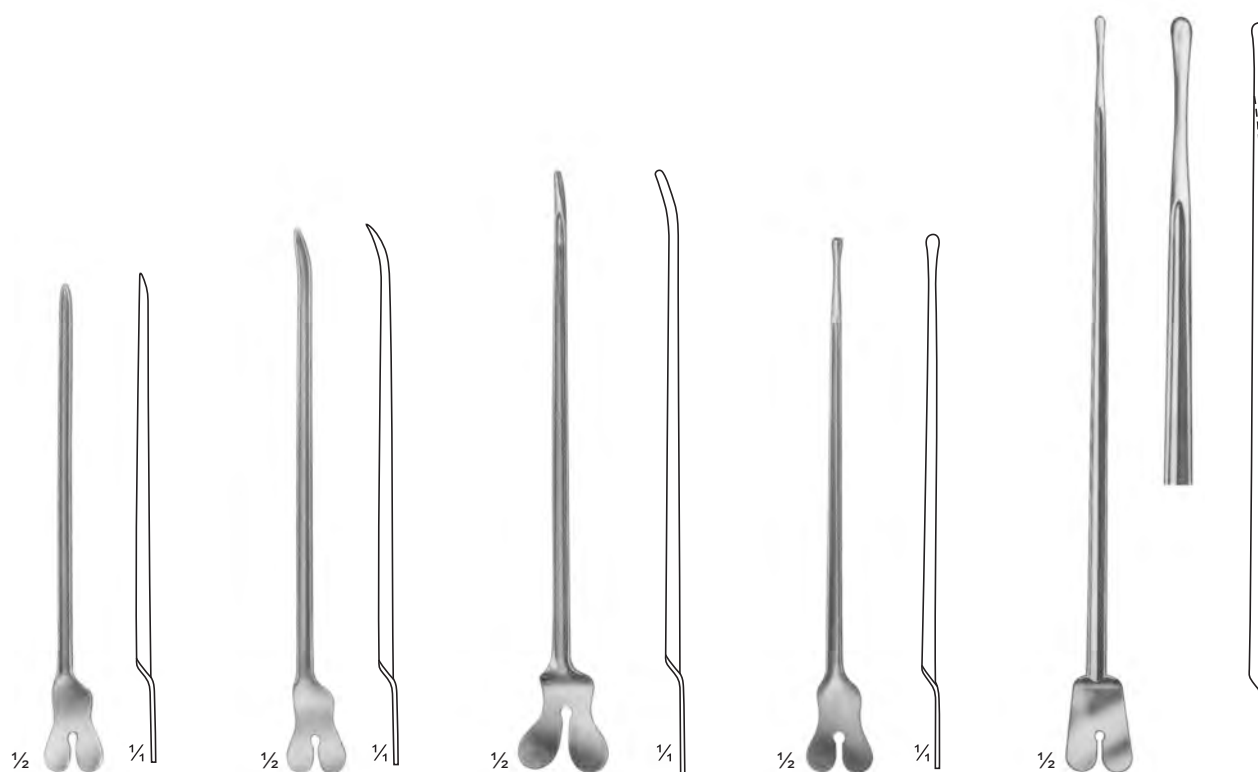
BARRAQUER
FG-197 - FG-200
14.5 cm



HEPP SCHEIDEL
FG-201
18 cm

Page 147–153

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



GH-001 130 mm
GH-002 145 mm
GH-003 160 mm
 Directors

GH-004
 DOYEN
 145 mm
 Directors

GH-005
 NELATON
 160 mm
 Directors

GH-006
 Director with tip
 Diam. Of tip 3,3 mm
 140 mm

GH-007
 BRODIE
 Director with tip,
 Diam. Of tip 3,5 mm
 200 mm

PROBES



GH-008 2,5 mm
GH-009 2,5 mm
GH-010 3,0 mm

GH-008 145 mm
GH-009 160 mm
GH-010 200 mm
Probes with eye



1.5 mm

GH-011
Myrtle leaf probe
145 mm



2 mm

GH-012 130 mm
GH-013 145 mm
GH-014 160 mm
GH-015 180 mm
GH-016 200 mm



GH-017
Probes



GH-018
Double ended probe,
malleable, diam. of tips
3 mm with hole
190 mm



GH-019
Double ended probes,
tin, malleable,
diam. of tips
3,5 mm with hole
250 mm, 300 mm



GH-020
Double ended probes,
tin, malleable,
diam. of tips 4 mm
400 mm



GH-021 1,5 mm
GH-022 2,0 mm
GH-023 2,5 mm
300 mm



GH-024
STACKE
100 mm



GH-025
KILLIAN
165 mm



GH-026
160 mm



GH-027
SEIFFERT
180 mm



GH-028
BOWMAN
130 mm

German Silver



GH-029
SPATULA
145 mm



GH-030
SPATULA
145 mm



GH-031
Modell PICCOLO
Round Serrated
110 mm



GH-032
Modell PICCOLO
Triangular Serrated end
110 mm



GH-033
FARRELL
Round Serrated end
110 mm



GH-034
LATHBURY-FARREL
Triangular Serrated end
110 mm



COTTON APPLICATORS



GH-035
BUCK
Rough, spiral end
120 mm



GH-036
Triangular
serrated end
140 mm



GH-037
Rough, spiral end
140 mm



GH-038
Rough, spiral end
140 mm



GH-039
Rough, spiral end
140 mm



GH-040
FARRELL
Round,
serrated end
140 mm



GH-041
LATHBURY-FARRELL
Triangular,
serrated end
140 mm



GH-042
FARRELL
Rough,
spiral end
160 mm



GH-043
LATHBURY-FARRELL
Triangular,
serrated end
160 mm



GH-044
Triangular,
serrated end
160 mm



GH-045
Rough,
spiral end
180 mm



GH-046
Rough,
spiral end
180 mm



GH-047
Rough,
spiral end
270 mm



GH-048
MICHEL
125 mm



GH-049
HEGENBARTH
120 mm



GH-050
WACHENFELDT
120 mm



GH-051
WACHENFELDT
120 mm



GH-052
MICHEL
125 mm



GH-053
MICHEL modif.
130 mm



GH-054
HEATH
135 mm



GH-055
COLLIN
135 mm

REDON – GUIDE NEEDLES



GH-056 8 CH
GH-057 10 CH
GH-058 12 CH
GH-059 14 CH
GH-060 16 CH
GH-061 18 CH

REDON
GH-056 - 061
 threaded end
 19.5 cm



GH-062 8 CH
GH-063 10 CH
GH-064 12 CH
GH-065 14 CH
GH-066 16 CH
GH-067 18 CH

REDON
GH-062 - 067
 threaded end
 14 cm



GH-068 8 CH
GH-069 10 CH
GH-070 12 CH
GH-071 14 CH
GH-072 16 CH
GH-073 18 CH

REDON
GH-068 - 073
 threaded end
 19.5 cm



GH-074 8 CH
GH-075 10 CH
GH-076 12 CH
GH-077 14 CH
GH-078 16 CH
GH-079 18 CH

REDON
GH-074 - 079
 threaded end
 19.5 cm



NABATOFF
GH-080
135x100x25 mm



GH-081



GH-082
Ø 3 mm



GH-083
Ø 6 mm



GH-087



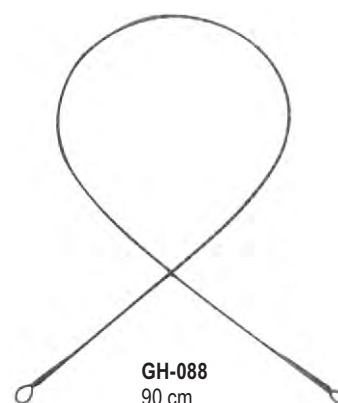
GH-084
Ø 9 mm



GH-085
Ø 12 mm



GH-086
Ø 15 mm



GH-088
90 cm



MYERS
GH-089



GH-090
Ø 6 mm



GH-091
Ø 9 mm



GH-092
Ø 12 mm



GH-093
Ø 15 mm



VARADY
GH-094



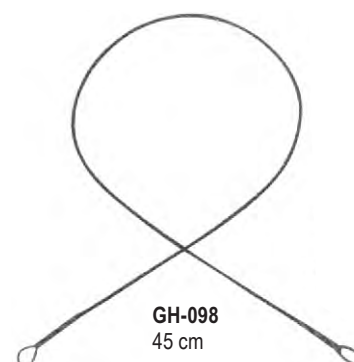
GH-095



GH-096



GH-097



GH-098
45 cm

Page 154–190

○ Wound Retractors



HI-001 Sharp
HI-002 Blunt
GRAEFE
125 mm



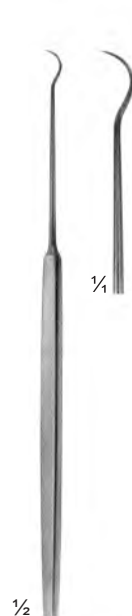
HI-003 125 mm
HI-004 130 mm
Sharp
GUTHRIE



HI-005 130 mm
HI-006 135 mm
Sharp
ROLLET
HI-007 135 mm
Blunt



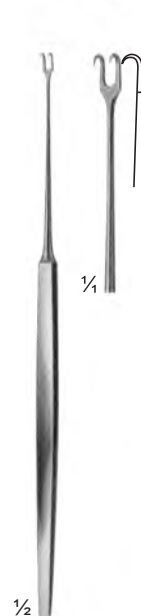
HI-008
FRAZIER
Dura Retractors
130 mm



HI-009
TONNIS
Dura Retractors
150 mm



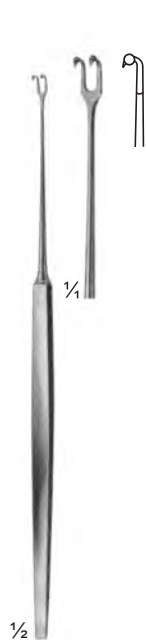
HI-010
KILNER
160 mm



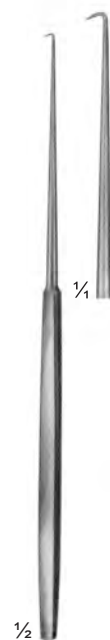
HI-011
FREER
150 mm



HI-012
MULLER
150 mm



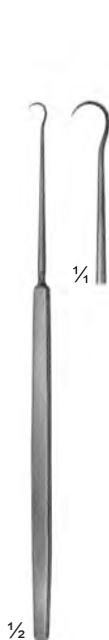
HI-013
MULLER
150 mm
HI-013-1
MULLER
180 mm



HI-014
COTTLE
160 mm



HI-015
COTTLE
160 mm



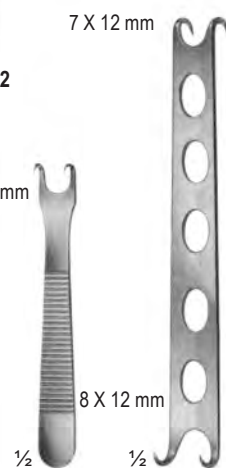
HI-016
JAEGAR
135 mm



HI-017 - 020
JOSEPH
165 mm



HI-021 - 022
GILLIES
180 mm

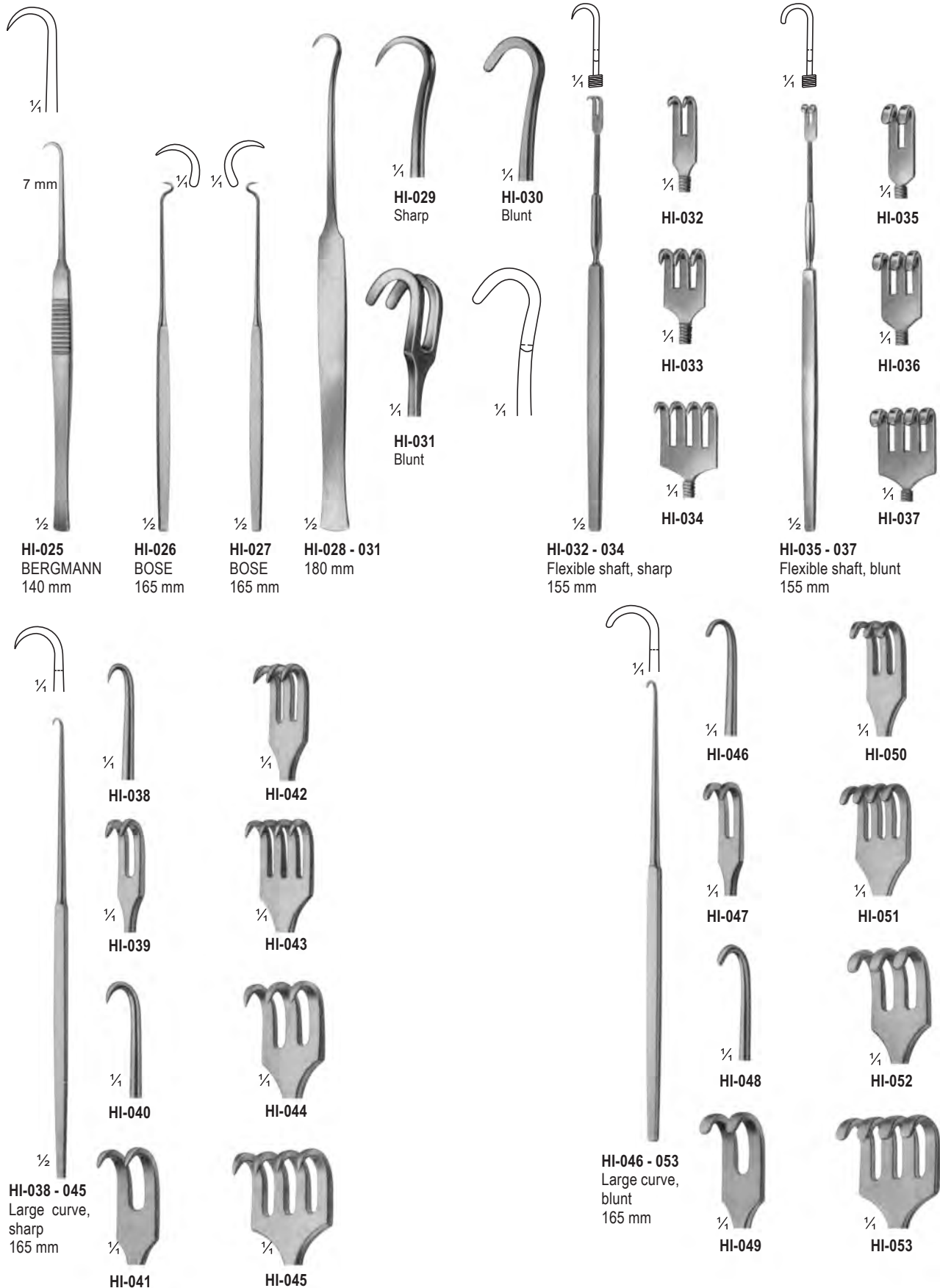


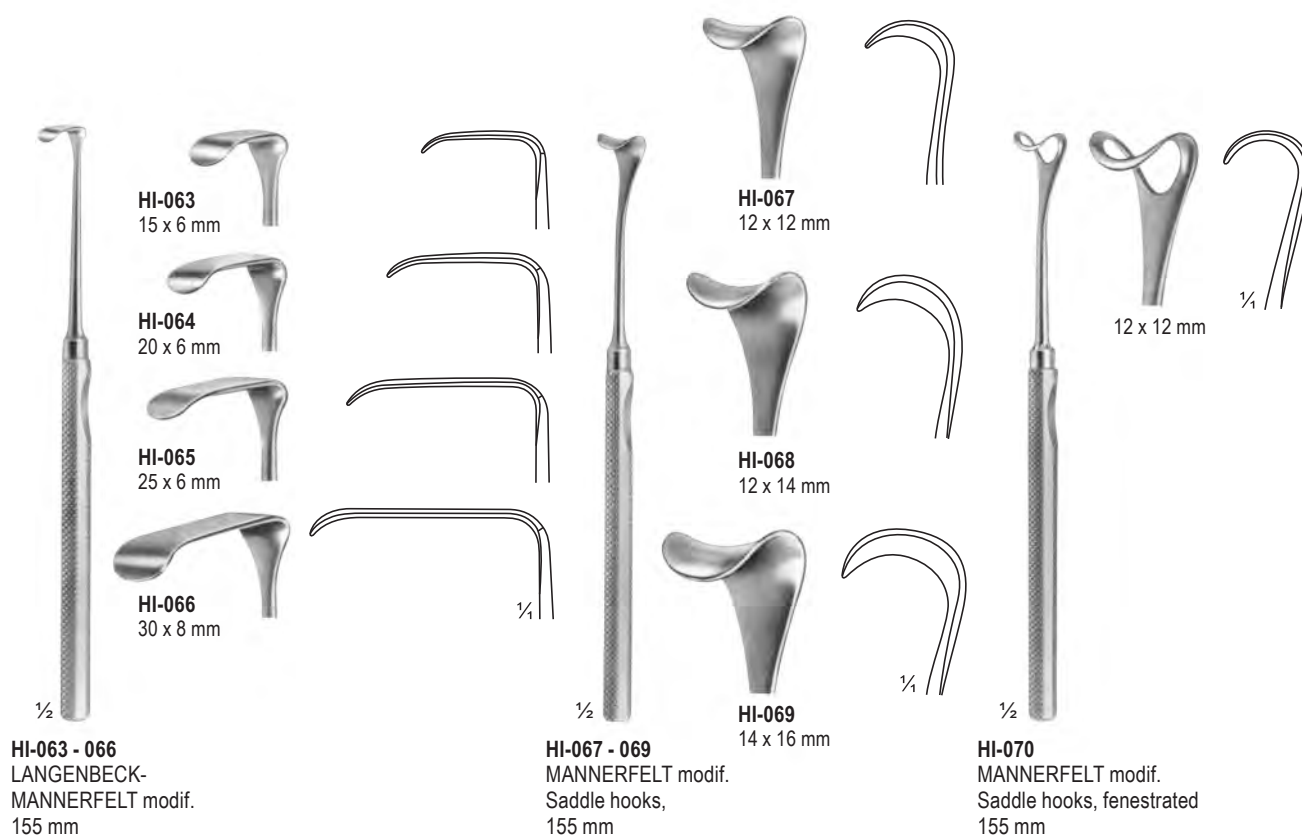
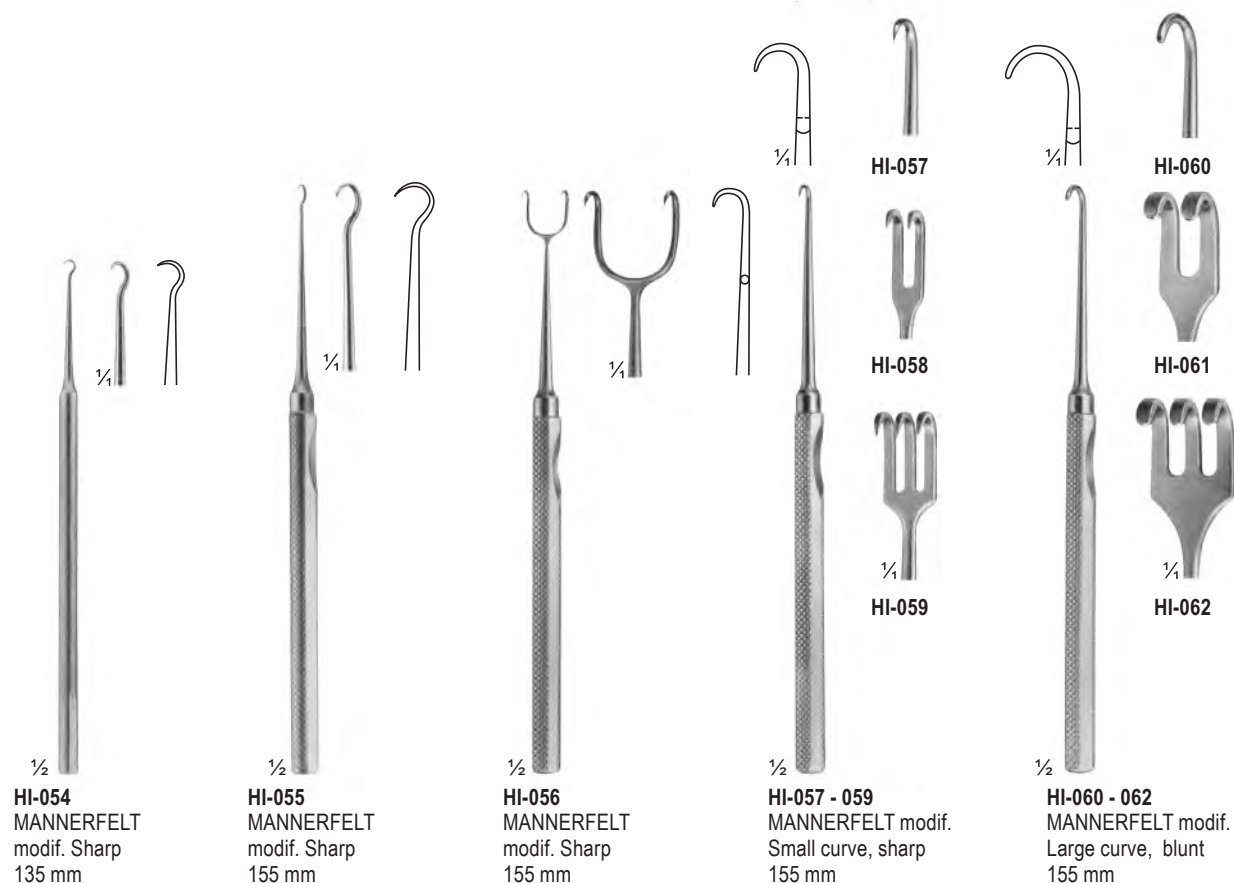
HI-023
KILNER
Sharp
80 mm



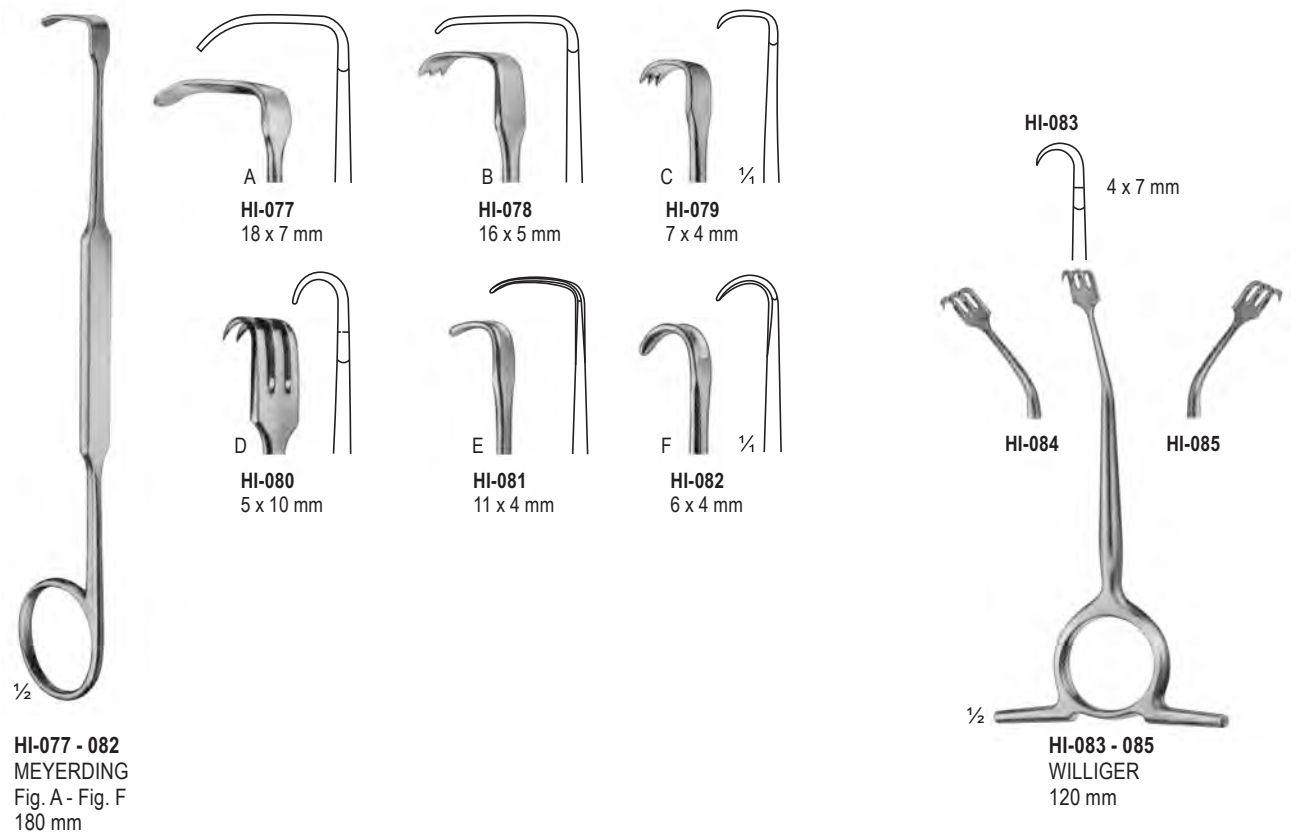
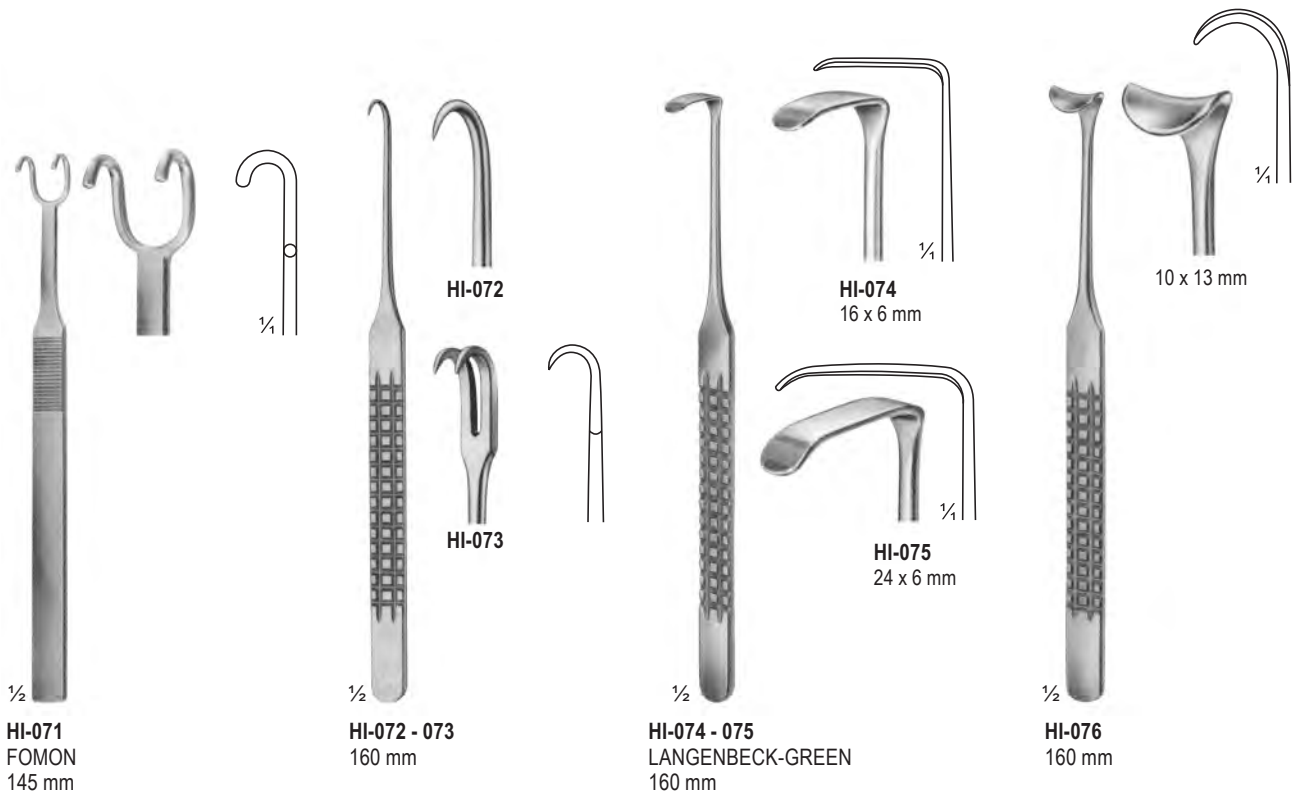
HI-024
CONVERSE
Blunt
120 mm

WOUND – TRACHEA RETRACTORS





RETRACTORS





1/2
HI-086
EMMETT
Fistula hook
220 mm



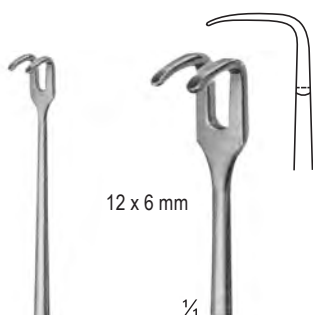
1/2
HI-087
SIMON
Fistula hook
220 mm



1/2
HI-088
SIMON
Fistula hook
220 mm



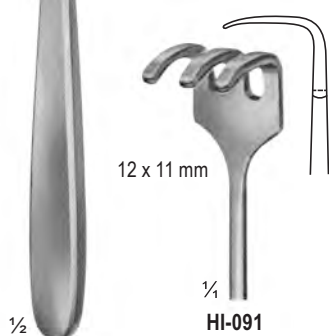
1/2
HI-089
LANGE
Fistula hook
230 mm



12 x 6 mm

1/4

HI-090

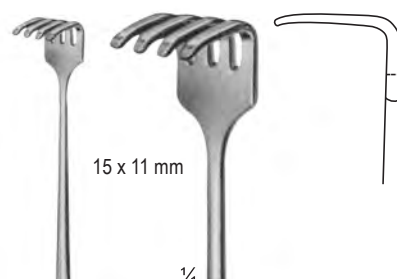


12 x 11 mm

1/4

HI-091

1/2
HI-090 - 091
Tendon hooks
175 mm

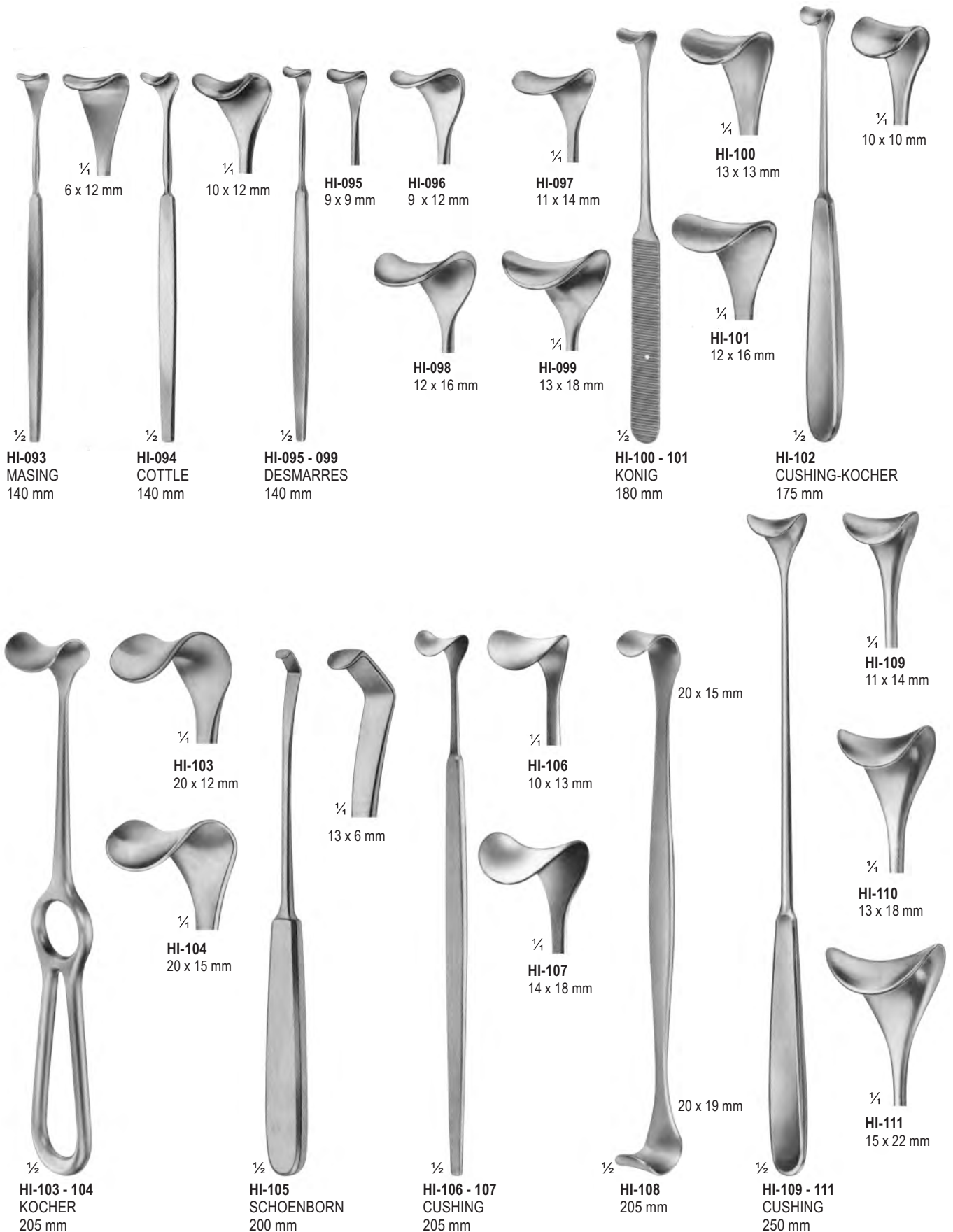


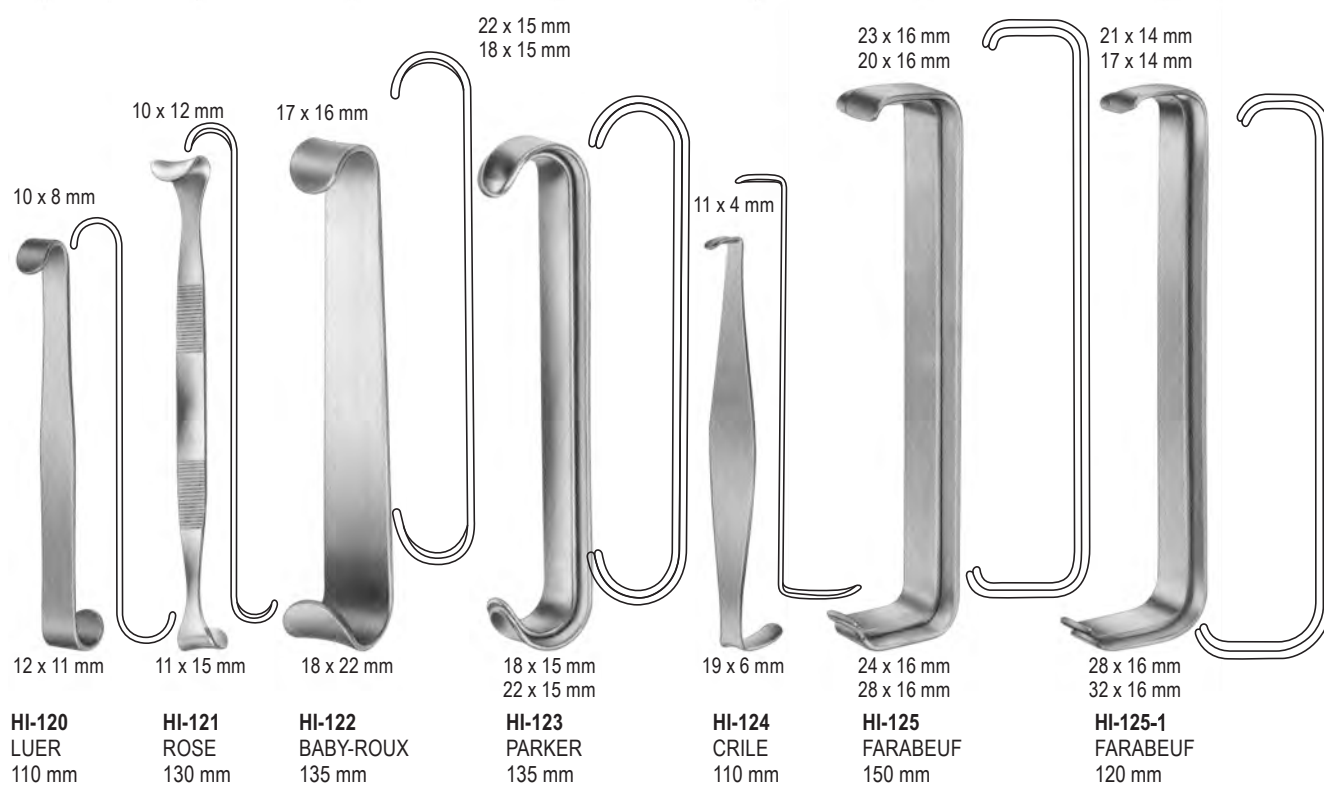
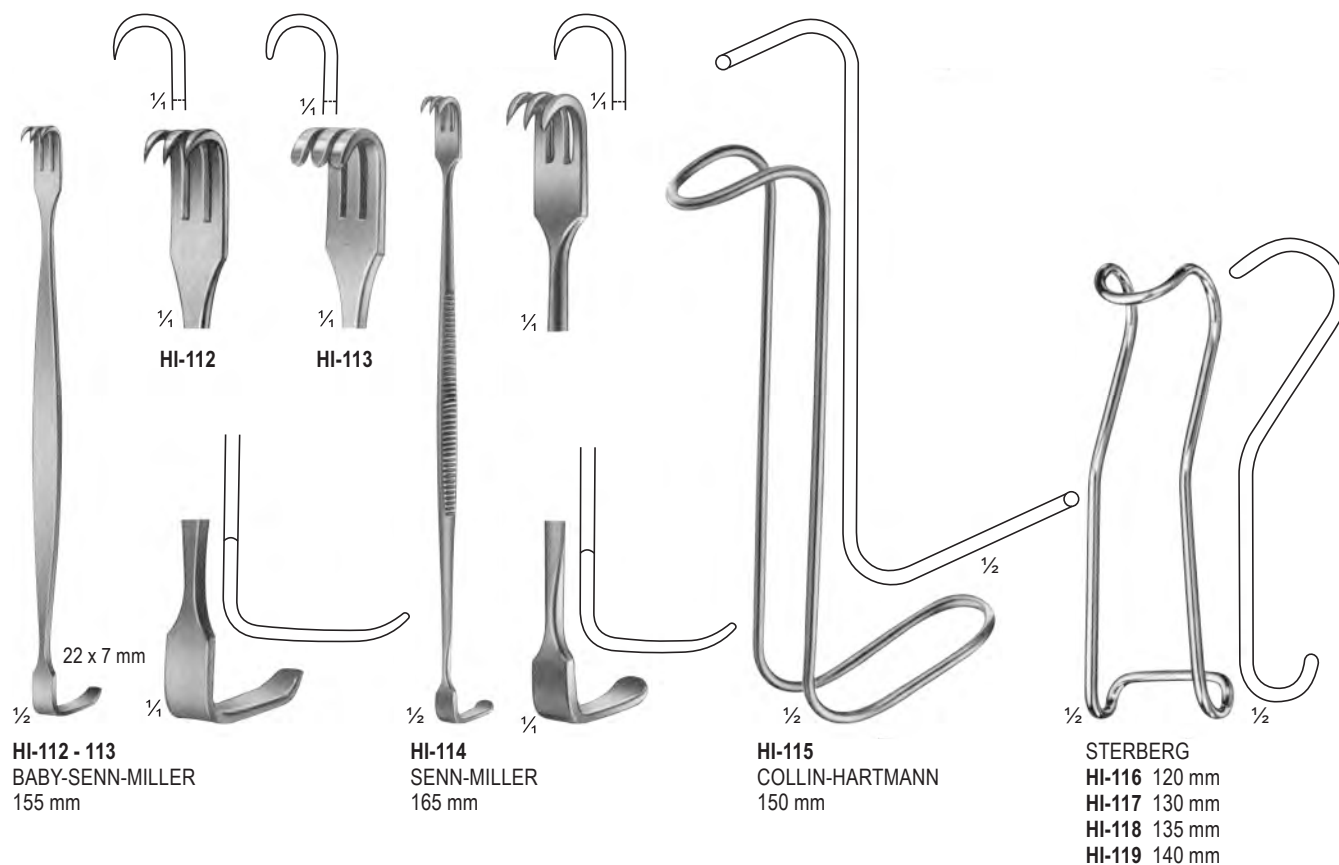
15 x 11 mm

1/4

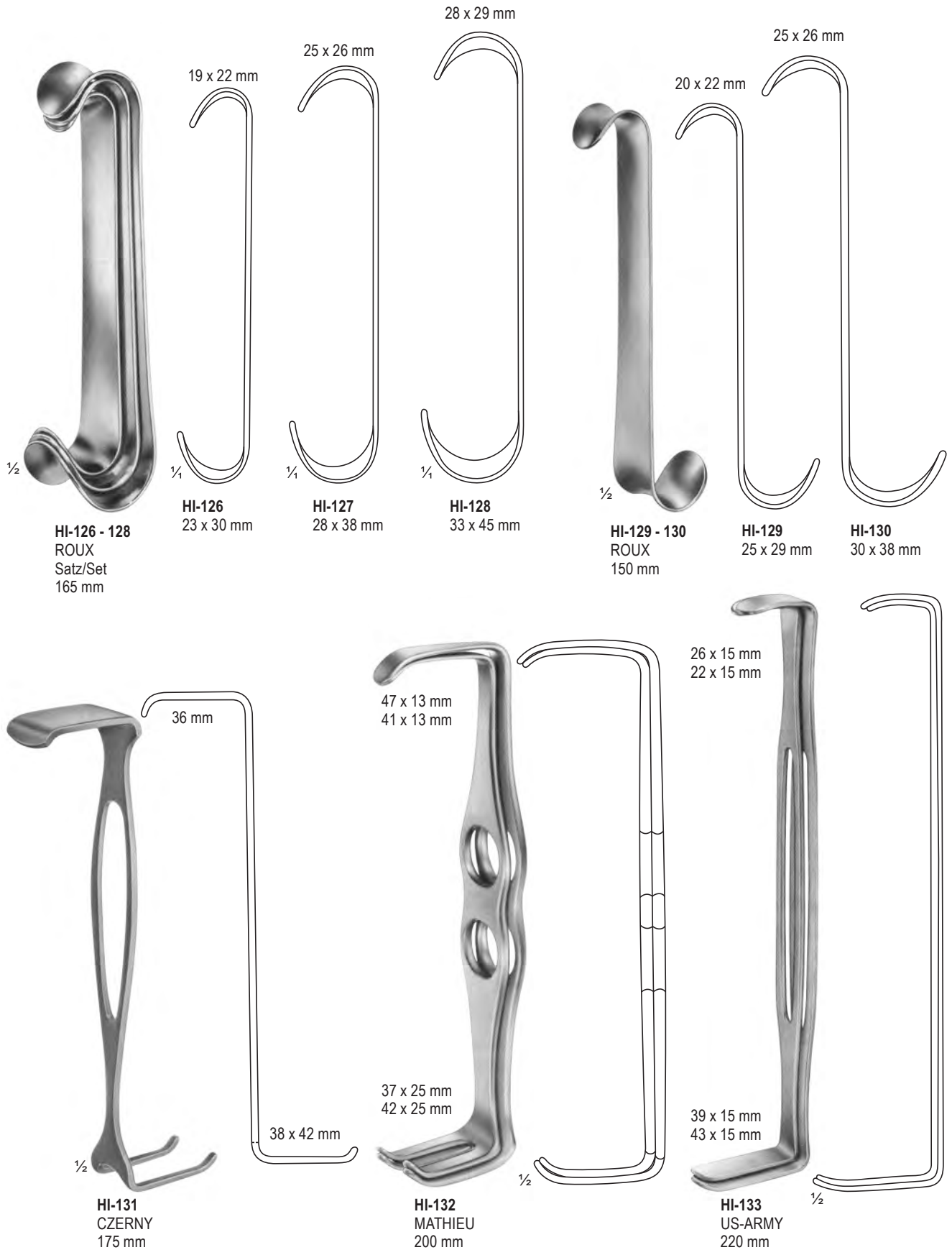
1/2
HI-092
KLAPP
Tendon hooks
175 mm

WOUND AND VEIN RETRACTORS





RETRACTORS





HI-134
KOCHER
Sharp
205 mm



HI-135
KOCHER
Sharp
220 mm



HI-136
KOCHER
Blunt
220 mm



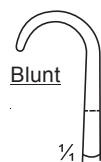
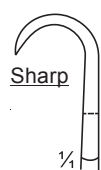
HI-137
VOLKMANN
Sharp
220 mm



HI-138
VOLKMANN
Sharp
220 mm



HI-139 - 146
VOLKMANN
225 mm



HI-139
9 x 8 mm



HI-140
9 x 13 mm



HI-141
9 x 19 mm



HI-142
9 x 29 mm



HI-143
8,5 x 8 mm



HI-144
8,5 x 13 mm

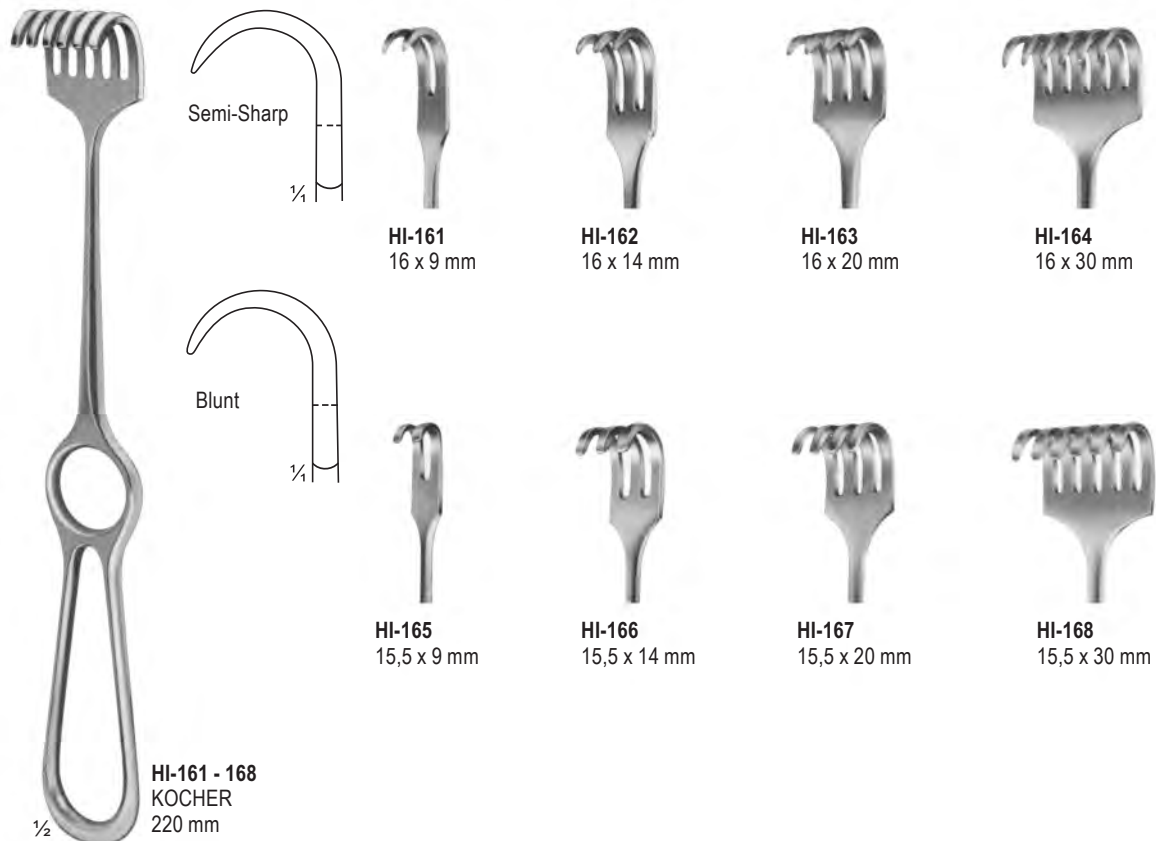
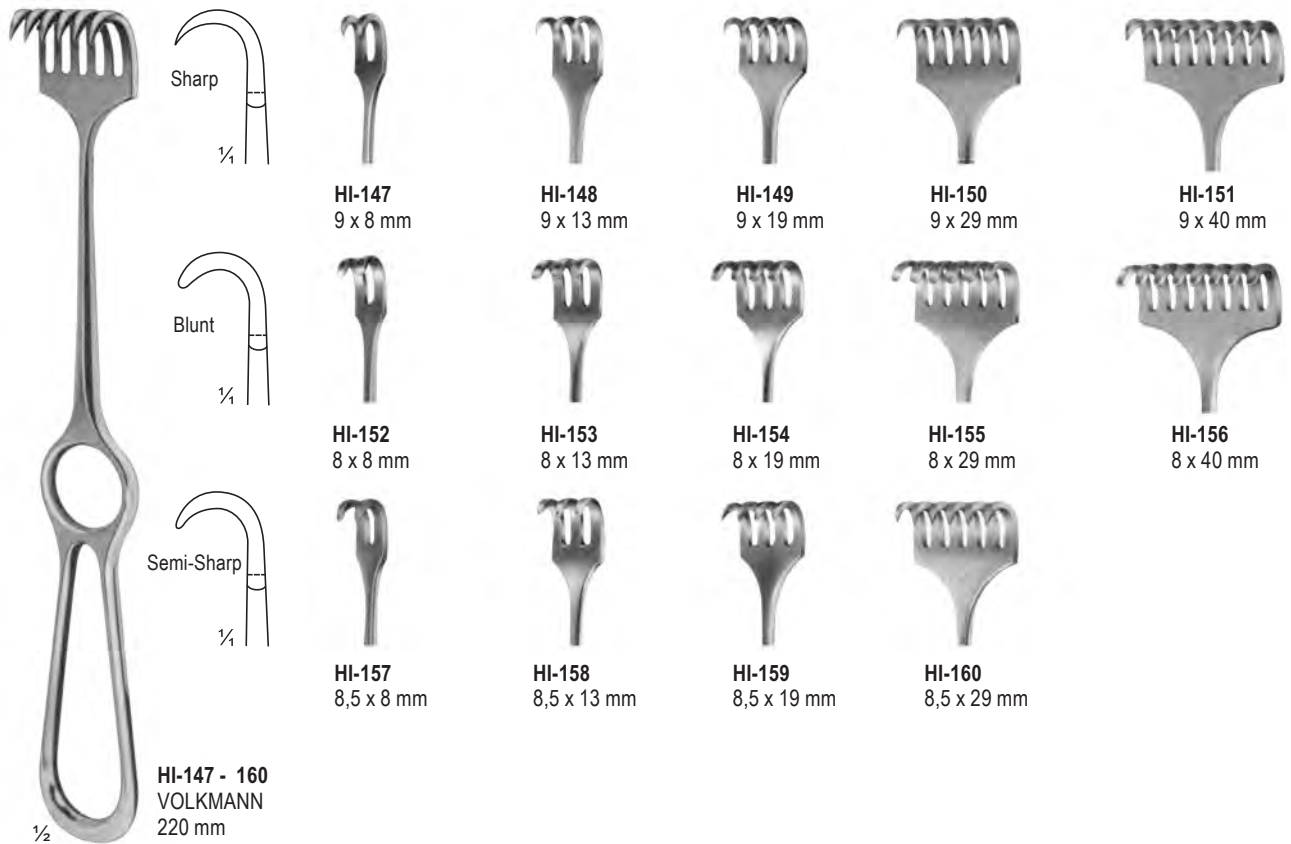


HI-145
8,5 x 19 mm



HI-146
8,5 x 29 mm

RETRACTORS





HI-168 - 170
KORTE
240 mm



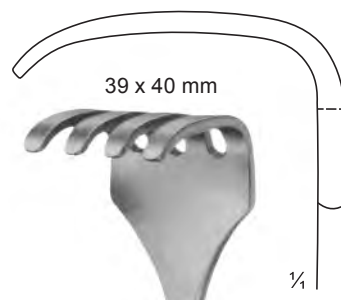
HI-169
8 Prongs, blunt



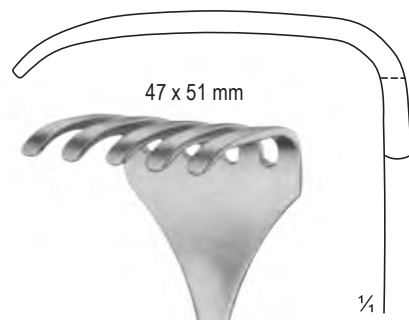
HI-170
8 Prongs, sharp



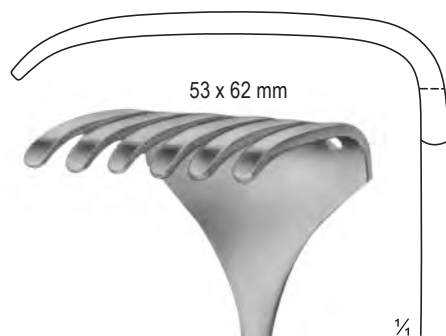
HI-171 - 174
ISRAEL
255 mm



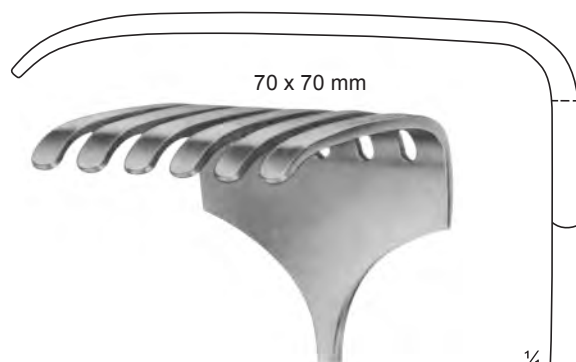
HI-171
4 Prongs, blunt



HI-172
5 Prongs, blunt



HI-173
6 Prongs, blunt



HI-174
6 Prongs, blunt



RETRACTORS



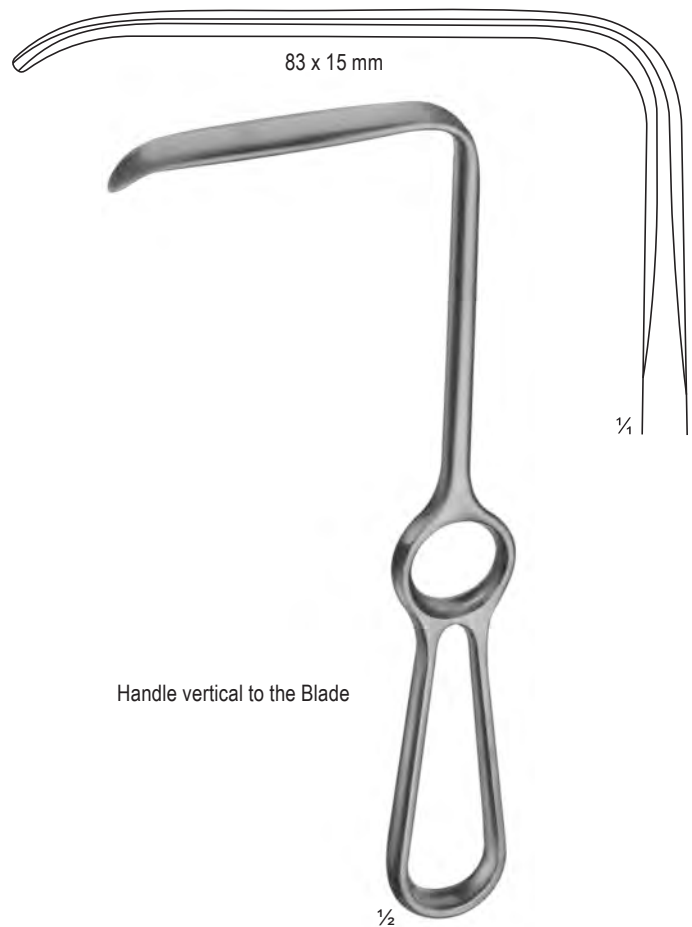
HI-175 - 180
LANGENBECK
210 mm

HI-175	28 x 10 mm
HI-176	28 x 14 mm
HI-177	33 x 14 mm
HI-178	28 x 16 mm
HI-179	40 x 10 mm
HI-180	40 x 13 mm



HI-181 - 187
KOCHER-LANGENBECK
215 mm

HI-181	25 x 6 mm
HI-182	35 x 8 mm
HI-183	35 x 11 mm
HI-184	35 x 15 mm
HI-185	41 x 11 mm
HI-186	55 x 11 mm
HI-187	70 x 14 mm



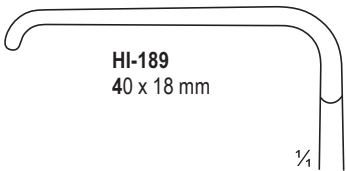
HI-188
LANGENBECK
215 mm



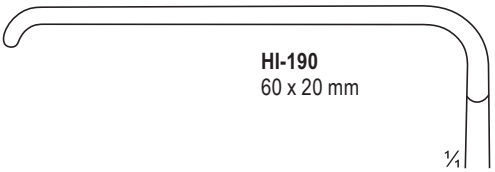
HI-189 - 193
KOCHER
230 mm



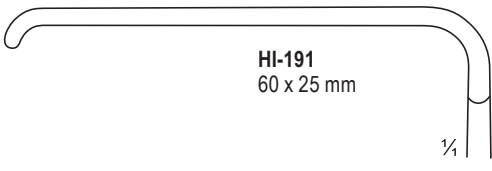
HI-194 - 196
SAUERBRUCH
225 mm



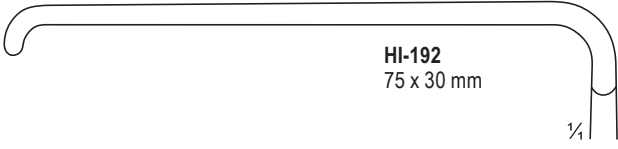
HI-189
40 x 18 mm



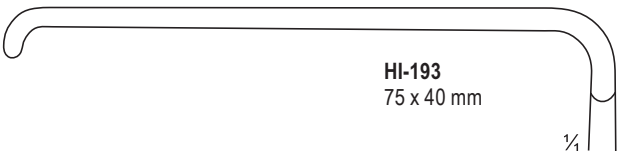
HI-190
60 x 20 mm



HI-191
60 x 25 mm



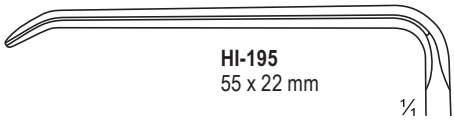
HI-192
75 x 30 mm



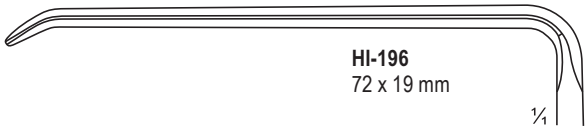
HI-193
75 x 40 mm



HI-194
46 x 16 mm

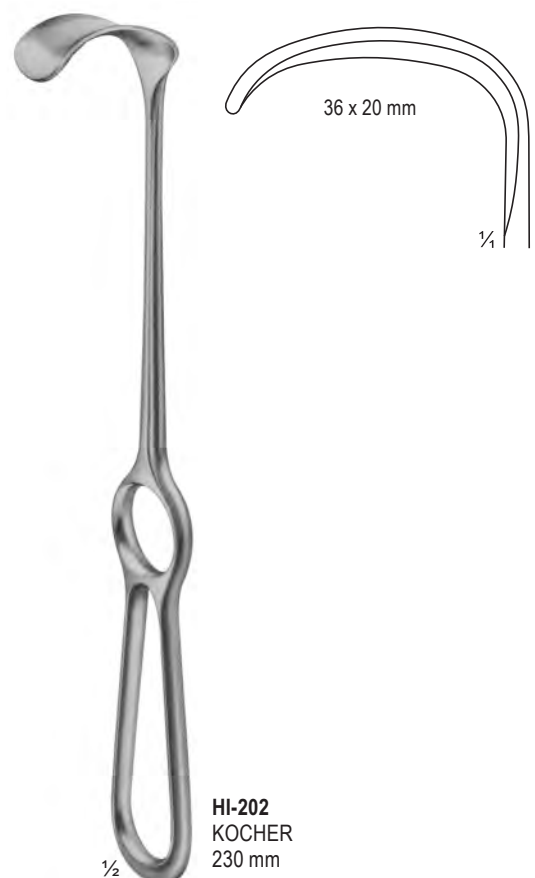
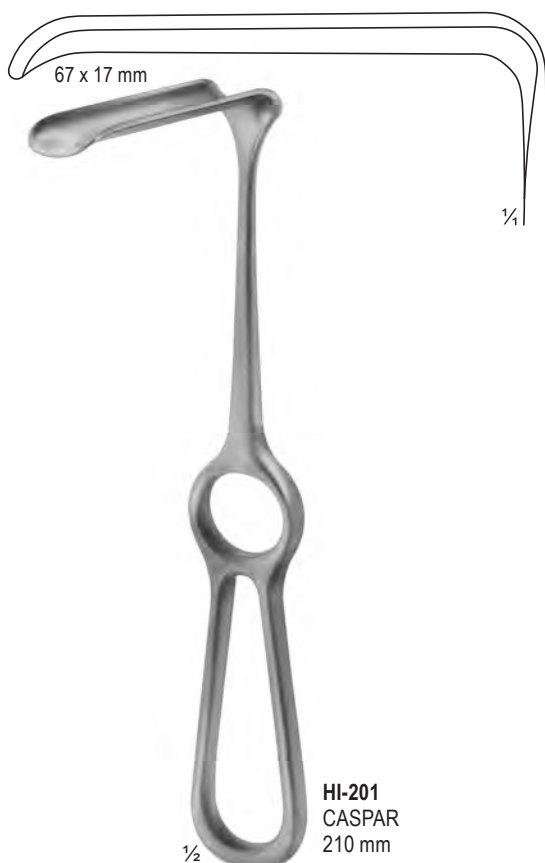
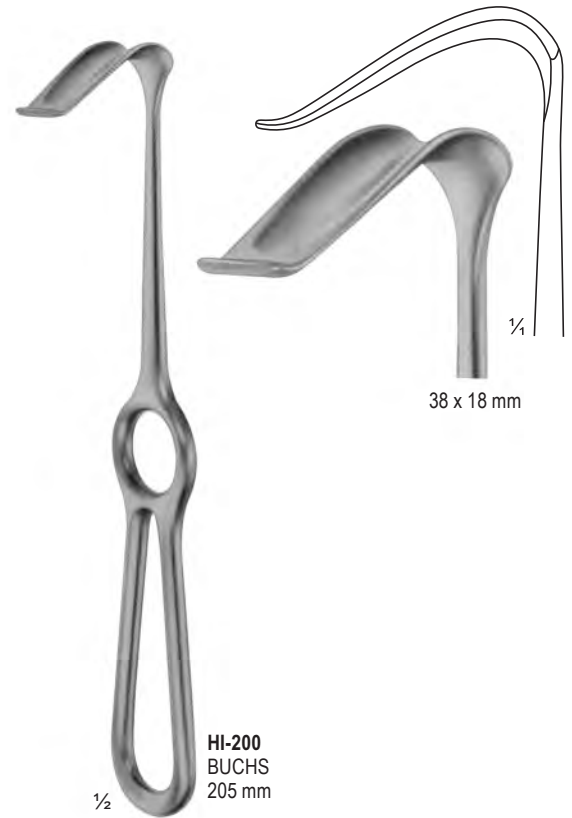
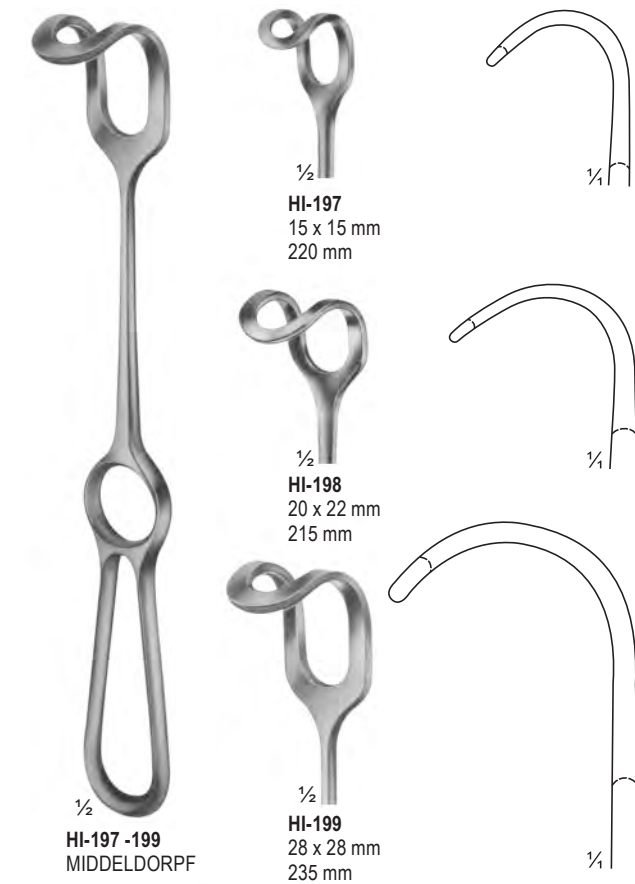


HI-195
55 x 22 mm



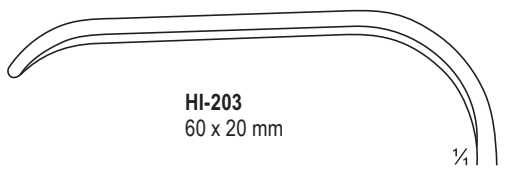
HI-196
72 x 19 mm

RETRACTORS



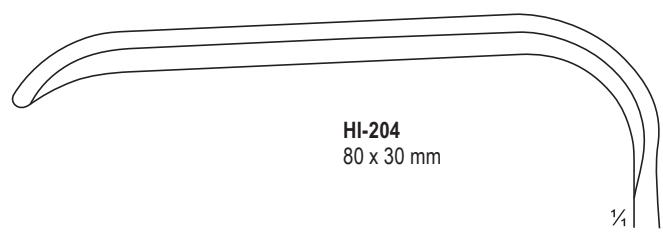


$\frac{1}{2}$
HI-203 - HI-208
HOSEL
250 mm



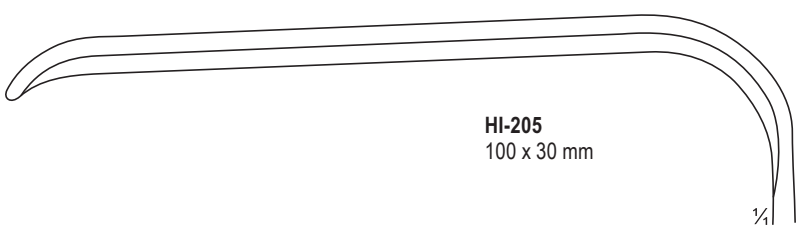
HI-203
60 x 20 mm

$\frac{1}{4}$



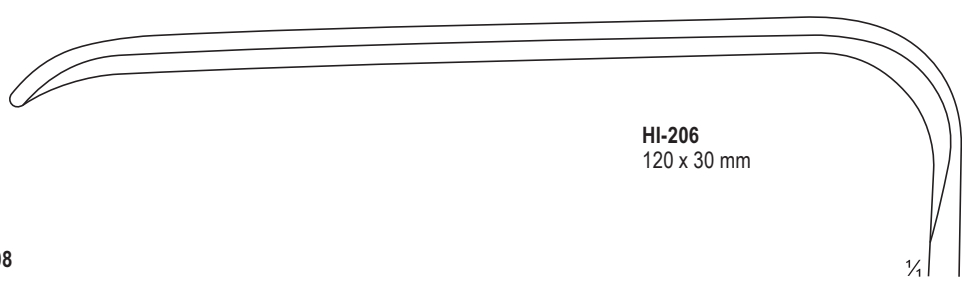
HI-204
80 x 30 mm

$\frac{1}{4}$



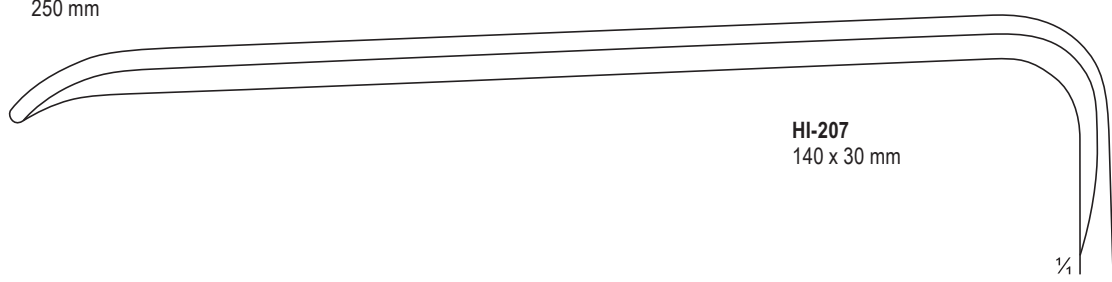
HI-205
100 x 30 mm

$\frac{1}{4}$



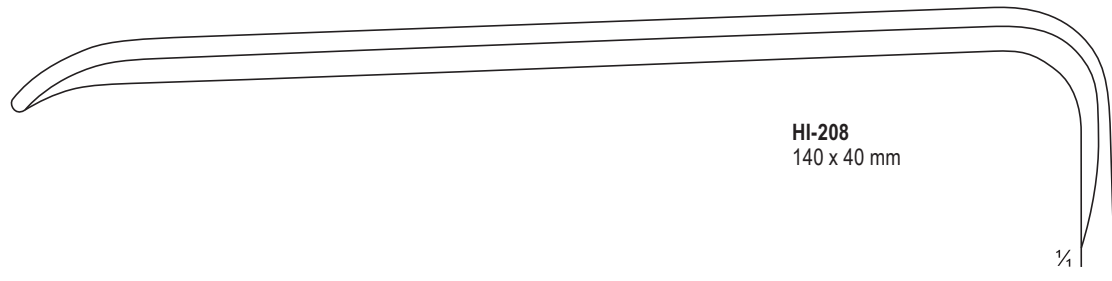
HI-206
120 x 30 mm

$\frac{1}{4}$



HI-207
140 x 30 mm

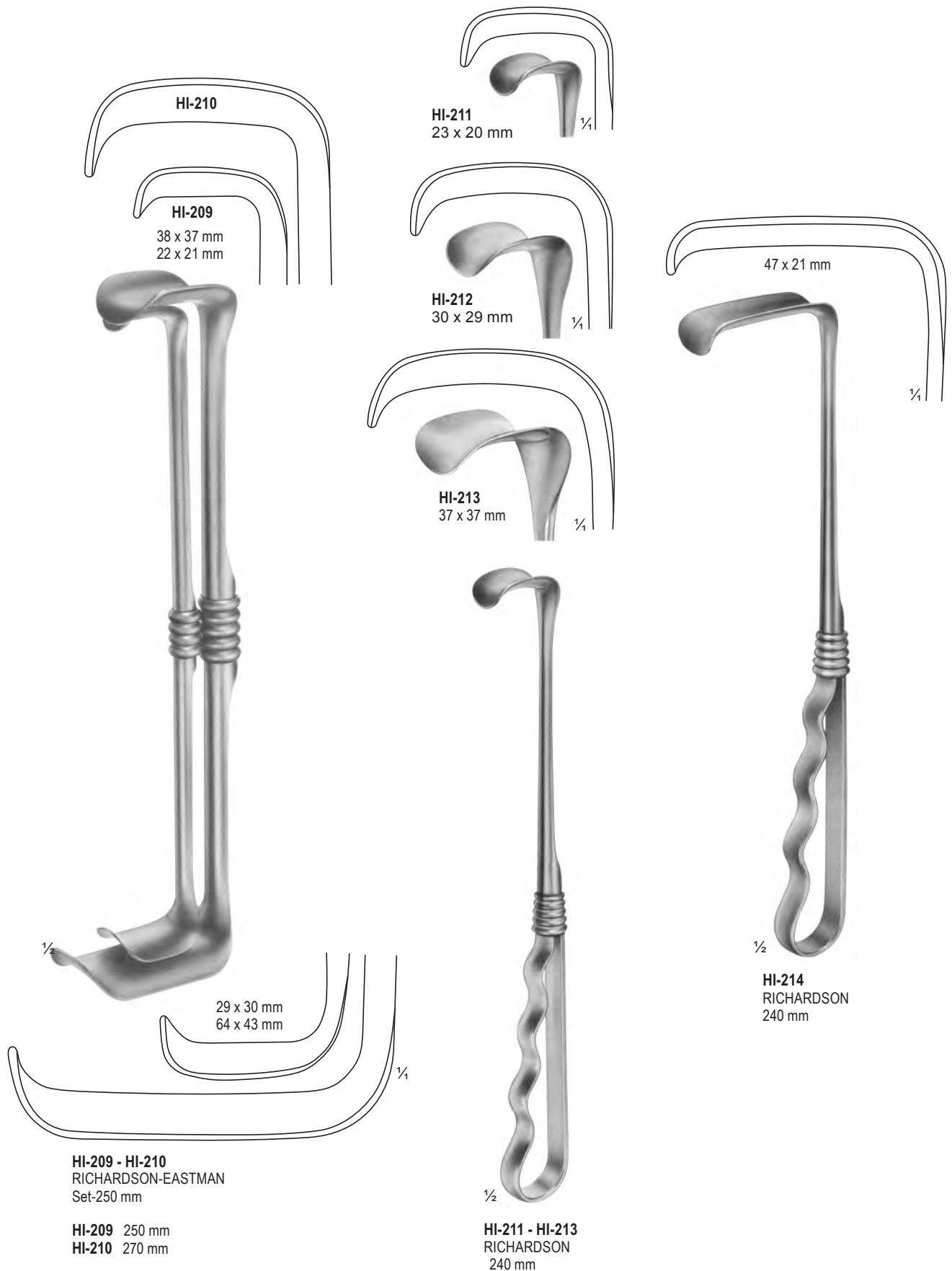
$\frac{1}{4}$

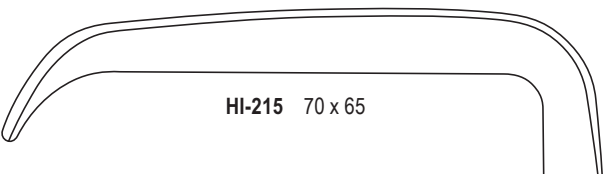


HI-208
140 x 40 mm

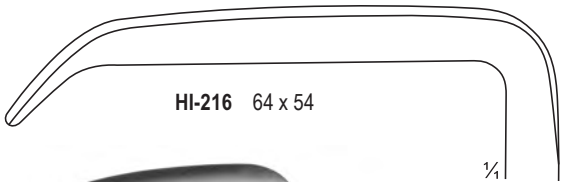
$\frac{1}{4}$

RETRACTORS

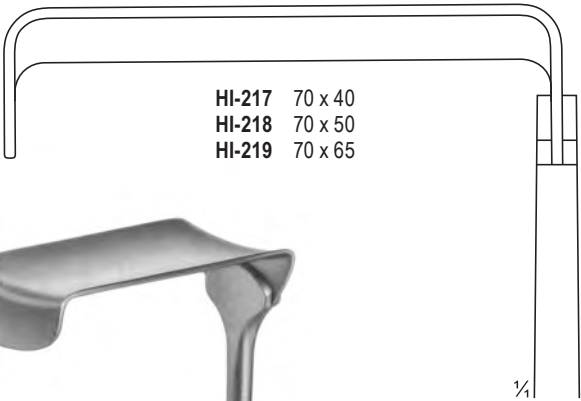




HI-215 70 x 65



HI-216 64 x 54



HI-217 70 x 40
HI-218 70 x 50
HI-219 70 x 65



1/2

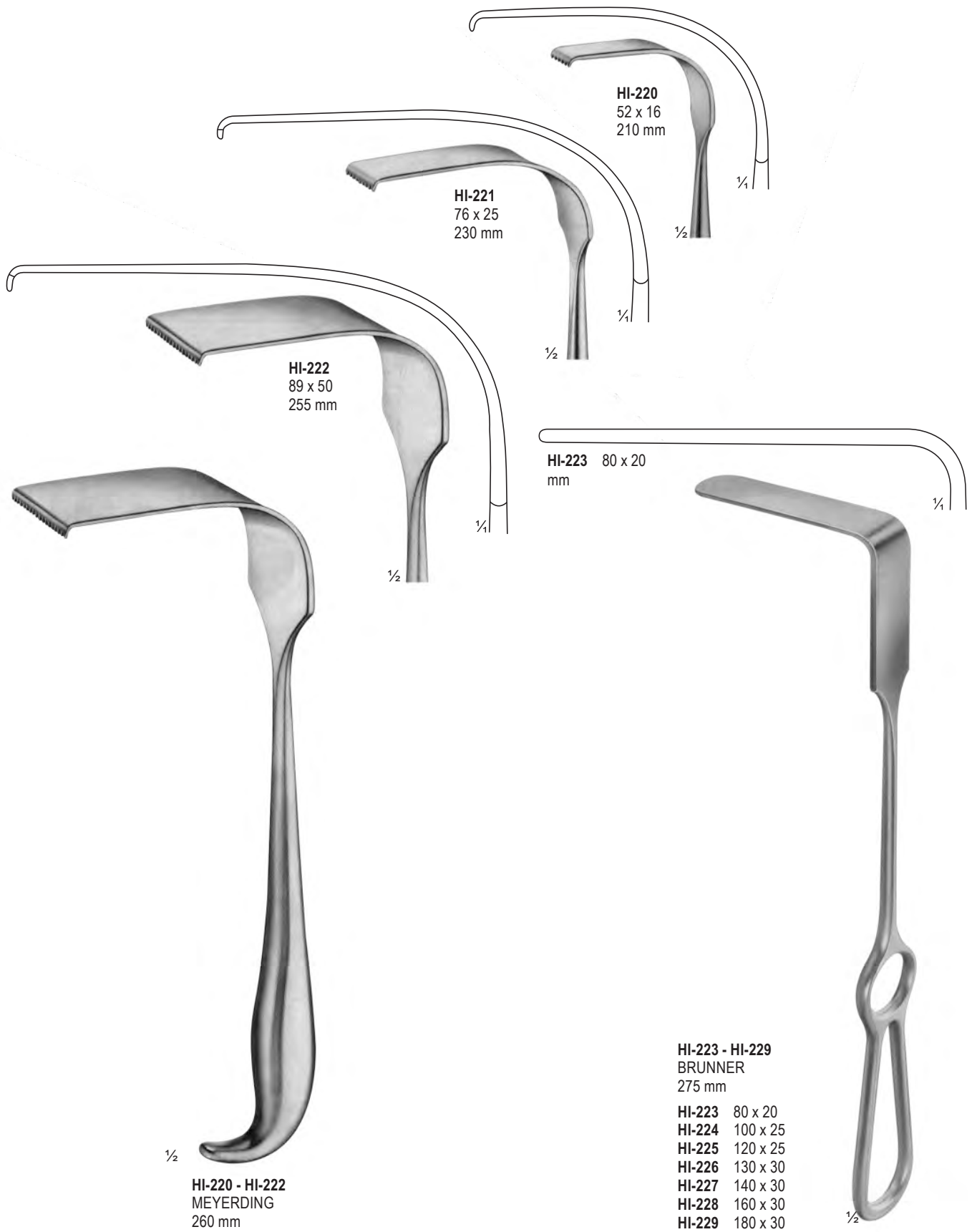
HI-215 - HI-216
KELLY
260 mm

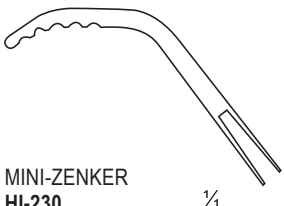


1/2

HI-217 - HI-219
MORRIS
245 mm

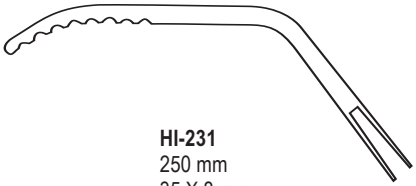
RETRACTORS FOR DEEP SURGERY



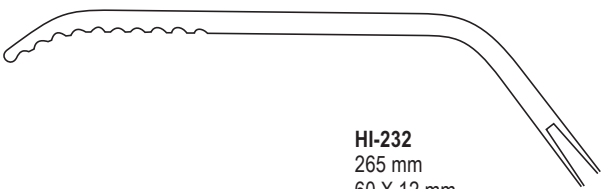


**MINI-ZENKER
HI-230**
180 mm
10 X 3 mm

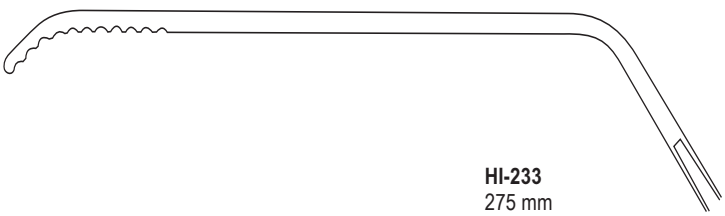
1/4



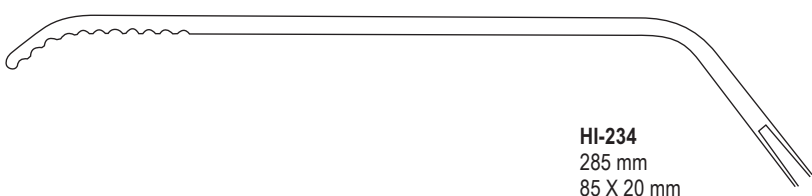
HI-231
250 mm
35 X 8 mm



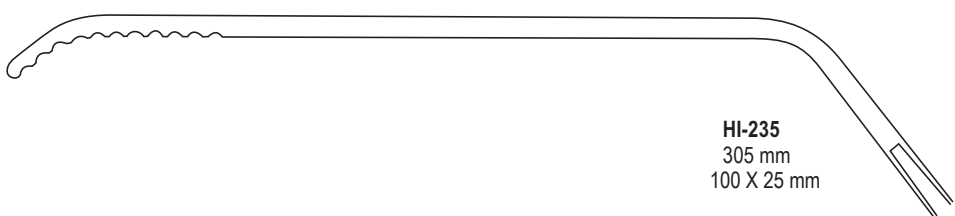
HI-232
265 mm
60 X 12 mm



HI-233
275 mm
75 X 12 mm



HI-234
285 mm
85 X 20 mm



HI-235
305 mm
100 X 25 mm



1/2

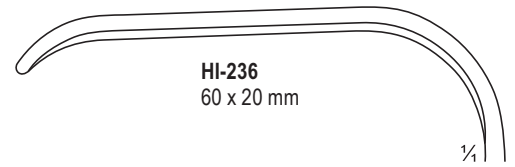
**ZENKER
HI-230 - HI-235**



RETRACTORS

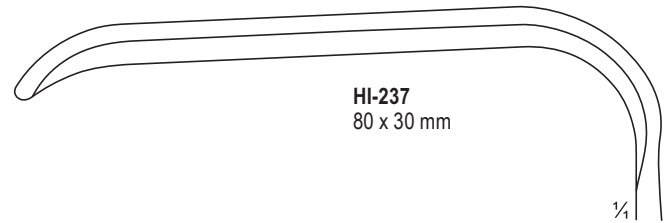


$\frac{1}{2}$
HOSEL
HI-236 - HI-241
250 mm



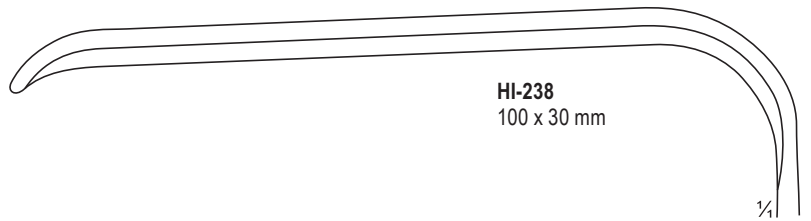
HI-236
60 x 20 mm

$\frac{1}{4}$



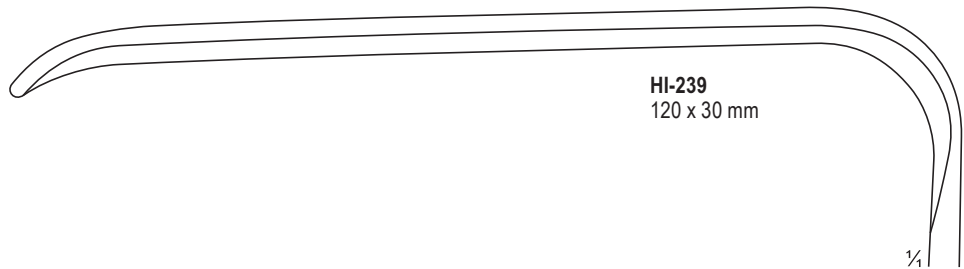
HI-237
80 x 30 mm

$\frac{1}{4}$



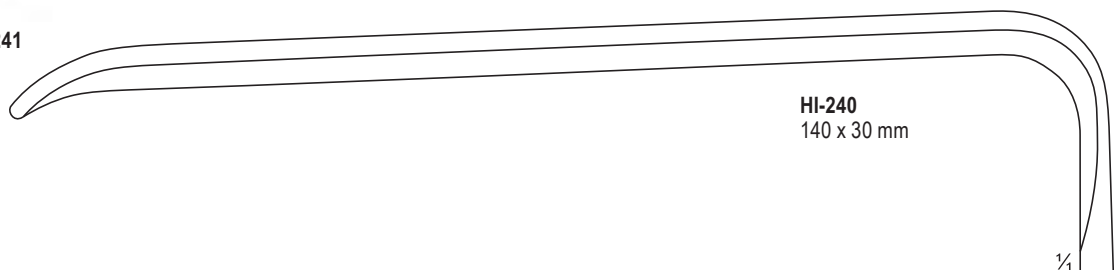
HI-238
100 x 30 mm

$\frac{1}{4}$



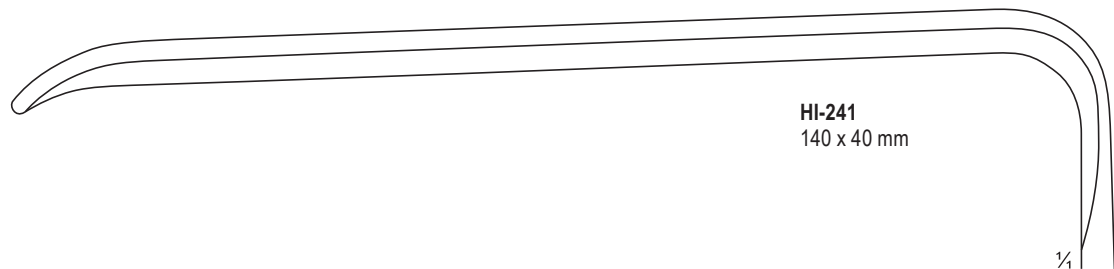
HI-239
120 x 30 mm

$\frac{1}{4}$



HI-240
140 x 30 mm

$\frac{1}{4}$



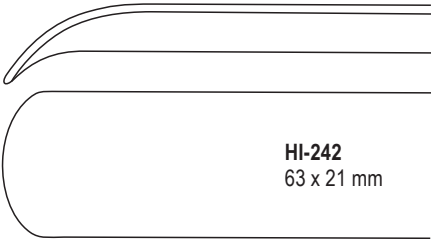
HI-241
140 x 40 mm

$\frac{1}{4}$

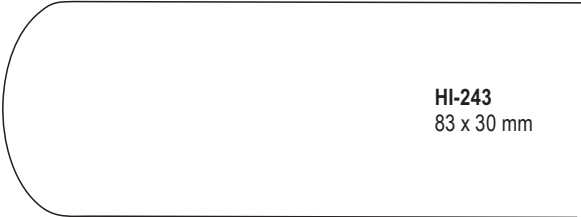


HÖSEL
HI-242 - HI-247
260 mm

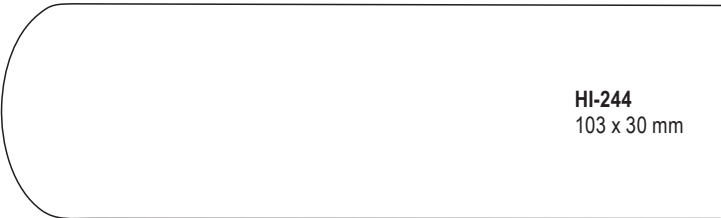
1/2



HI-242
63 x 21 mm



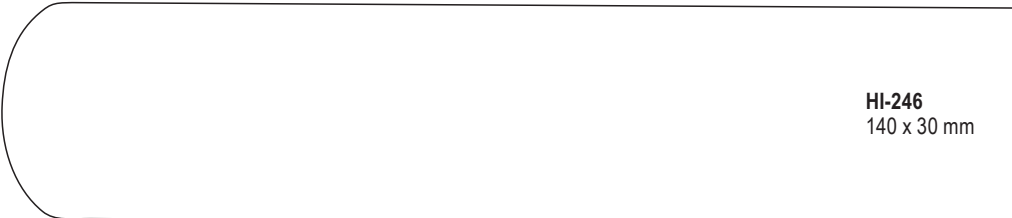
HI-243
83 x 30 mm



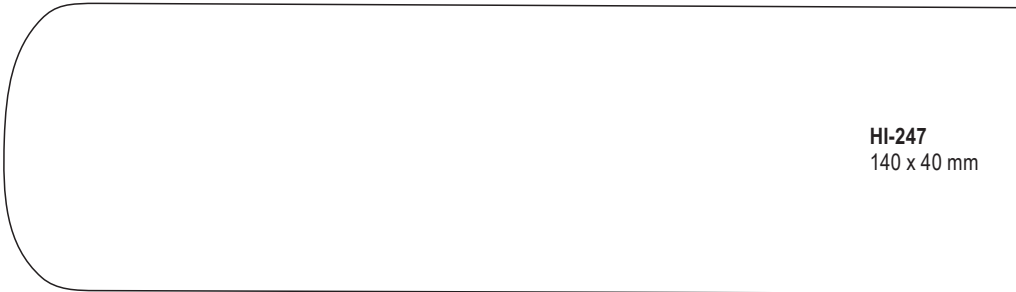
HI-244
103 x 30 mm



HI-245
120 x 30 mm



HI-246
140 x 30 mm



HI-247
140 x 40 mm

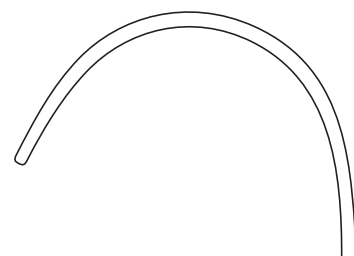


RETRACTORS



¼

HI-248
270 mm
43 X 45 mm

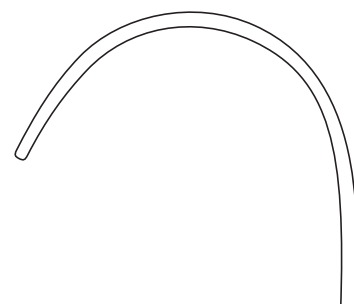


½

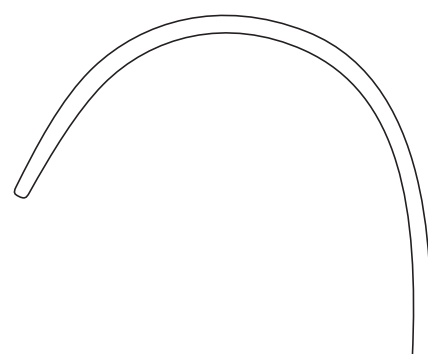
MIDDELDORPF
HI-248 - HI-250

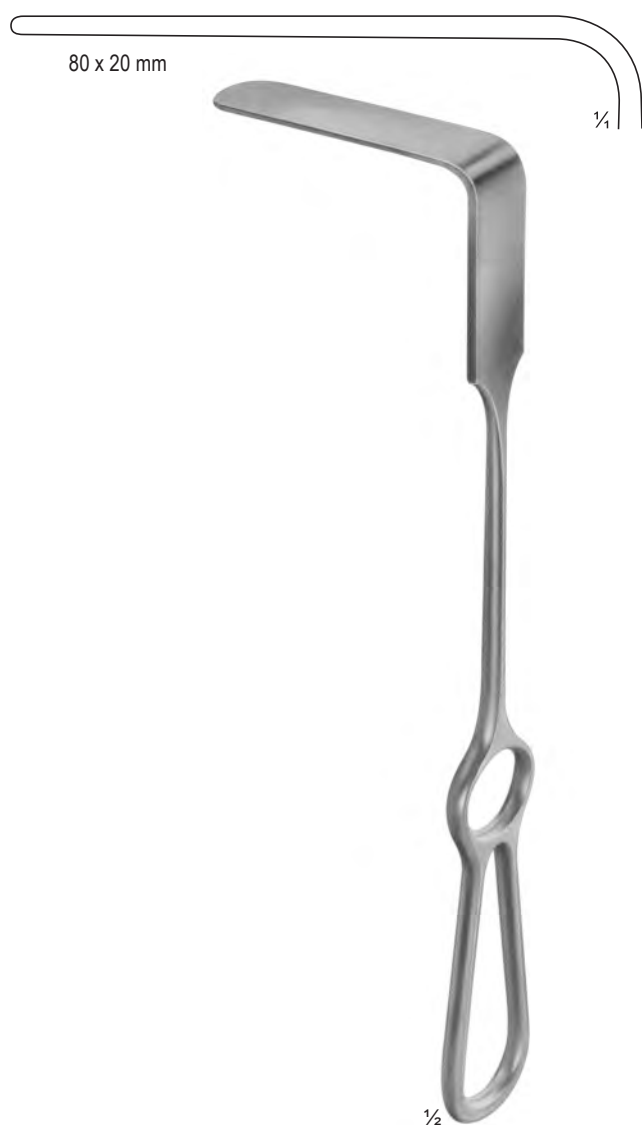


HI-249
270 mm
52 X 50 mm



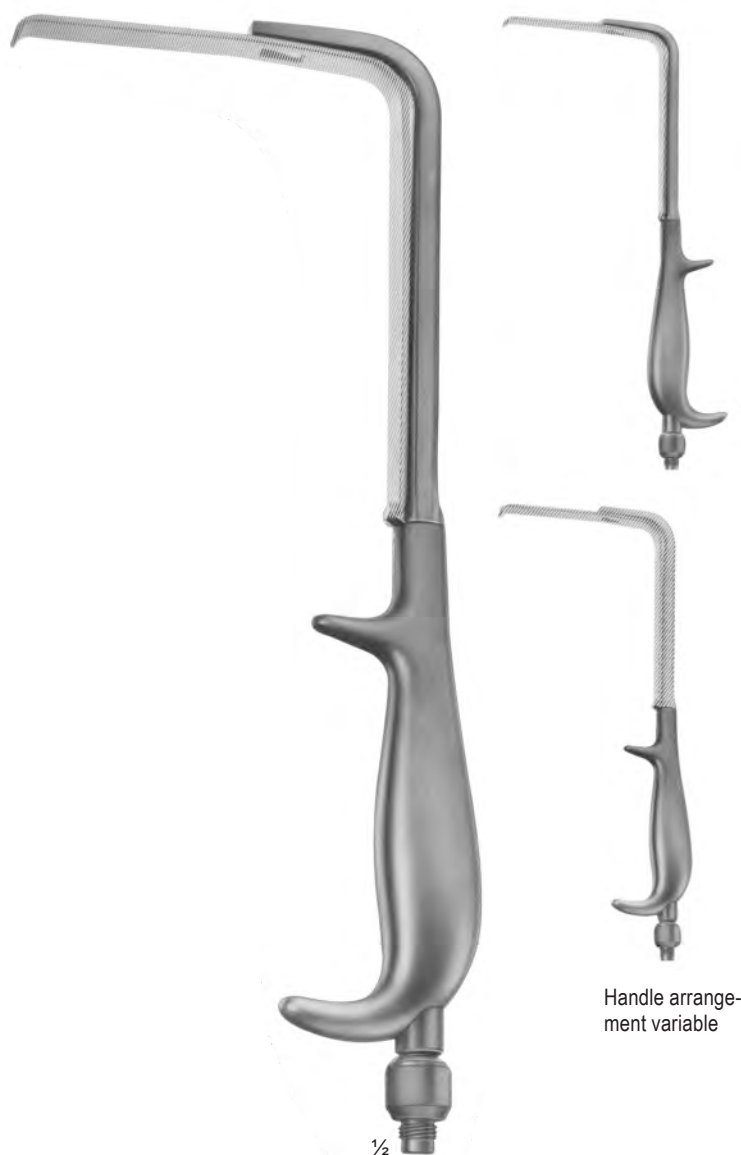
HI-250
280 mm
52 X 70 mm





BRUNNER
HI-251 - HI-257
275 mm

HI-251	80 x 20
HI-252	100 x 25
HI-253	120 x 25
HI-254	130 x 30
HI-255	140 x 30
HI-256	160 x 30
HI-257	180 x 30



HI-258
Handle with cold
light carrier for
retractor blades.
280 mm

RETRACTORS





Fig. 3
DEAVER
HI-262
300 mm



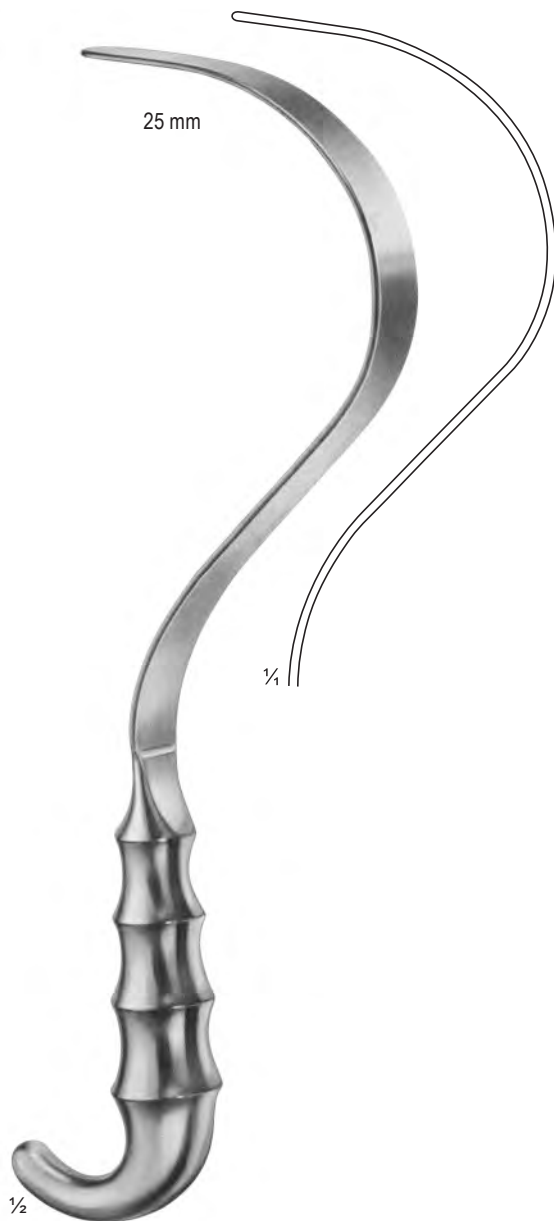
Fig. 4
DEAVER
HI-263
310 mm



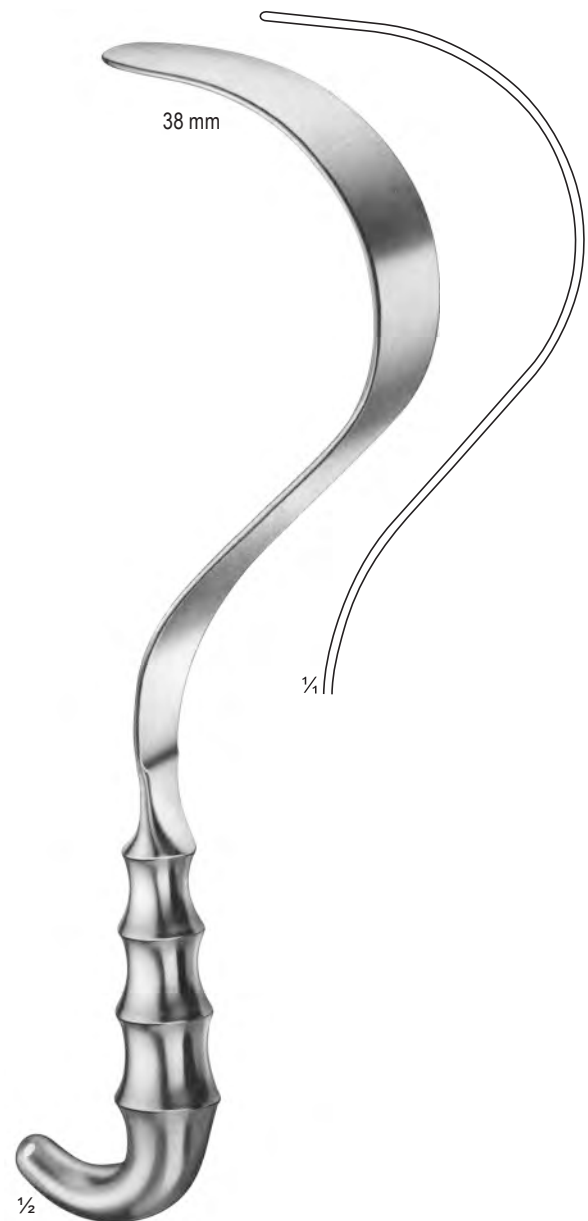
Fig. 5
DEAVER
HI-264
320 mm



RETRACTORS



HI-265
DEAVER
310 mm
Fig. 1



HI-266
DEAVER
310 mm
Fig. 3



COOLEY
HI-267
250 mm
Right
48 X 48 mm



COOLEY
HI-268
250 mm
Right, Serrated
48 X 48 mm



COOLEY
HI-269
275 mm
Left
30 X 48 mm

ABDOMINAL RETRACTORS



ROCHARD
HI-270 - HI-274
 310 mm
HI-270 48 x 90 mm
HI-271 48 x 105 mm
HI-272 48 x 120 mm
HI-273 48 x 135 mm
HI-274 48 x 155 mm



HI-275



DOYEN
HI-276 - HI-279
 280 mm
HI-276 48 x 90 mm
HI-277 48 x 105 mm
HI-278 48 x 120 mm
HI-279 48 x 135 mm



DOYEN-CHILD
HI-280
 Fixation device
 220 mm



HI-281
 Chain with
 weight (747 / 645g)
 790 mm



SENN-GREEN
HI-282 - HI-283
160 mm



Fig. 1
HI-282
20 X 6 mm



Fig. 2
HI-283
10 X 6 mm



RAGNELL-DAVIS
HI-284
150 mm

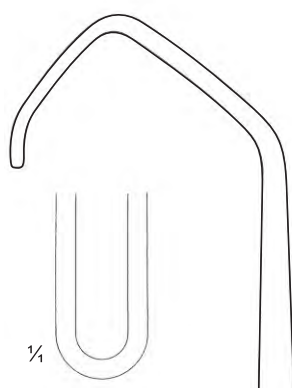


$\frac{1}{4}$
8 X 4.5 mm

15 X 5.5 mm



CUSHING
HI-285
205 mm



$\frac{1}{4}$

19 x 15 mm
19 x 15 mm

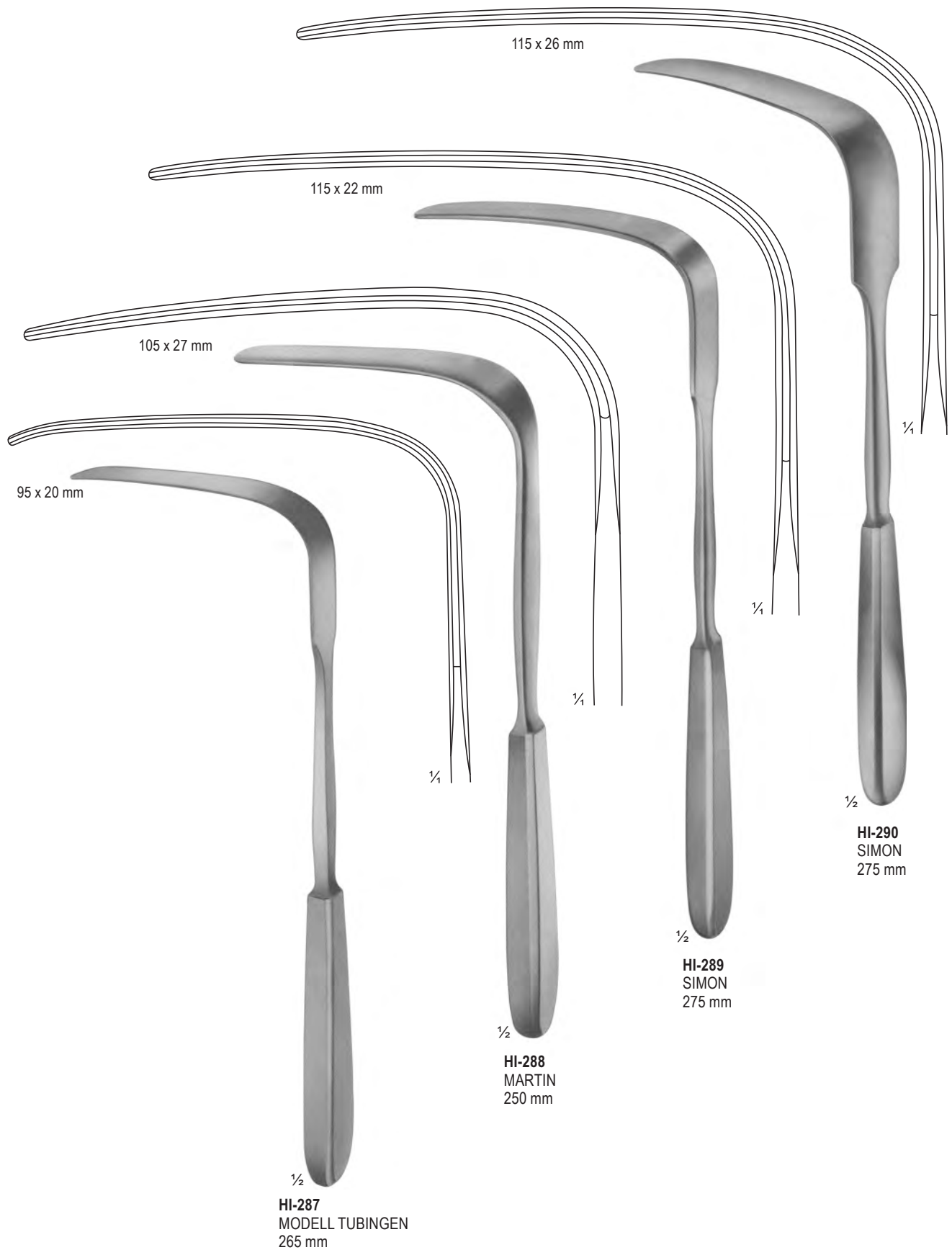


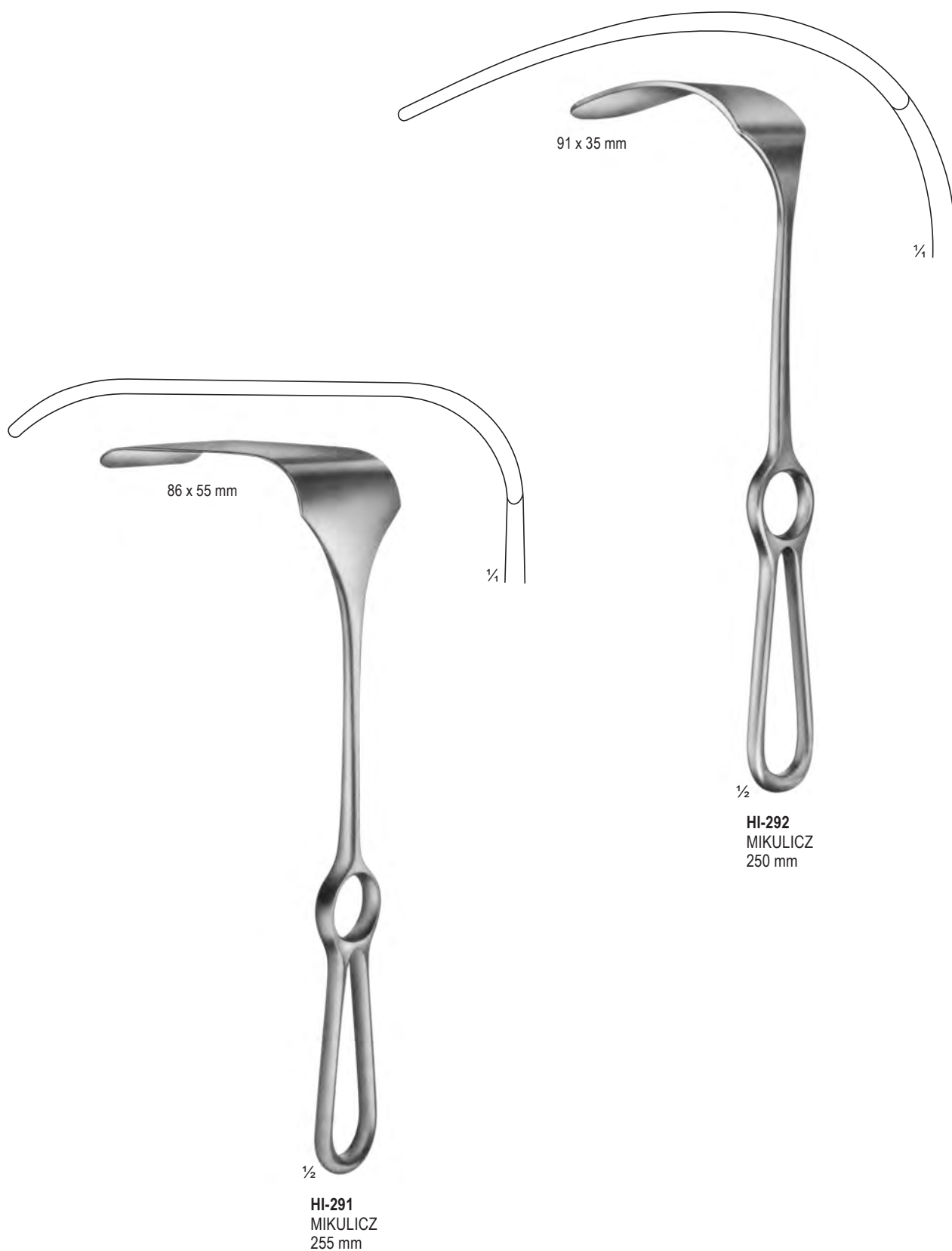
22 x 15 mm
22 x 15 mm
PARKER
HI-286
140 mm





RETRACTORS FOR DEEP SURGERY





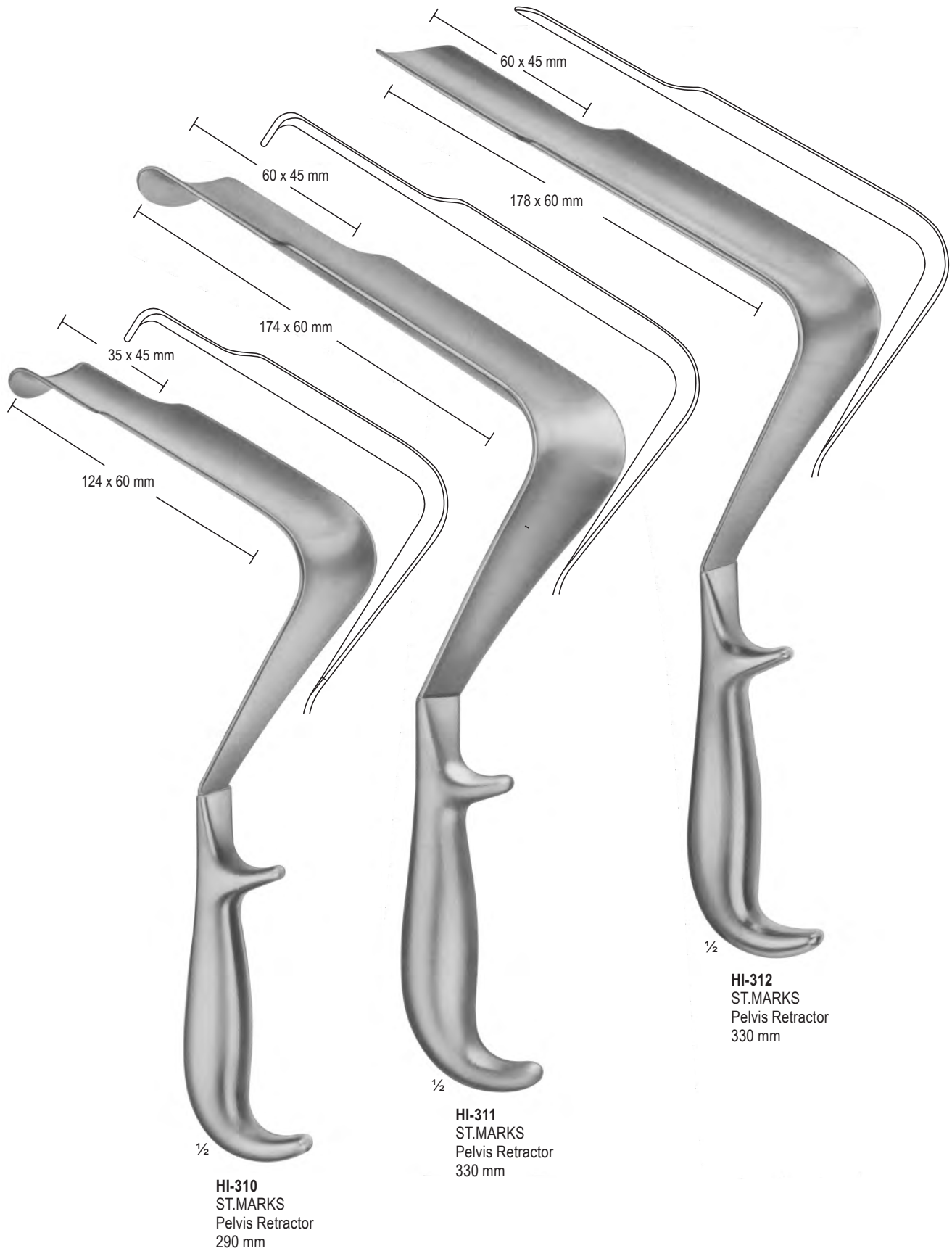
ABDOMINAL RETRACTORS



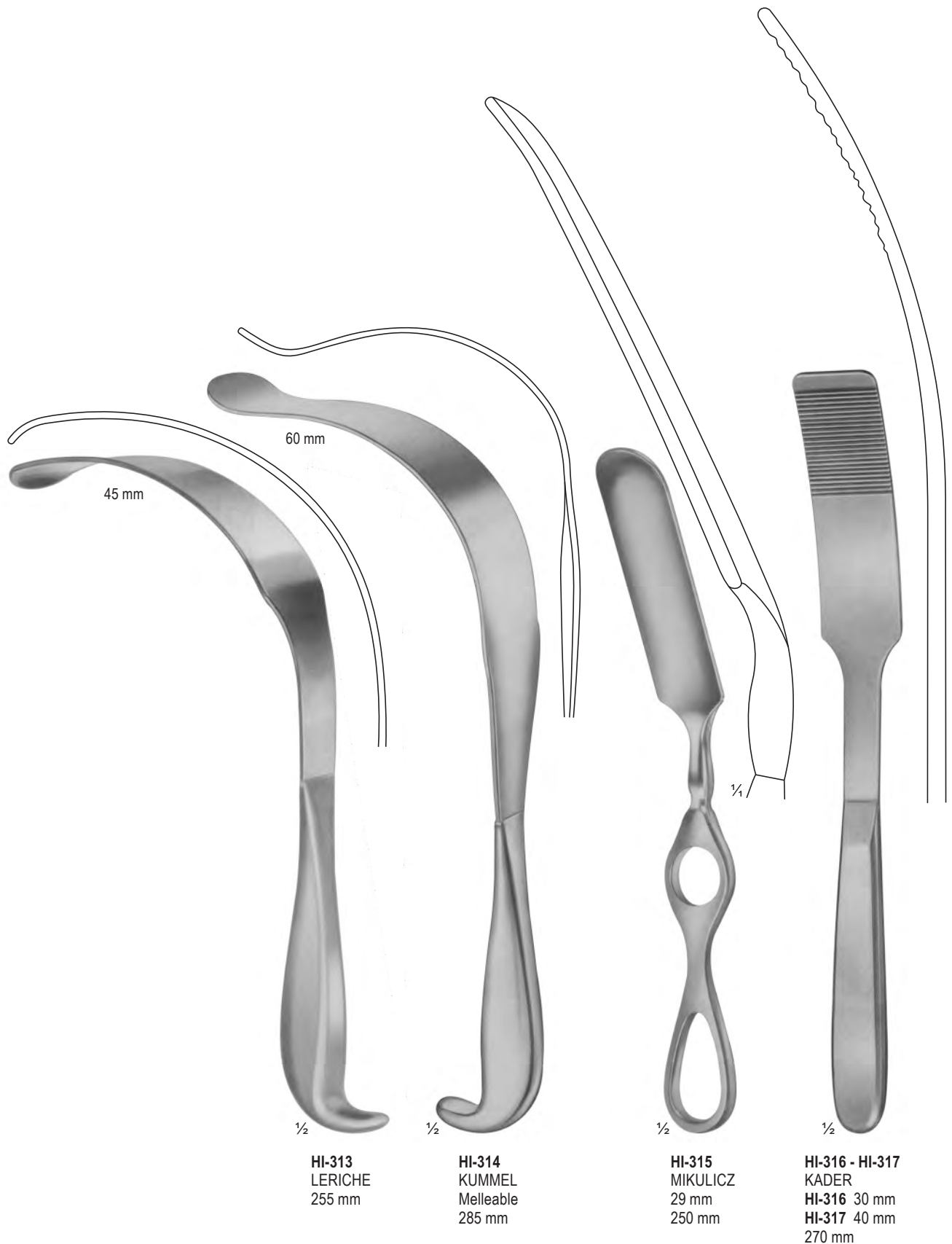
Width of Blades
 35 mm, 45 mm, 60 mm

Length of Blades
 62 mm
 92 mm
 122 mm
 160 mm

HI-293 , HI-297 , HI-301
HI-294 , HI-298 , HI-302
HI-295 , HI-299 , HI-303
HI-296 , HI-300



ABDOMINAL- AND INTESTINAL SPATULAS





HI-318
REVERDIN
285 mm



HI-319
HABERER
Malleable
305 mm



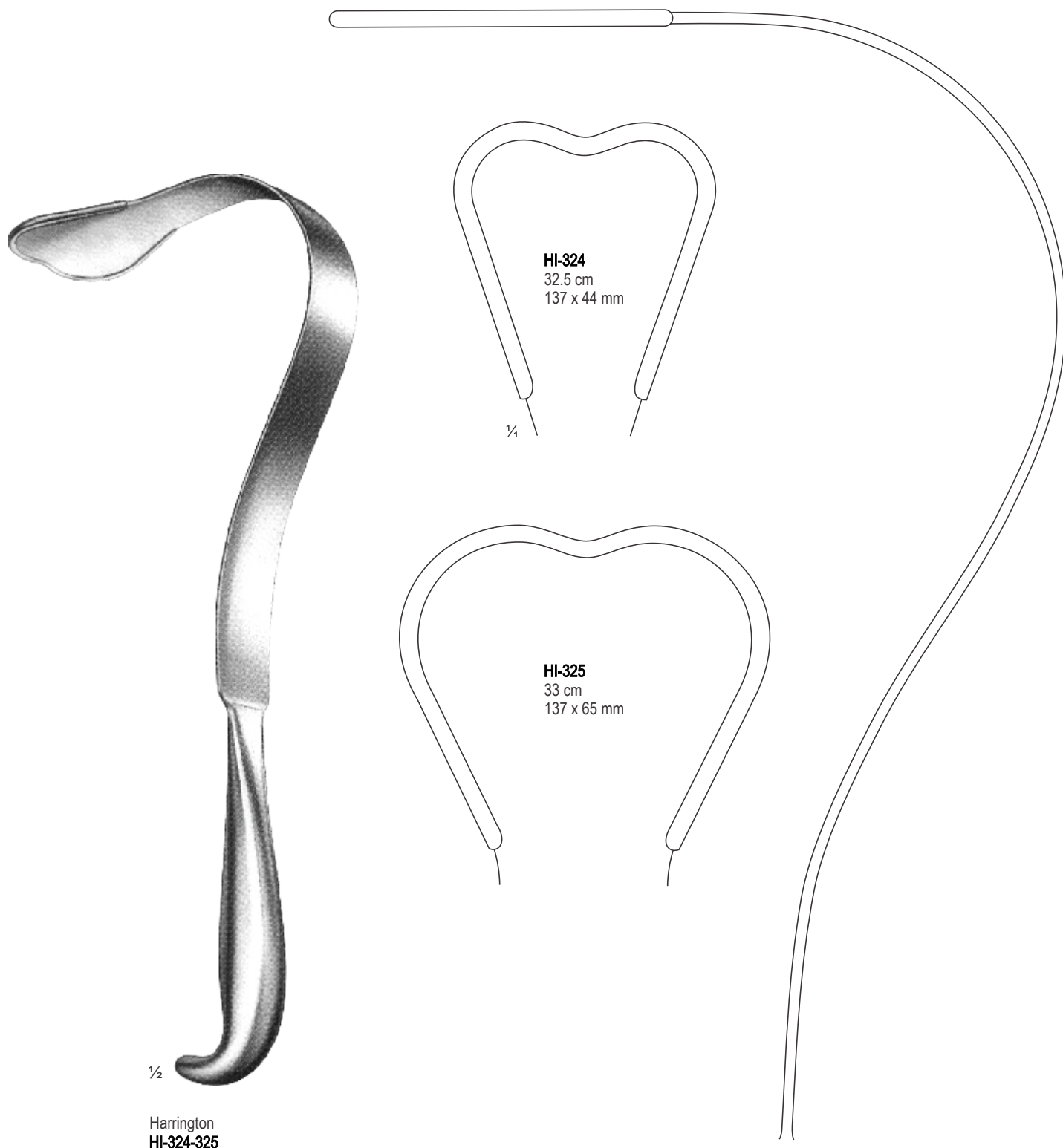
HI-320 - 322
HI-320 30 mm
HI-321 40 mm
HI-322 50 mm
Malleable
330 mm



HI-323
TUFFIER
Malleable
200 mm



RETRACTORS





Deaver
HI-326
18 cm
19 mm

Deaver
HI-327
21.5 cm
22 mm

Deaver
HI-328
21.5 cm
25 mm

Deaver
HI-329
30.5 cm
25 mm

Deaver
HI-330
33.5 cm
25 mm



Page 191–215

- Self-Retaining Retractors
- Abdominal Retractors



IJ-001
WEITLANER
Sharp
110 mm



IJ-002
WEITLANER
Semi-Sharp
110 mm



IJ-003
WEITLANER
Blunt
110 mm



IJ-004
WEITLANER
Sharp
130 mm

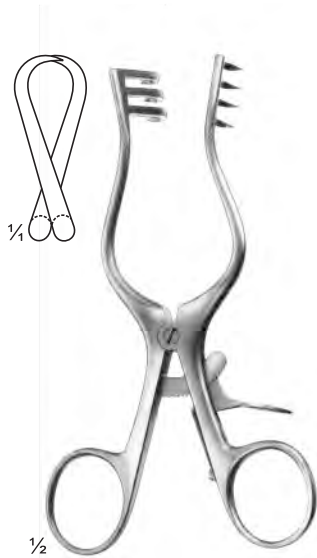


IJ-005
WEITLANER
Semi-Sharp
130 mm

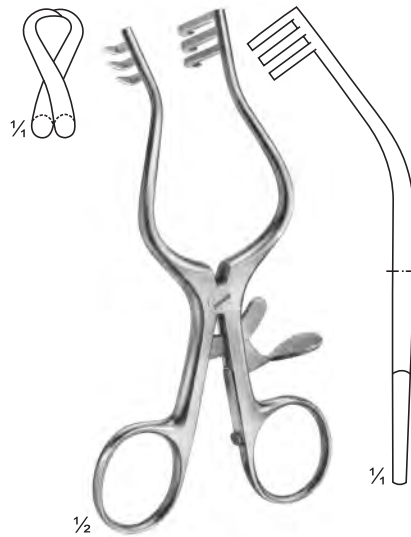


IJ-006
WEITLANER
Blunt
130 mm

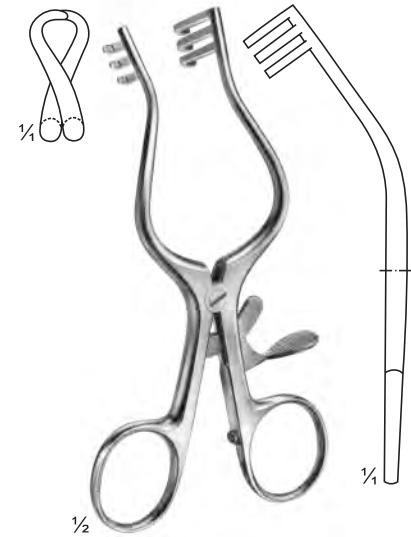
SELF-RETAINING RETRACTORS



IJ-007
WEITLANER
Sharp
130 mm



IJ-008
WULLSTEIN
Sharp
130 mm



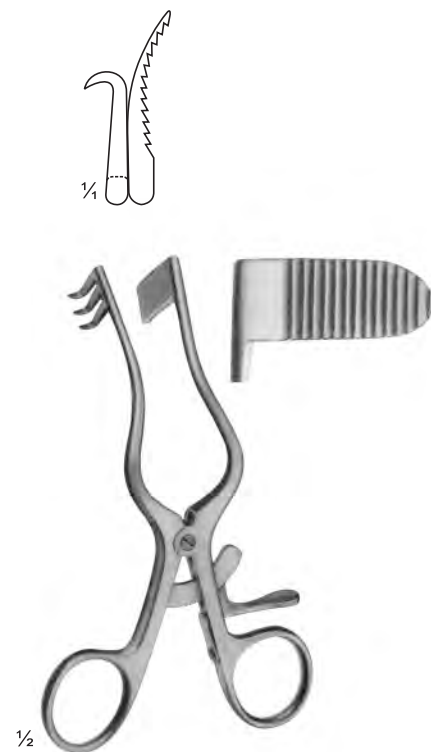
IJ-009
WULLSTEIN
Blunt
130 mm



IJ-010
WEITLANER
Sharp
165 mm



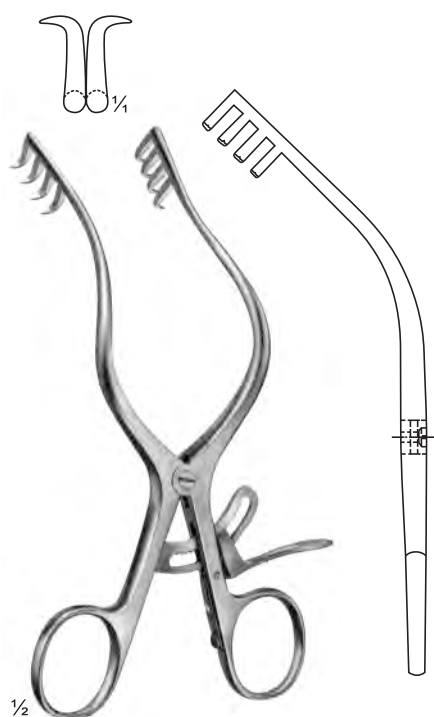
IJ-011
PLESTER
Blunt
110 mm



IJ-012
PERKINS
130 mm



IJ-013
ADSON-BABY
Blunt
140 mm

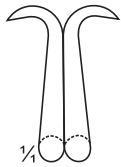


IJ-014
MOLLISON
Sharp
155 mm



IJ-015
MAYO-ADAMS
165 mm

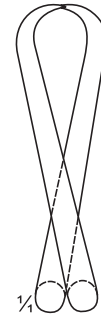
SELF-RETAINING LAMINECTOMY RETRACTORS



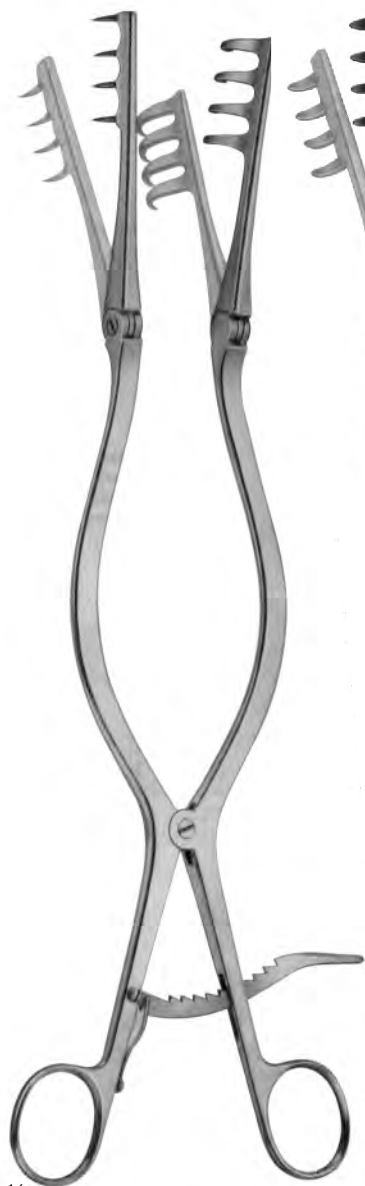
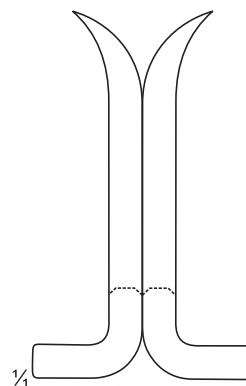
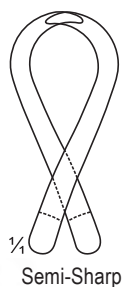
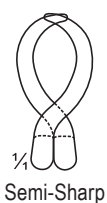
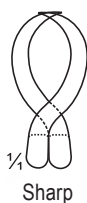
IJ-016
ANDERSON-ADSON
Sharp
190 mm



IJ-017
NORFOLK and
NORWICH
Blunt
220 mm



IJ-018
ADSON
Sharp
265 mm



IJ-019
BECKMANN-ADSON
Sharp
310 mm



IJ-019A
BECKMANN-ADSON
Semi-Sharp
310 mm

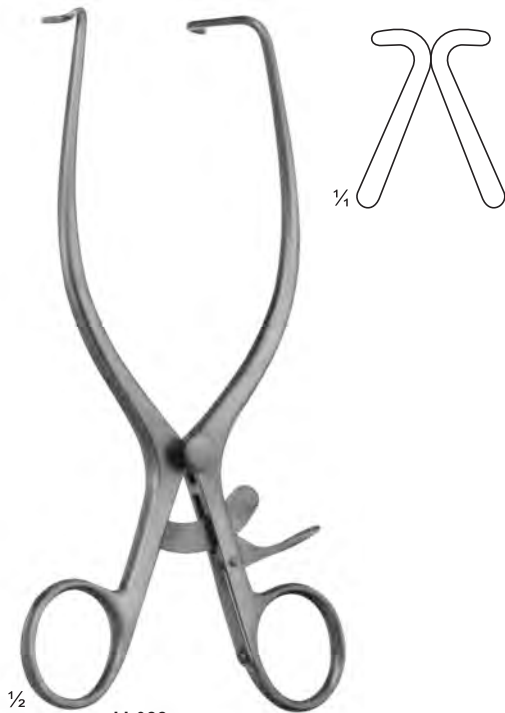


IJ-020
ADSON
Semi-Sharp
320 mm



IJ-021
BECKMANN-EATON
Sharp
320 mm

SPECIAL RETRACTORS



IJ-022
JACKSON BURROWS
Retractor, blunt
185 mm



IJ-023
GELPI
Vaginal Retractor
135 mm



IJ-024
GELPI
Skin- and Vaginal Retractor
175 mm

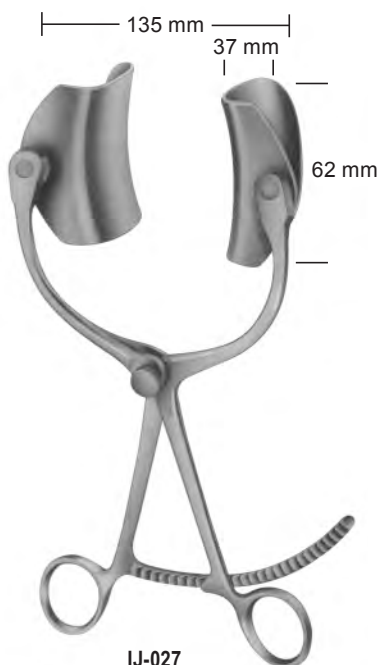


IJ-025
DE BAKEY
Femur Retractor
145 mm

ABDOMINAL RETRACTORS



IJ-026
BABY-COLLIN
with 2 pair of blades



IJ-027
COLLIN
complete



IJ-028 - IJ-032
COLLIN
complete



IJ-033 - IJ-034
RICARD
complete

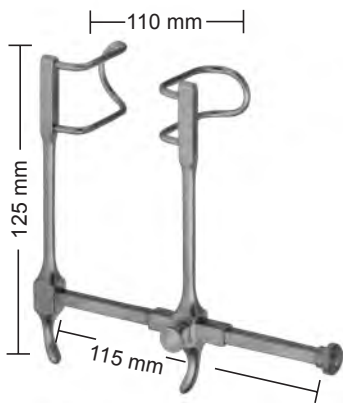
Spreader only	IJ-033	IJ-034
Lateral blade	58x80mm	72x84mm
Canter blade	54x70mm	72x90mm



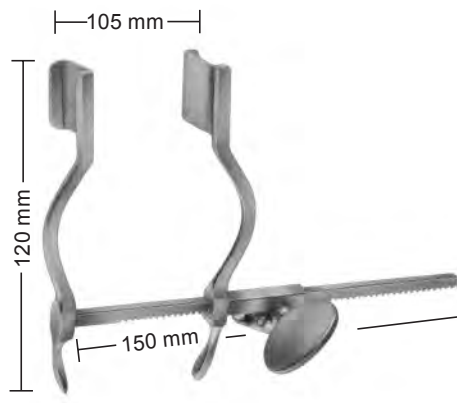
IJ-035 - IJ-037
HOLZBACH
Complete

Spreader only	IJ-035
Lateral blade	IJ-036 59x80mm
Canter blade	IJ-037 74x82mm

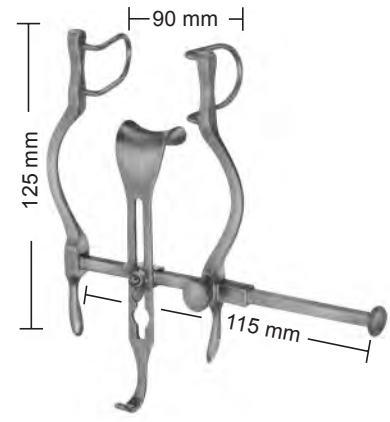
ABDOMINAL RETRACTORS



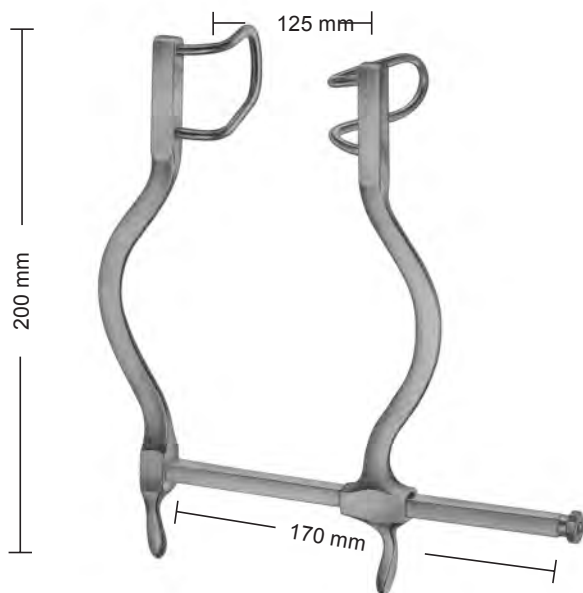
IJ-038
GOSSET
Blades: 38 mm deep



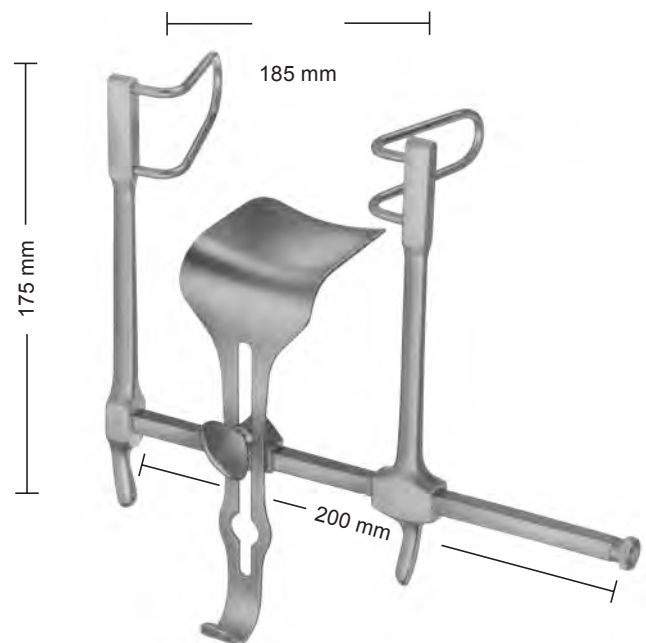
IJ-039
HERTZLER
Blades 20 X 25 mm



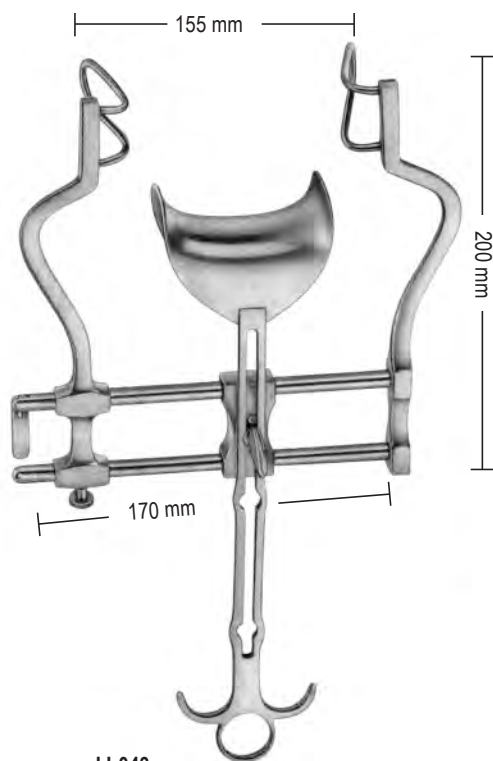
IJ-040
BALFOUR-BABY
Lateral blades 27 mm deep
Center blade 21x24 mm



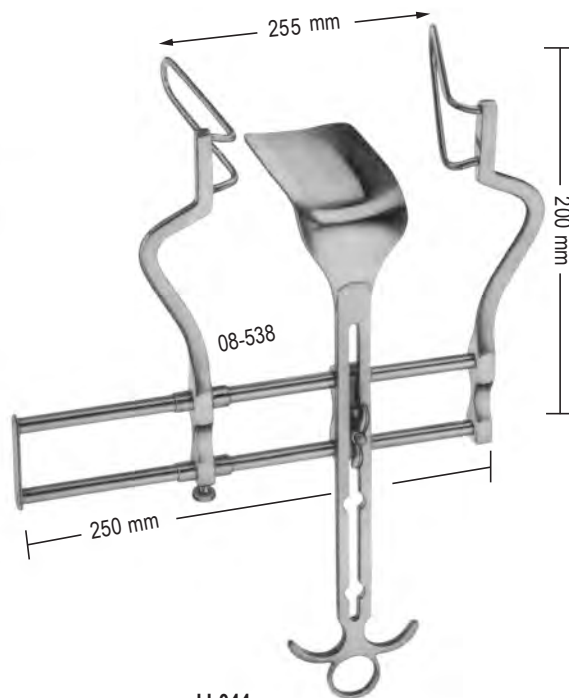
IJ-041
GOSSET
Blades: 55 mm deep



IJ-042
GOSSET
Lateral blades 58 mm deep
Center blade 59 x 57 mm



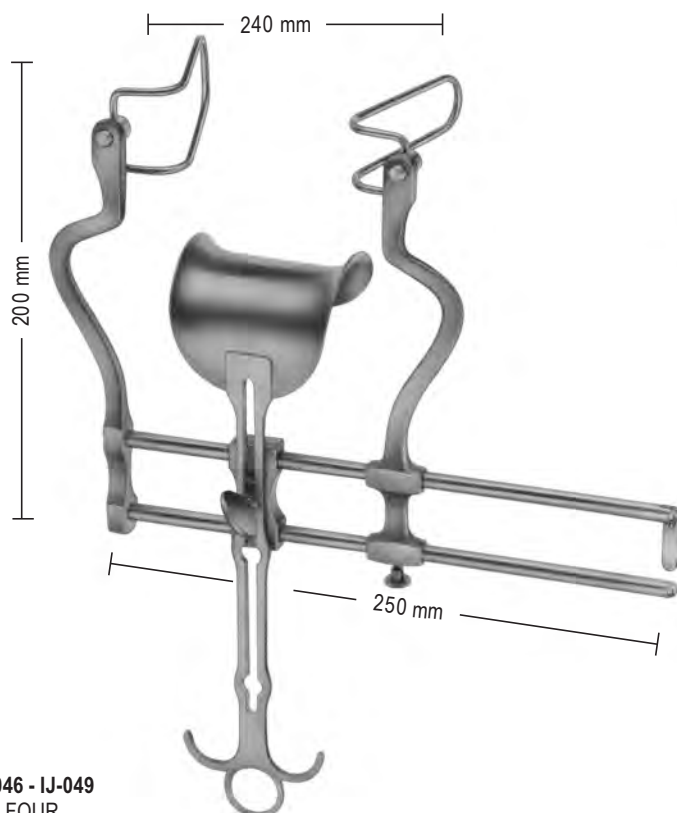
IJ-043
BALFOUR
Lateral blades 60 mm deep
Center blade 47 x 80 mm



IJ-044
BALFOUR
Lateral blades 105 mm deep
Center blade 107x 59 mm



IJ-045
Center blade only
54x80 mm



IJ-046 - IJ-049
BALFOUR
Spreader only
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
IJ-050
50 mm deep
IJ-051
60 mm deep
IJ-052
75 mm deep
IJ-053
90 mm deep

WOUND SPREADERS, SELF-RETAINING



BOSE
IJ-054
60 mm



FINSEN
IJ-055
50 mm



FINSEN
IJ-056
70 mm



FINSEN modif.
IJ-057
75 mm



IJ-058
45 mm



IJ-059
55 mm



MUELLER
IJ-060
65 mm



ALM
IJ-061 7 cm
IJ-062 10 cm



IJ-061



IJ-062



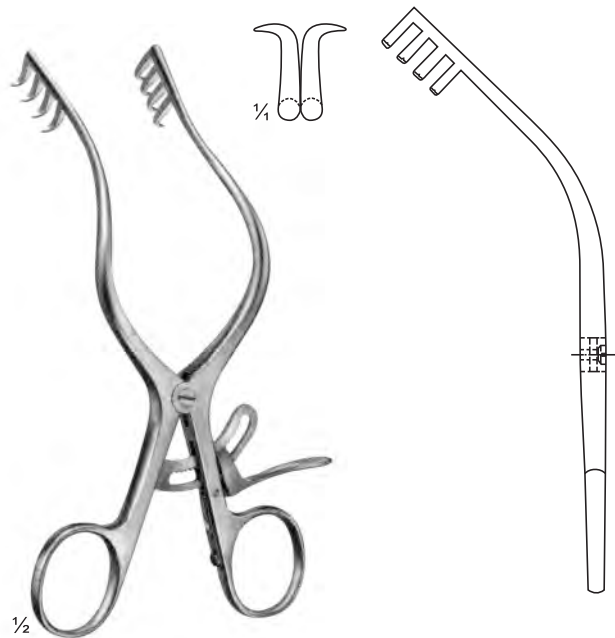
JANSEN
IJ-063
100 mm



JANSEN
IJ-064
100 mm



$\frac{1}{2}$
ADSON-BABY
Blunt
IJ-065
14 cm



$\frac{1}{2}$
MOLLISON
Sharp
IJ-066
15.5 cm



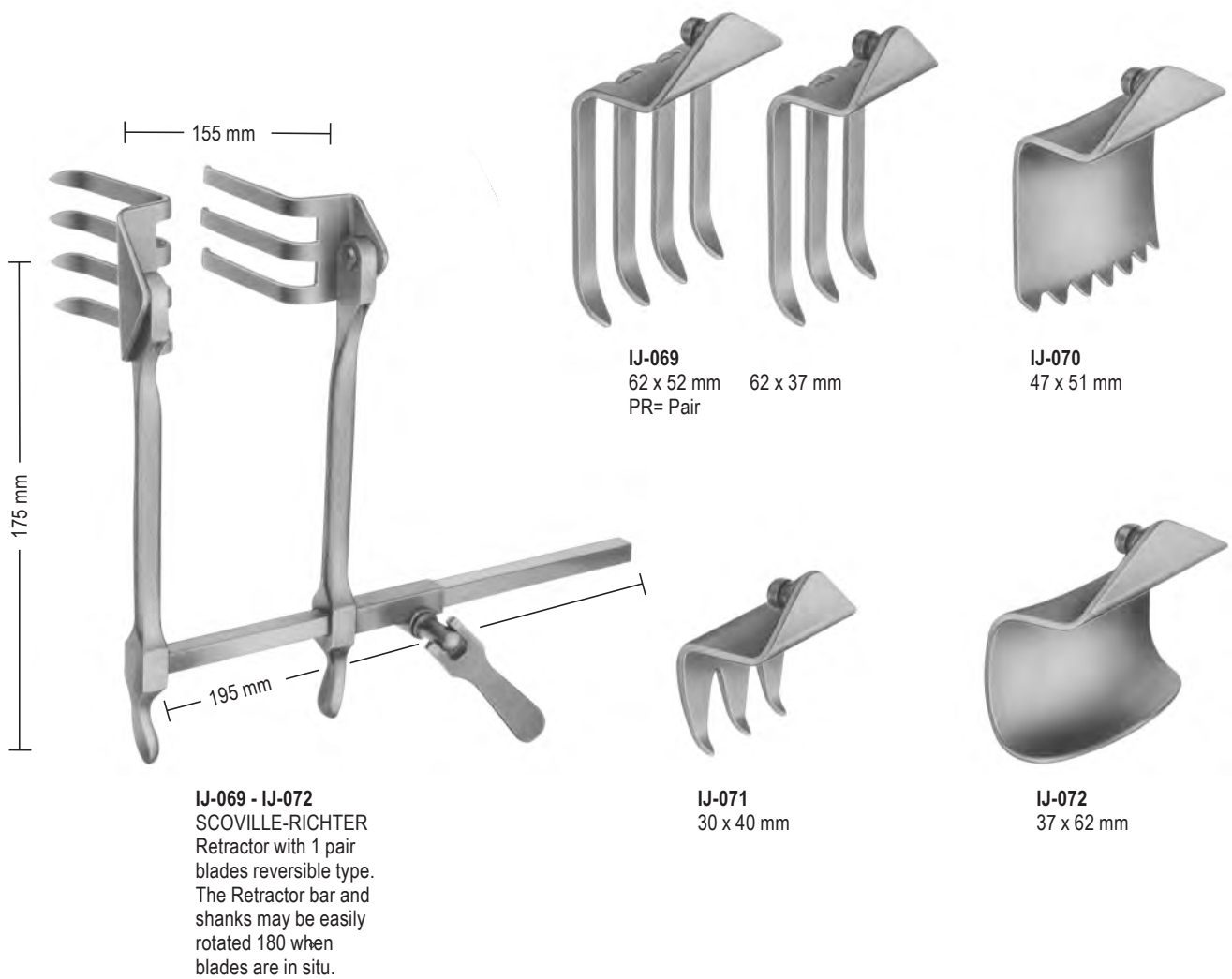
$\frac{1}{2}$
MAYO-ADAMS
IJ-067
16.5 cm

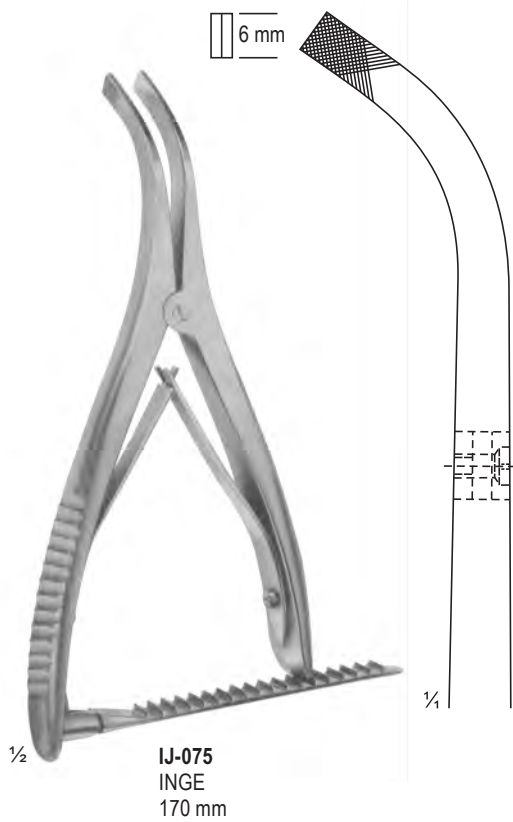
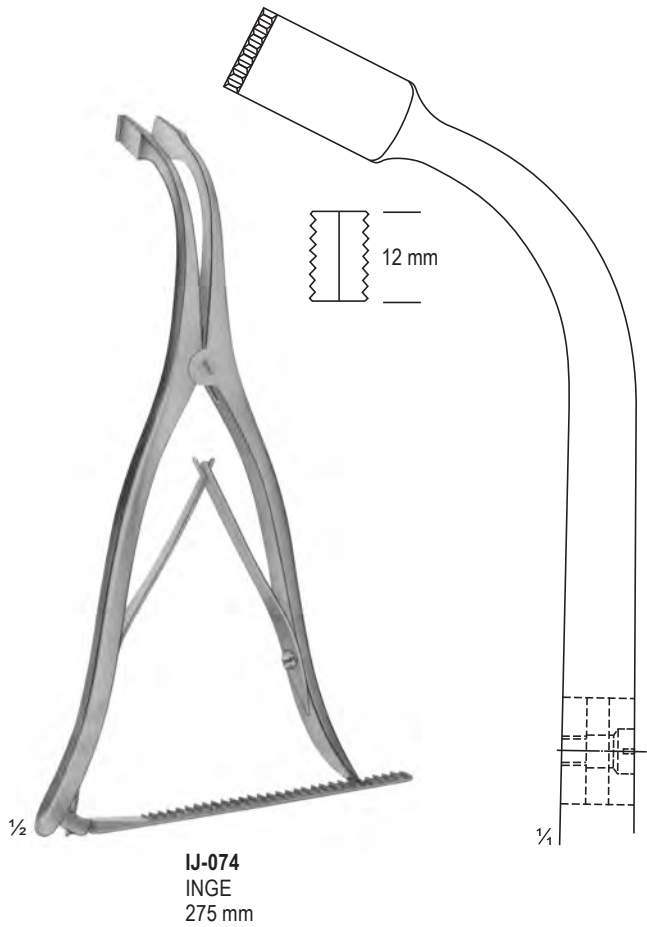
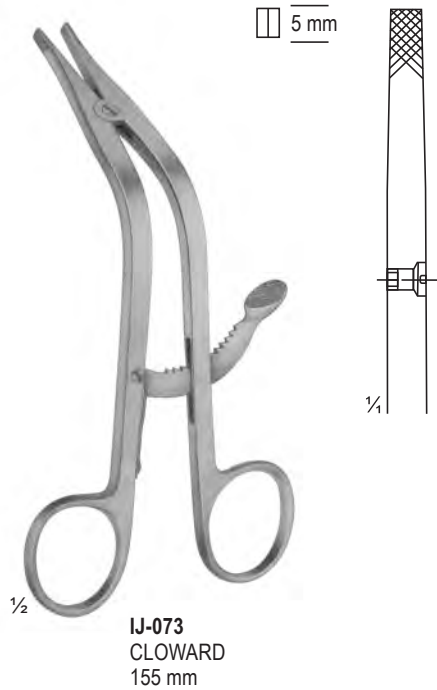


$\frac{1}{2}$
TRAVERS
IJ-068
21.5 cm



SELF RETAINING RETRACTORS
FOR LAMINECTOMY AND OTHER OPERATIONS





SELF-RETAINING RETRACTORS



WEITLANER
Sharp
IJ-076
11 cm



WEITLANER
Semi-Sharp
IJ-077
11 cm



WEITLANER
Blunt
IJ-078
11 cm



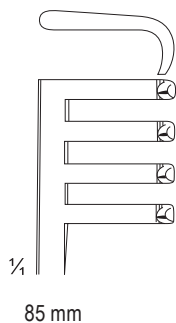
WEITLANER
Sharp
IJ-079
13 cm



WEITLANER
Semi-Sharp
IJ-080
13 cm



WEITLANER
Blunt
IJ-081
13 cm



HENLEY
Complete with 3 Central Baldes
IJ-082 - IJ-084
16.5 cm



Blades
IJ-082
19 X 17 mm



Blades
IJ-083
25 X 17 mm



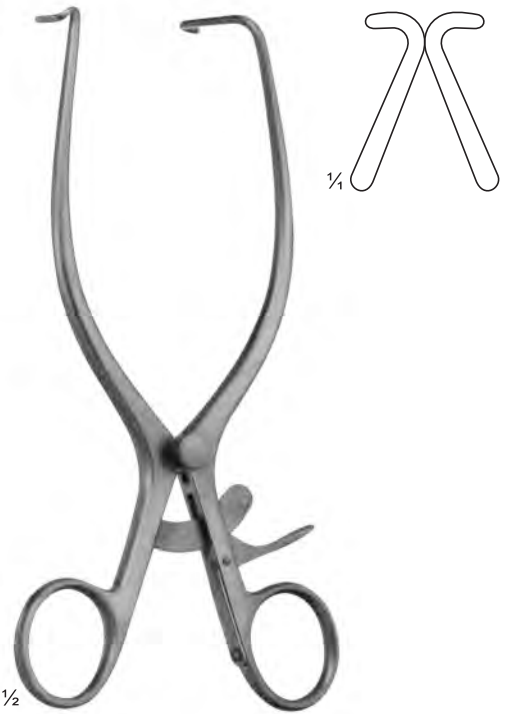
Blades
IJ-084
32 X 17 mm



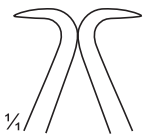
SPECIAL RETRACTORS



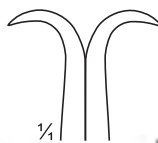
JOLL (FRIEDMAN)
IJ-085
Thyroid and Vaginal Retractor
15.5 cm



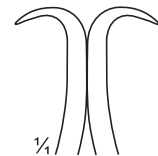
JACKSON BURROWS
IJ-086
Retractor, blunt
18.5 cm



GELPI
IJ-087
13.5 cm



GELPI
IJ-088
17.5 cm



DE BAKEY
IJ-089
14.5 cm



O'SULLIVAN-O'CONNOR
IJ-090 - IJ-092



Blades for
Fig. 1 = IJ-090 45 X 17 mm
Fig. 2 = IJ-091 90 X 37 mm
Fig. 3 = IJ-092 90 X 45 mm



RETRACTORS FOR CERVICAL SPINE



CLOWARD modif.
Spreader Only
IJ-093 - IJ-102



16 mm
IJ-093



16 mm
IJ-094



16 mm
IJ-095



16 mm
IJ-096



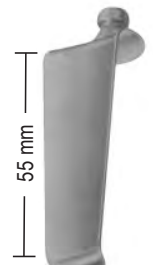
16 mm
IJ-097



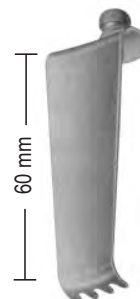
16 mm
IJ-098



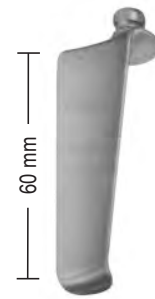
16 mm
IJ-099



16 mm
IJ-100



16 mm
IJ-101



16 mm
IJ-102



CLOWARD-TYPE

IJ-103

25.5 cm

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



IJ-104 - IJ-108

IJ-104 15 x 40 mm

IJ-105 15 x 45 mm

IJ-106 15 x 50 mm

IJ-107 15 x 55 mm

IJ-108 15 x 60 mm

serrated



IJ-109 - IJ-113

IJ-109 15 x 40 mm

IJ-110 15 x 45 mm

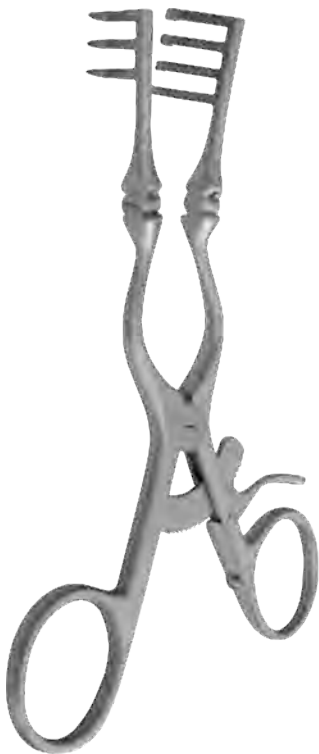
IJ-111 15 x 50 mm

IJ-112 15 x 55 mm

IJ-113 15 x 60 mm

Blunt

RETRACTORS FOR CERVICAL VERTEBRAL COLUMN



CONE

IJ-114 - IJ-121

IJ-114 14 cm, 18 mm 3 x 4
IJ-115 16 cm, 18 mm 3 x 4
IJ-116 20 cm, 20 mm 3 x 4
IJ-117 24 cm, 27 mm 3 x 4
IJ-118 14 cm, 18 mm 3 x 4
IJ-119 16 cm, 18 mm 3 x 4
IJ-120 20 cm, 20 mm 3 x 4
IJ-121 24 cm, 27 mm 3 x 4
 prongs blunt



MARKHAM-MEYERDING

IJ-122

18 cm, 50 x 25 mm left
 Hemilaminectomy Retractor



MARKHAM-MEYERDING

IJ-123

18 cm, 50 x 25 mm right
 Hemilaminectomy Retractor



MINI-WEITLANER

IJ-124 - IJ-125

IJ-124 11 cm, 16 mm 2 x 3 prongs sharp

IJ-125 11 cm, 16 mm 2 x 3 prongs blunt



WEITLANER

IJ-126 - IJ-133

IJ-126 13 cm, 18 mm 3 x 4 prongs sharp

IJ-127 16 cm, 18 mm 3 x 4 prongs sharp

IJ-128 20 cm, 21 mm 3 x 4 prongs sharp

IJ-129 25 cm, 27 mm 3 x 4 prongs sharp

IJ-130 13 cm, 18 mm 3 x 4 prongs blunt

IJ-131 16 cm, 18 mm 3 x 4 prongs blunt

IJ-132 20 cm, 21 mm 3 x 4 prongs blunt

IJ-133 25 cm, 27 mm 3 x 4 prongs blunt



ANDERSON-ADSON

Cerebellar Retractor

IJ-134 20 cm 4 x 4 prongs sharp



RETRACTORS FOR CERVICAL VERTEBRAL COLUMN



WEITLANER

IJ-135 - IJ-136

IJ-135 26 cm, 27 mm 5 x 6 prongs sharp

IJ-136 26 cm, 27 mm 5 x 6 prongs blunt



HEMILAMINECTOMY

IJ-137 - IJ-138

IJ-137 29 cm, 42 mm 6 x 6 prongs sharp

IJ-138 29 cm, 42 mm 6 x 6 prongs blunt



IJ-139 - IJ-142

Right blade 42 mm, left blade 22 mm deep

IJ-139 29 cm, 22/42 mm 6 x 6 prongs sharp

IJ-140 29 cm, 22/42 mm 6 x 6 prongs blunt

Right blade 22 mm, left blade 42 mm deep

IJ-141 29 cm, 22/42 mm 6 x 6 prongs sharp

IJ-142 29 cm, 22/42 mm 6 x 6 prongs blunt



SCALP CONTOUR

IJ-143 - IJ-146

IJ-143 14 cm, 18 mm 1 x 1 prongs blunt

IJ-144 14 cm, 18 mm 3 x 3 prongs blunt

IJ-145 14 cm, 18 mm 3 x 4 prongs sharp

IJ-146 14 cm, 18 mm 3 x 4 prongs blunt



BECKMANN-ADSON

IJ-147 - IJ-152

IJ-147 31 cm, 25 mm 4 x 4 prongs sharp

IJ-148 31 cm, 37 mm 4 x 4 prongs sharp

IJ-149 31 cm, 48 mm 4 x 4 prongs sharp

IJ-150 31 cm, 25 mm 4 x 4 prongs blunt

IJ-151 31 cm, 37 mm 4 x 4 prongs blunt

IJ-152 31 cm, 48 mm 4 x 4 prongs blunt

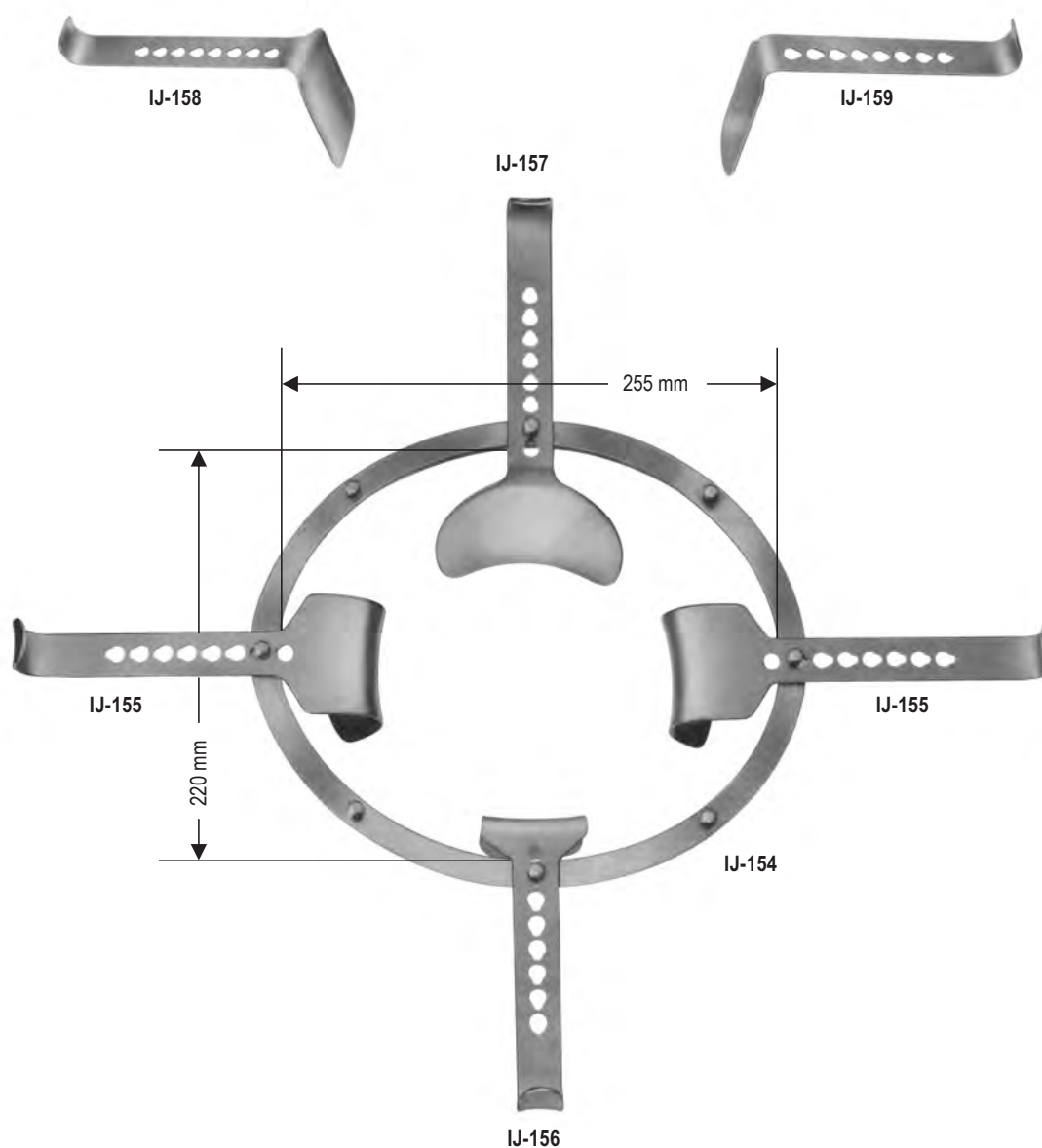


BECKMANN-EATON

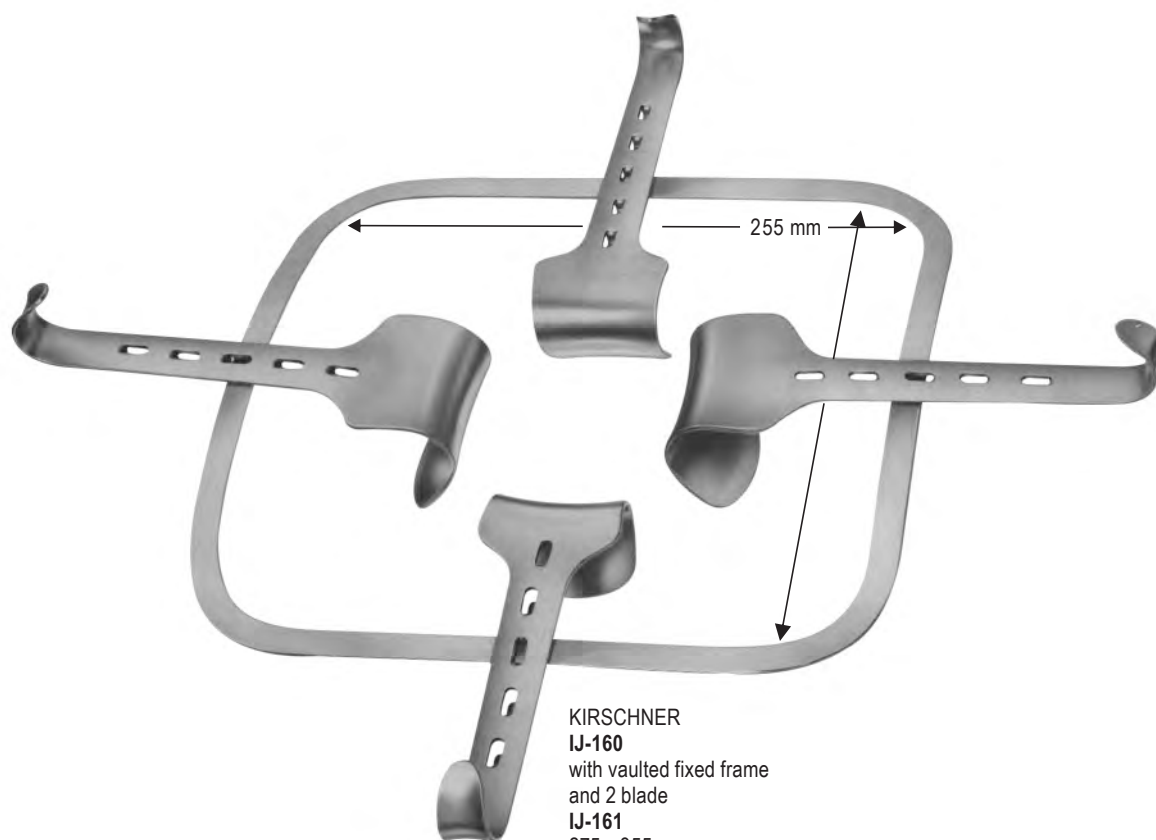
IJ-153

32 cm, 50 mm 7 x 7 prongs sharp

ABDOMINAL RETRACTORS



- IJ-154 - IJ-159**
SEMM
consisting of:
- IJ-154** 1 frame 225 x 220 mm
 - IJ-155** 2 blades 46 x 64 mm
 - IJ-156** 1 blade 53 x 54 mm
(for bladder)
 - IJ-157** 1 blade 82 x 97 mm
(for intestine)
 - IJ-158** 1 blade 98 x 51 mm
(for intestine)
 - IJ-159** 1 blade, narrow
107 x 36 mm



KIRSCHNER
IJ-160
 with vaulted fixed frame
 and 2 blade
IJ-161
 275 x 355 mm
 Frame only, over-sized
IJ-162
 295 x 275 mm
 Frame only



IJ-163
 KIRSCHNER
 64 x 80 mm



IJ-164
 KIRSCHNER-BALFOUR
 80x 82 mm



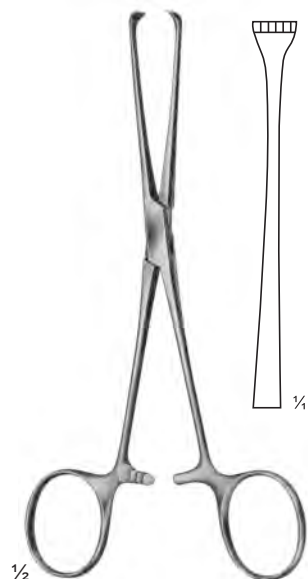
IJ-165 - IJ-167
 KIRSCHNER
IJ-165 90x 69mm
IJ-166 92x 95mm
IJ-167 78x 58mm



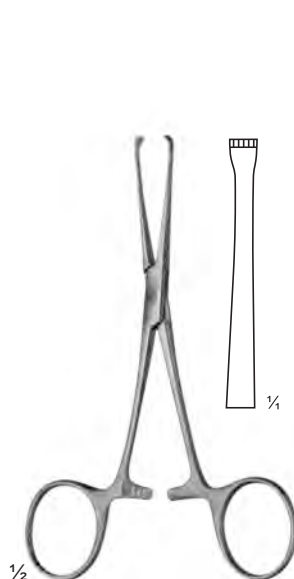
IJ-168 - IJ-170
 KIRSCHNER
IJ-168 108x42mm
IJ-169 91x 55mm
IJ-170 121x 55mm

Page 216–250

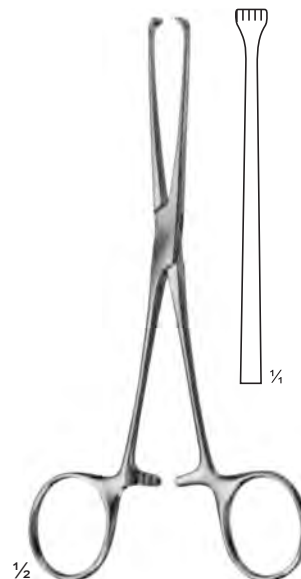
- Abdominal Surgery
- Intestinal and Rectal Instruments



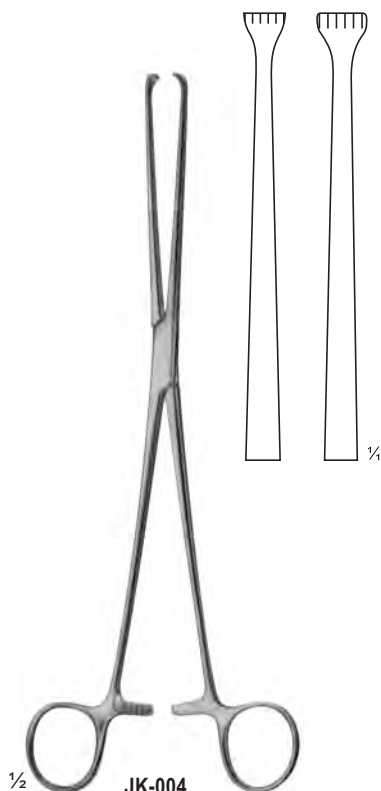
JK-001
BOYS-ALLIS
5 X 6 teeth, sharp
155 mm,



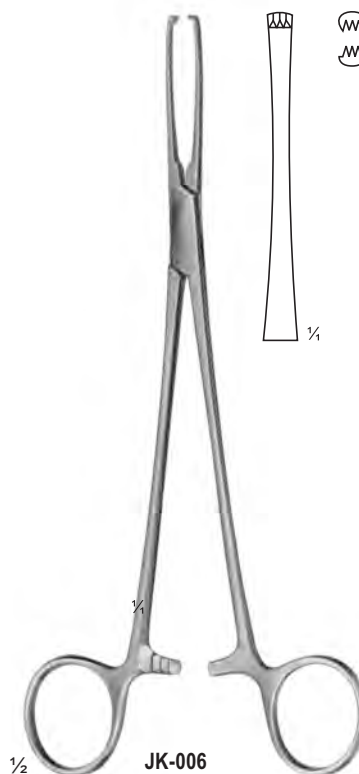
JK-002
ALLIS
4 X 5 teeth
155 mm,
JK-002-1
ALLIS
4 X 5 teeth
120 mm,



JK-003
ALLIS
155 mm,
4 X 5 teeth

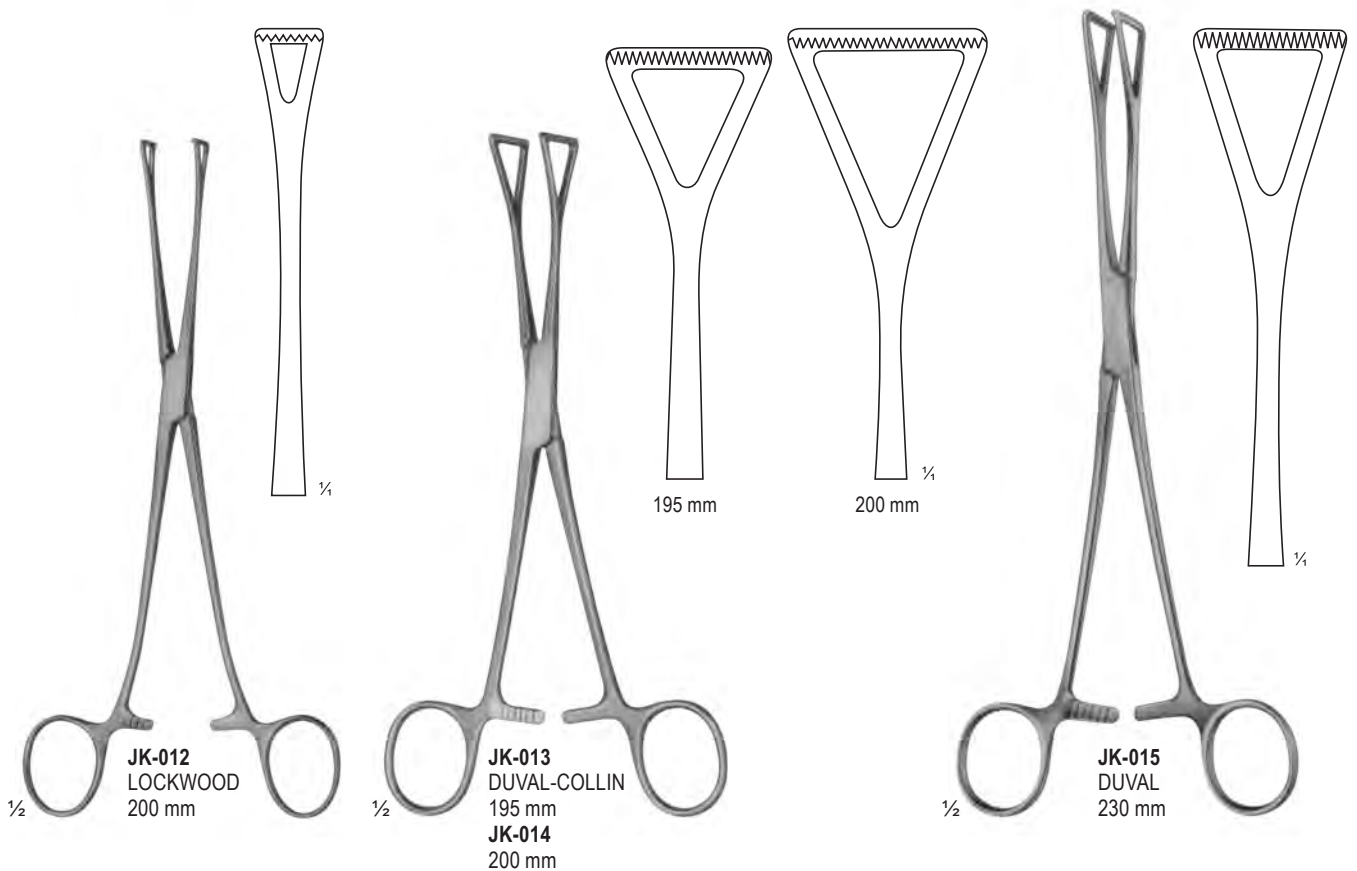
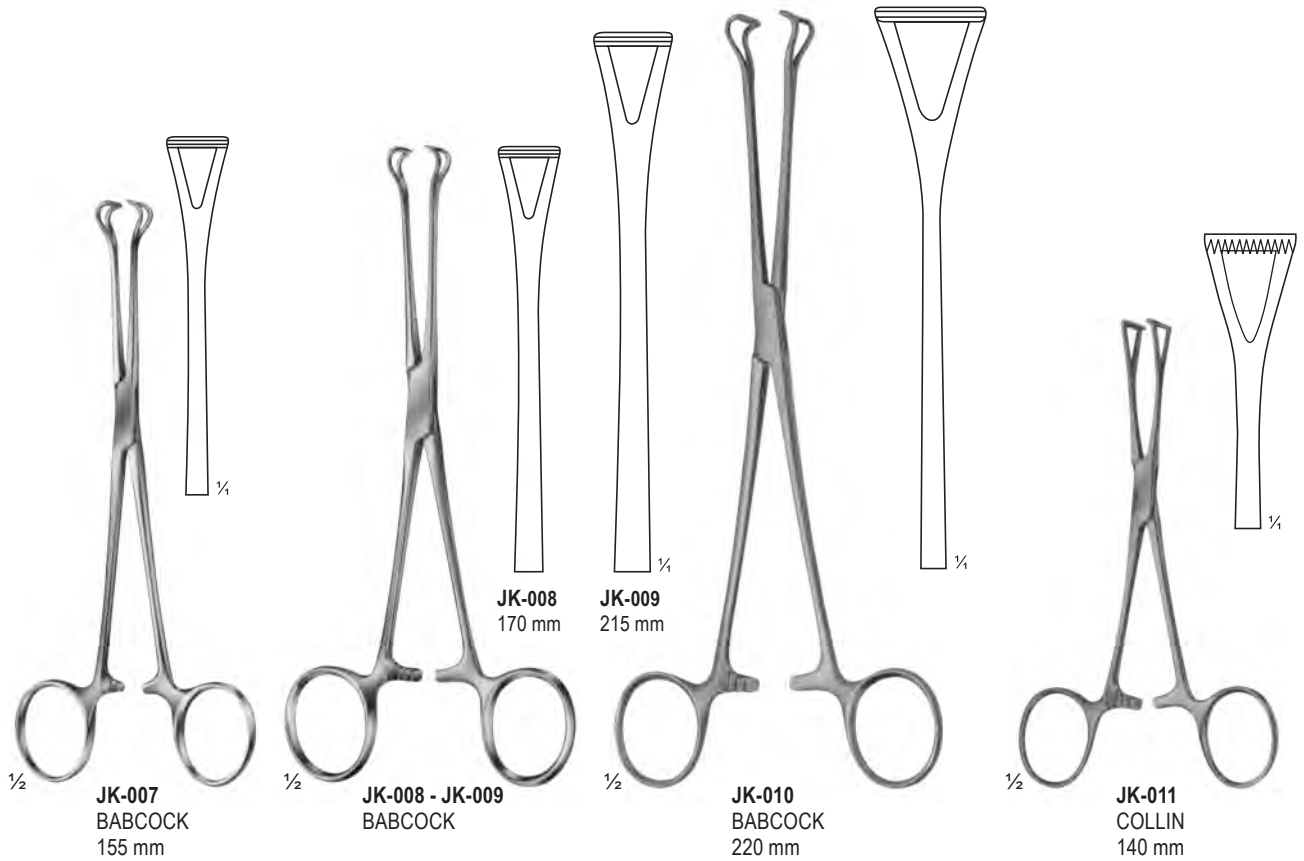


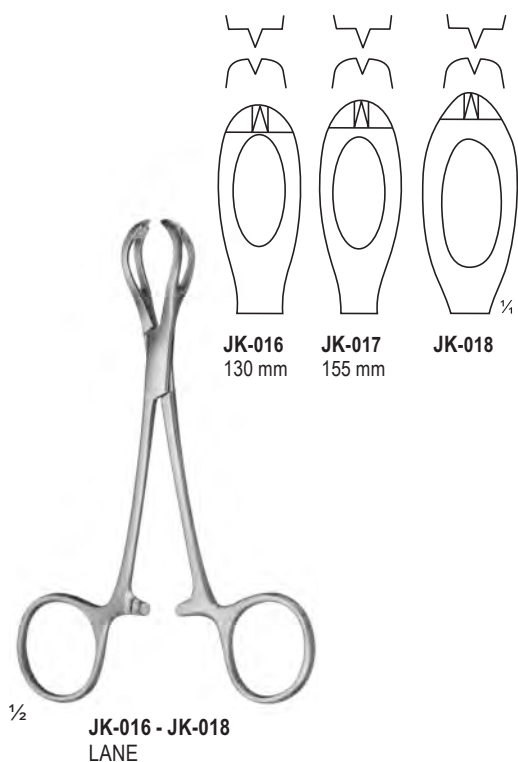
JK-004
ALLIS
190 mm,
JK-005 **JK-005-1**
255 mm, 200 mm,
5 X 6 teeth 5 X 6 teeth



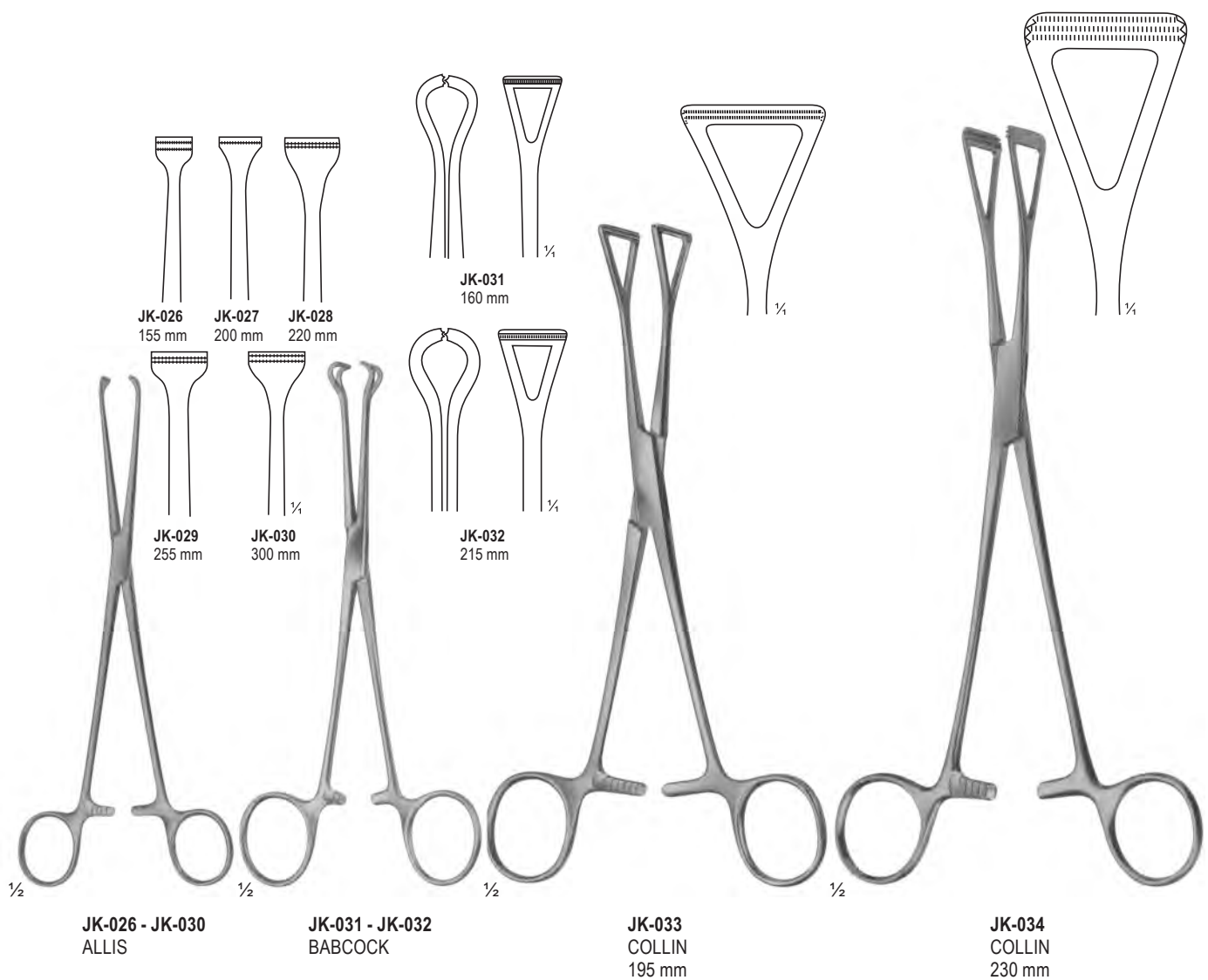
JK-006
JUDD-ALLIS
3 X 4 teeth
195 mm,

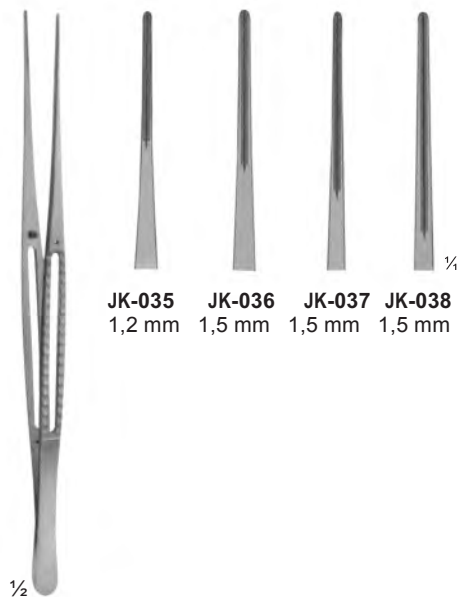
INTESTINAL GRASPING FORCEPS



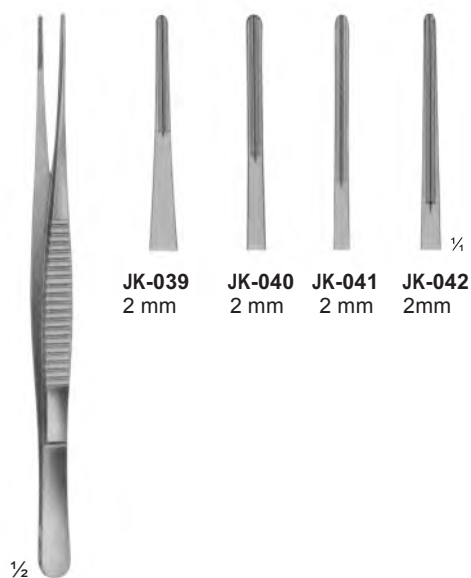


ORGAN- TISSUE GRASPING, DISSECTING AND INTESTINAL FORCEPS

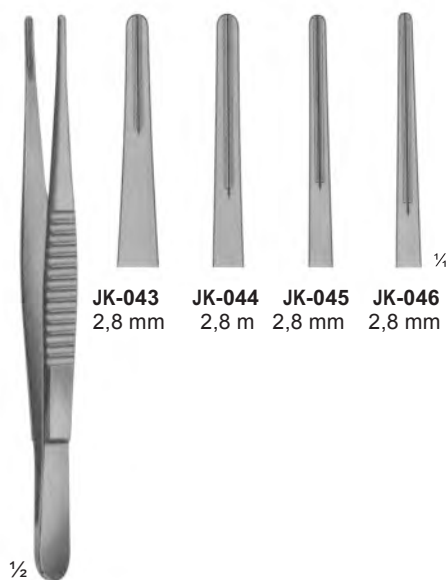




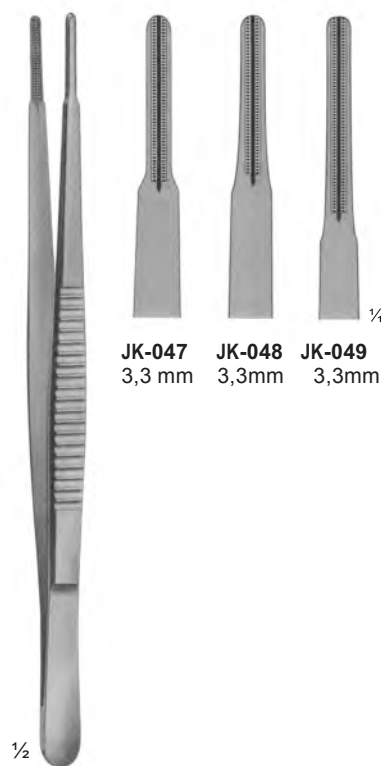
JK-035 150 mm
JK-036 200 mm
JK-037 240 mm
JK-038 300 mm



DE BAKEY
JK-039 150 mm
JK-040 200 mm
JK-041 240 mm
JK-042 300 mm

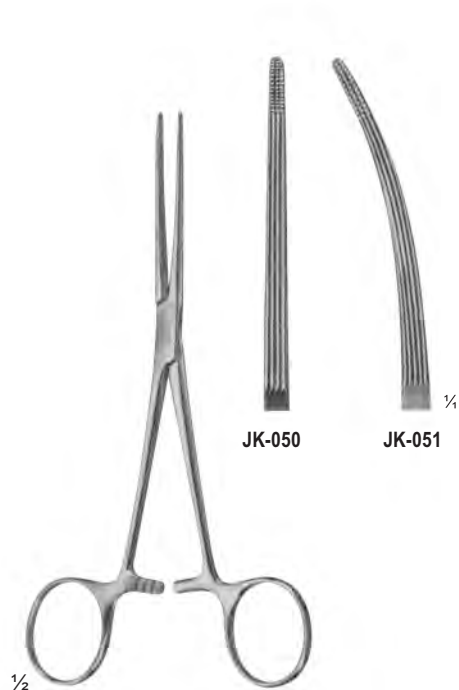


DE BAKEY
JK-043 150 mm
JK-044 200 mm
JK-045 240 mm
JK-046 300 mm

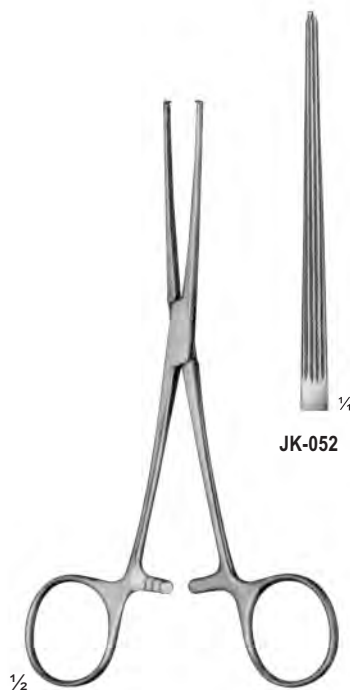


DE BAKEY
JK-047 200 mm
JK-048 240 mm
JK-049 300 mm

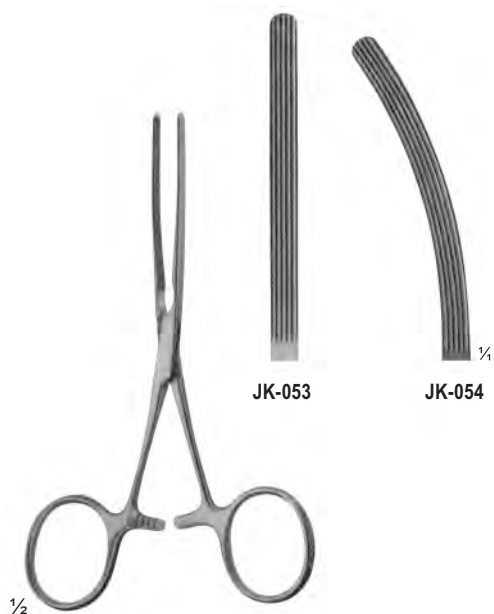
INTESTINAL CLAMPS FOR CHILDREN



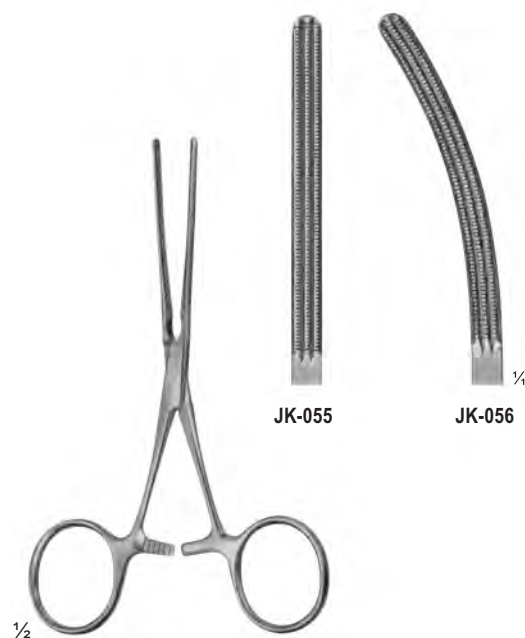
JK-050 - JK-051
BAINBRIDGE
155 mm



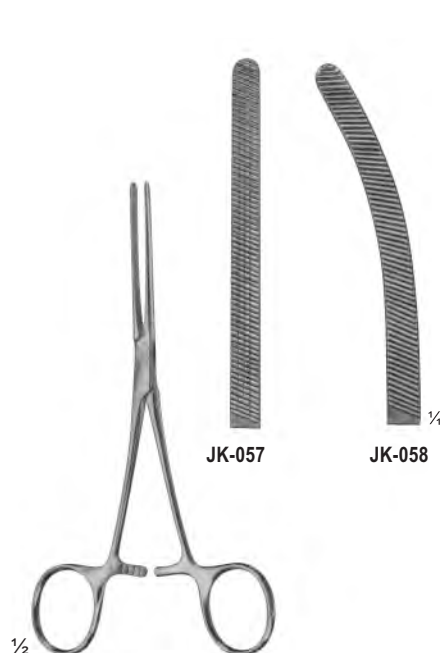
JK-052
ALLEN
155 mm



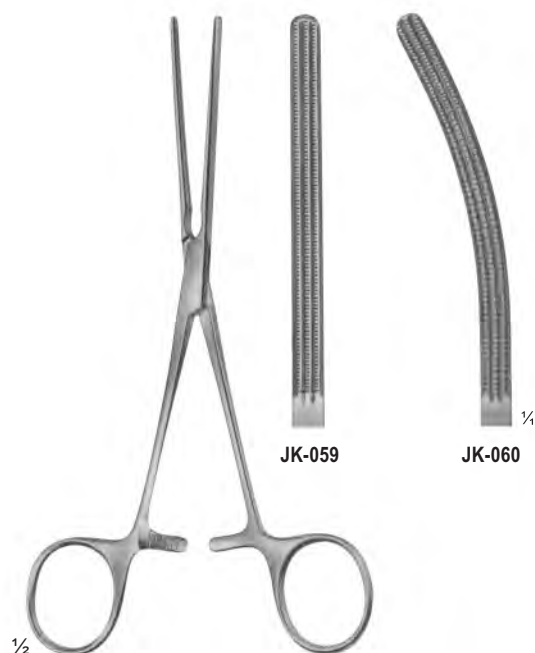
JK-053 - JK-054
BABY-KOCHER
very elastic blades
130 mm



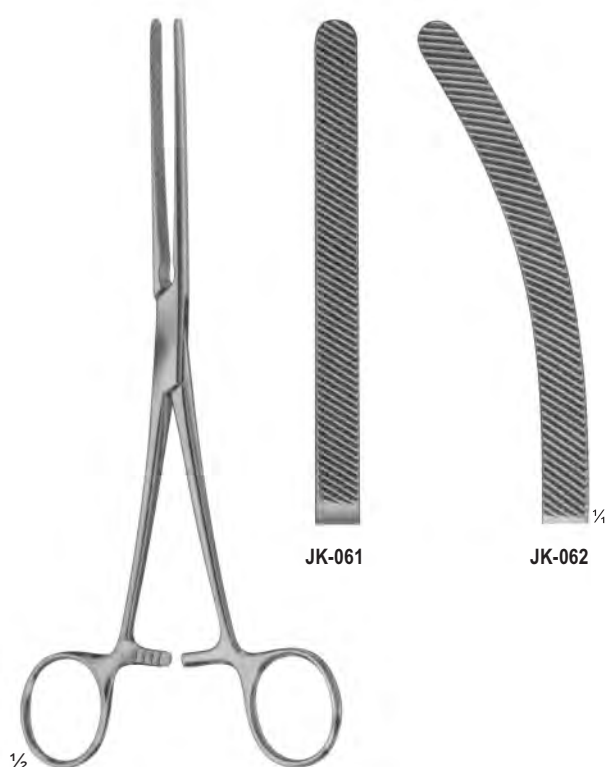
JK-055 - JK-056
BABY-KOCHER
with elastic blades
130 mm



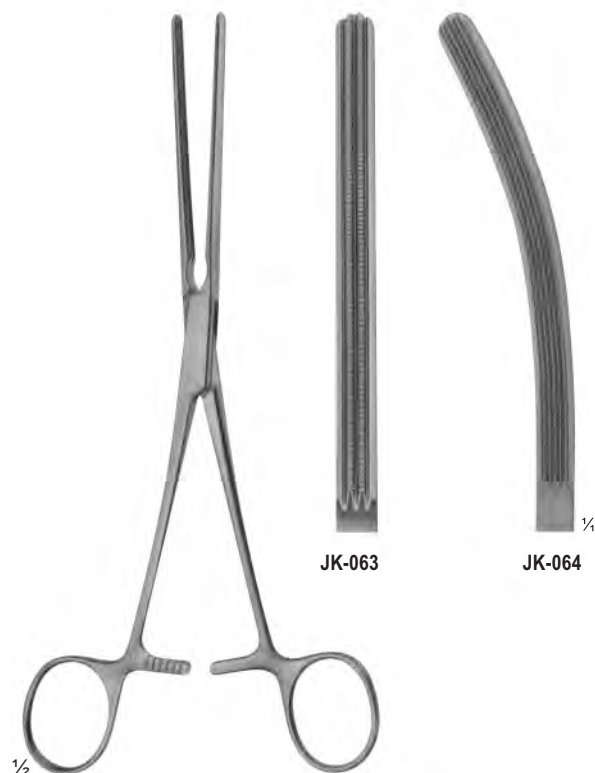
JK-057 - JK-058
DOYEN
elastic
165 mm



JK-059 - JK-060
DOYEN
with elastic blades
170 mm

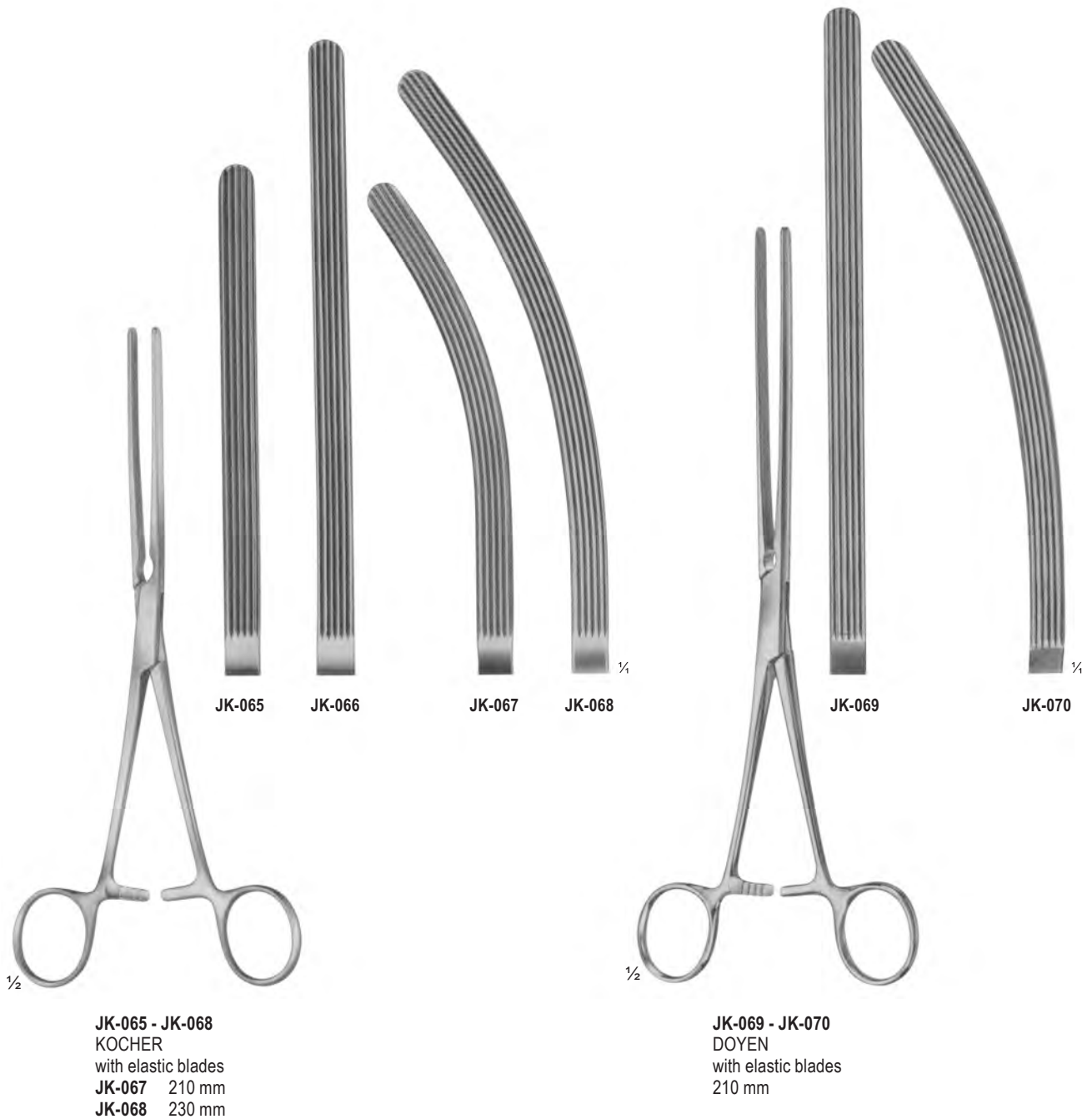


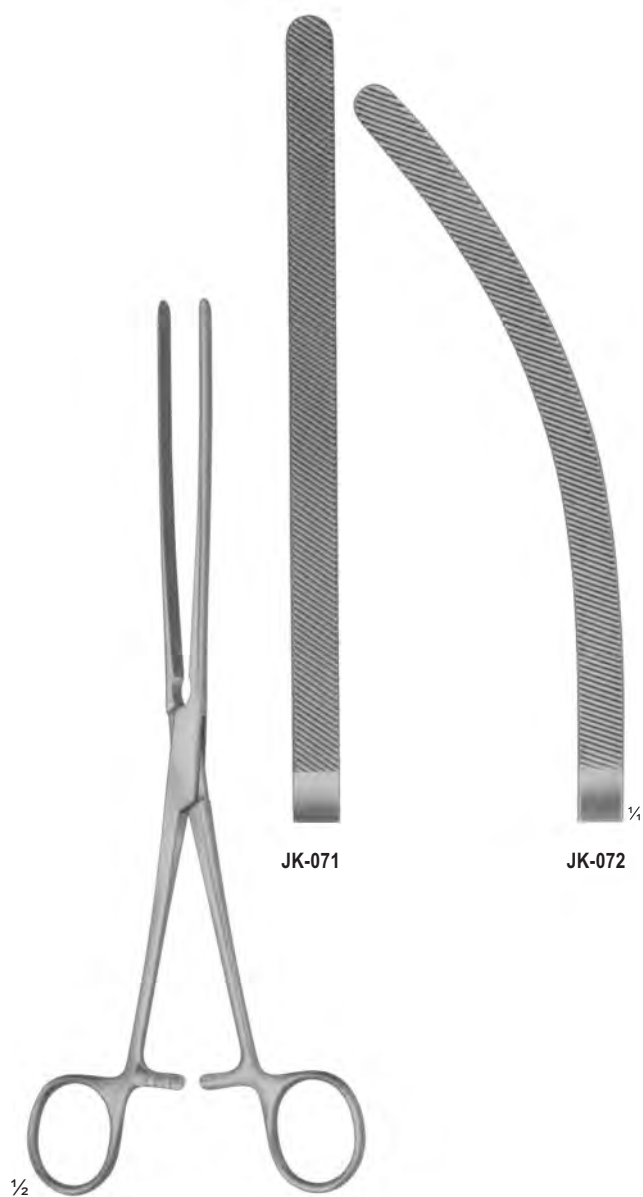
JK-061 - JK-062
HARTMANN
with elastic blades
200 mm



JK-063 - JK-064
HARTMANN
with elastic blades
200 mm

INTESTINAL CLAMPS, SOFT ELASTIC

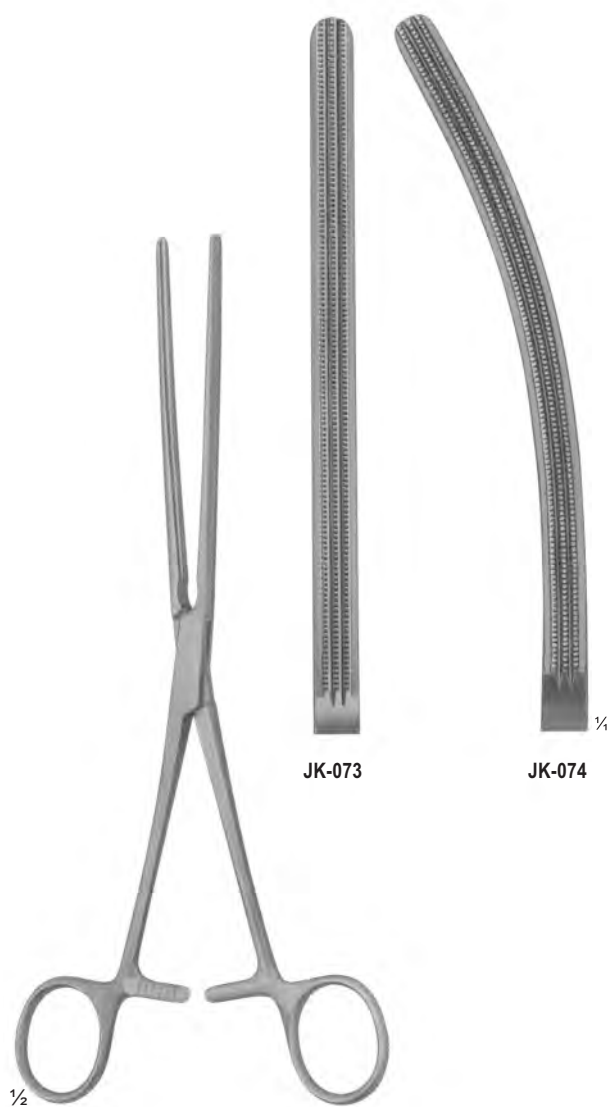




JK-071

JK-072

JK-071 - JK-072
DOYEN
with elastic blades
235 mm

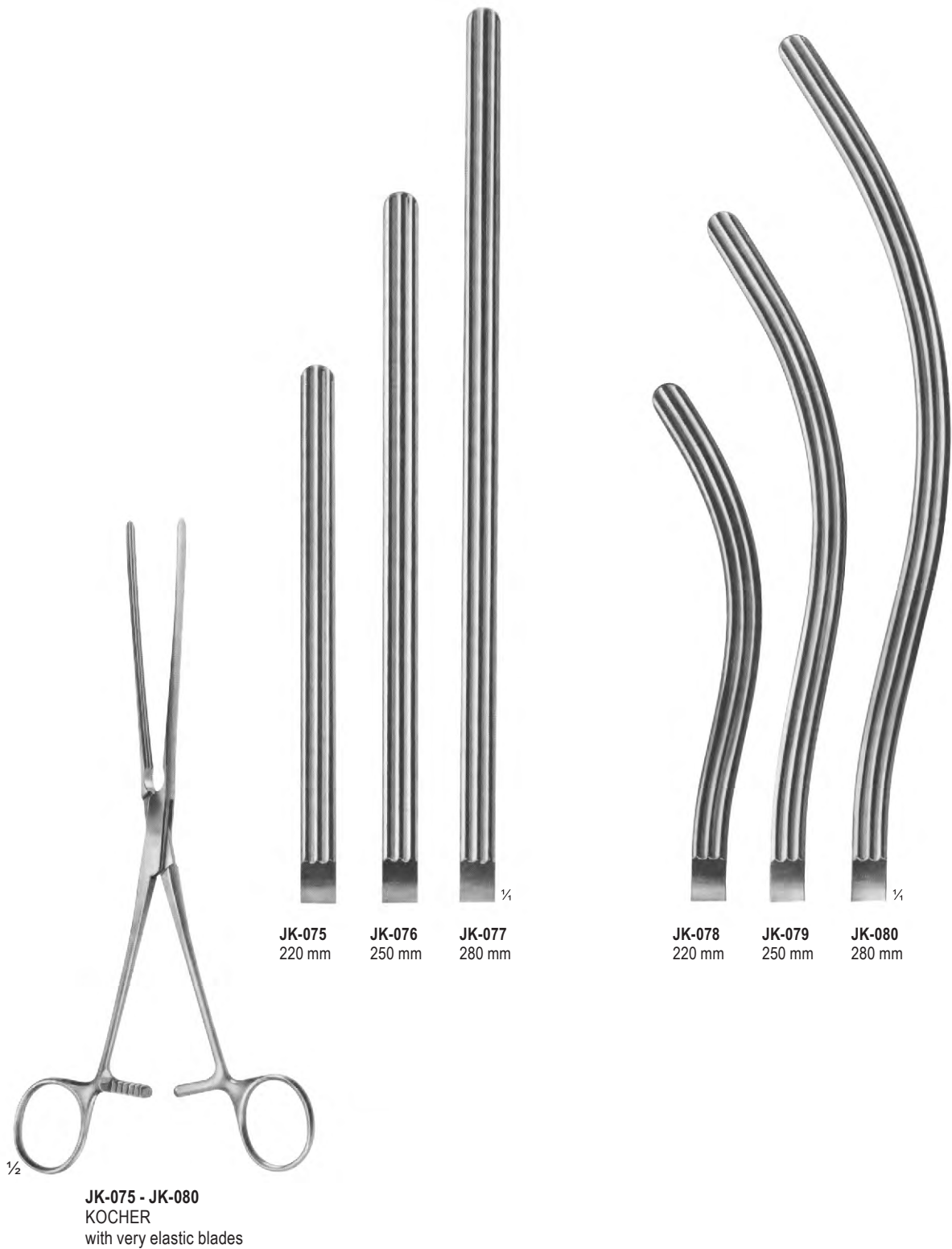


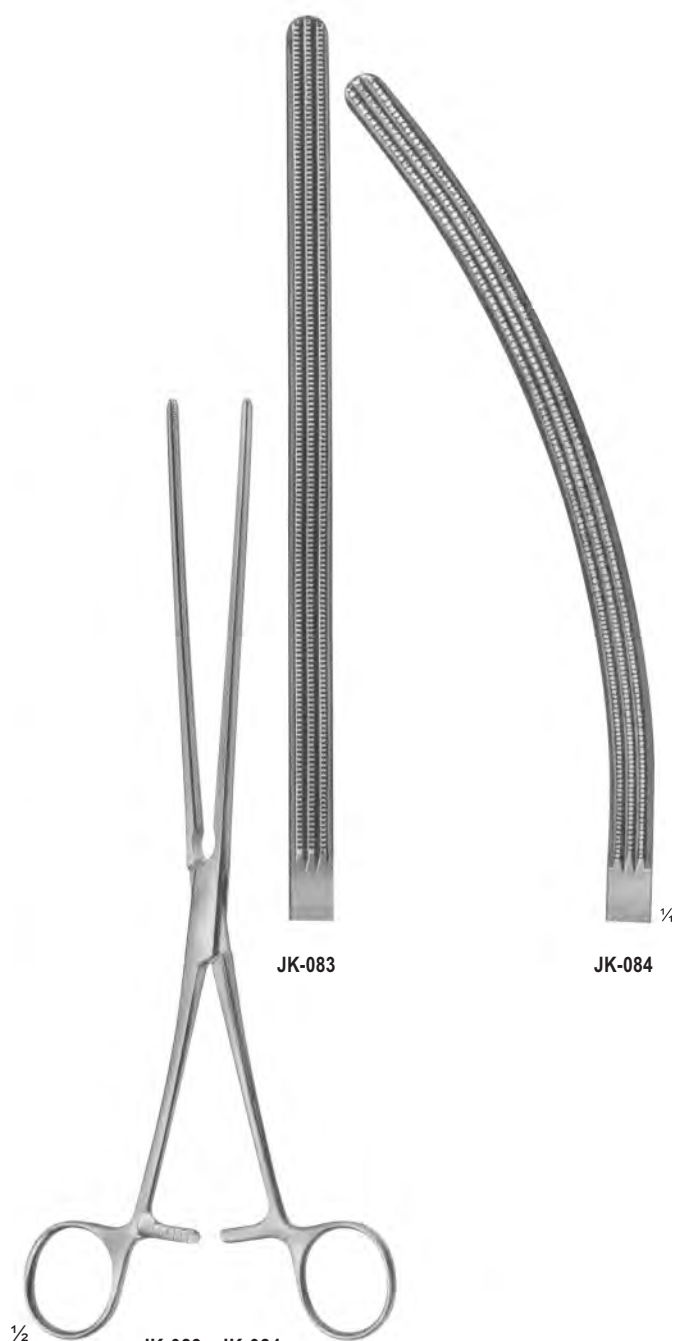
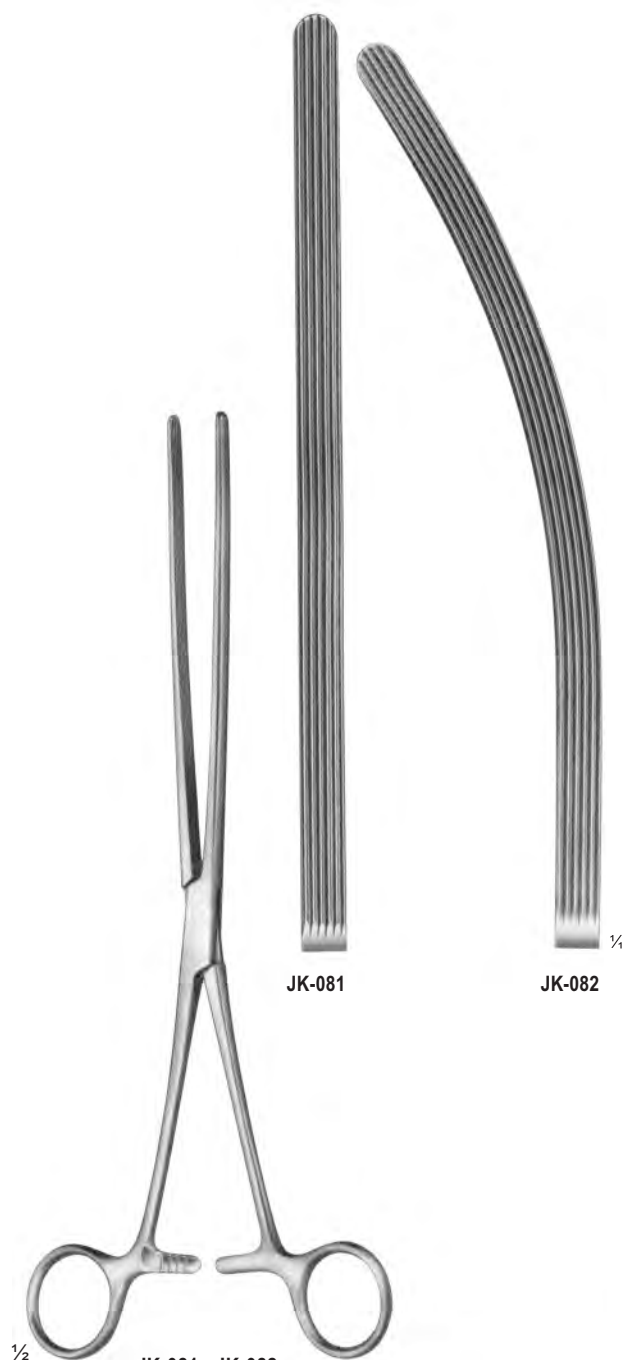
JK-073

JK-074

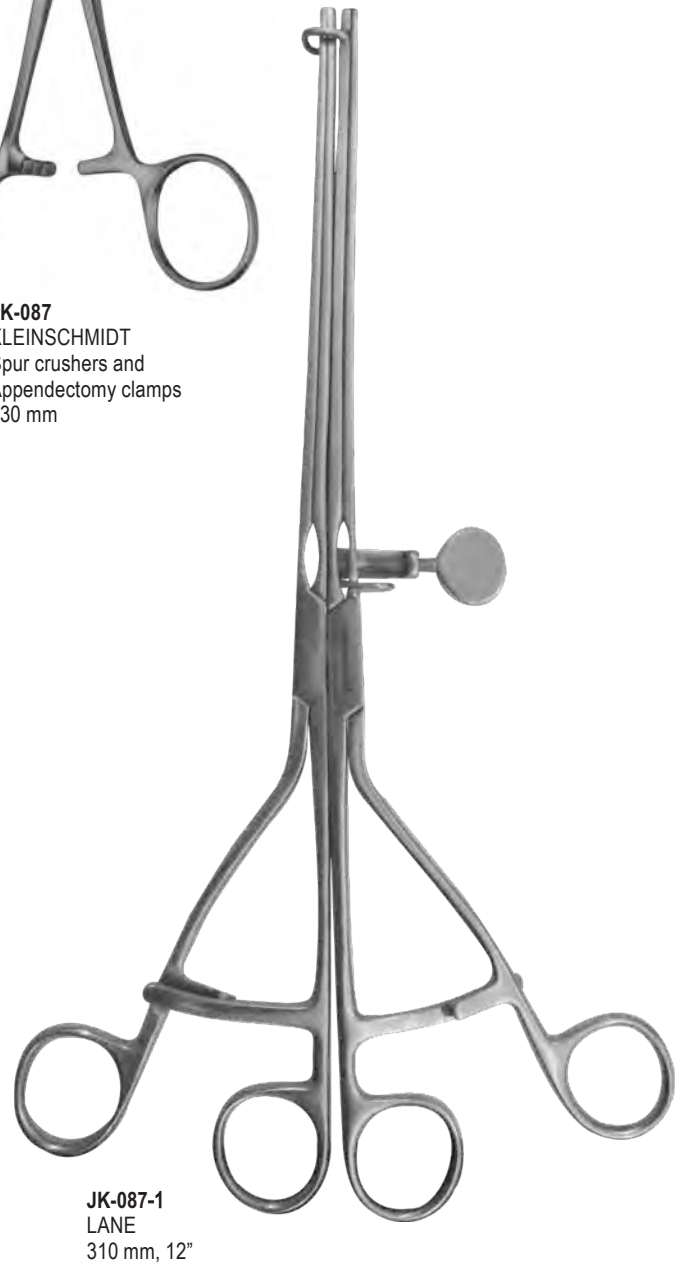
JK-073 - JK-074
DOYEN
with elastic blades
230 mm

INTESTINAL CLAMPS, SOFT ELASTIC





STOMACH CLAMPS

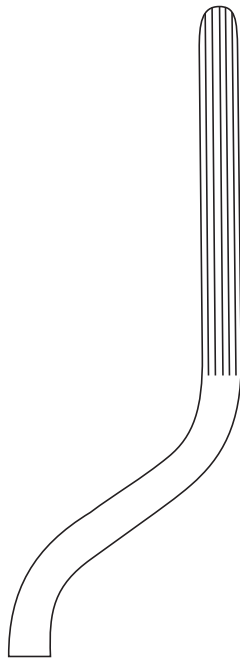




INTESTINAL CLAMPS, SOFT ELASTIC



**BRUNNER
JK-092**
230 mm



**FEHLAND
JK-093**
240 mm



KOCHER
with very elastic blades
JK-094 - JK-096
JK-094 22 cm
JK-095 25 cm
JK-096 28 cm



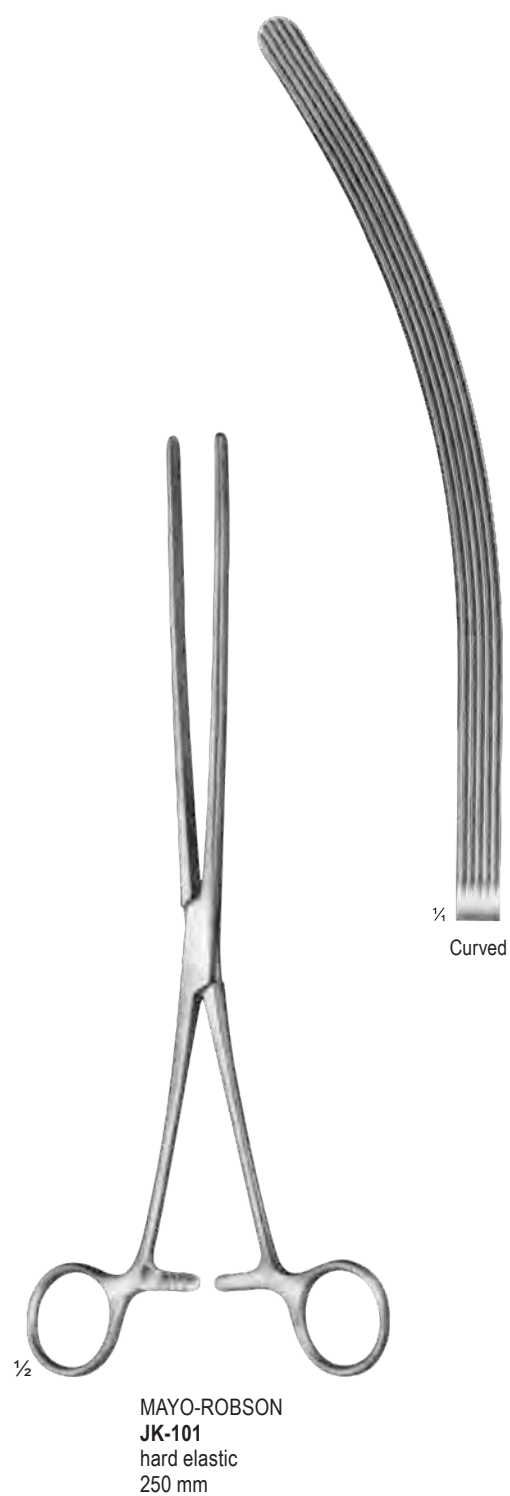
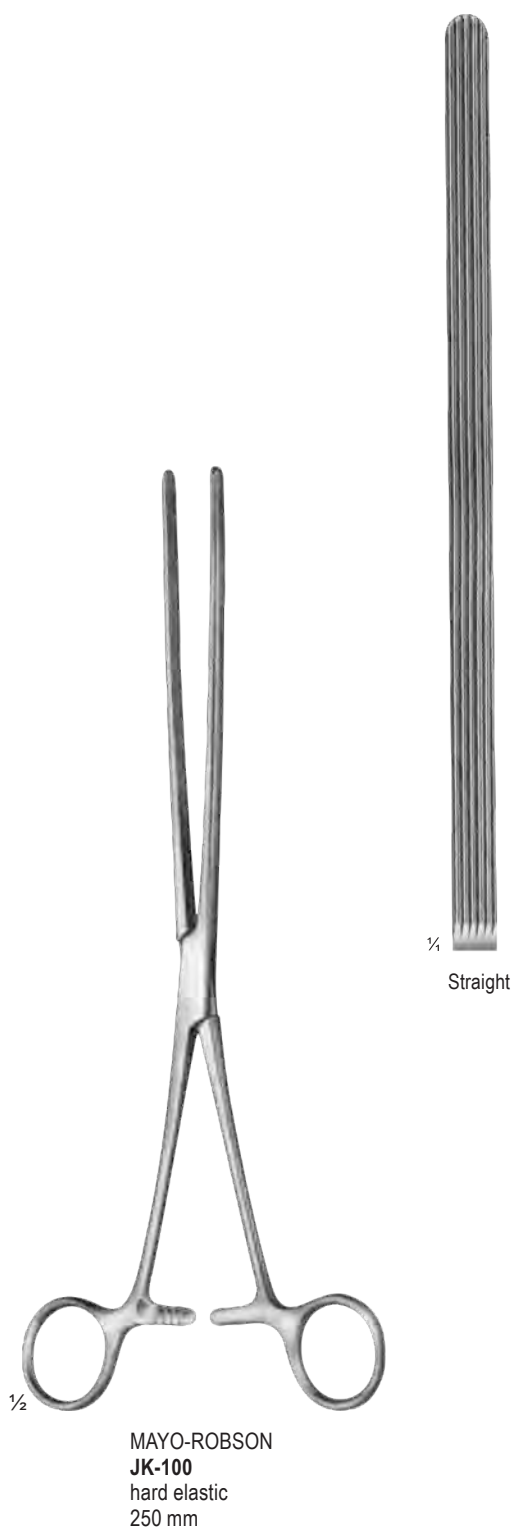
Straight



KOCHER
with very elastic blades
JK-097 - JK-099
JK-097 22 cm
JK-098 25 cm
JK-099 28 cm

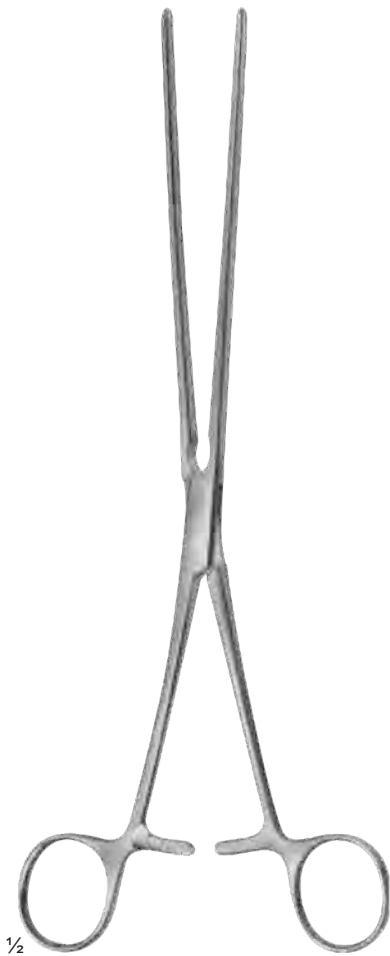


Curved

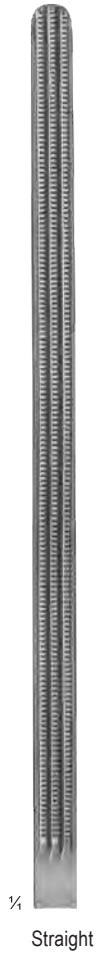




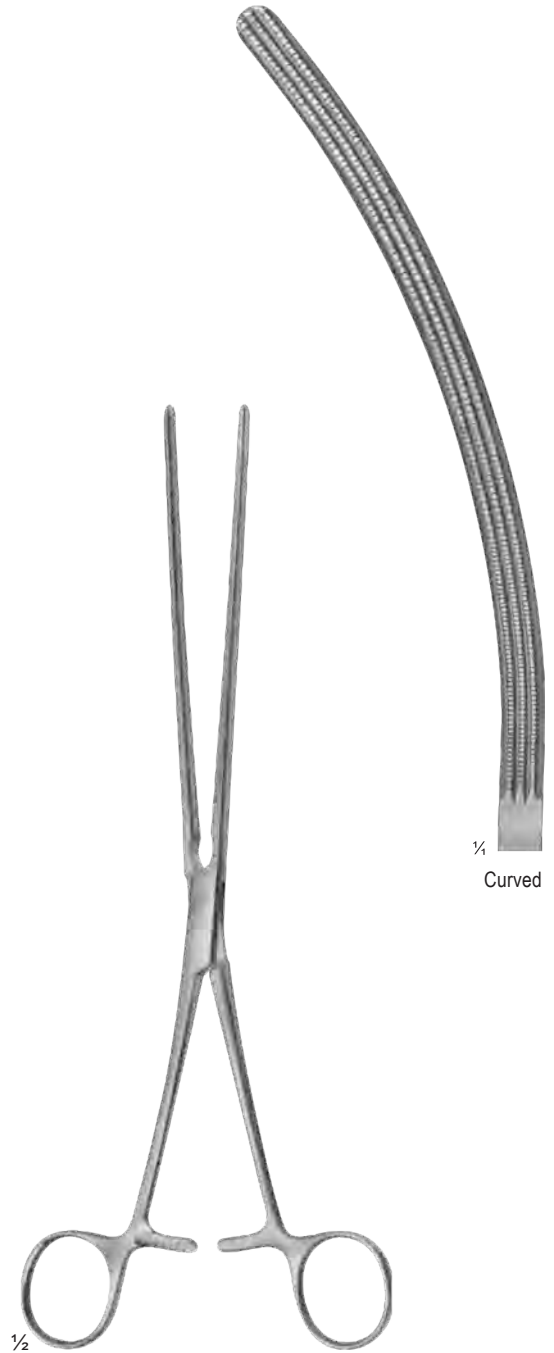
INTESTINAL CLAMPS



MAYO-ROBSON
JK-102
250 mm

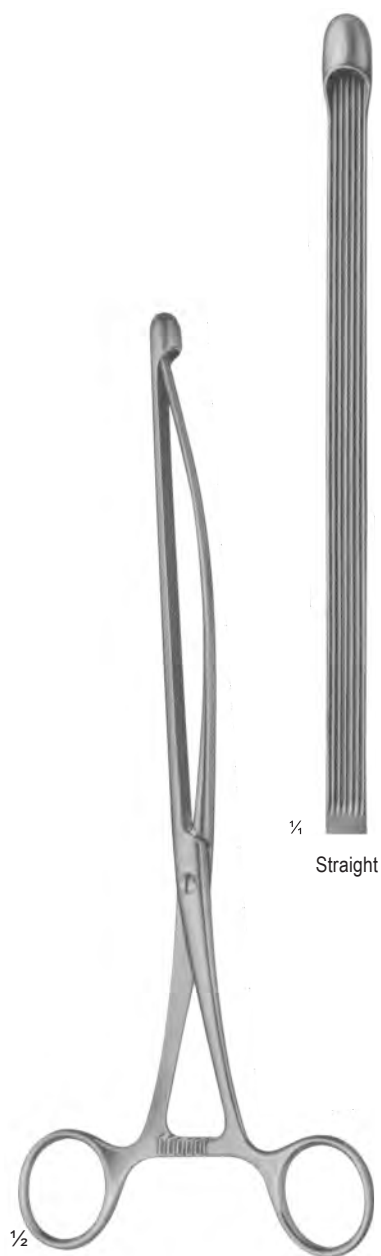


Straight



MAYO-ROBSON
JK-103
250 mm

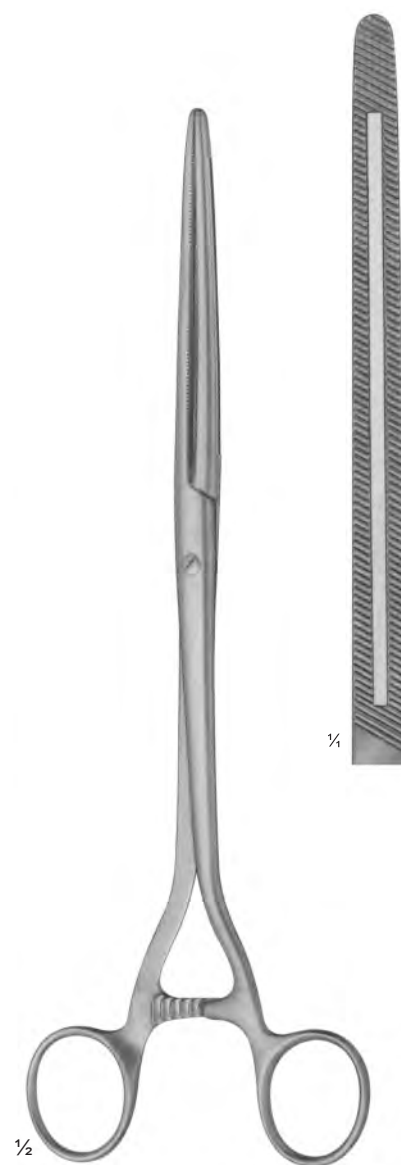
Curved



**NUSSBAUM
JK-104**
with elastic blades
250 mm



**NUSSBAUM
JK-105**
with elastic blades
250 mm



**MOYNIHAN
JK-106**
280 mm

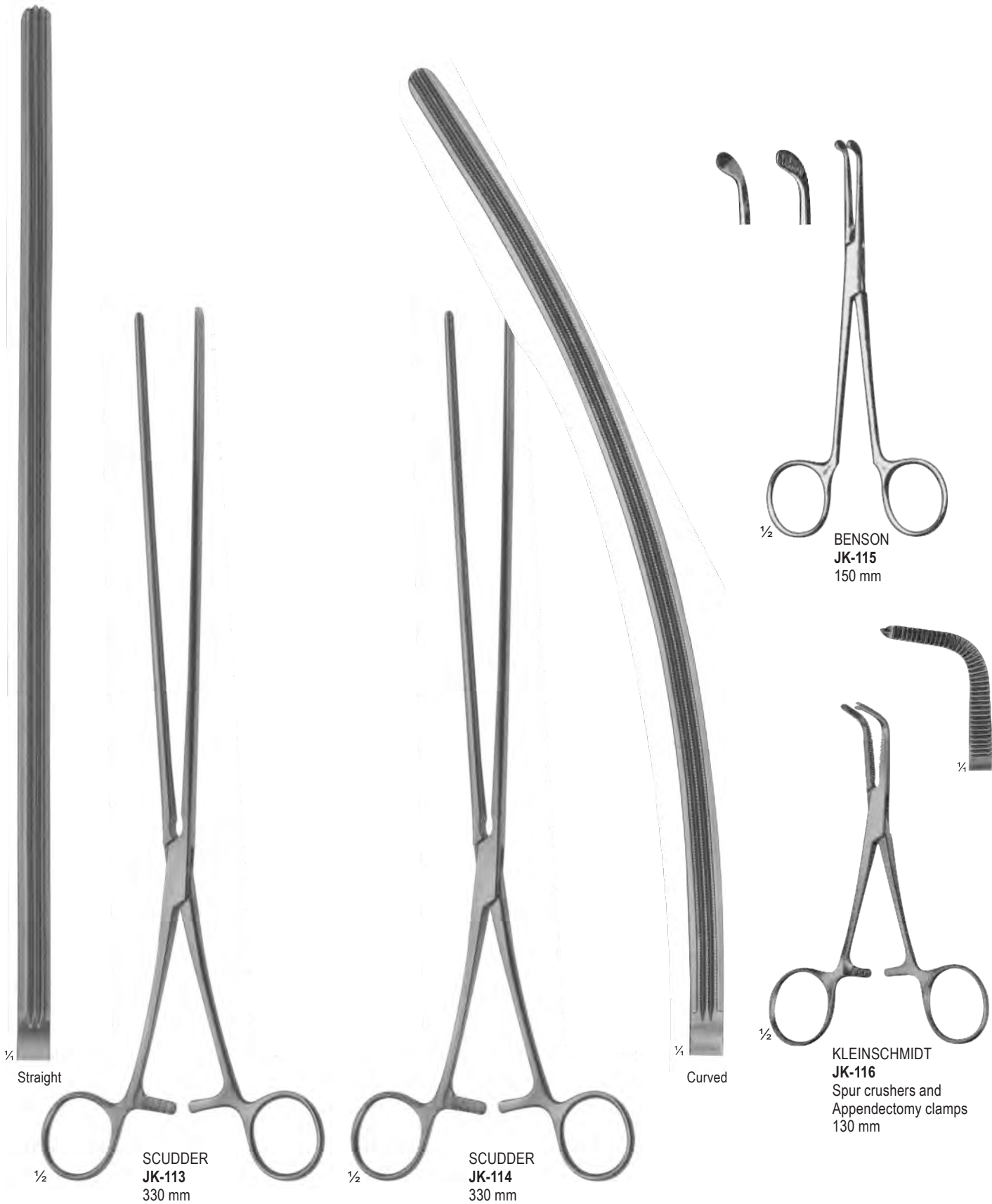
SIGMOID ANASTOMOSIS FORCEPS



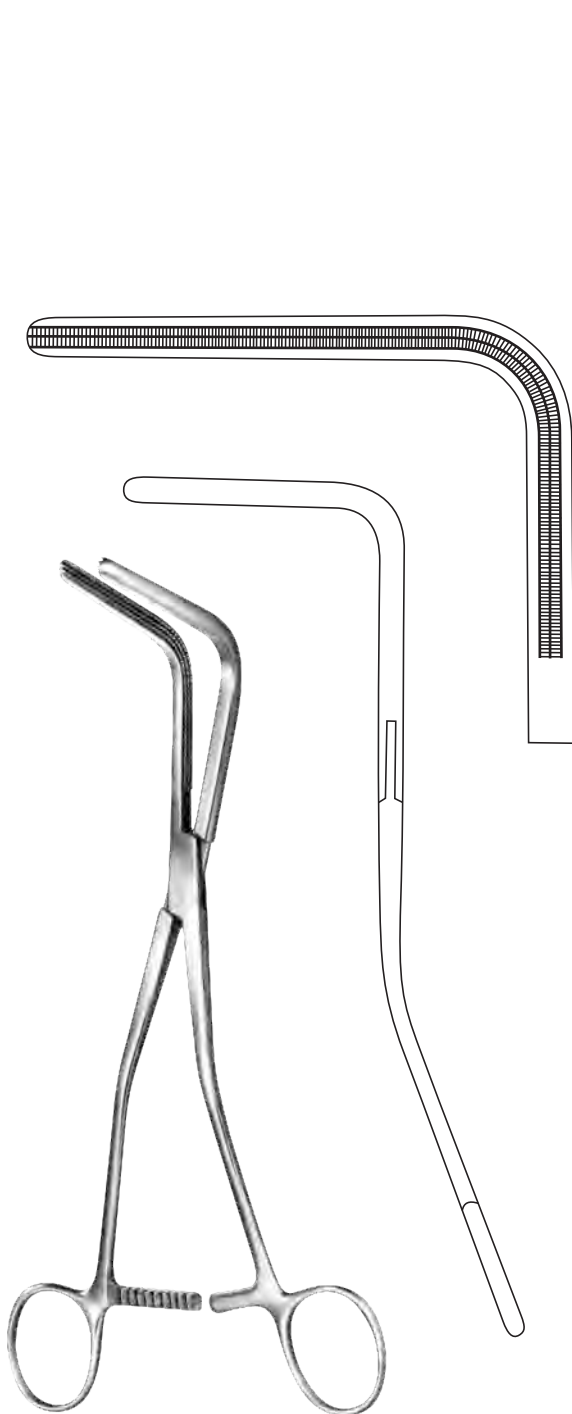
**PARKER-KERR
JK-107**
anastomosis forceps
for colon resection
180 mm

DICK
pressure clamps
JK-108 - JK-111
JK-108 180 mm
JK-109 255 mm
JK-110 265 mm
JK-111 275 mm

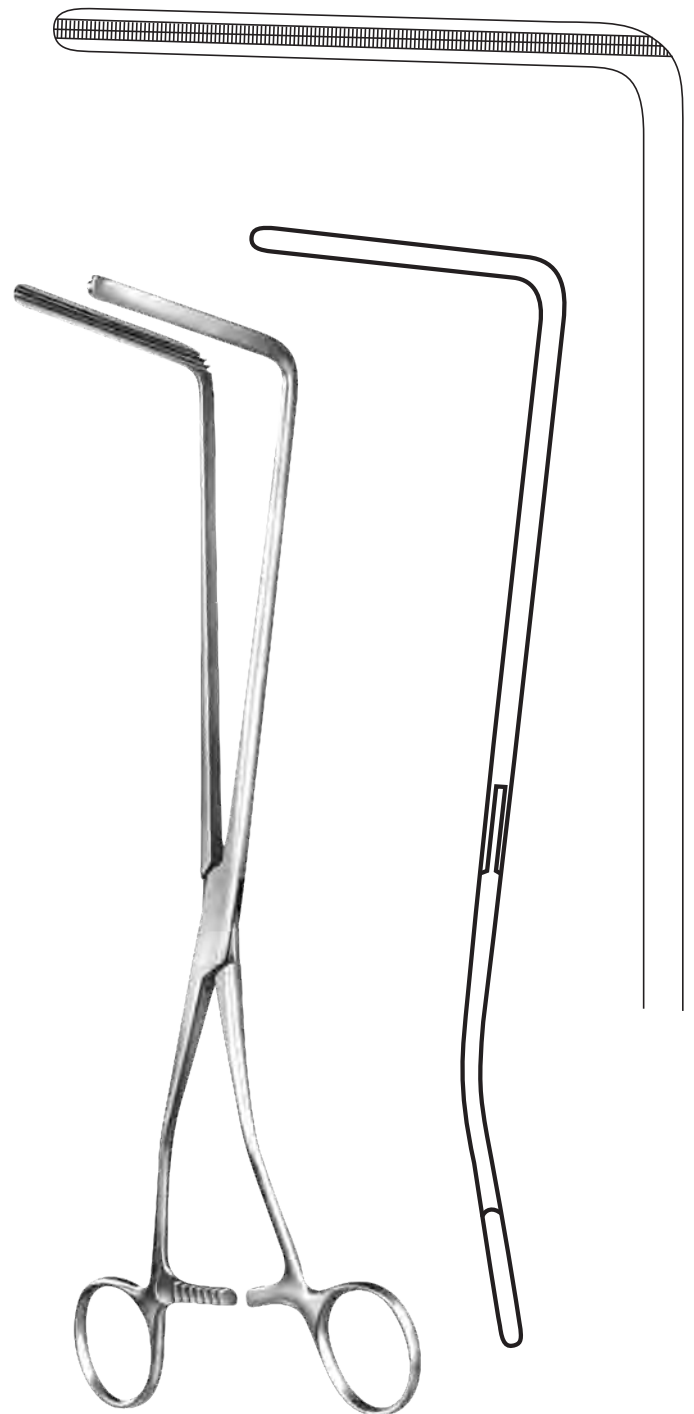
**LLOYD-DAVIS
JK-112**
315 mm



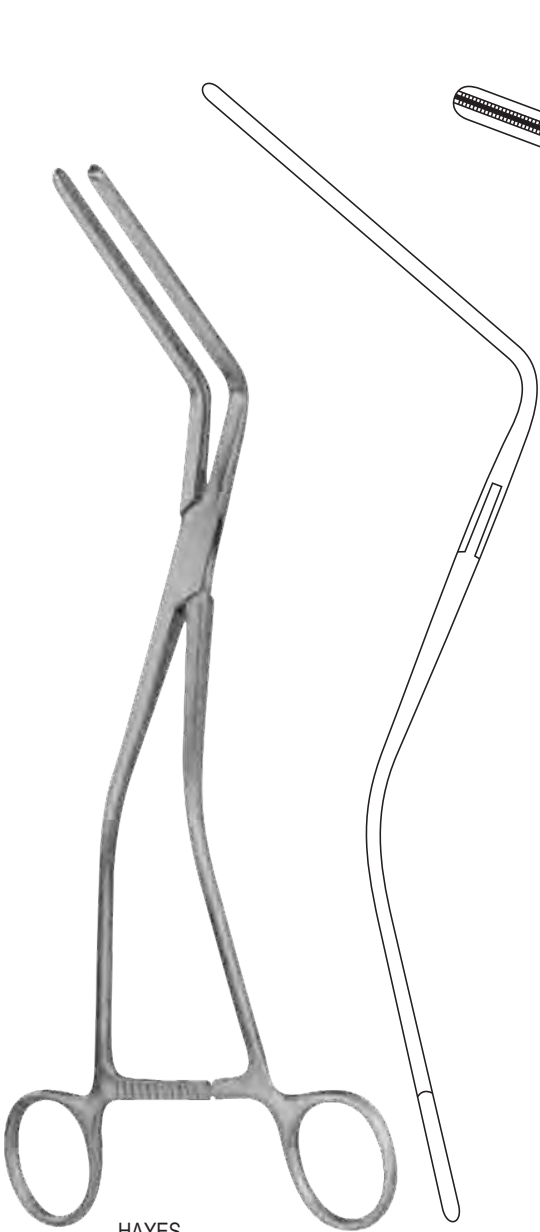
INTESTINAL CLAMPS



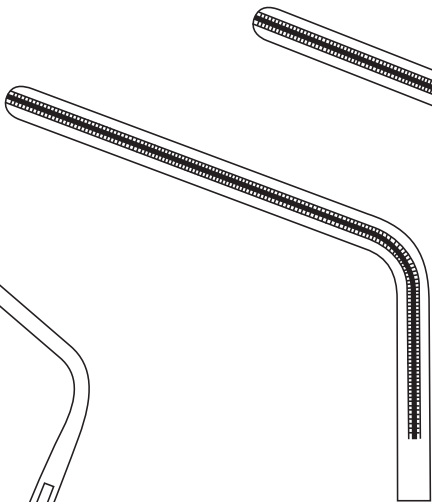
VEIDENHEIMER
JK-117
250 mm



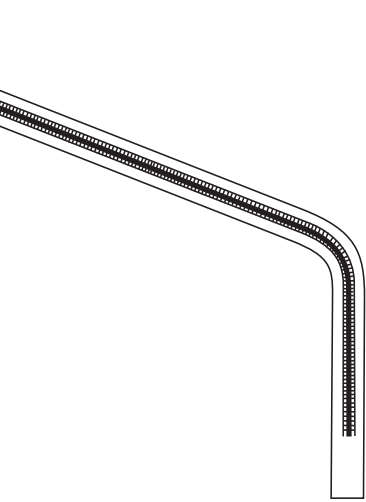
RESANO
JK-118
280 mm



HAYES-
~~DEBAKEY~~
JK-120



JK-119
260 mm
55 mm

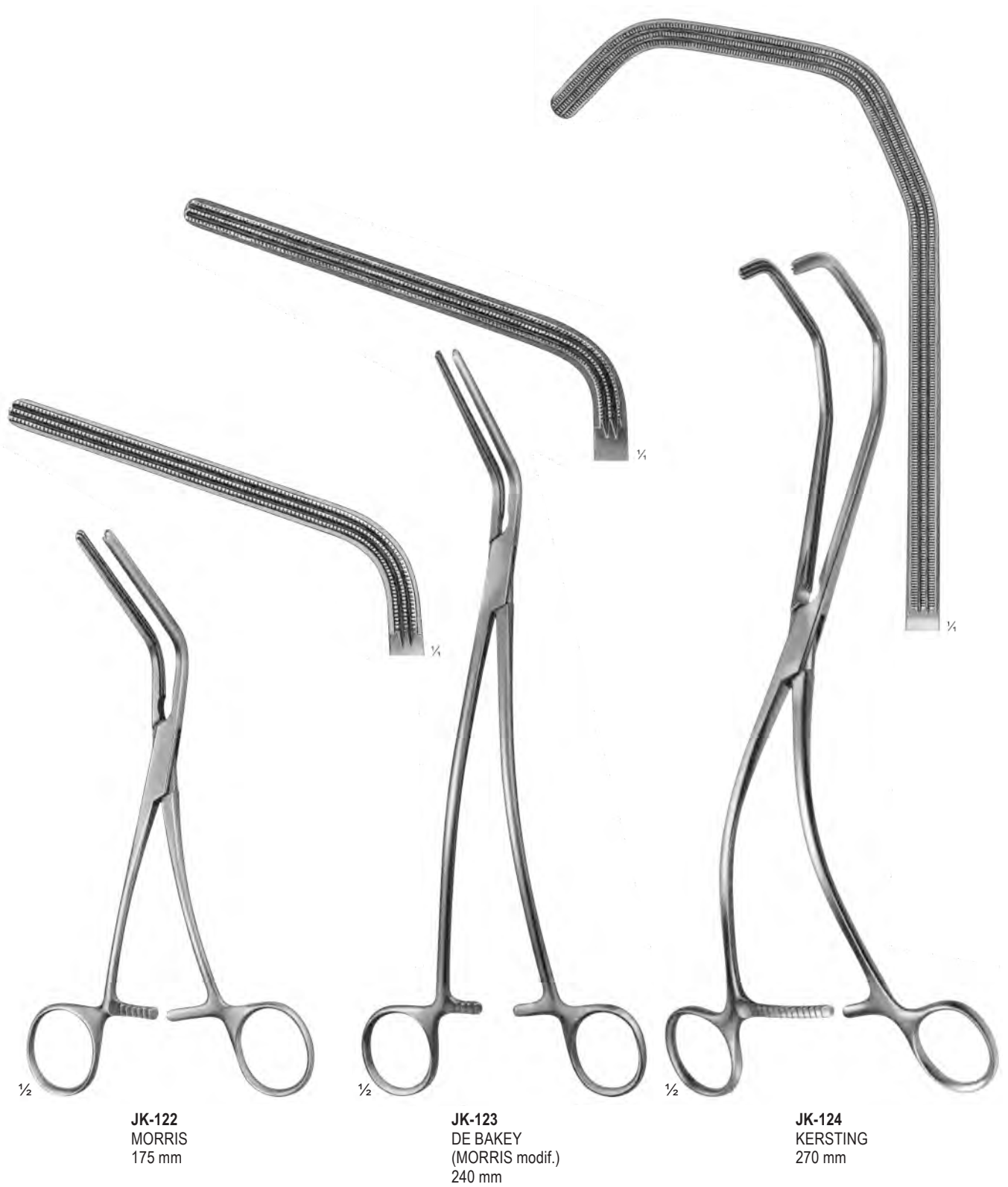


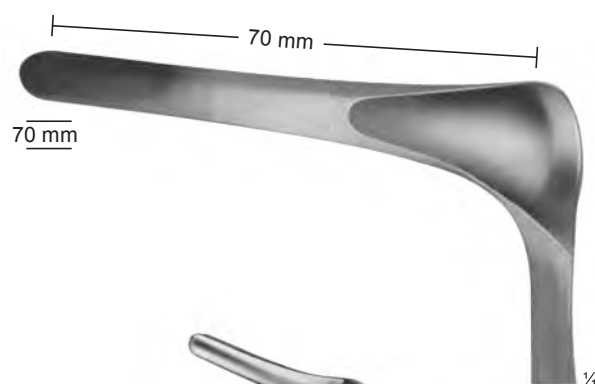
JK-120
280 mm
85 mm



FEHLAND-DEBAKEY
JK-121
240 mm

SIGMOID ANASTOMOSIS FORCEPS





JK-125
KILLIAN
for children
145 mm

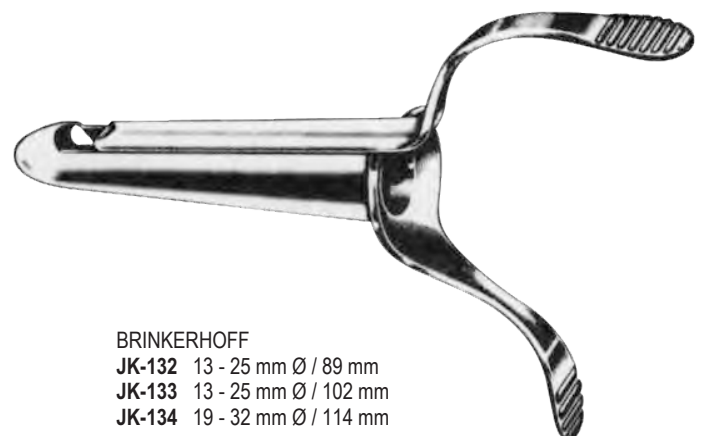


JK-126
SIMS
160 mm



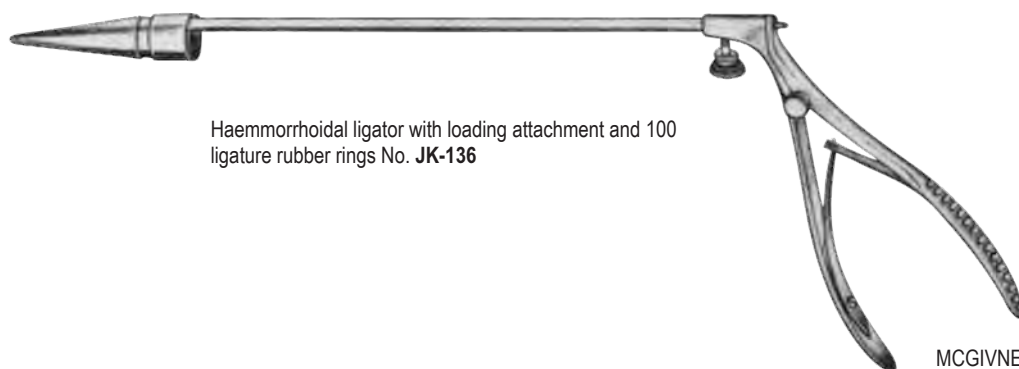
JK-127
SIMS
160 mm

INTESTINAL AND PYLORUS CLAMPS

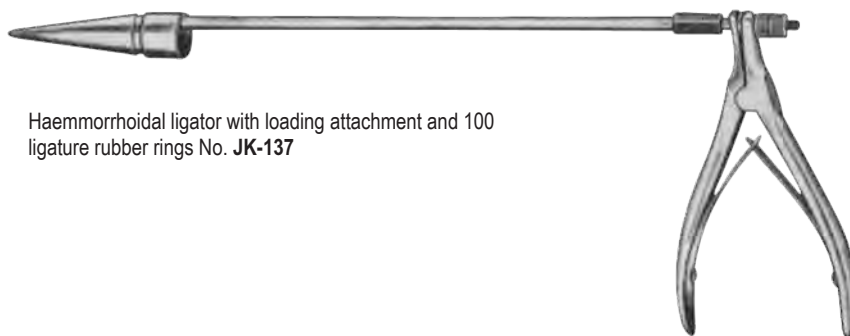




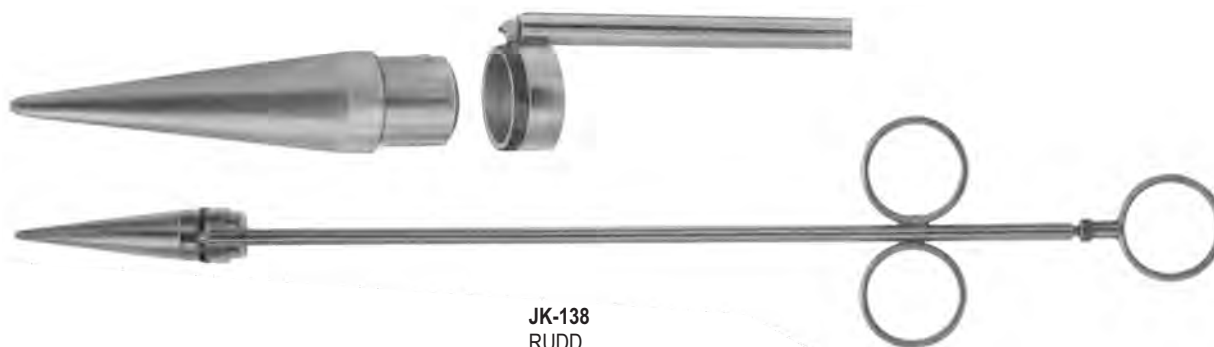
MCGIVNEY
JK-135
190 mm



MCGIVNEY
JK-136



FORD-DIXON
JK-137

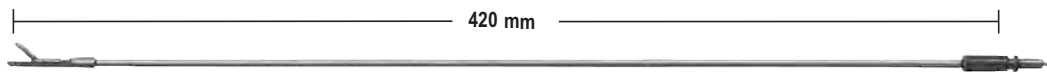


JK-138
RUDD
Haemorrhoidal ligator
with loading
attachment and 100
ligature rubber rings
315 mm



RUDD
JK-139
100 pieces

BIOPSY FORCEPS AND SWAB HOLDERS



3.5 mm



3.5 mm



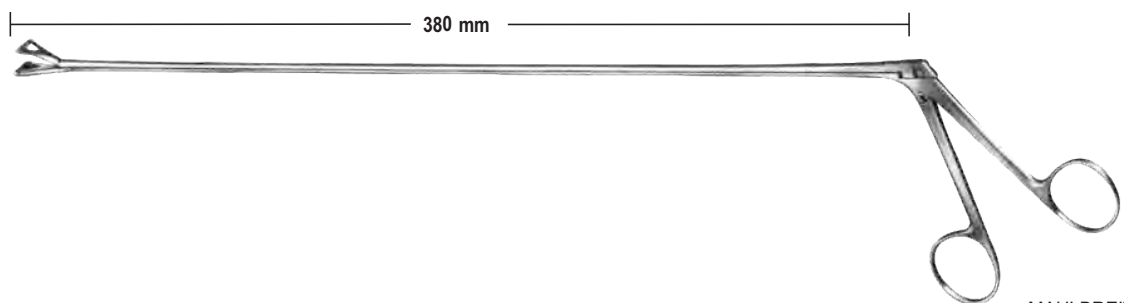
4 mm



4 mm



JK-140 - JK-143
Handle for 265 - 266 - 267 - 268



MAULBREITE
JAW WIDTH
JK-144
380 mm
15 mm



BUIE
JK-145
160 mm



PRATT
JK-146 - JK-148
215 mm



Fig. 1
JK-146

Fig. 2
JK-147

Fig. 3
JK-148



JK-149
12 pieces / 12 piezas

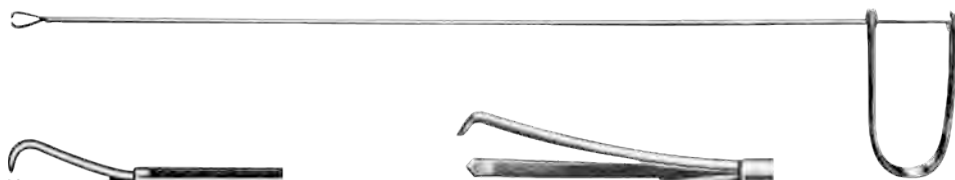
WESTON
JK-150
300 mm



NORWOOD
JK-151
300 mm



BUIE
JK-152
300 mm



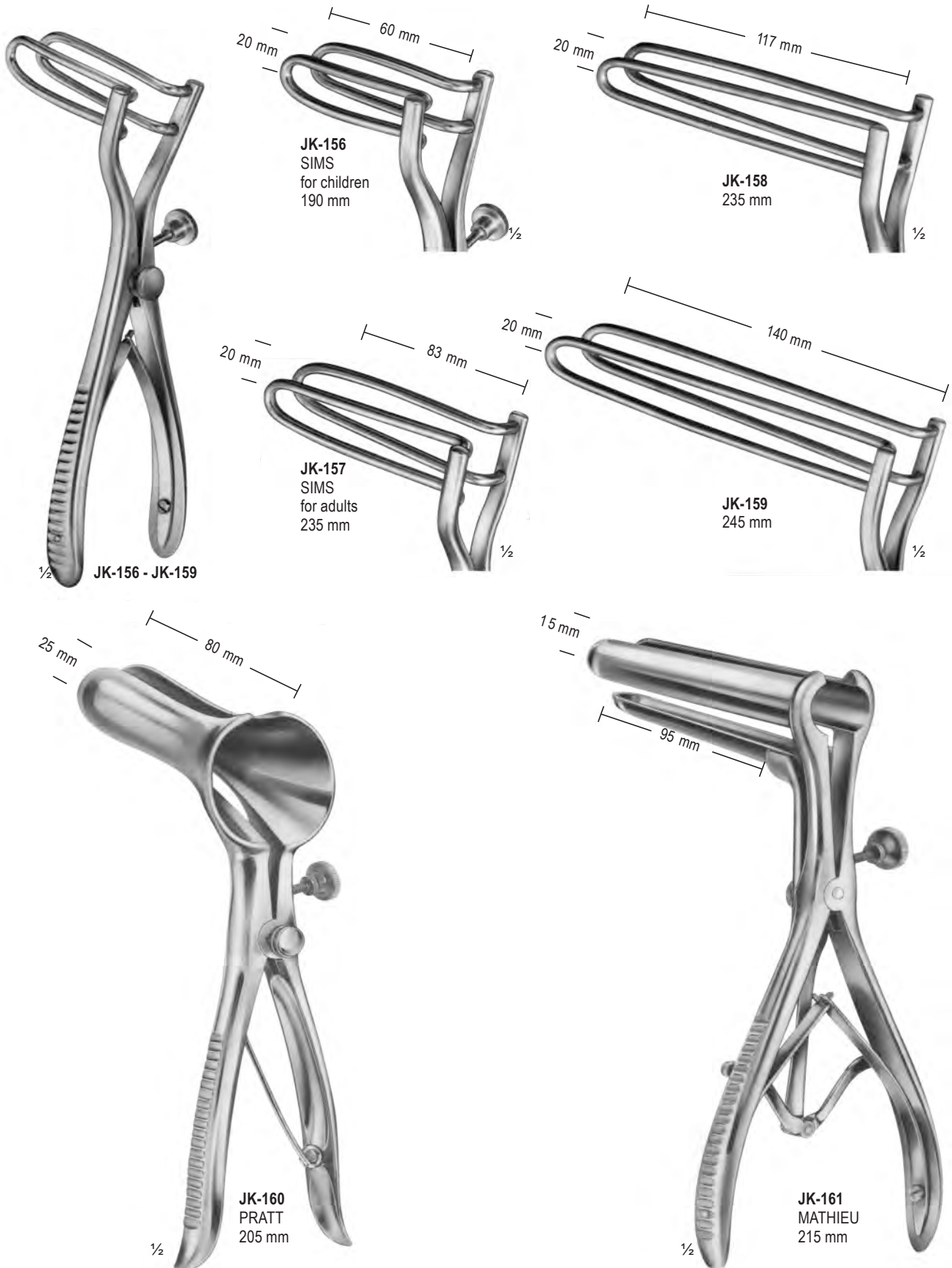
JK-153
380 mm

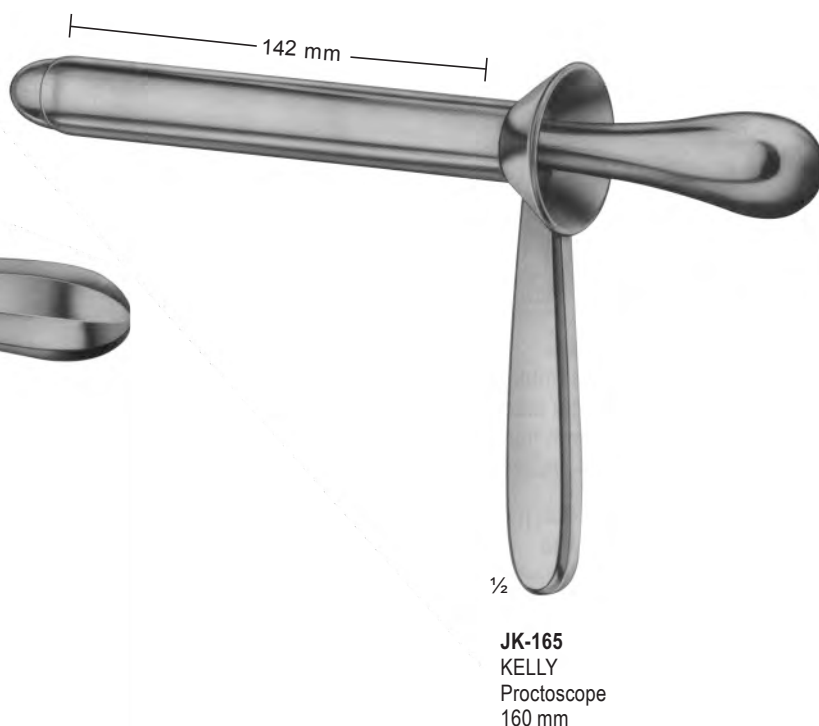
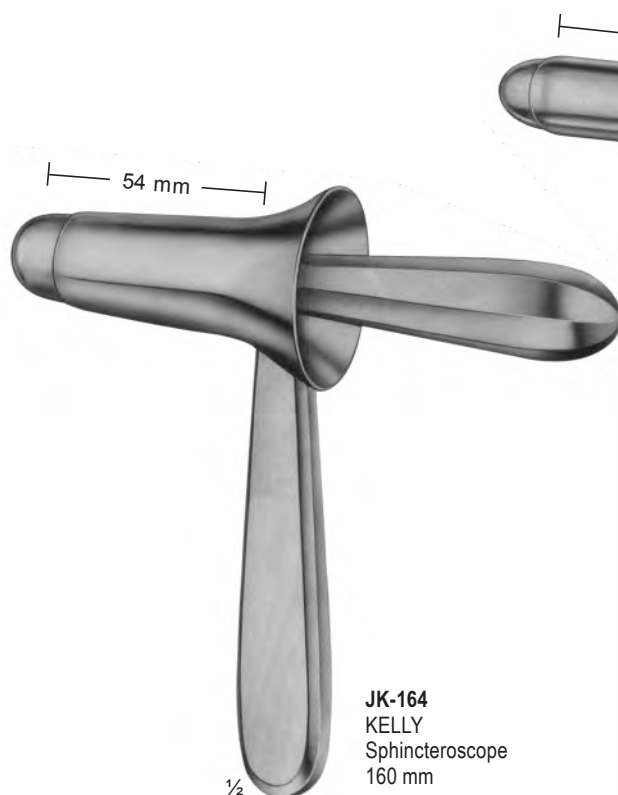
JK-154
380 mm



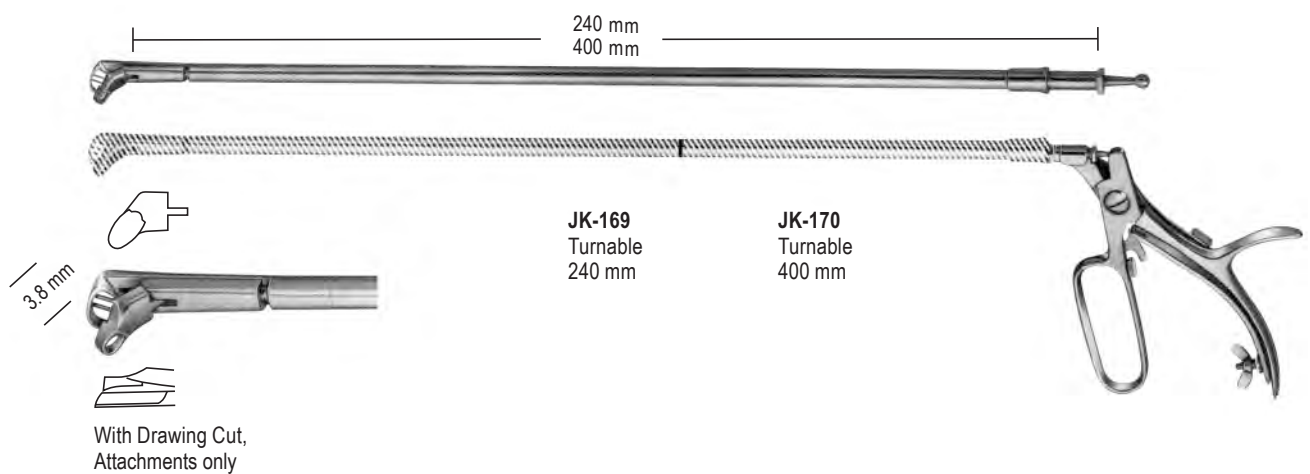
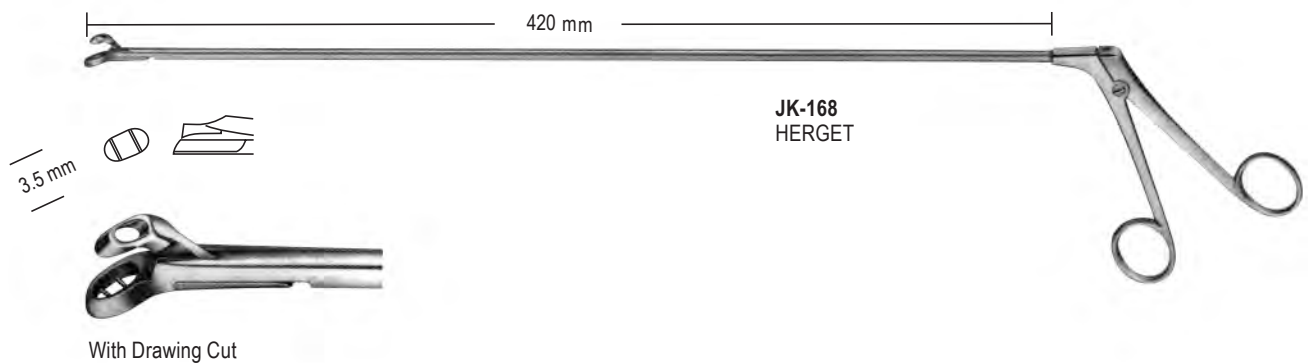
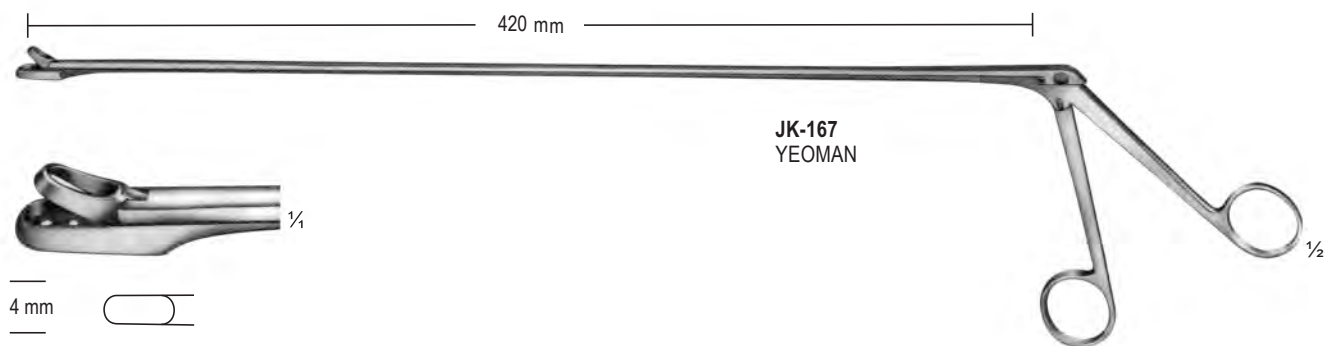
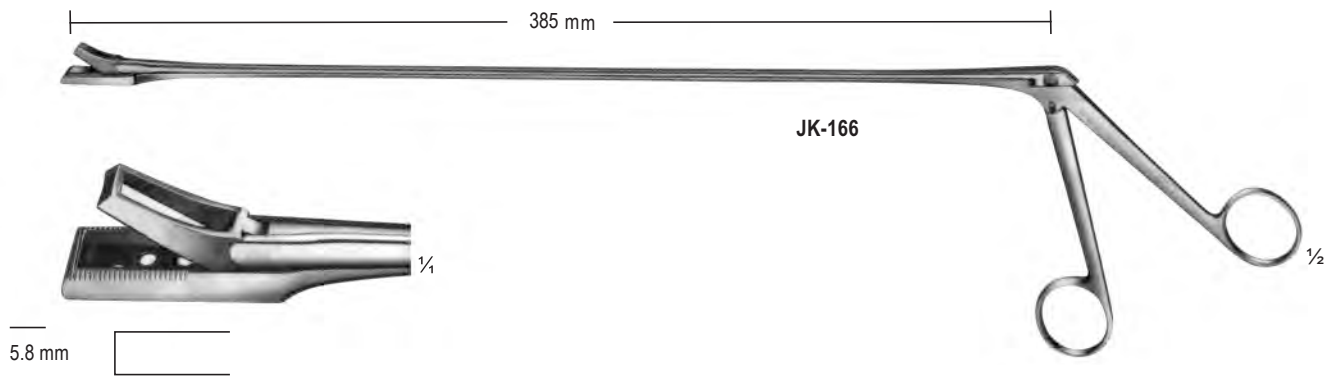
KATZENSTEIN
JK-155
90 mm

RECTAL SPECULA





BIOPSY FORCEPS FOR RECTUM





JK-171
LOWER
180 mm



JK-172
LAHEY (SWEET)
190 mm



JK-173
LAHEY
220 mm



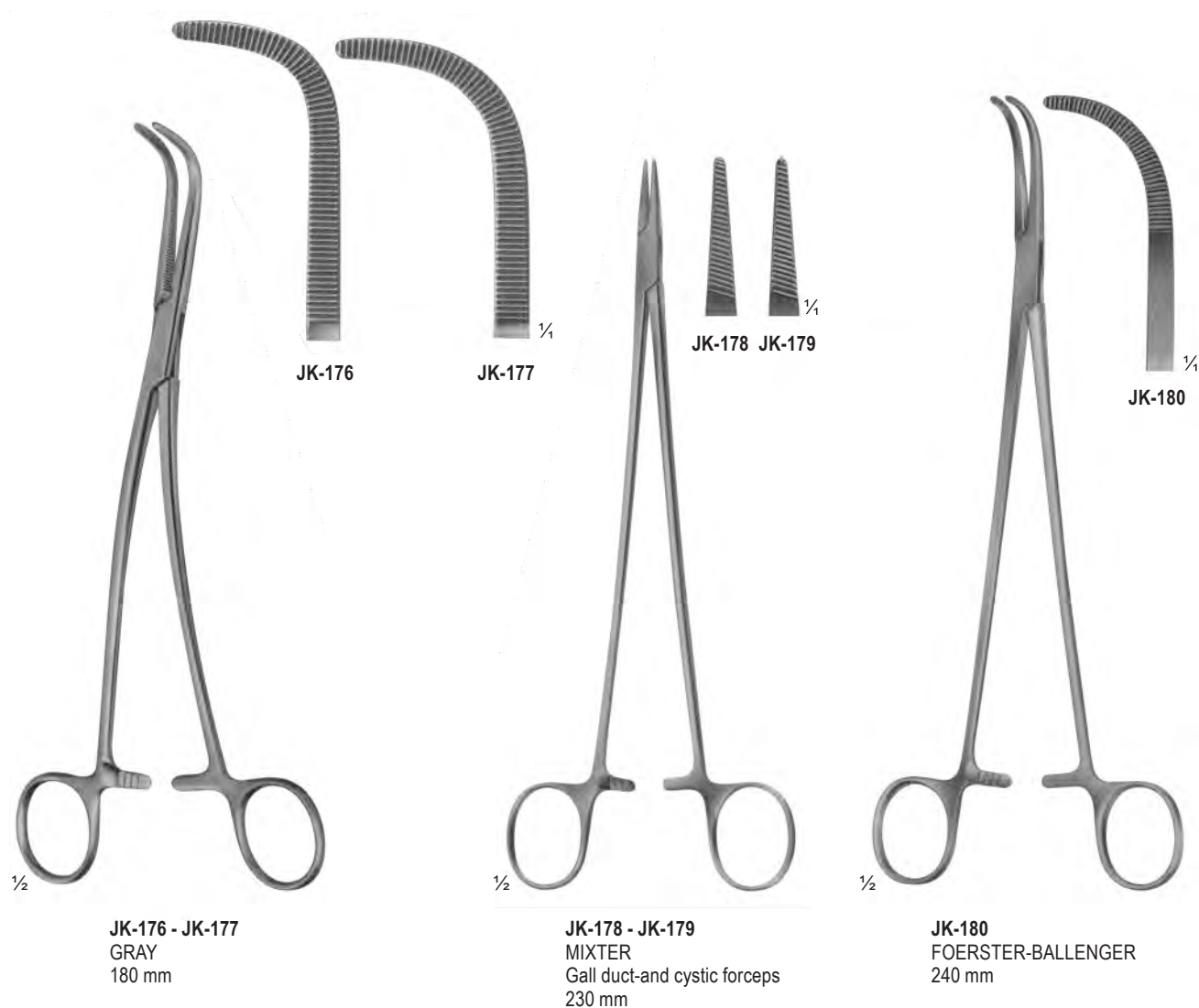
GALL DUCT FORCEPS



JK-174
DESJARDINS
Gall duct-and cystic forceps
210 mm

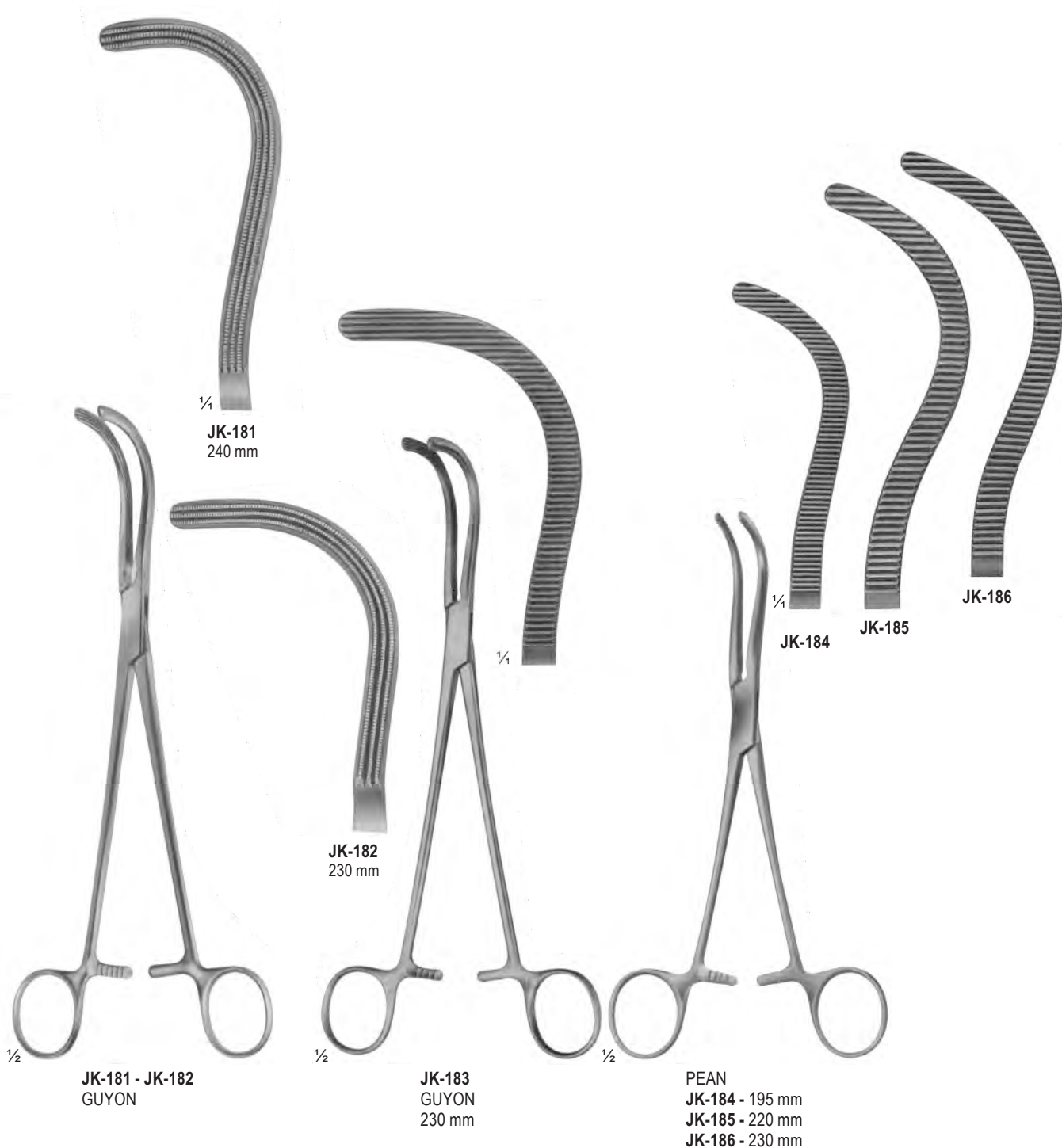


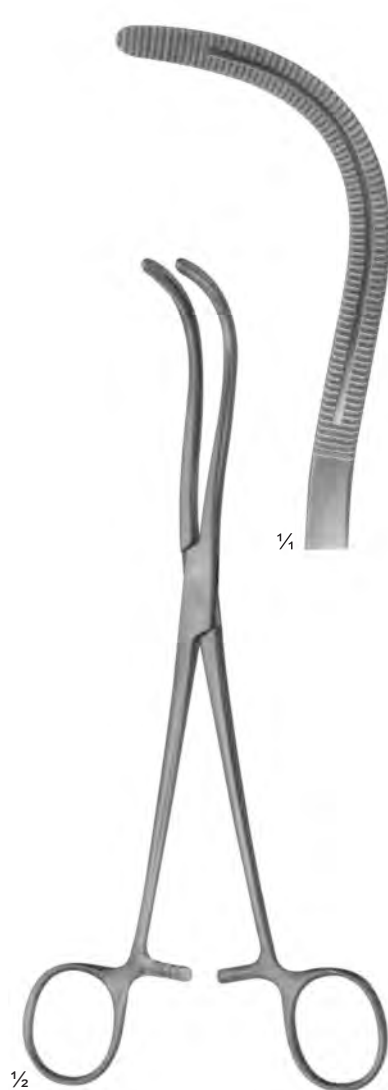
JK-175
NISSEN
Gall duct-and cystic forceps
215 mm



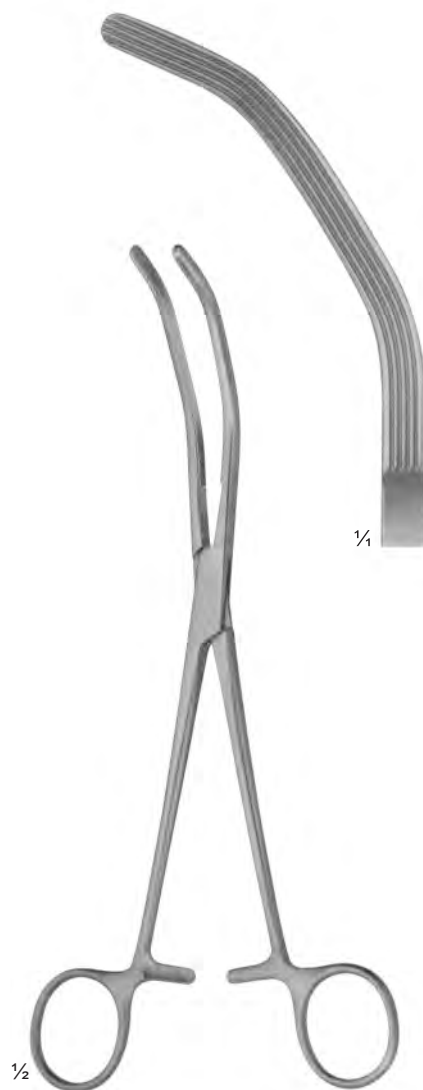


KIDNEY CLAMPS





JK-187
STILLE
220 mm



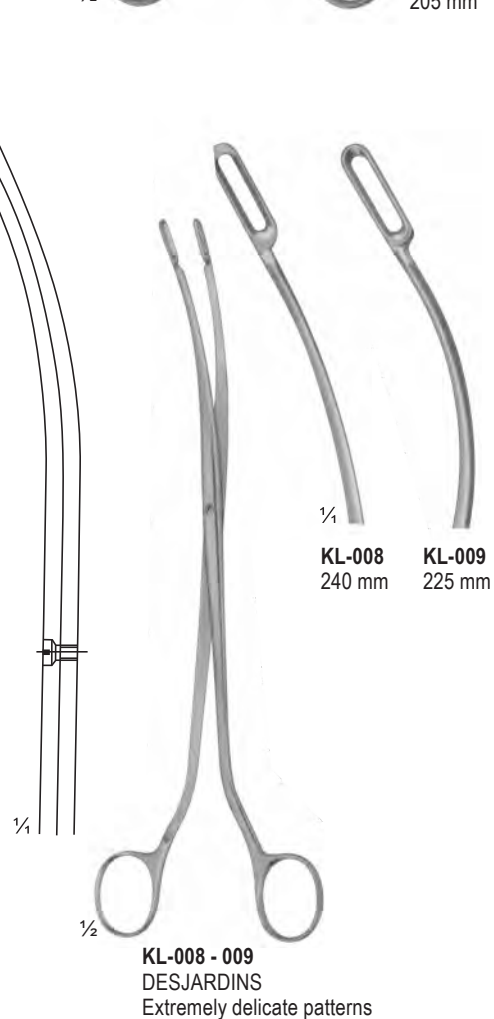
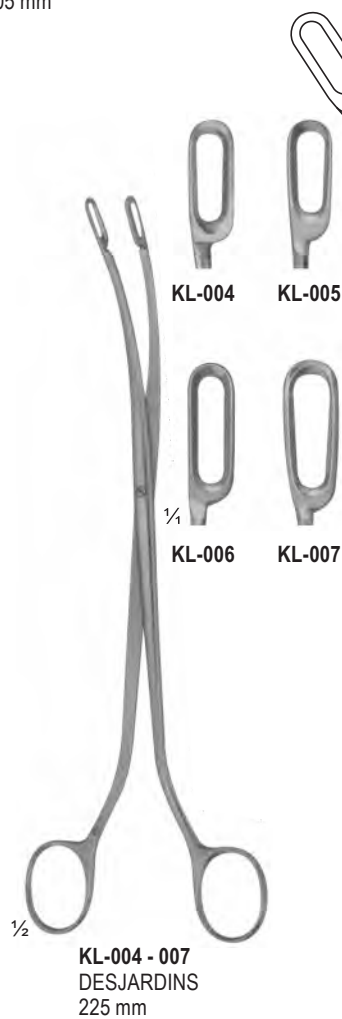
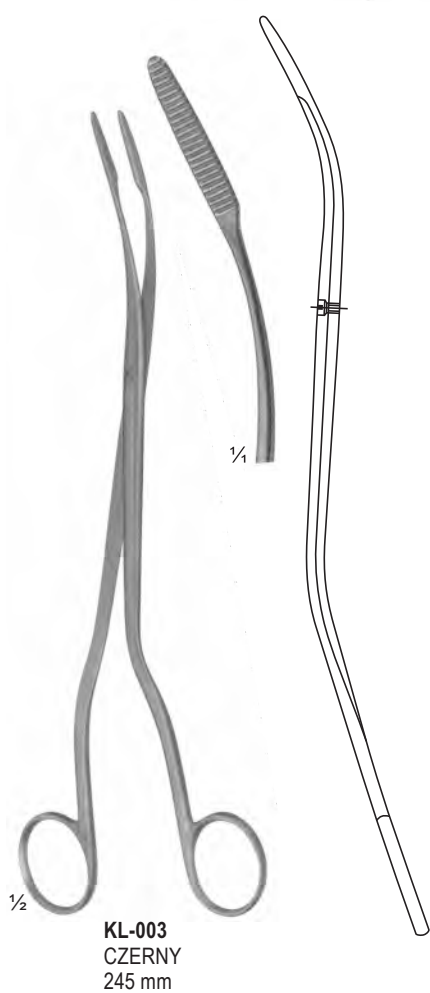
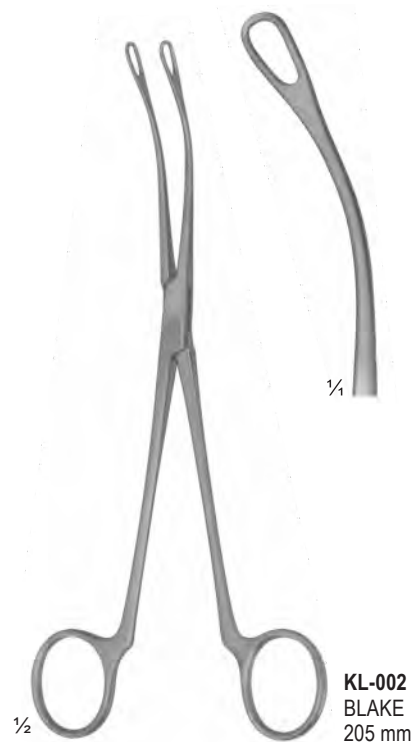
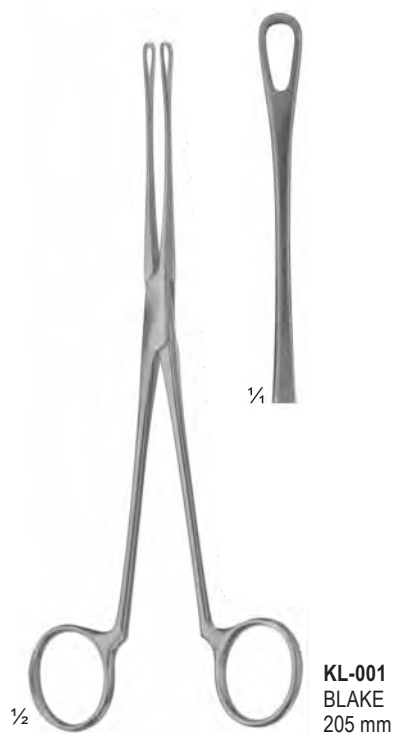
JK-188
HERRICK
225 mm



JK-189
WERTHEIM
225 mm

Page 251–265

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





KIDNEY STONE FORCEPS



KL-010



KL-011



KL-012



$\frac{1}{4}$
KL-013



$\frac{1}{2}$

KL-010 - 013
RANDALL
225 mm



KL-014



KL-015

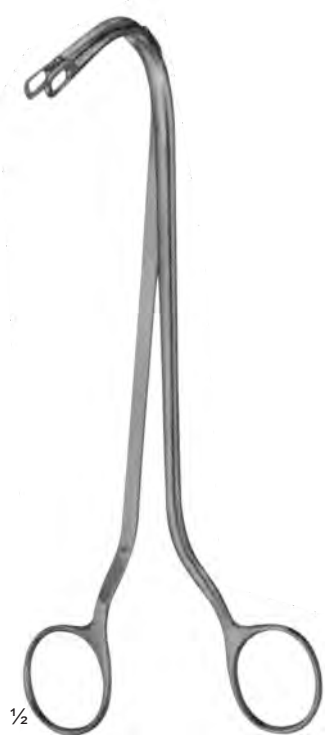
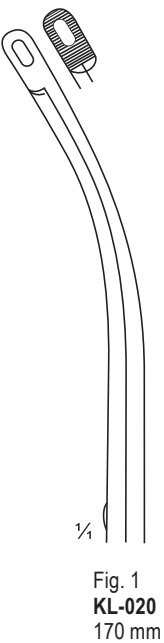
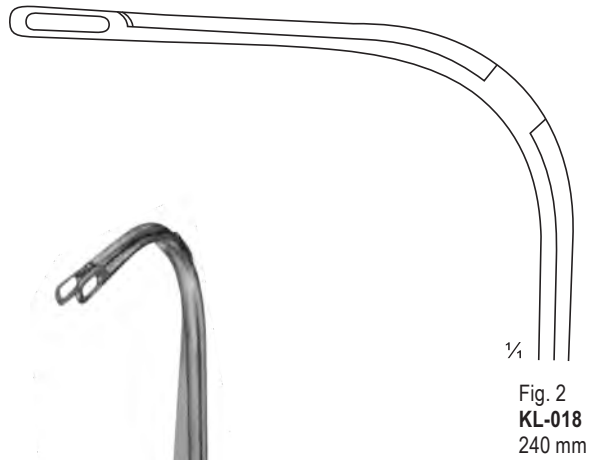
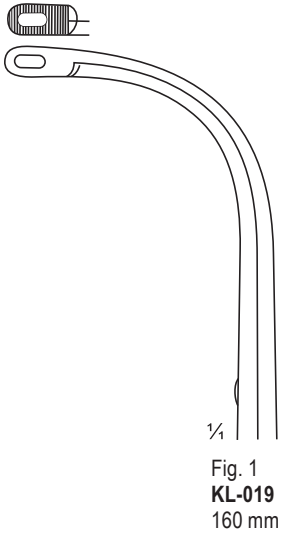
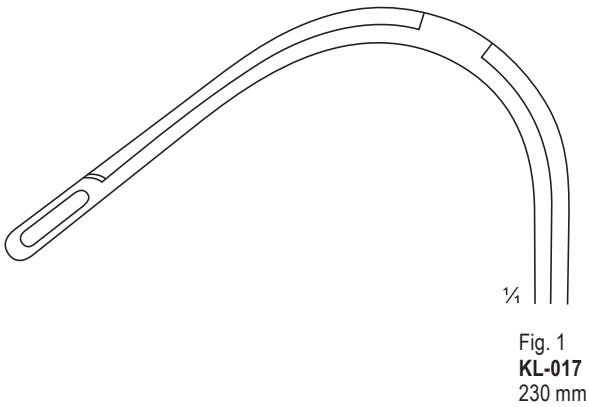


$\frac{1}{4}$
KL-016



$\frac{1}{2}$

KL-014 - 016
RANDALL
190 mm



RANDALL
KL-017 - 018



HEIMING
KL-019 - 020



NEPHROSTOMY FORCEPS

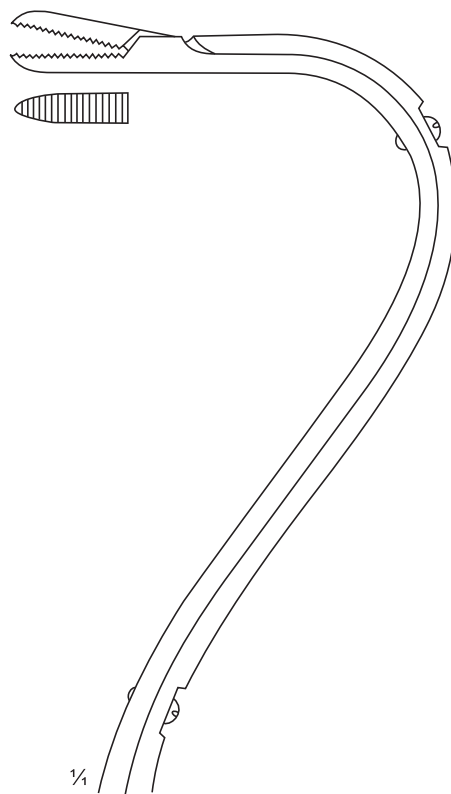


Fig. 1
KL-021

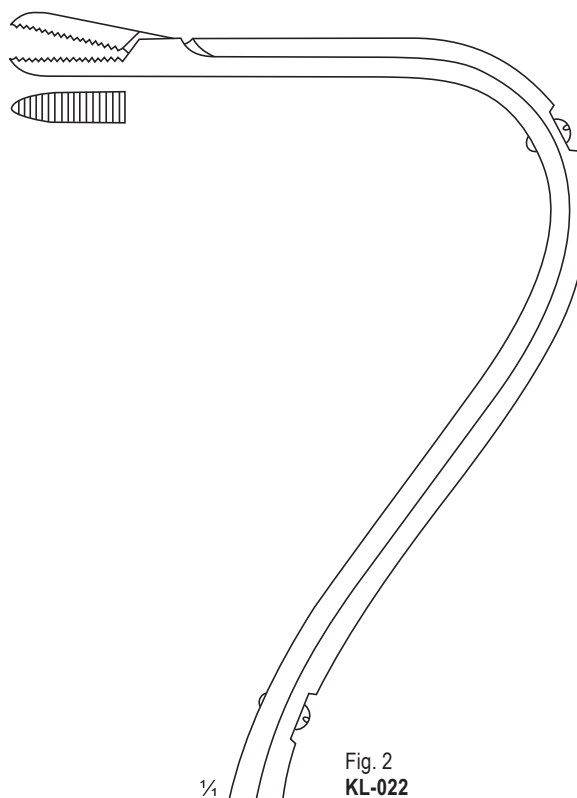
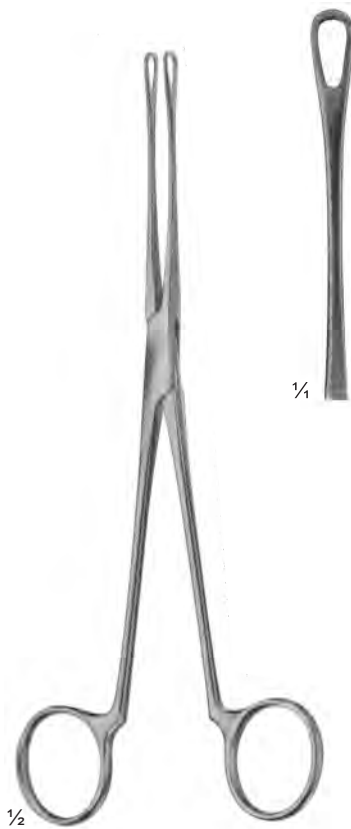
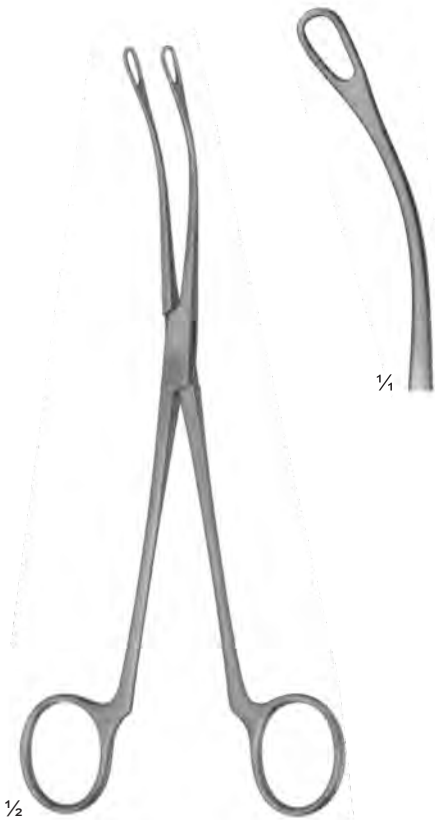


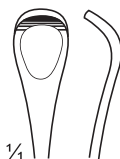
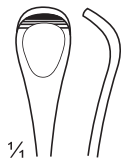
Fig. 2
KL-022



**BLAKE
KL-023**
205 mm



**BLAKE
KL-024**
205 mm



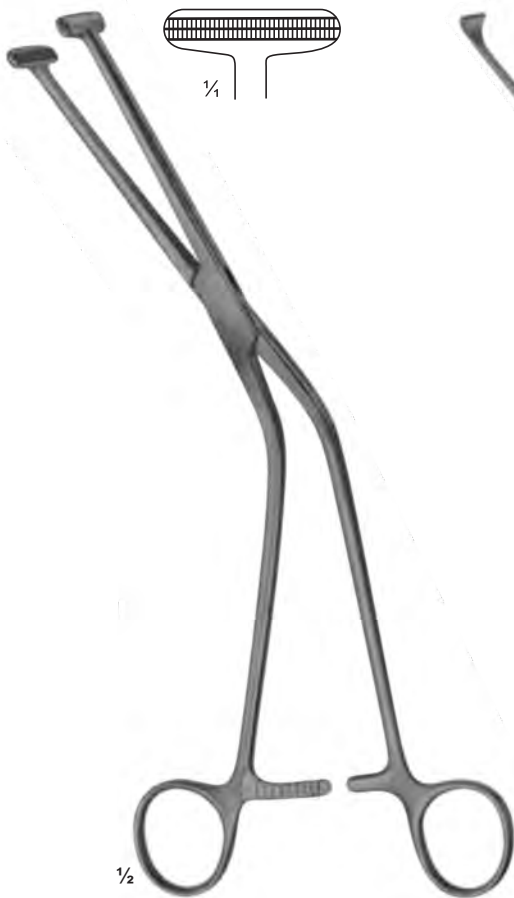
**MAYO-BLAKE
KL-025**
210 mm



**MAYO-BLAKE
KL-026**
210 mm

GALL STONE, CAPSULE FORCEPS

ATRAUMA



MILLIN
Lobe grasping forceps
KL-027
235 mm

ATRAUMA



MILLIN
Lobe grasping forceps
KL-028
245 mm



MILLIN
Ligature holding forceps
KL-029
245 mm



LEGUEU
KL-030
270 mm



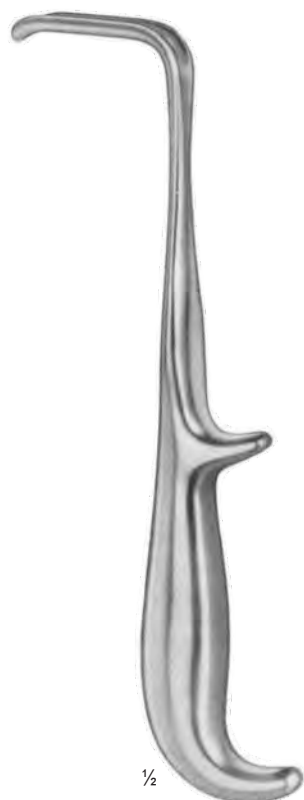
KOCHER
KL-031
260 mm



KOCHER
KL-032
260 mm



PROSTATIC RETRACTORS



YOUNG
KL-033
210 mm



YOUNG
KL-034
220 mm



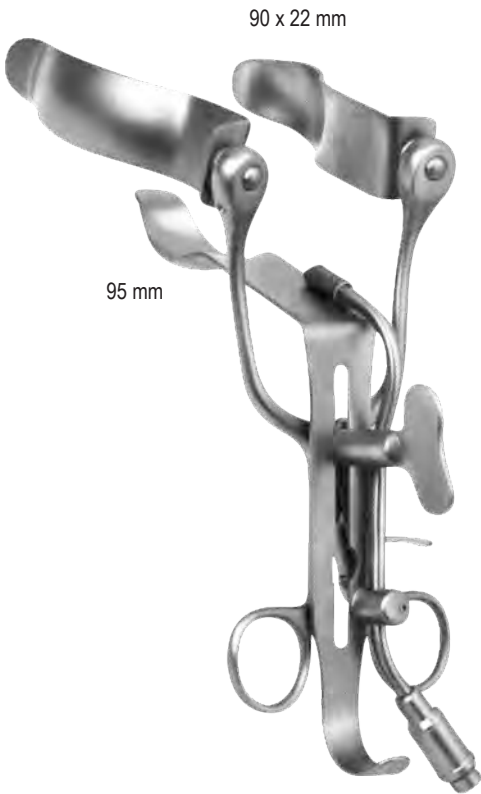
YOUNG
KL-035
210 mm



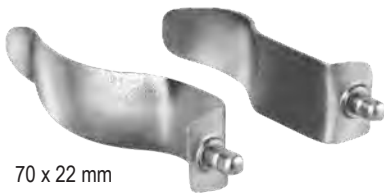
YOUNG
KL-036
220 mm



SPERMATIC
KL-037
160 mm



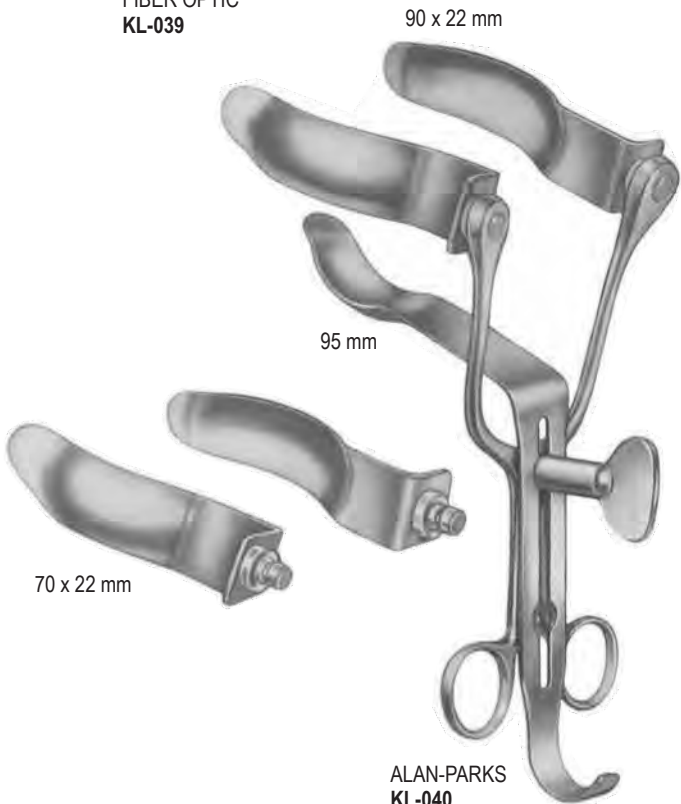
ALAN-PARKS
KL-038
150 mm



70 x 22 mm

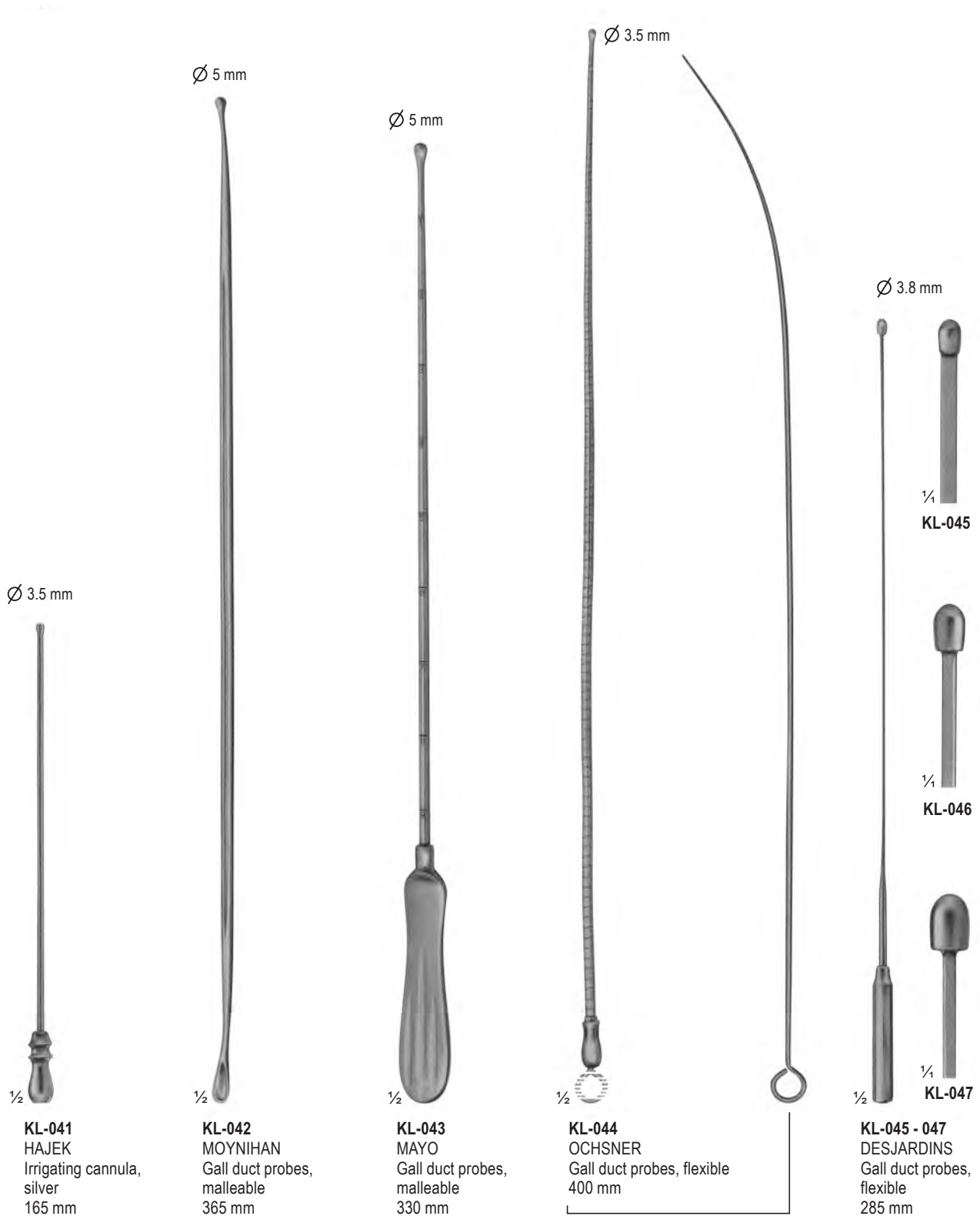


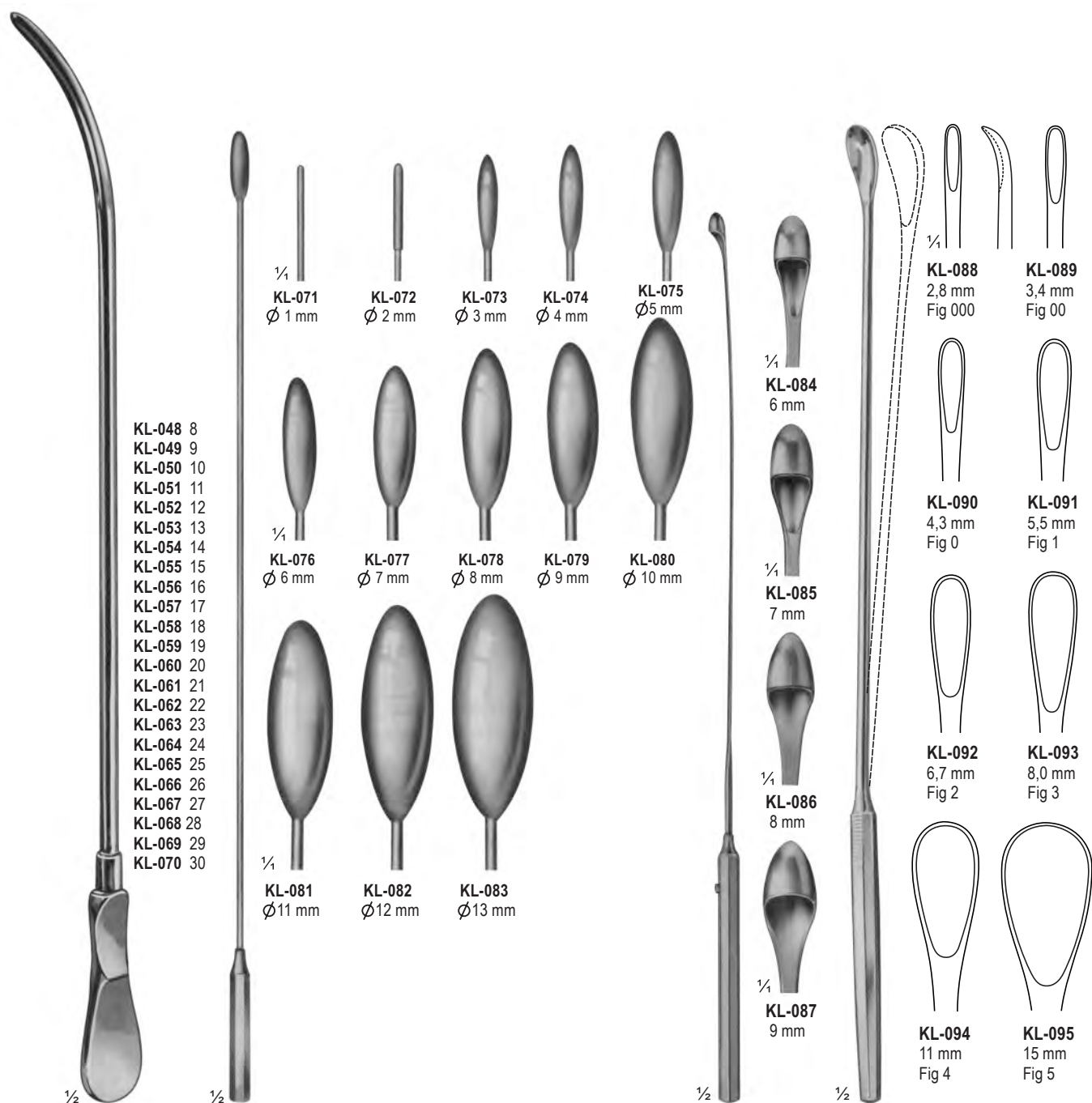
FIBER OPTIC
KL-039



ALAN-PARKS
KL-040
150 mm

GALL DUCT PROBES







BLADDER RETRACTORS



Legueu
KL-096
Center blade
80 x 31 mm



Judd-Masson
KL-097
Spreading
120 mm

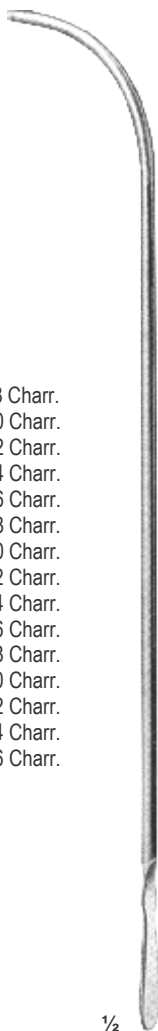


Judd-Masson
KL-098
Self-retaining with swivel blade 70 x 25 mm
and center blade 70 mm deep
opening 10 cm



Judd-Masson
KL-099
Self-retaining with swivel blade,
cross bar 16.8 cm, Blade depth 6.9 cm.
Arm length 13 cm

1/4



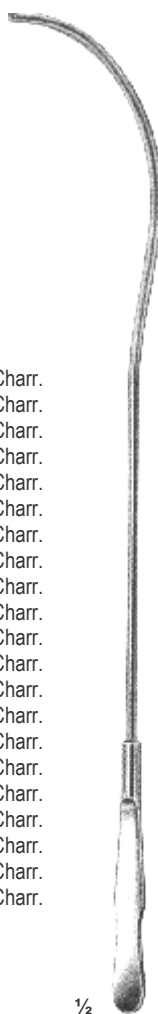
KL-100 8 Charr.
KL-101 10 Charr.
KL-102 12 Charr.
KL-103 14 Charr.
KL-104 16 Charr.
KL-105 18 Charr.
KL-106 20 Charr.
KL-107 22 Charr.
KL-108 24 Charr.
KL-109 26 Charr.
KL-110 28 Charr.
KL-111 30 Charr.
KL-112 32 Charr.
KL-113 34 Charr.
KL-114 36 Charr.

1/2

Van Buren
KL-100 - 114
27 cm

KL-100-114
complete set, 8 - 36 Charrière

1/4



KL-115 10 Charr.
KL-116 11 Charr.
KL-117 12 Charr.
KL-118 13 Charr.
KL-119 14 Charr.
KL-120 15 Charr.
KL-121 16 Charr.
KL-122 17 Charr.
KL-123 18 Charr.
KL-124 19 Charr.
KL-125 20 Charr.
KL-126 21 Charr.
KL-127 22 Charr.
KL-128 23 Charr.
KL-129 24 Charr.
KL-130 25 Charr.
KL-131 26 Charr.
KL-132 27 Charr.
KL-133 28 Charr.
KL-134 29 Charr.
KL-135 30 Charr.

1/2

Guyon
KL-115 - 135
26.5 cm

KL-115 - 135
complete set, 10 - 29 Charrière



KL-136 Ben. 24/Charr. 12
KL-137 Ben. 26/Charr. 13
KL-138 Ben. 28/Charr. 14
KL-139 Ben. 30/Charr. 15
KL-140 Ben. 32/Charr. 16
KL-141 Ben. 34/Charr. 17
KL-142 Ben. 36/Charr. 18
KL-143 Ben. 38/Charr. 19
KL-144 Ben. 40/Charr. 20
KL-145 Ben. 42/Charr. 21
KL-146 Ben. 44/Charr. 22
KL-147 Ben. 46/Charr. 23
KL-148 Ben. 48/Charr. 24
KL-149 Ben. 50/Charr. 25
KL-150 Ben. 52/Charr. 26
KL-151 Ben. 54/Charr. 27
KL-152 Ben. 56/Charr. 28
KL-153 Ben. 58/Charr. 29
KL-154 Ben. 60/Charr. 30

1/2

Guxon
KL-136 - 154
25.5 cm

Urethral bougies and dilating
sounds, without filiform guide,
with thread in tip

KL-136 - 154
complete set, 12 - 30 Charrière

CATHETERS

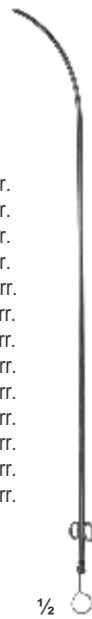
KL-155 6 Charr.
KL-156 10 Charr.
KL-157 12 Charr.
KL-158 14 Charr.
KL-159 16 Charr.



KL-155 - 159
 15 cm
 Metal Catheters, female

KL-155 - 159
 complete set, 6 - 16 Charrière

KL-160 6 Charr.
KL-161 7 Charr.
KL-162 8 Charr.
KL-163 9 Charr.
KL-164 10 Charr.
KL-165 11 Charr.
KL-166 12 Charr.
KL-167 13 Charr.
KL-168 14 Charr.
KL-169 15 Charr.
KL-170 16 Charr.
KL-171 18 Charr.
KL-172 20 Charr.



KL-160 - 172
 16 cm
 Metal Catheters, female

KL-160 - 172
 complete set, 6 - 20 Charrière



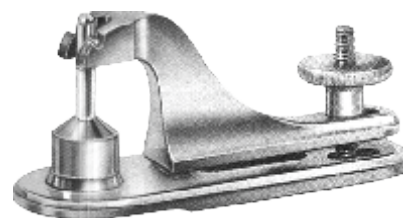
Guyon
KL-173
 36.5 cm
 Catheter guide (introducer)

KL-174
 39 cm
 Straight



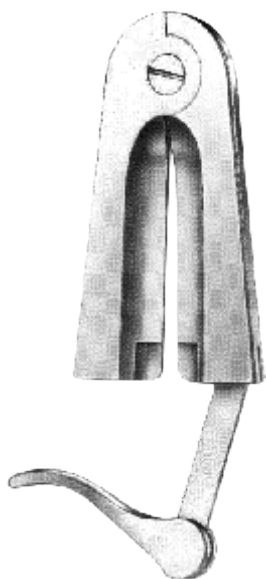
Knutson
KL-175
Urethrography Instrument

Knutson-Koch
KL-176
Cone, only



KL-177 - 183
Circumcision gomco clamp

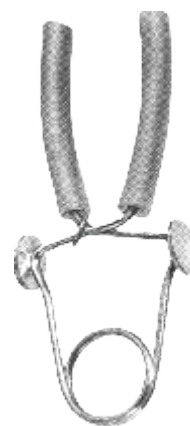
KL-177	Ø 8 mm
KL-178	Ø 11 mm
KL-179	Ø 13 mm
KL-180	Ø 16 mm
KL-181	Ø 21 mm
KL-182	Ø 26 mm
KL-183	Ø 32 mm



Mogen
KL-184
7.5 cm
Circumcision clamp



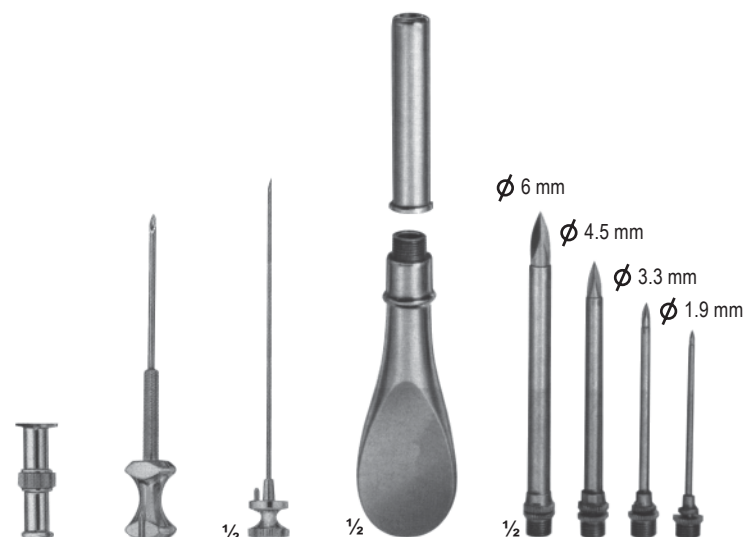
Stockmann
KL-185
8 cm
Penis clamp



Strauss
KL-186
11 cm
Penis clamp

Page 266

○ Trocars



LM-001
KLIMA ROSEGGER
35 X 1,8 mm
Sternal puncture needle

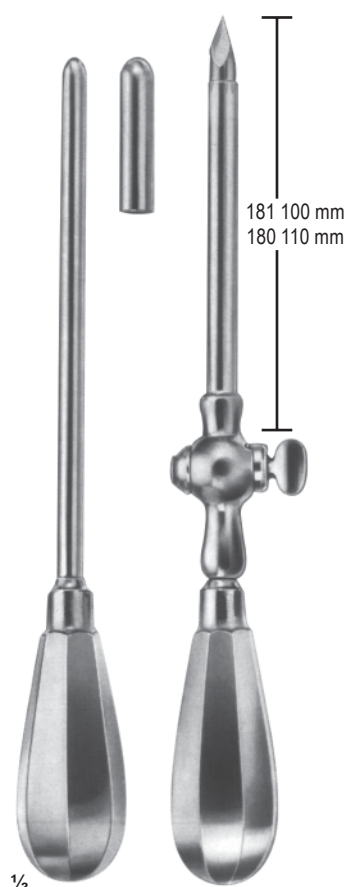
LM-002
Universal trocar
with 4 tips



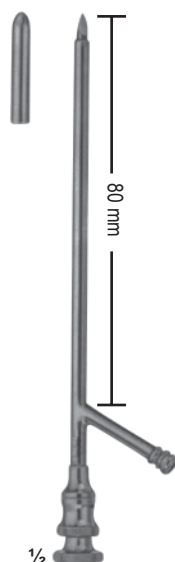
LM-003 - 007
Inside dime. Outside dime
LM-003 2,2 mm 3,0 mm
LM-004 3,0 mm 4,0 mm
LM-005 4,0 mm 5,0 mm
LM-006 5,0 mm 6,0 mm
LM-007 5,5 mm 6,5 mm
for hydrocele and abdominal
puncture



LM-008 - 011
Inside dime. Outside dime
LM-008 2,2 mm 3,0 mm
LM-009 3,0 mm 4,0 mm
LM-010 4,0 mm 5,0 mm
LM-011 5,0 mm 6,0 mm
for abdominal puncture,
with stop-cock and lateral
drain



LM-012 - 013
Inside dime. Outside dime
LM-012 6.5 mm 8 mm
LM-013 9 mm 10 mm
Empyema trocar



LM-014 - 017
Inside dime. Outside dime
LM-014 3 mm 4 mm
LM-015 3.6 mm 4.6 mm
LM-016 4.3 mm 5.3 mm
LM-017 5 mm 6 mm
Gall bladder trocars



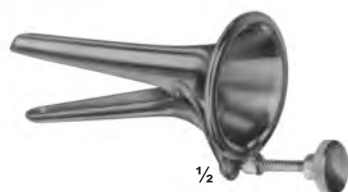
LM-018
PIERCE
Antrum trocar
4 mm



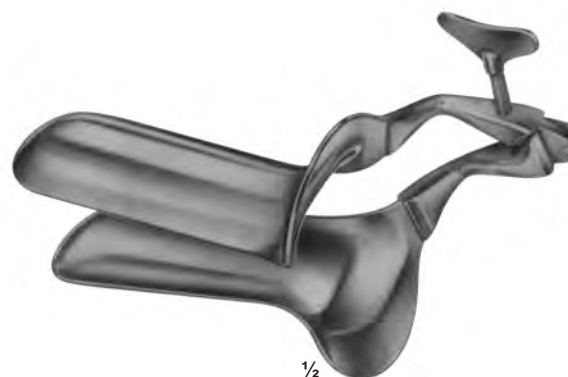
LM-019
COAKLEY
Antrum trocar
3 mm

Page 267–277

- Vaginal Specula



MN-001
COLLIN
for children
53 x 10 mm



MN-002 - 005
COLLIN
MN-002 100/90mm 28 mm
MN-003 100/90mm 32 mm
MN-004 105/95mm 35 mm
MN-005 115/105mm 40 mm



MN-006
COLLIN
for virgins
95/85 x 18 mm



MN-007
CUSCO
for virgins
75 x 17 mm



MN-008
CUSCO
for virgins
75 x 17 mm



MN-009 - 011
CUSCO
MN-009 92x23-25 mm
MN-010 100x25-27 mm
MN-011 110x27-30 mm

VAGINAL SPECULA



MN-012 - 015
CUSCO
STANDARD
MN-012 80X24 mm
MN-013 80X32 mm
MN-014 90X36 mm
MN-015 110X37 mm



MN-016 - 019
CUSCO
MN-016 80X24 mm
MN-017 80X32 mm
MN-018 90X36 mm
MN-019 110X37 mm



MN-020 - 022
CUSCO
MN-020 80X24 mm
MN-021 80X32 mm
MN-022 115X36 mm



MN-023 - 024
SEYFFERT
MN-023 100X24 mm
MN-024 110X32 mm
230 mm



MN-025
SEMM
for children
and virgins
180 mm

MN-026 - 028
GRAVE
MN-026 75X20 mm
MN-027 95X30 mm
MN-028 105X33 mm

1/2

MN-029 - 030
MN-029 100X22 mm
MN-030 120X25 mm

1/2

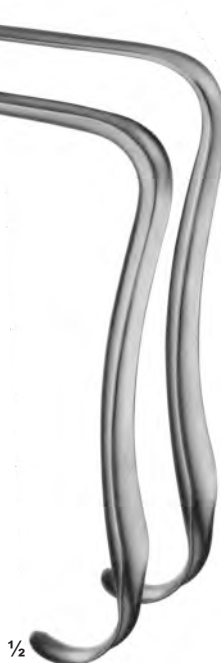
MN-031 - 032
BRIESKY
MN-031 72X25 mm / 77X30 mm
MN-032 75X30 mm / 92X38 mm
170 mm

1/2



1/2

MN-033 - 034
BREISKY
MN-033 100X22 mm
77 X30 mm
140 mm
MN-034 120X25 mm
92 X38 mm
170 mm



1/2

MN-035 - 037
SEIDL
MN-035 80X8 mm
MN-036 80X10 mm
MN-037 90X14 mm
For children and infants
170 mm



1/2

MN-038
KRISTELLER
70X15 mm, (170 mm)
For children

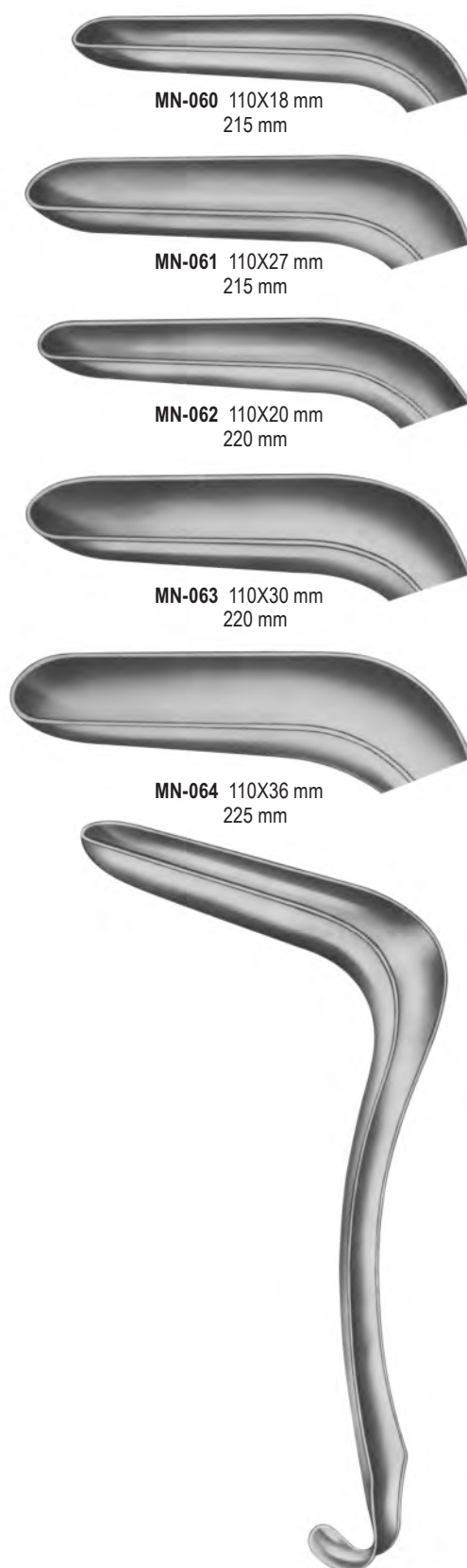
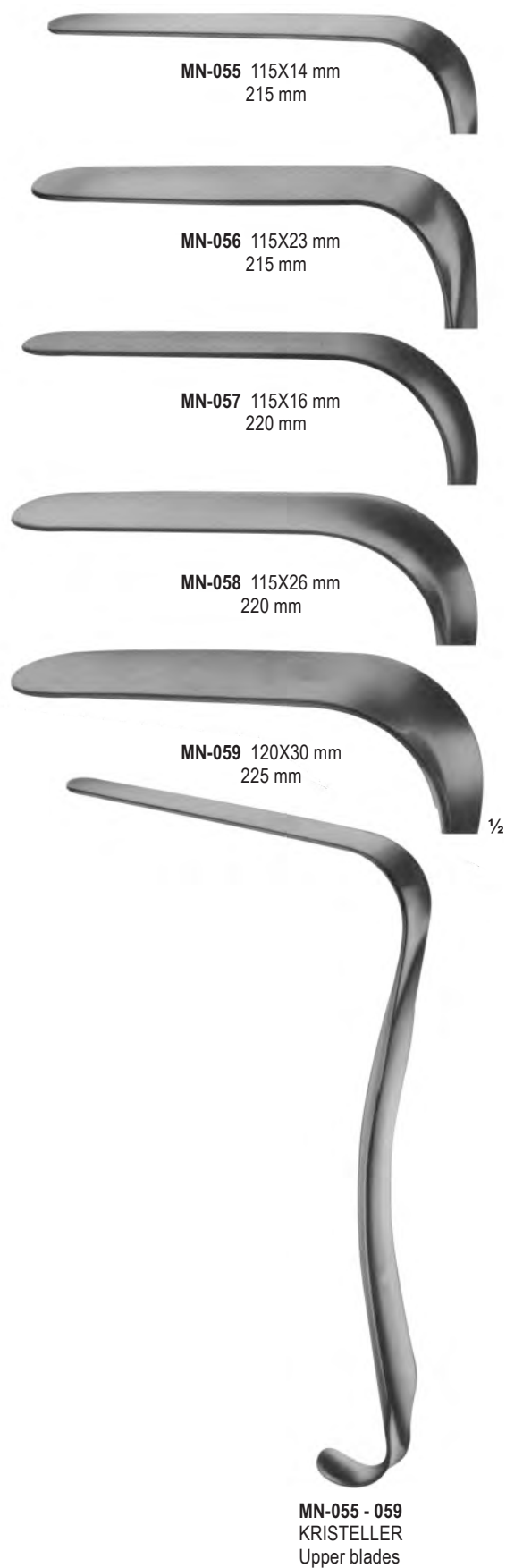


1/2

MN-039 - 041
SIMS
MN-039 70X26 mm
75 X30 mm 125 mm
MN-040 75X30 mm
80 X85 mm 150 mm
MN-041 80X36 mm
90 X40 mm 175 mm

VAGINAL SPECULA, UPPER & LOWER BLADES







VAGINAL SPECULA, UPPER LOWER BLADES



MN-065
80 X 28 mm



MN-066
85 X 35 mm



MN-067
85 X 40 mm



Slightly Concave

1/2

MN-065 - 067
KRISTELLER
205 mm



MN-068
76 X 38 mm



MN-069
89 X 38 mm



MN-070
102 X 38 mm



Slightly Concave

1/2

MN-068 - 070
JACKSON
175 mm



56 x 13 mm

1/2

MN-071
BRAUN
180 mm



60 x 10 mm

1/2

MN-072
BRAUN
180 mm



95 x 17 - 30 mm

1/2

MN-073
MATHIEU
For children
and virgins
210 mm



95 x 17-26 mm

1/2

MN-074
MATHIEU
for children and
virgins fitting
210 mm



MN-075
Handle with cold light
carrier for upper blades
280 mm

1/2

VAGINAL SPECULA





MN-090 - 094
BREISKY
WIENER MODELL/
VIENNA PATTERN
MN-090 100 X 20 mm
MN-091 100 X 25 mm
MN-092 100 X 30 mm
MN-093 100 X 35 mm
MN-094 100 X 40 mm
300 mm



MN-095 - 099
BREISKY
WIENER MODELL/
VIENNA PATTERN
MN-095 130 X 20 mm
MN-096 130 X 25 mm
MN-097 130 X 30 mm
MN-098 130 X 35 mm
MN-099 130 X 40 mm
320 mm



MN-100
DOYEN
lateral speculum
80 x 30 mm
250 mm

VAGINAL & WOUND RETRACTOR / VAGINAL SPECULA



MN-101
SIMON
115 X 22 mm
275 mm



MN-102
AUVARD
65 X 38 mm - 28 mm
1,530 kg
with fixed weight
230 mm



MN-103 - 104
AUVARD
MN-103 75 X 42 mm
(40 mm)
MN-104 105 X 43 mm
(40 mm)
with detachable wight
230 mm



MN-105
80 X 30



MN-106
85 X 35



MN-107
85 X 40



MN-108
55 X 40 - 60 mm



MN-109
70 X 45 - 70 mm



SCHERBACK
MN-105 - 109
Set consisting of:
handle
weight
5 blades



MN-110
80 X 30 mm



MN-114
65 X 30 mm



MN-111
85 X 33 mm



MN-115
75 X 35 mm



MN-112
100 X 38 mm



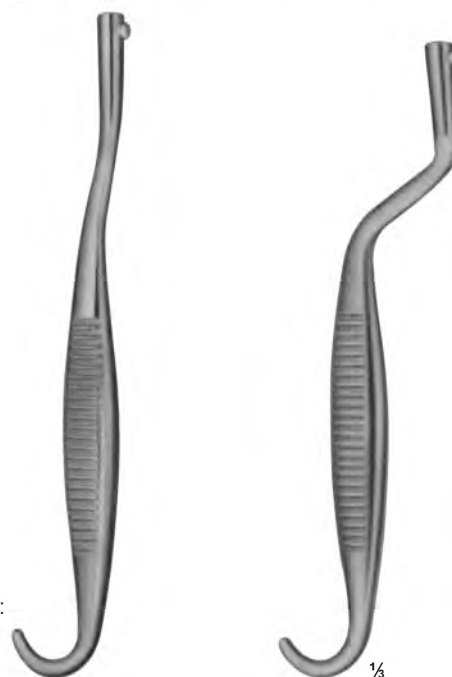
MN-116
85 X 35 mm



MN-113
110 X 42 mm



MN-117
95 X 35 mm



SCHERBACK
MN-110 - 117
Set consisting of:
2 handle
8 blades

Page 278–304

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



1/2

NO-001 - NO-043
HEGAR
with very conical point
185 mm

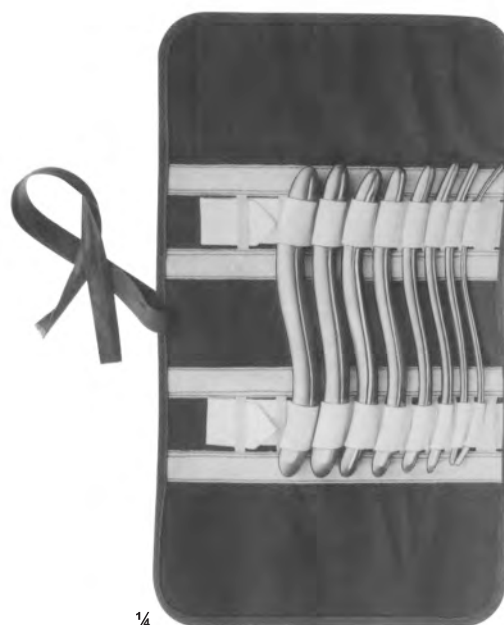
NO-001	1	mm	NO-023	23	mm
NO-002	2	mm	NO-024	24	mm
NO-003	3	mm	NO-025	25	mm
NO-004	4	mm	NO-026	26	mm
NO-005	5	mm	NO-027	1 1/2	mm
NO-006	6	mm	NO-028	2 1/2	mm
NO-007	7	mm	NO-029	3 1/2	mm
NO-008	8	mm	NO-030	4 1/2	mm
NO-009	9	mm	NO-031	5 1/2	mm
NO-010	10	mm	NO-032	6 1/2	mm
NO-011	11	mm	NO-033	7 1/2	mm
NO-012	12	mm	NO-034	8 1/2	mm
NO-013	13	mm	NO-035	9 1/2	mm
NO-014	14	mm	NO-036	10 1/2	mm
NO-015	15	mm	NO-037	11 1/2	mm
NO-016	16	mm	NO-038	12 1/2	mm
NO-017	17	mm	NO-039	13 1/2	mm
NO-018	18	mm	NO-040	14 1/2	mm
NO-019	19	mm	NO-041	15 1/2	mm
NO-020	20	mm	NO-042	16 1/2	mm
NO-021	21	mm	NO-043	17 1/2	mm
NO-022	22	mm			



1/2

NO-044 - NO-052
HEGAR
205 mm

NO-044	1+2	mm
NO-045	3+4	mm
NO-046	5+6	mm
NO-047	7+8	mm
NO-048	9+10	mm
NO-049	11+12	mm
NO-050	13+14	mm
NO-051	15+16	mm
NO-052	17+18	mm



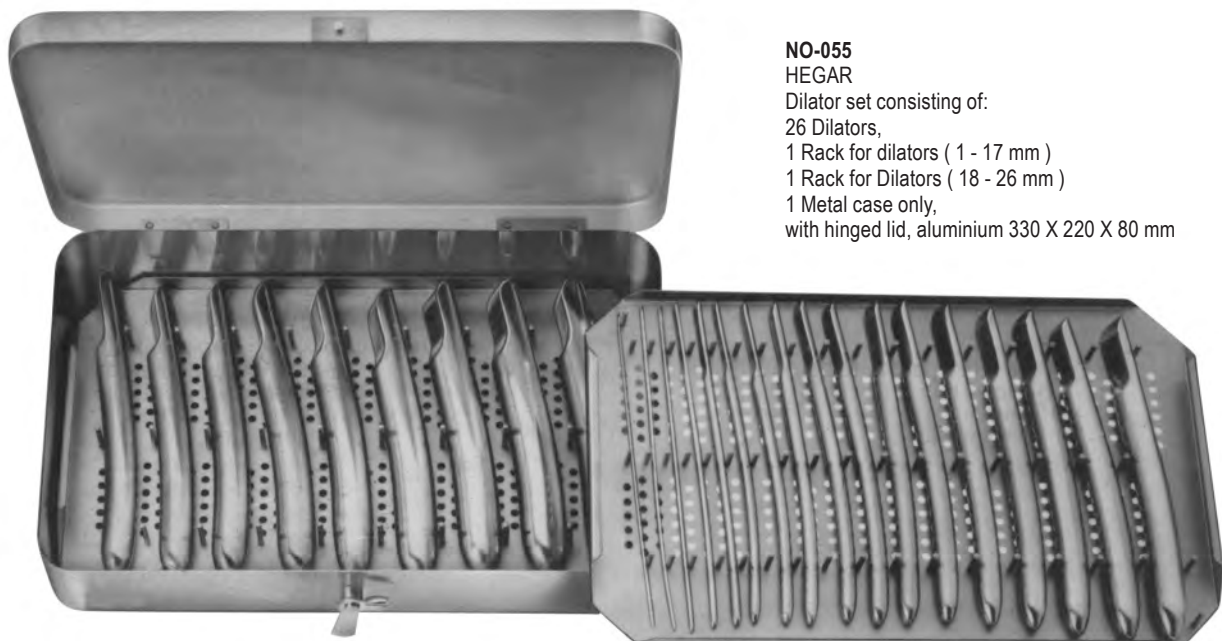
1/4

NO-053
HEGAR
Uterine dilator set, in canvas
roll with 8 dilators.

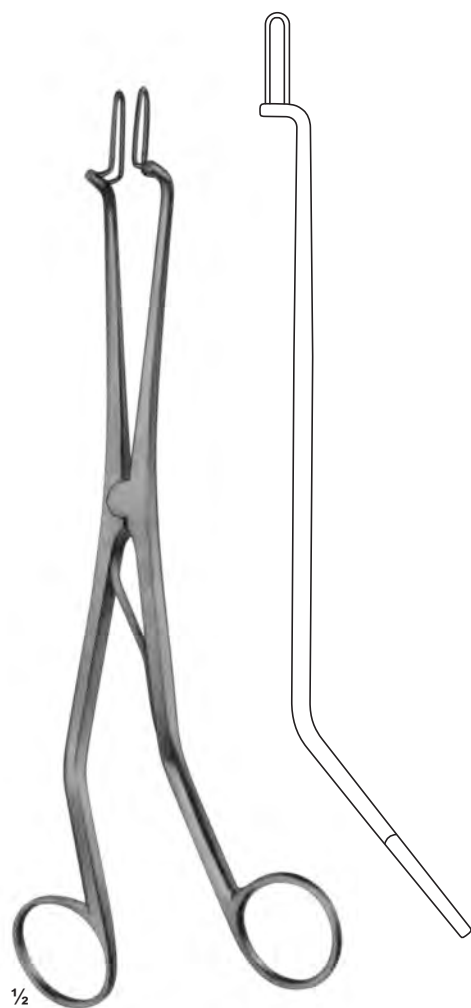
UTERINE DILATORS – COMPLETE SETS



NO-054
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



NO-055
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

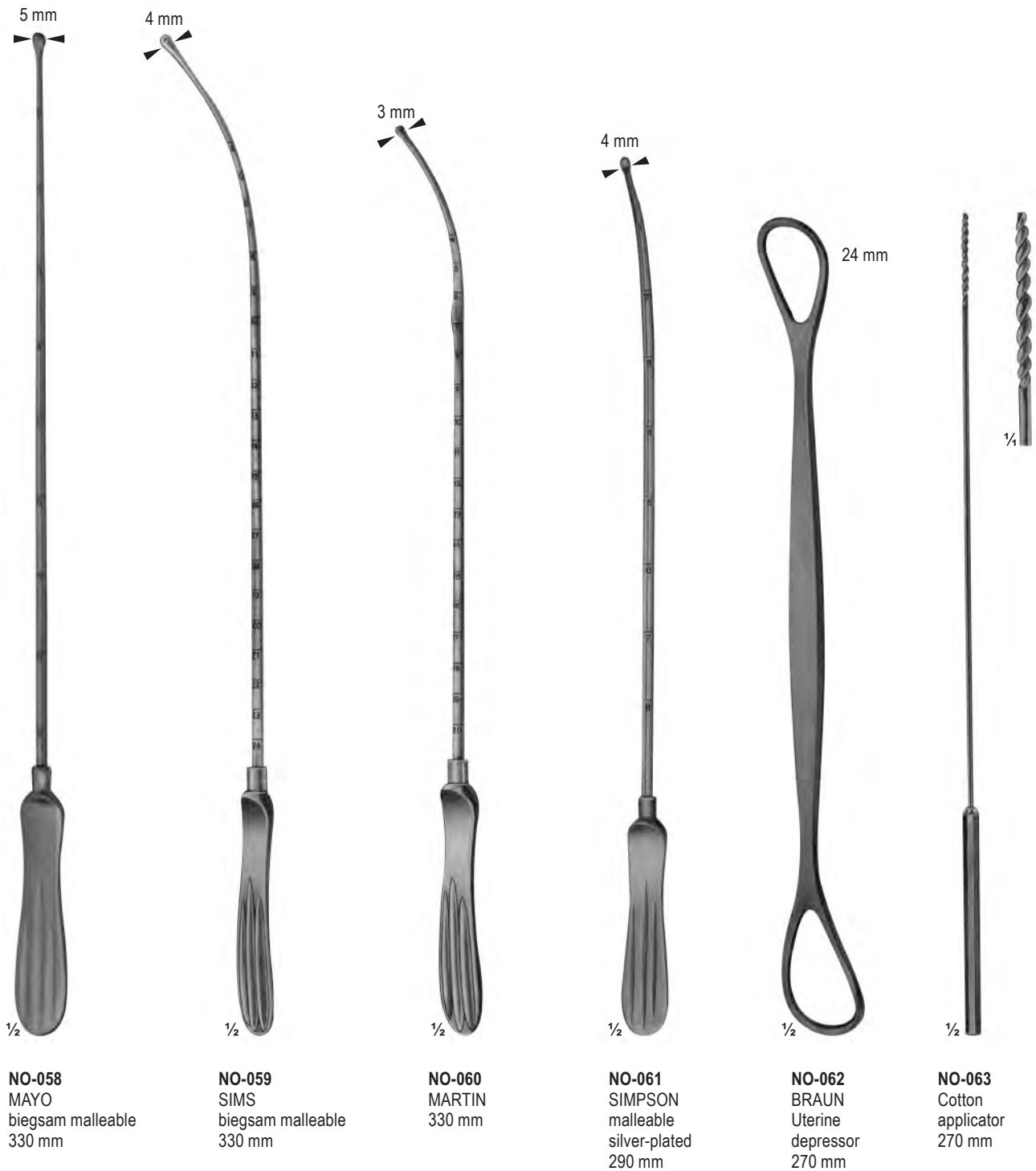


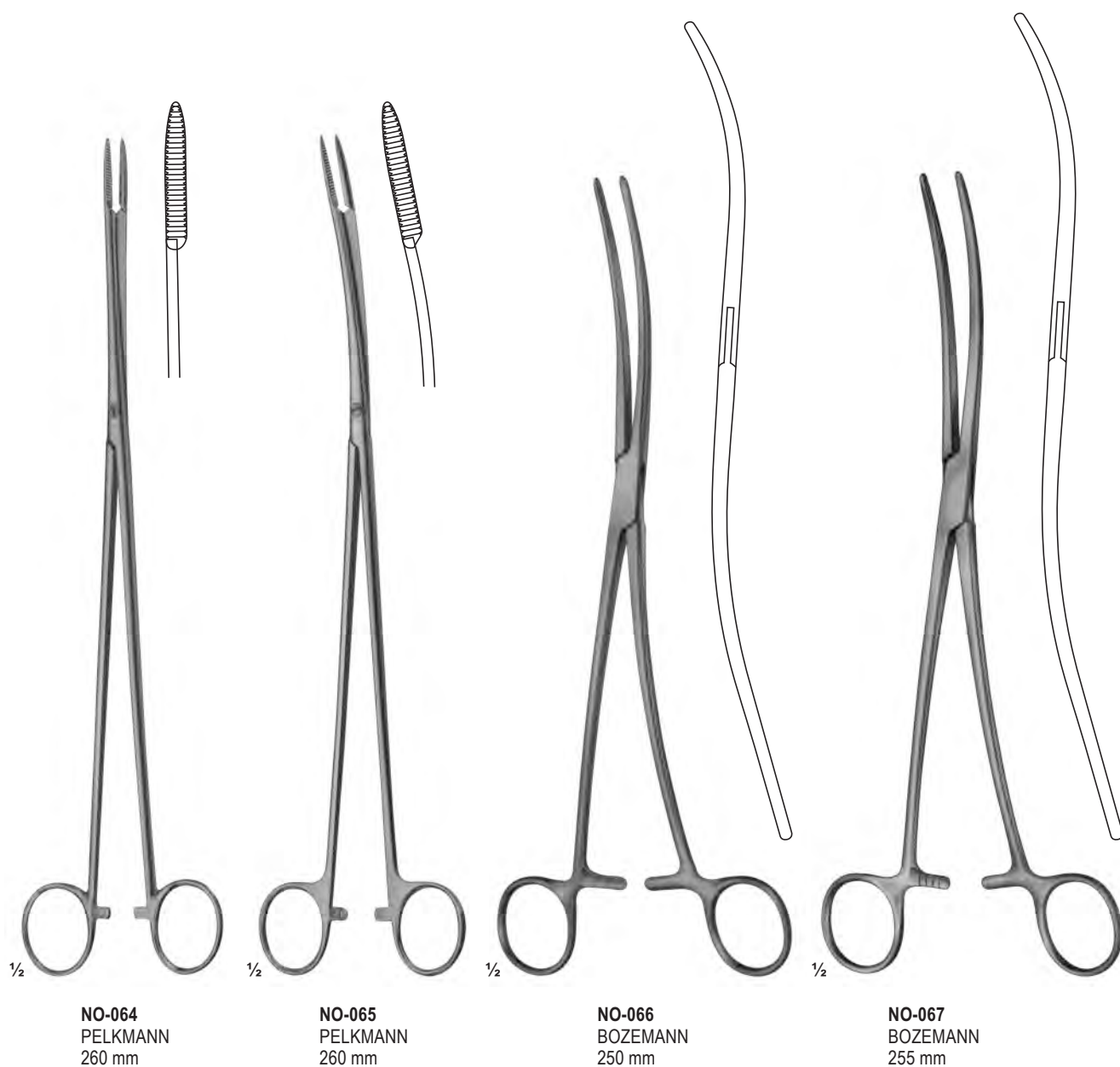
NO-056
KOGAN
Endospecula for cervix
and urethra, without ratchet
240 mm



NO-057
KOGAN
Endospecula for cervix
and urethra, with
scale-ratchet and fixing screws
240 mm

UTERINE PROBES, COTTON AND CAUSTIC HOLDER

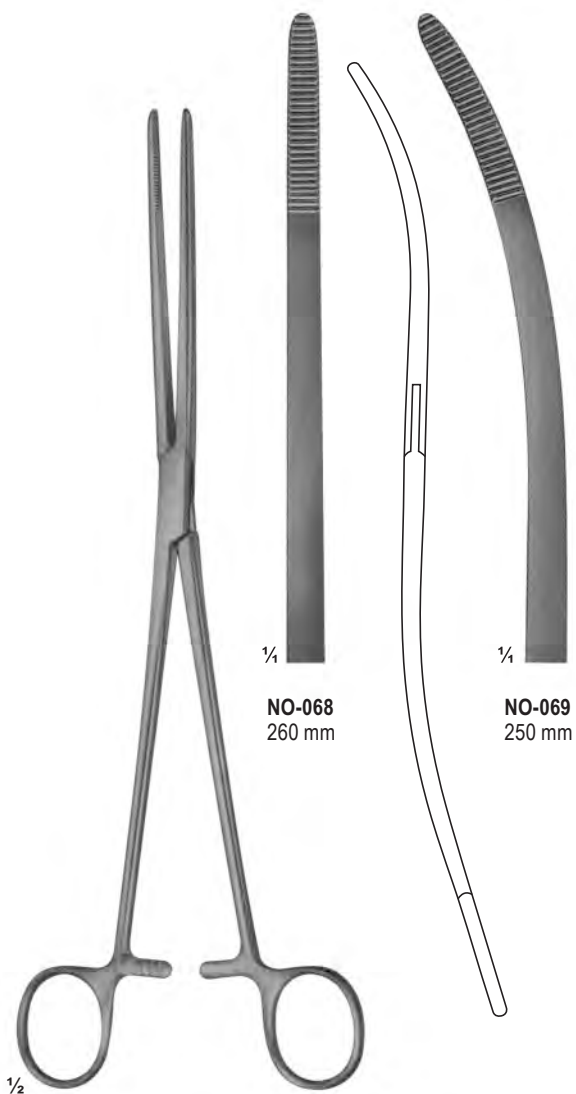




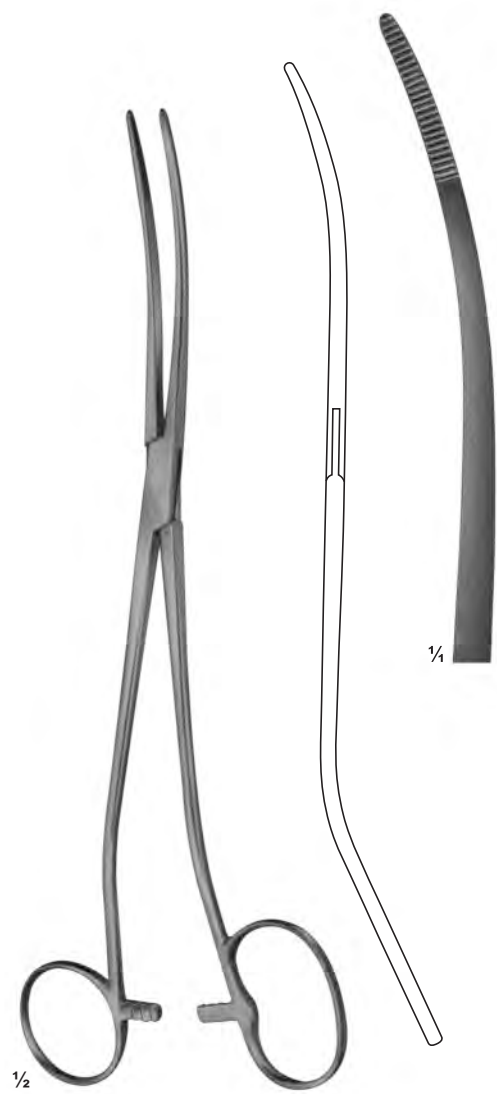
Jaws with longitudinal groove



UTERINE DRESSING FORCEPS



NO-068 - NO-069
BOZEMANN



NO-070
BOZEMANN-DOUGLAS
260 mm



NO-071
BRAUN
slender type
250 mm

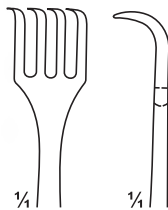
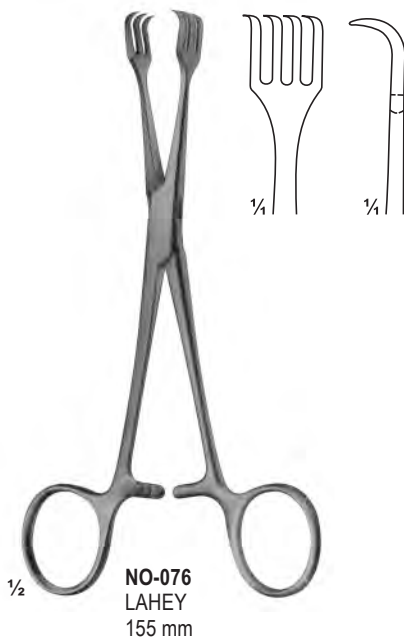
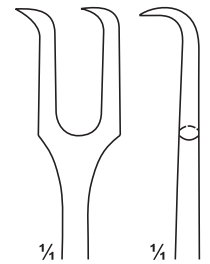
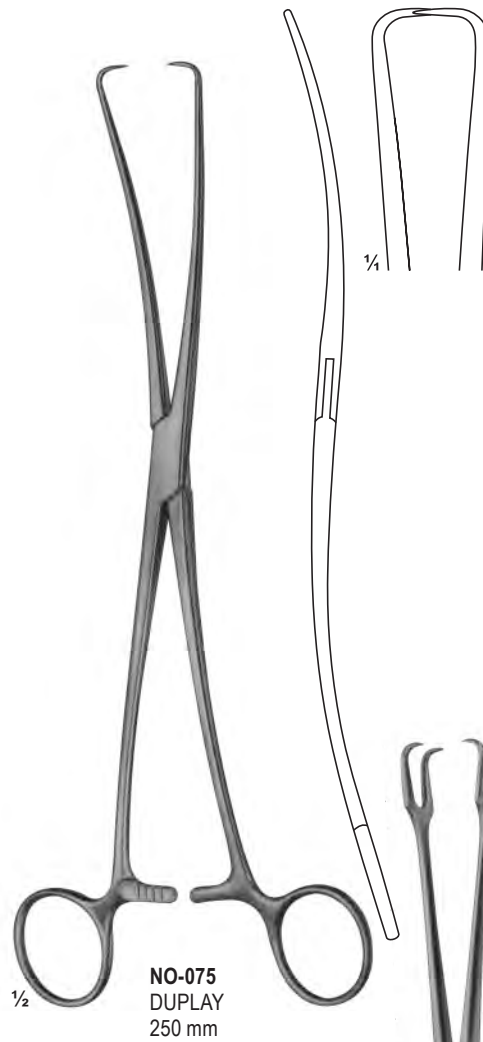


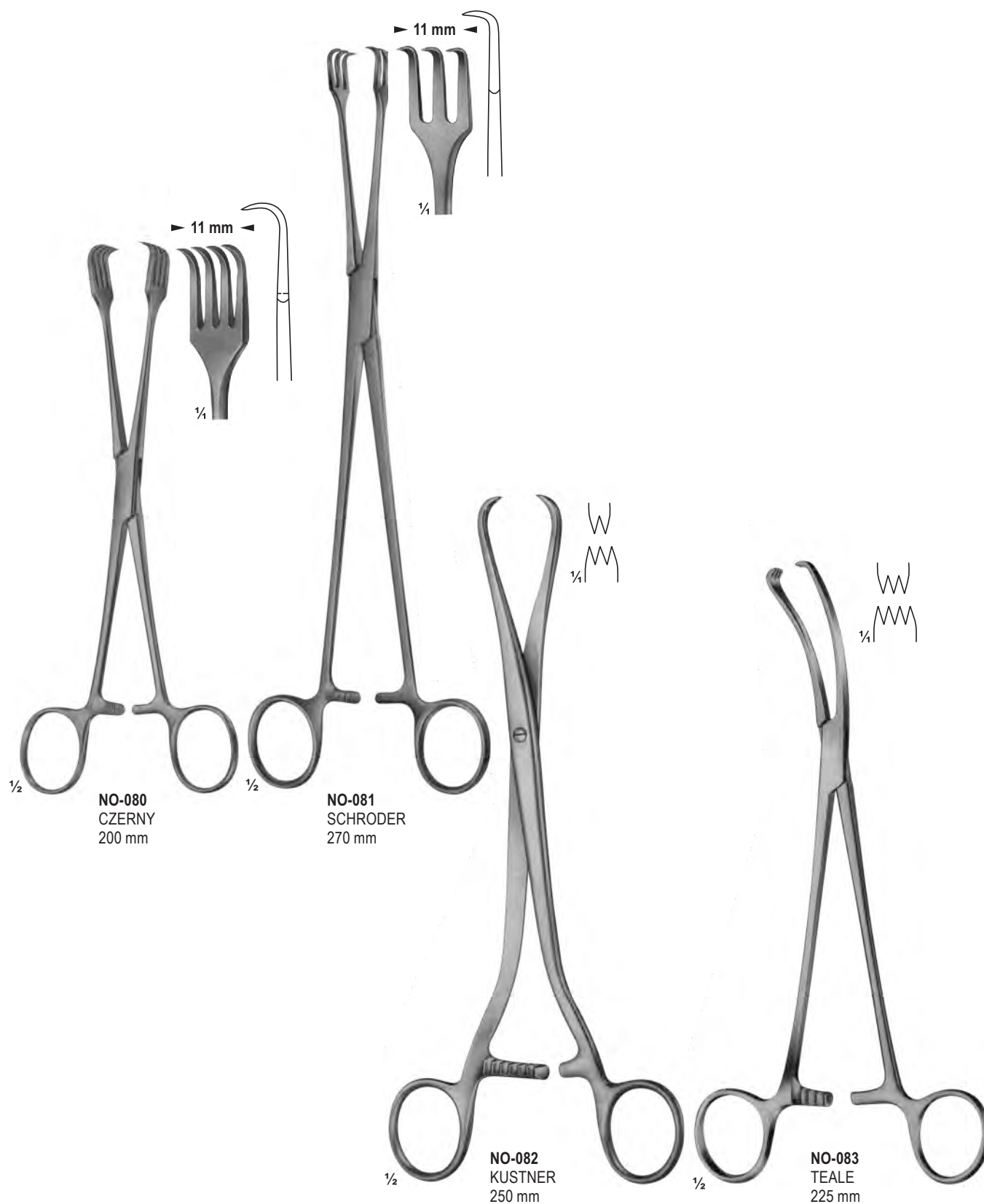
NO-072
SCHRODER
250 mm



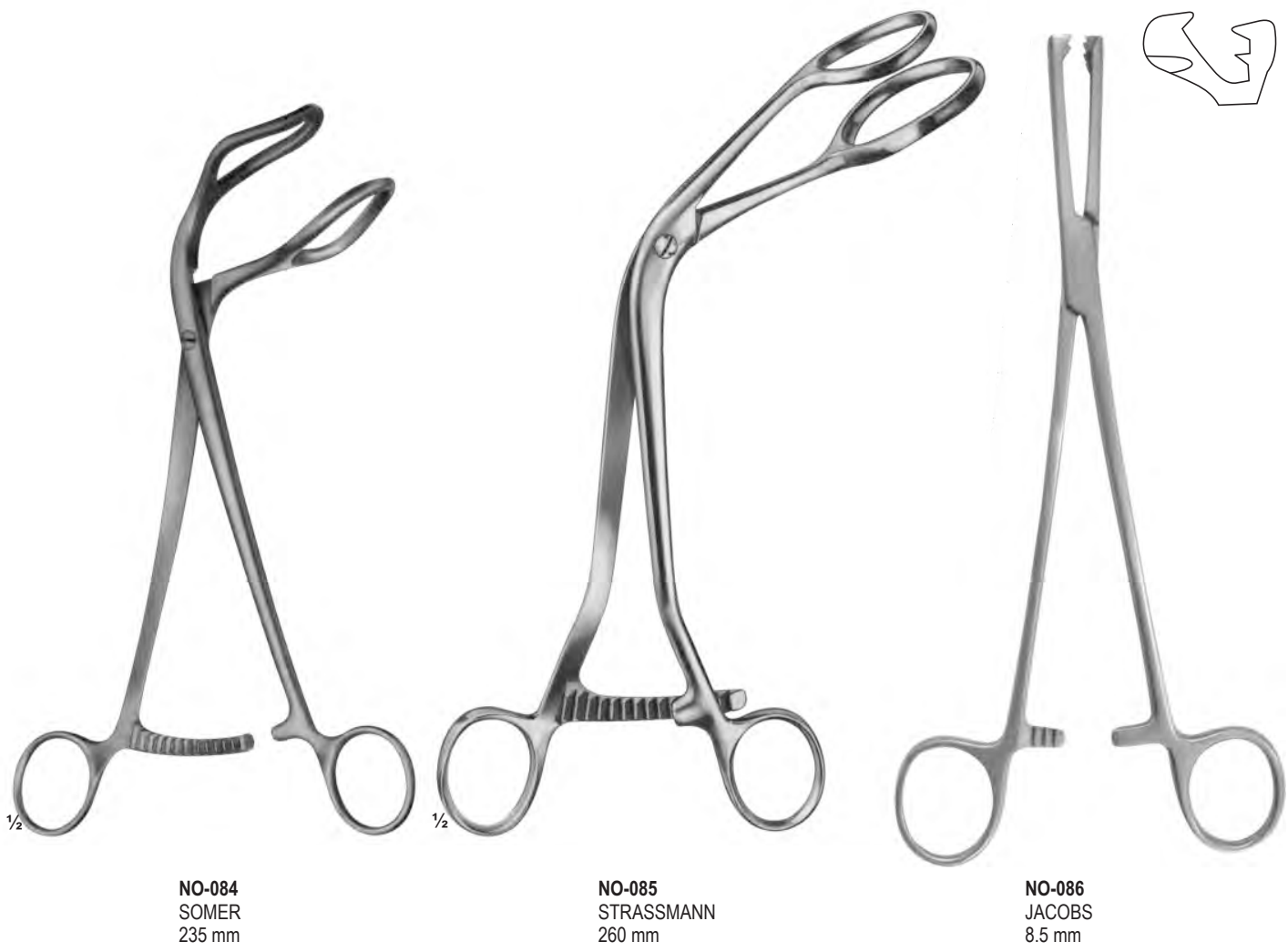
NO-073
POZZI
heavy type
255 mm

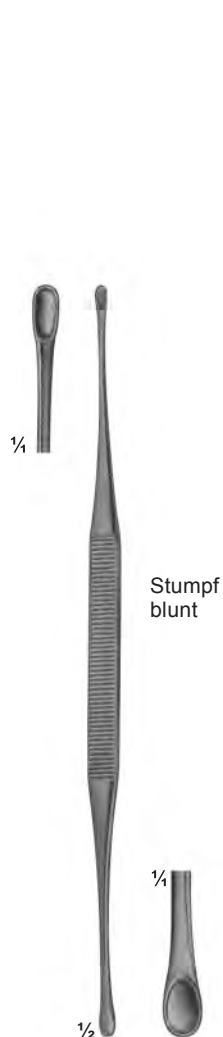
UTERINE TENACULUM FORCEPS



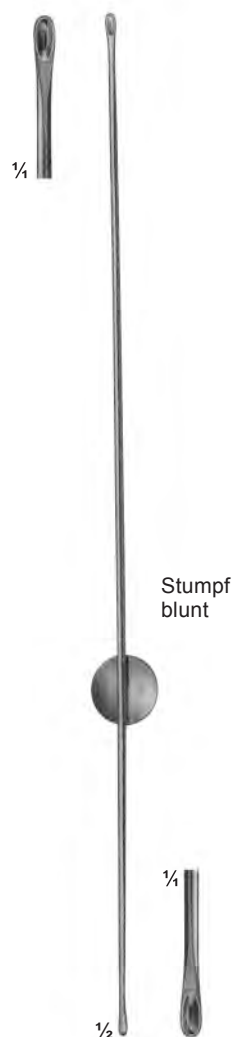


UTERINE ELEVATING FORCEPS





NO-087
ASCH
Uterine
Secretion scoop
200 mm



NO-088
Uterine
Secretion scoop
270 mm

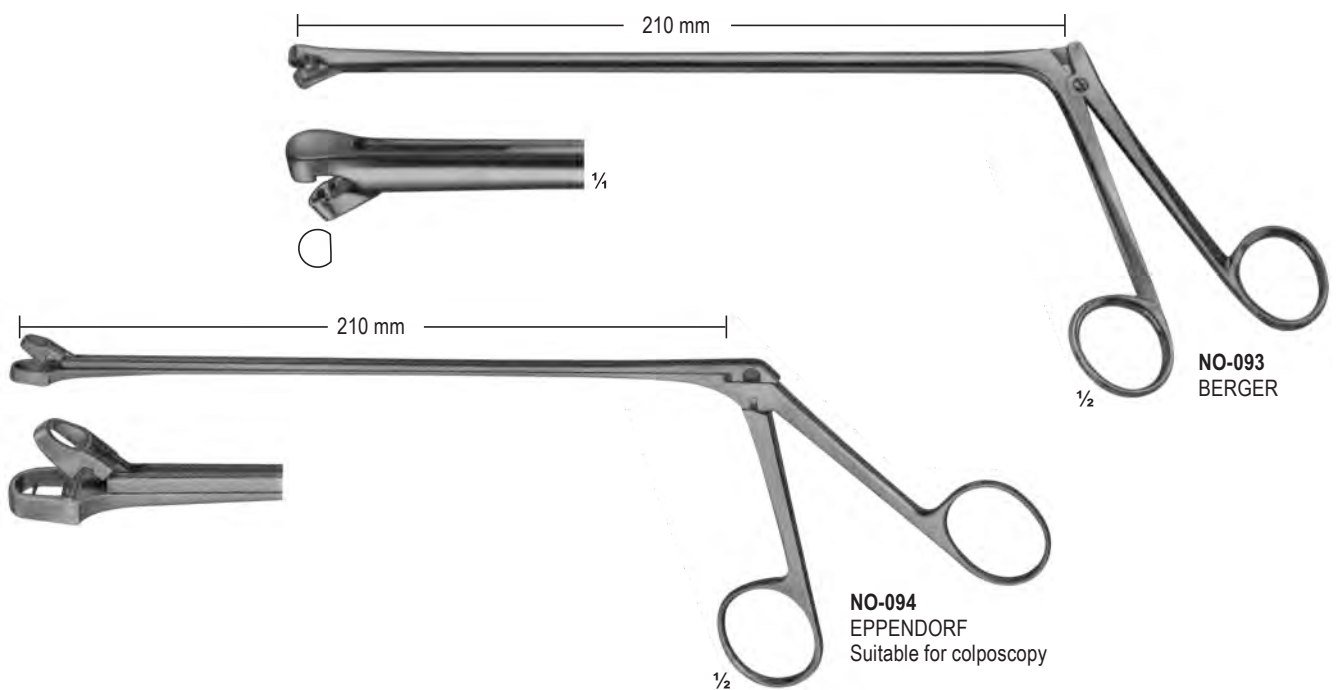
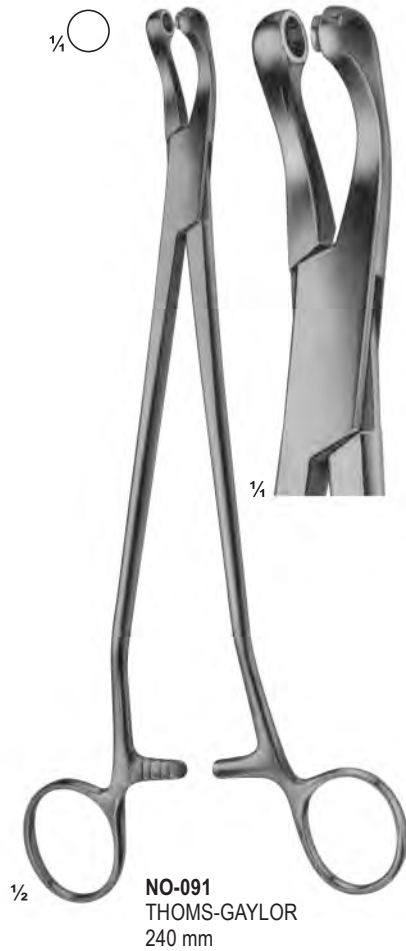


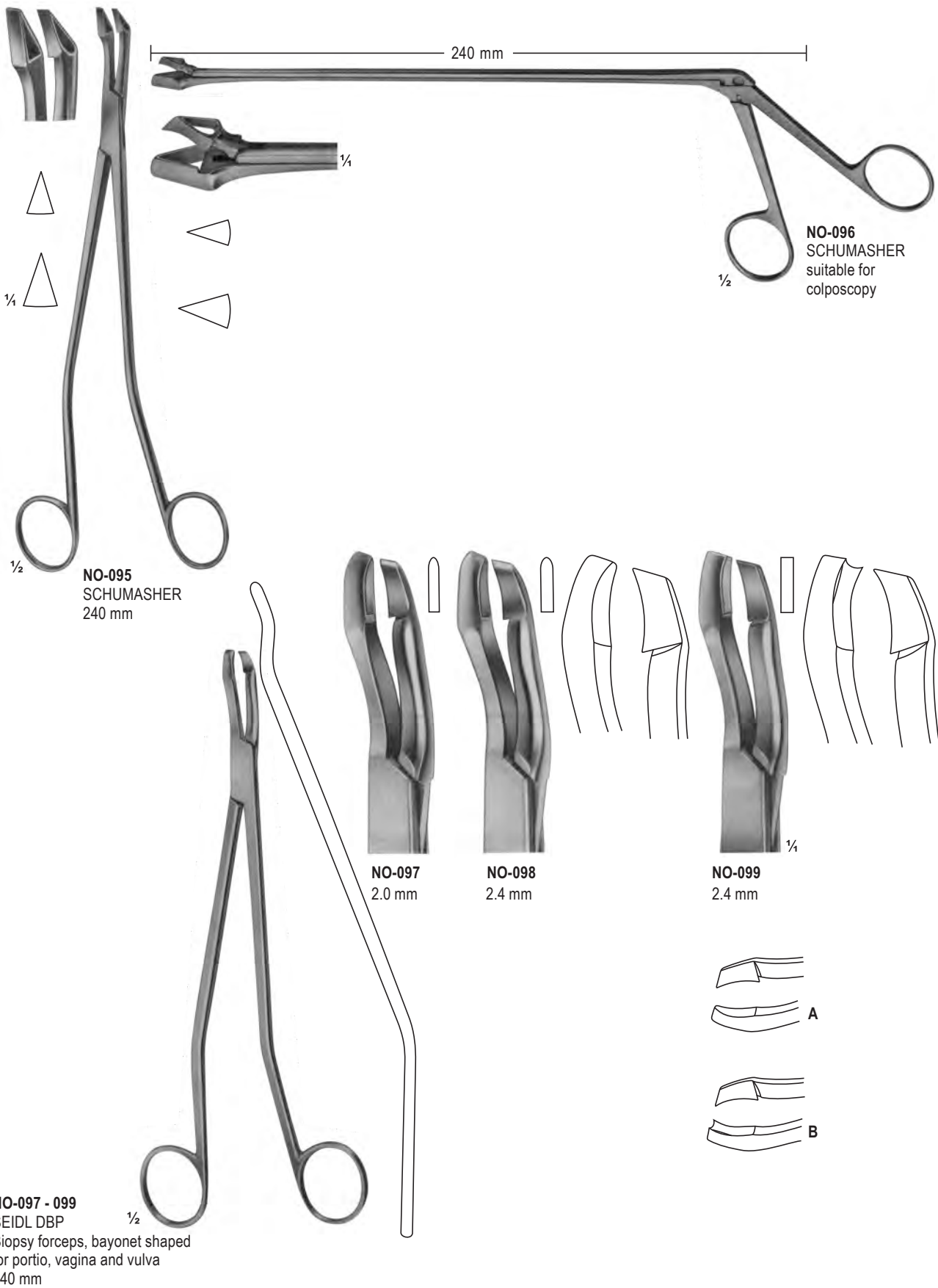
NO-089
NOVAK-SCHOECKAERT
Endometrial biopsy
curette
240 mm



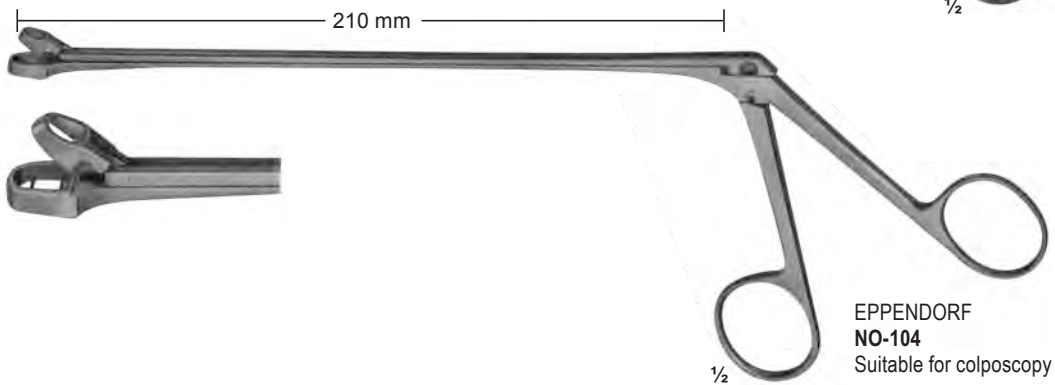
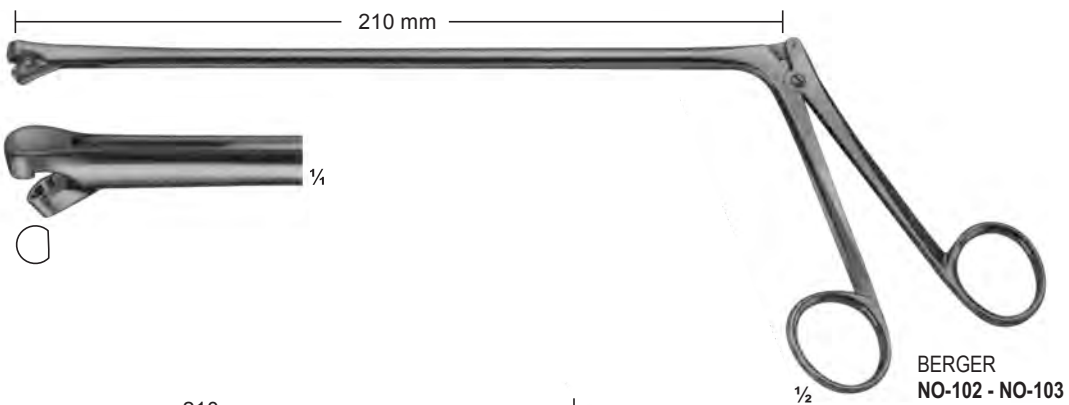
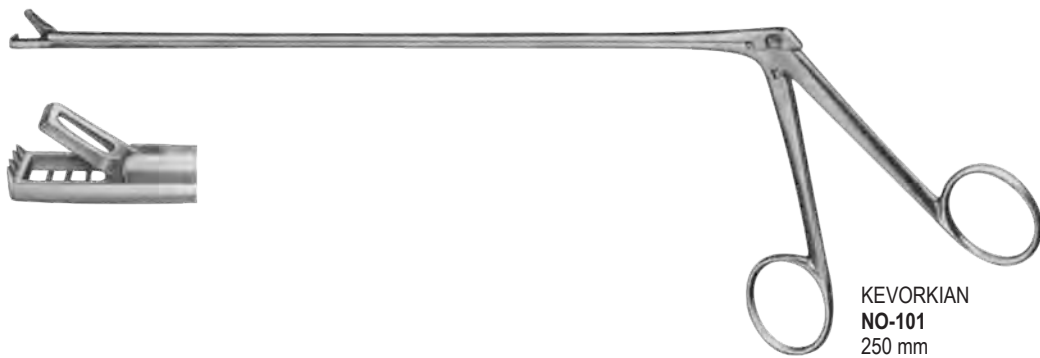
NO-090
RANDALL
Endometrial biopsy
curette
240 mm

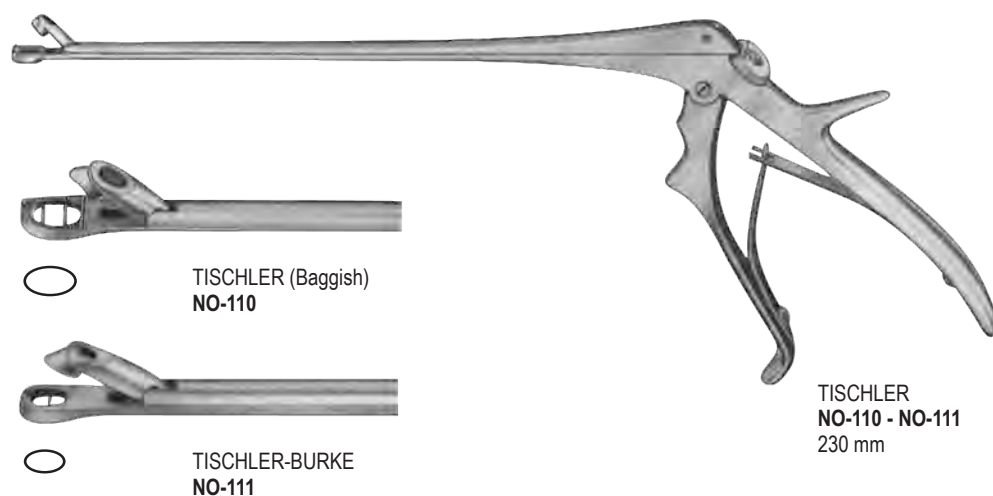
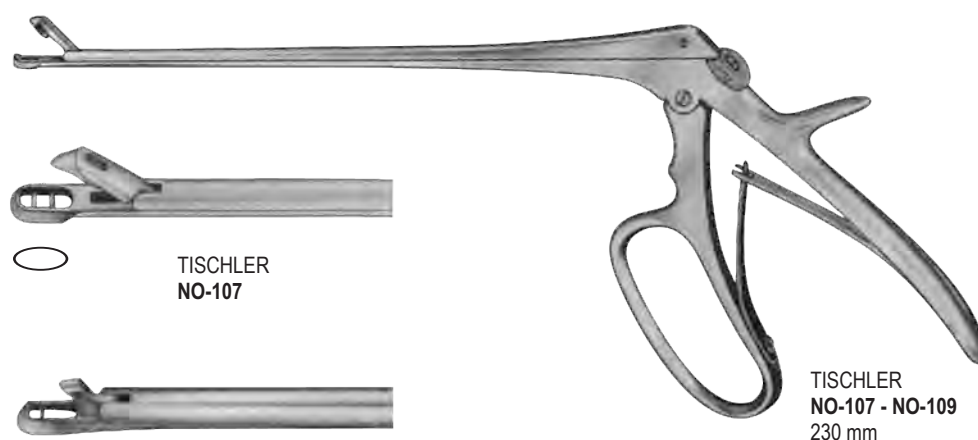
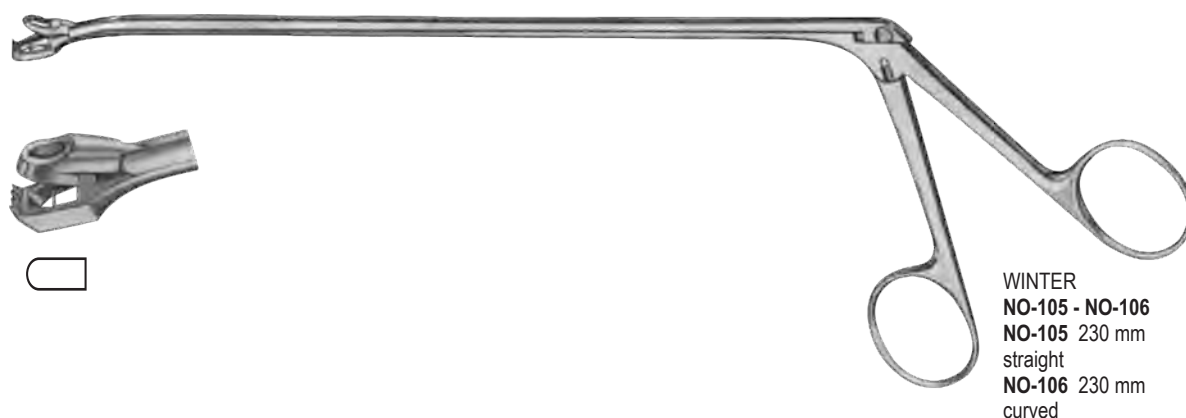
BIOPSY FORCEPS



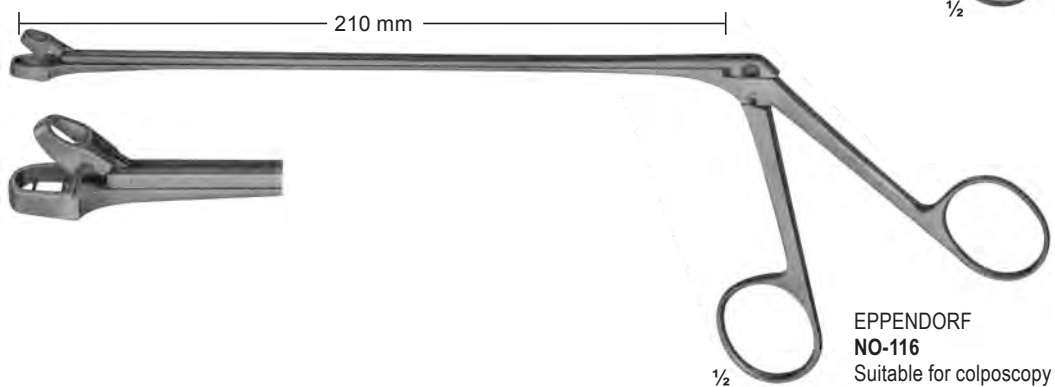
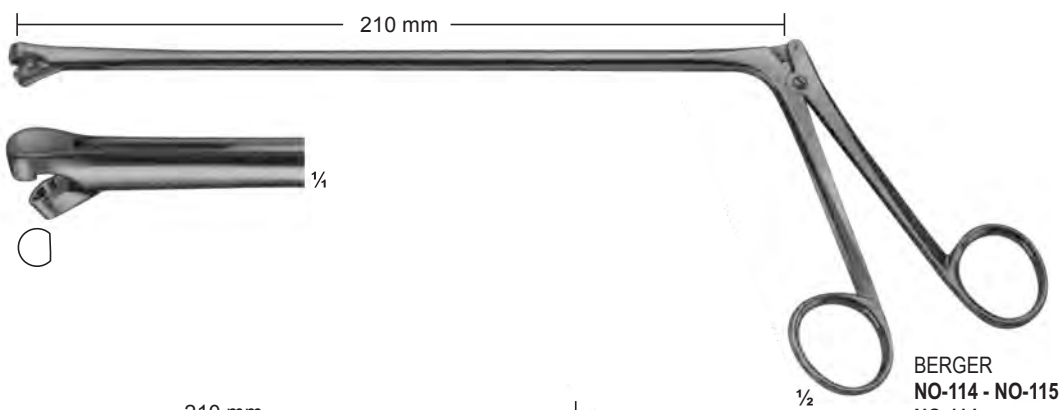
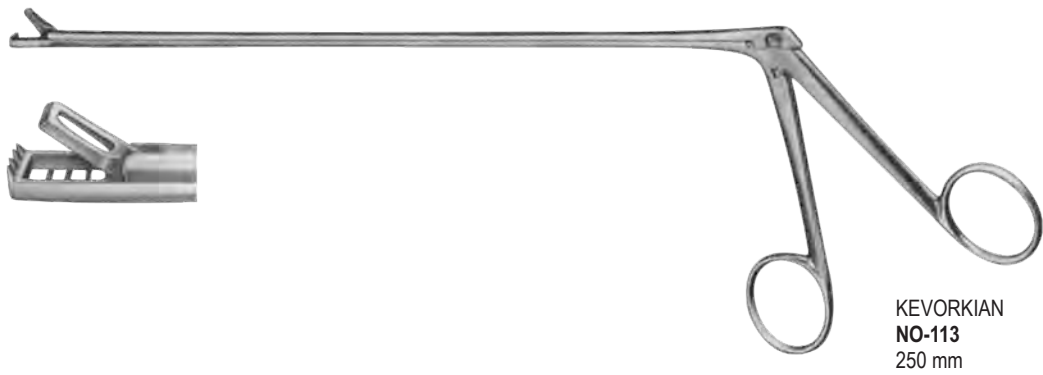
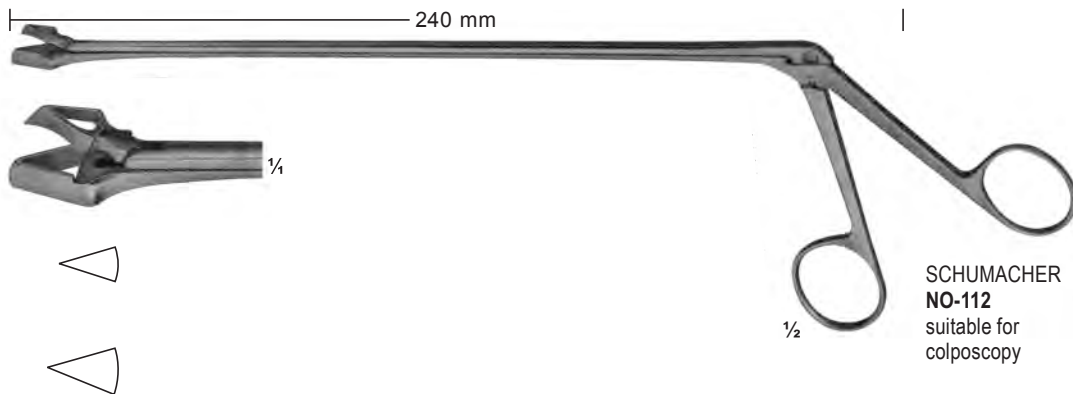


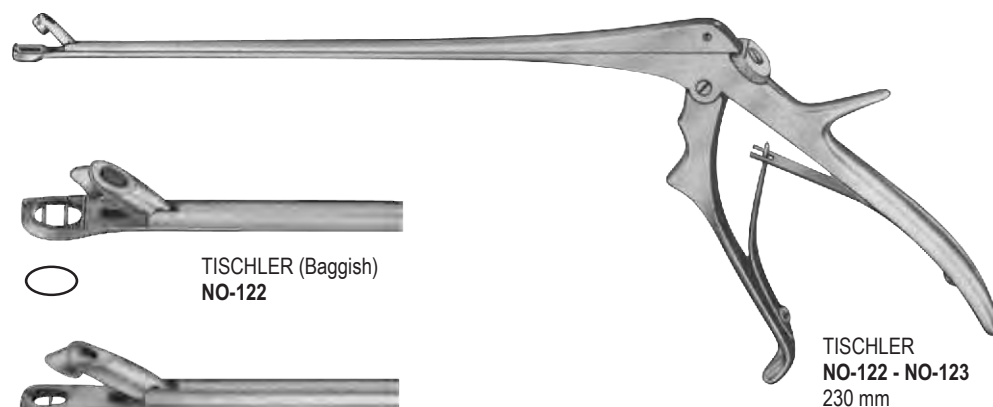
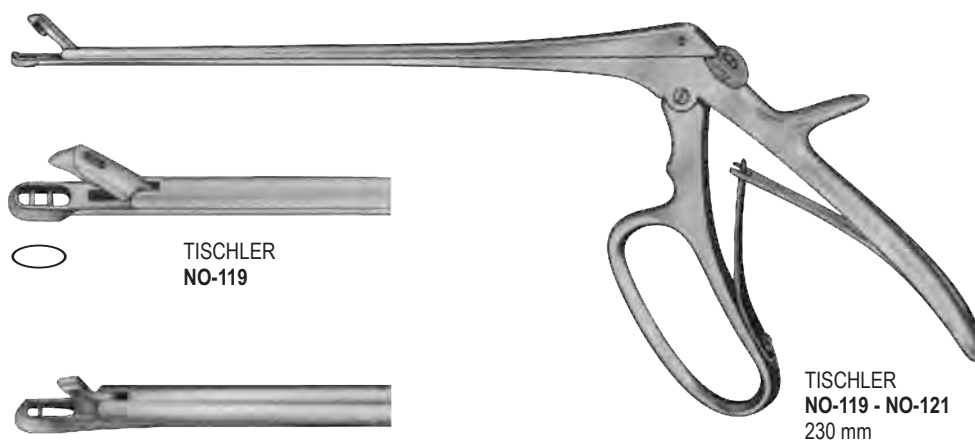
BIOPSY FORCEPS



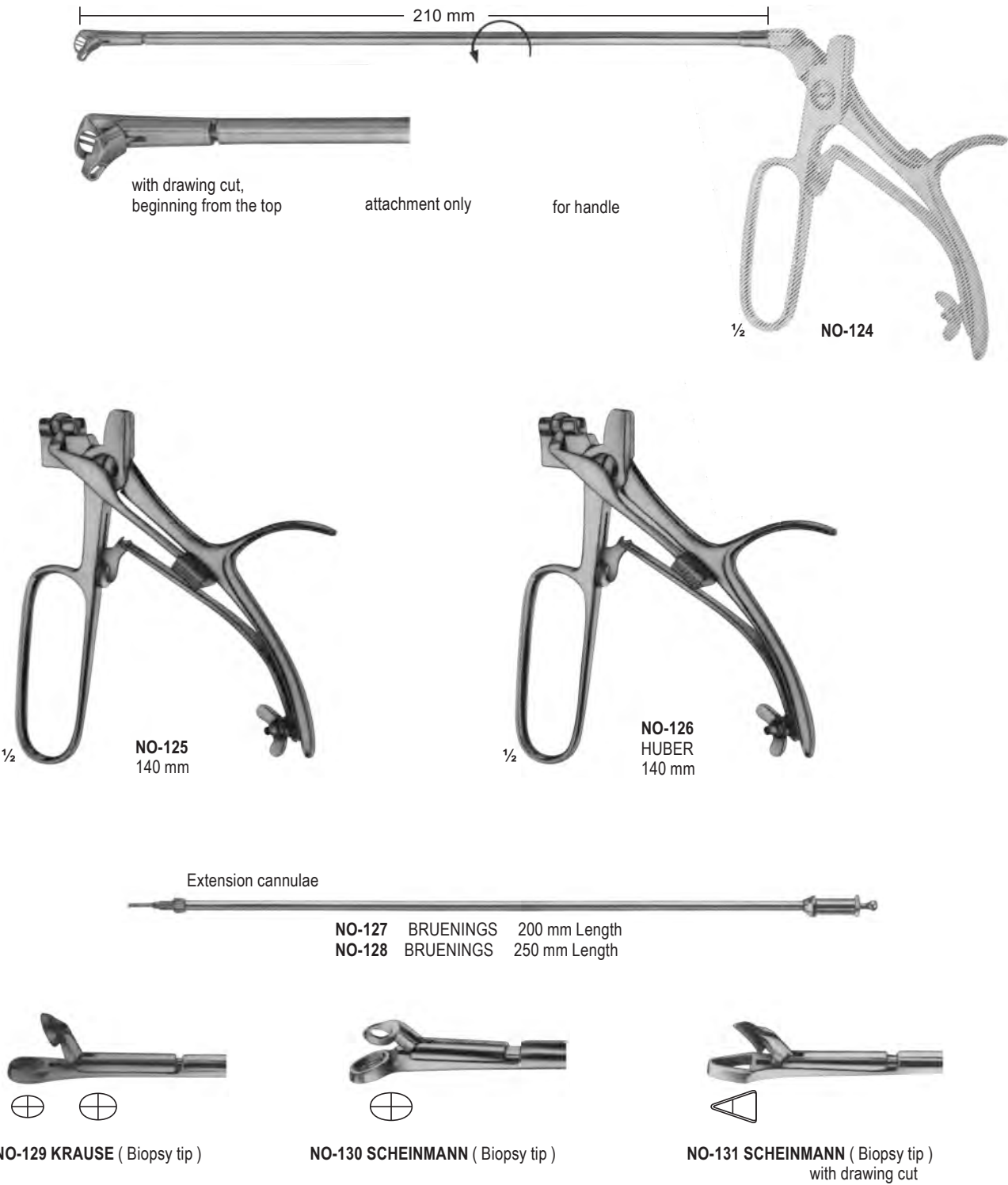


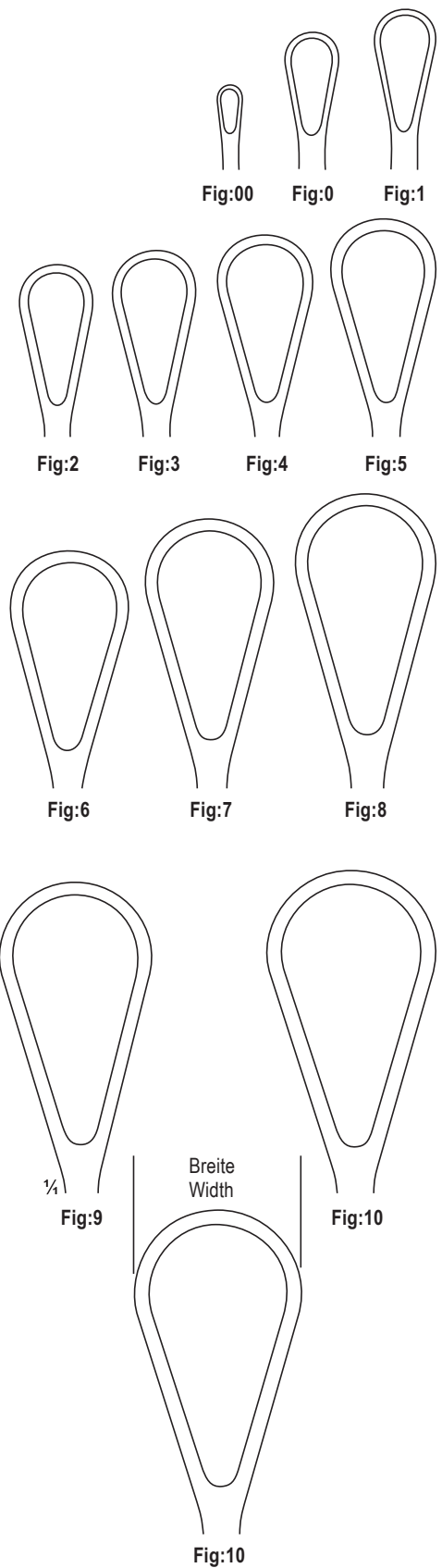
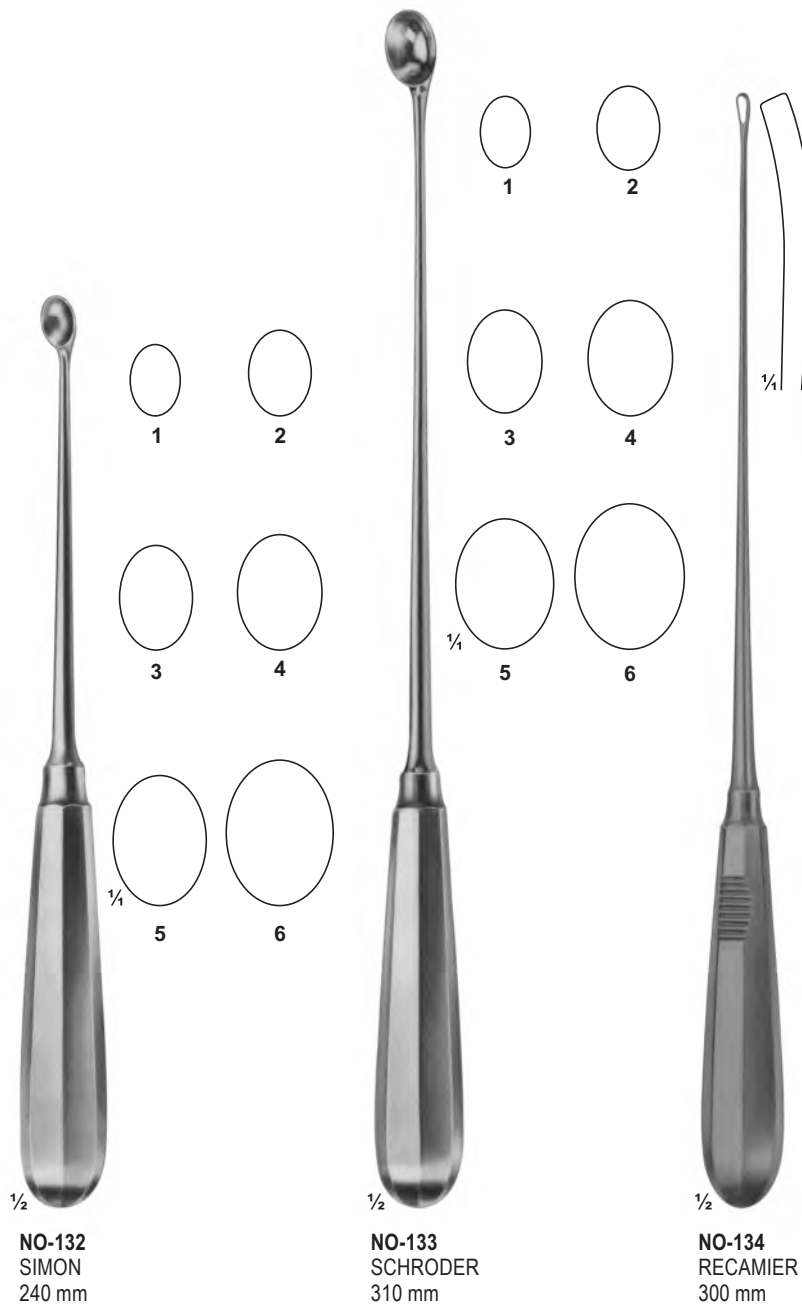
BIOPSY FORCEPS





BIOPSY FORCEPS





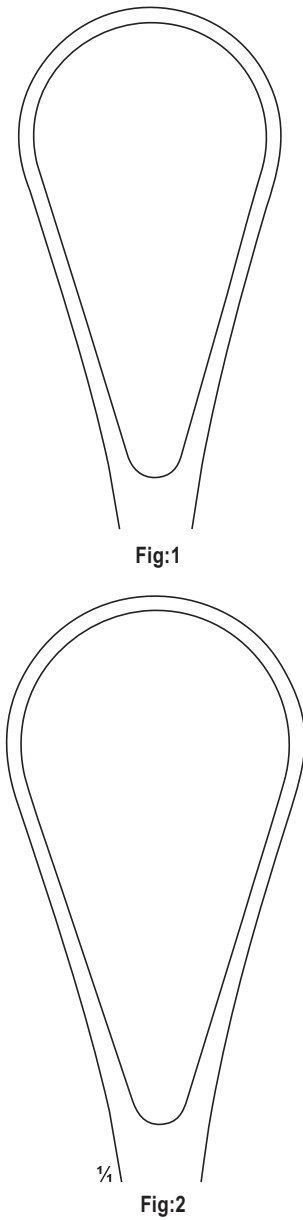




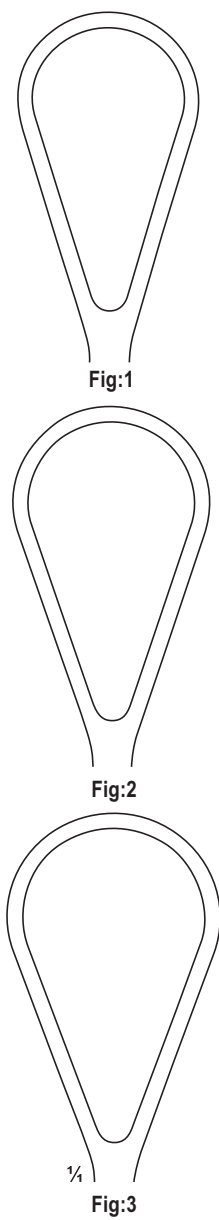
NO-138
COLLIN
300 mm



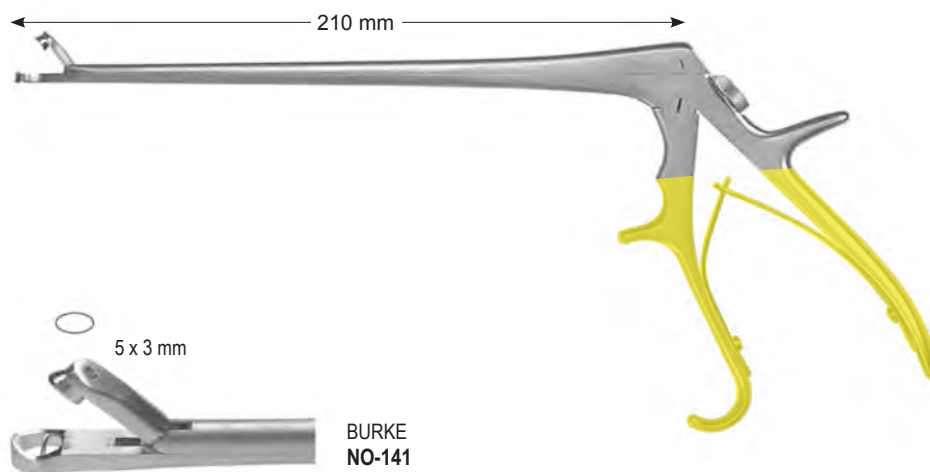
NO-139
RECAMIER
blunt-rigid
360 mm

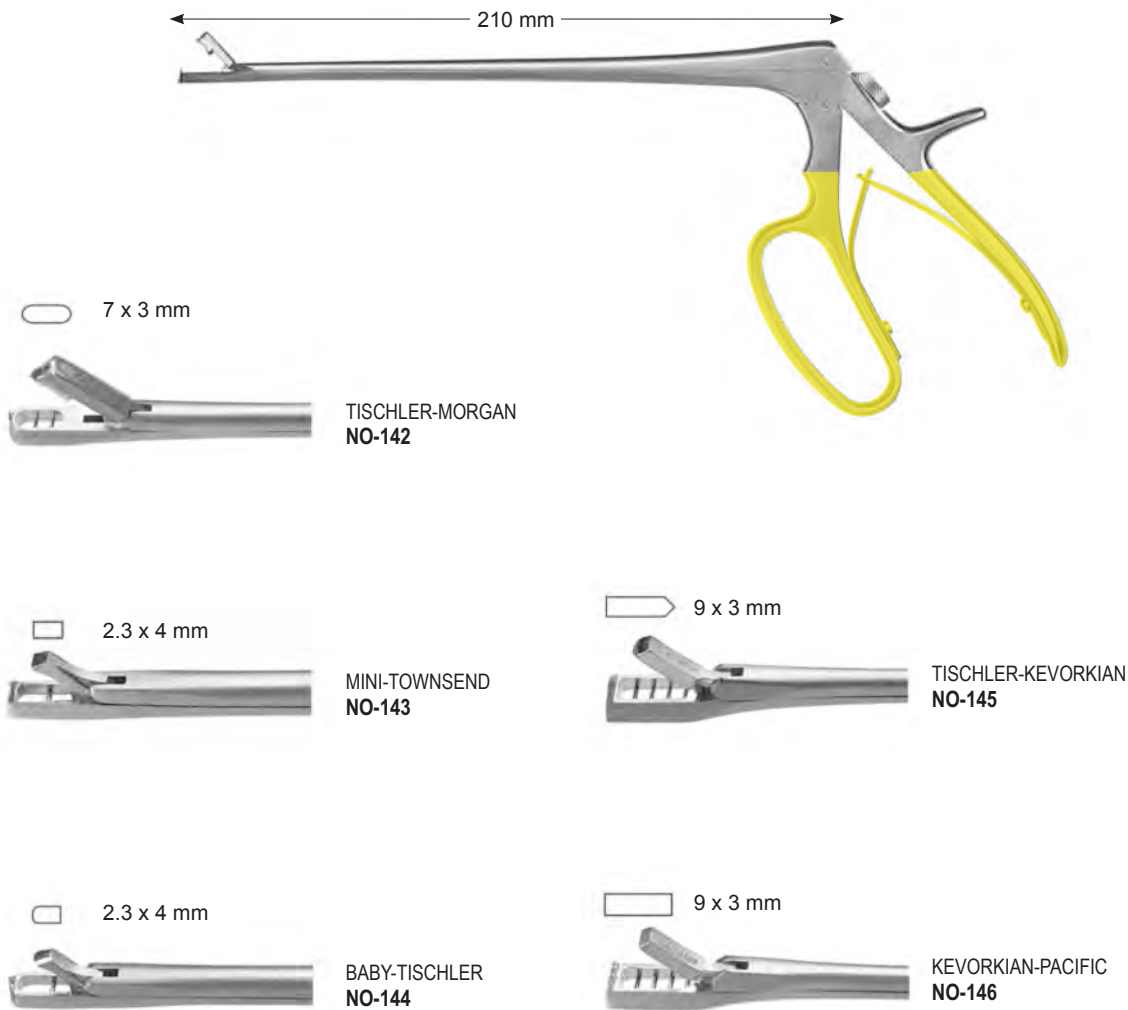


NO-140
BUMM
310 mm



CERVICAL BIOPSY AND SPECIMEN FORCEPS



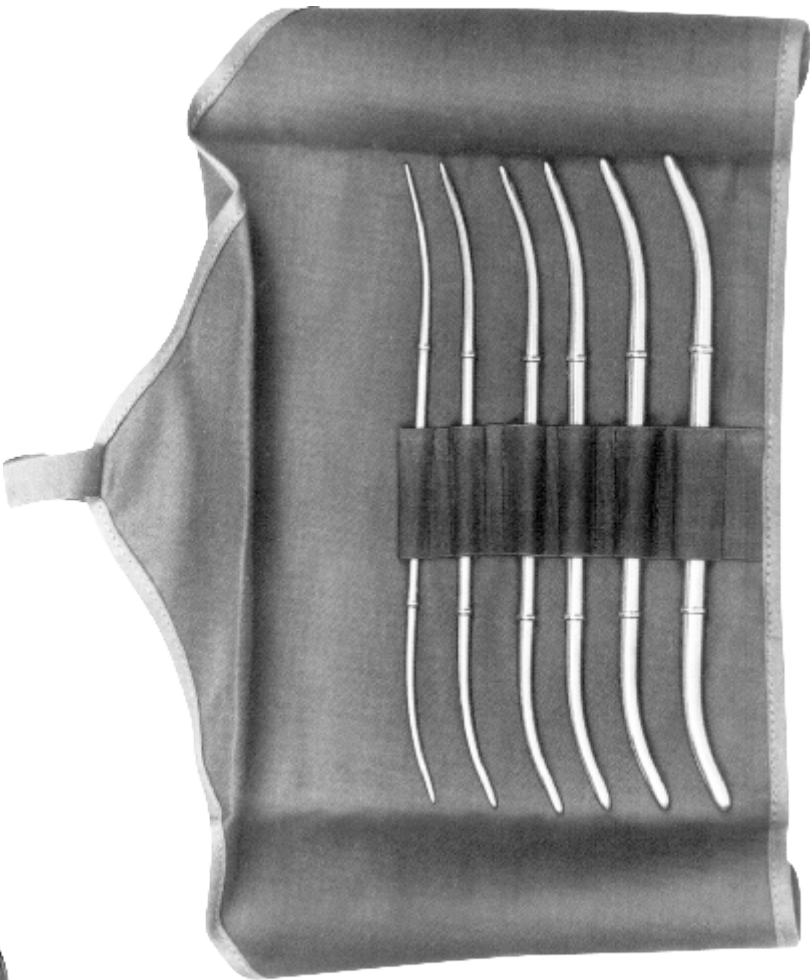


UTERINE DILATORS



1/2

Hank
NO-147 - 152
 26.5 cm
 American scale



Hank
NO-153
 Set of 6 piezas in boillable canvas roll

	Fig.	mm
NO-147	9/10	4.5/5.0
NO-148	11/12	5.5/6.0
NO-149	13/14	6.5/7.0
NO-150	15/16	7.5/8.0
NO-151	17/18	8.5/9.0
NO-152	19/20	9.5/10.0



NO-154
6 mm



NO-157
9 mm



NO-160
6 mm



NO-155
8 mm



NO-158
11 mm



NO-161
8 mm



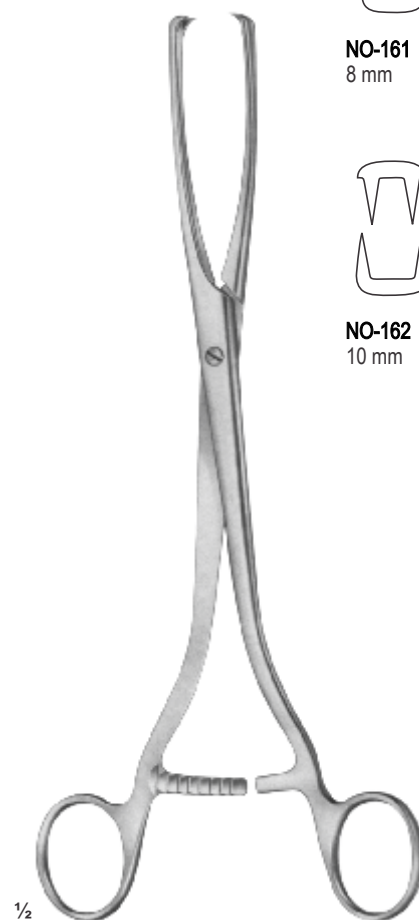
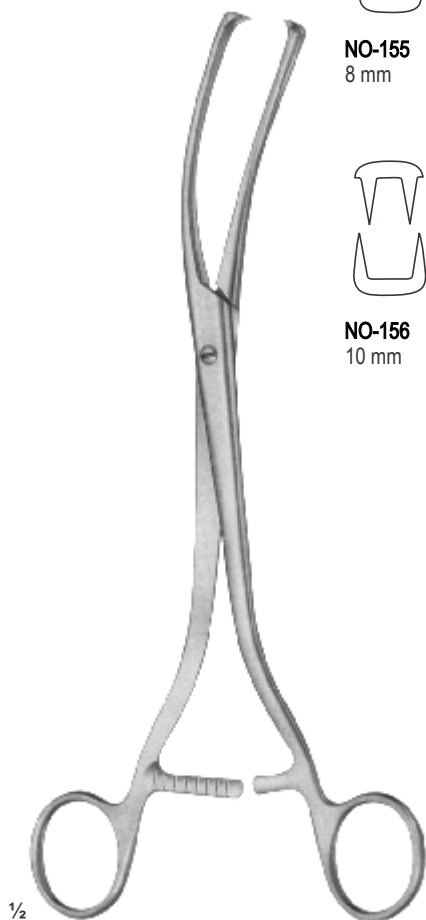
NO-156
10 mm



NO-159
13 mm



NO-162
10 mm



Museux
NO-154 - 156
24 cm
Curved sideways



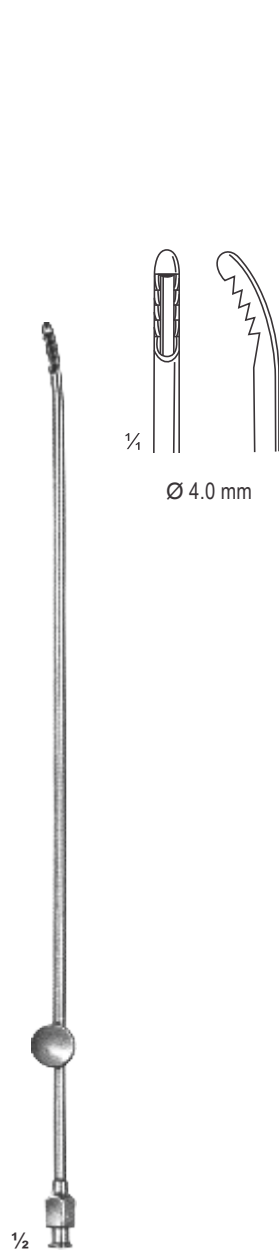
Museux
NO-157 - 159
24 cm
Curved sideways



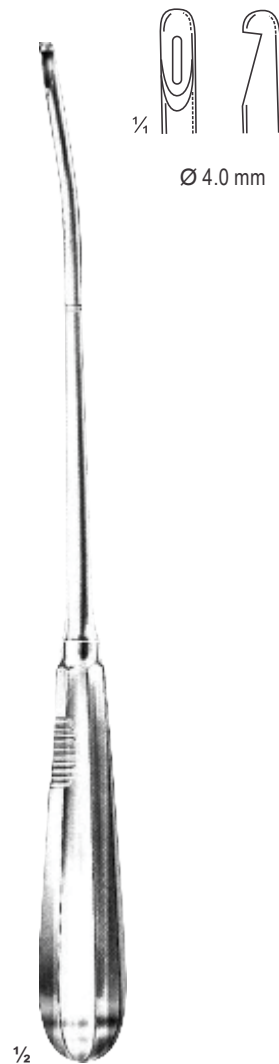
Museux
NO-160 - 162
24 cm



SUCTION CURETTES, BIOPSY CURETTES



Novak
NO-163
24.5 cm
Suctions curettes
with Luer-Lock connection



München
NO-164
27 cm
Uterine biopsy curette

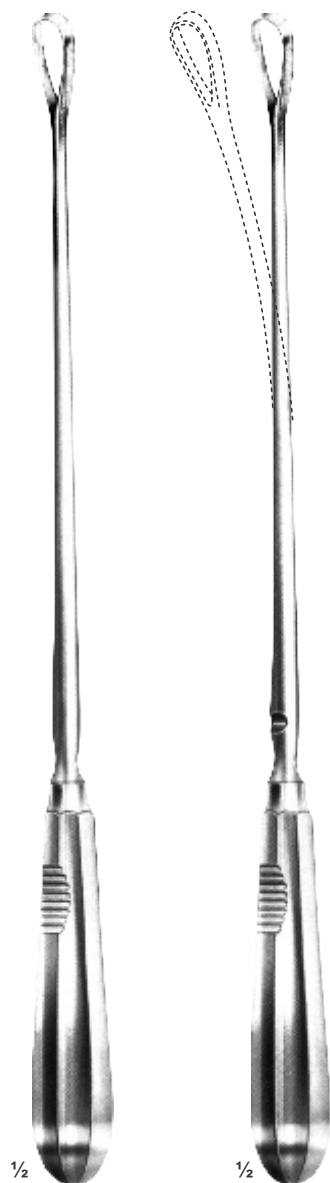


Kevorkian
NO-165 - 167
30 cm
Uterine biopsy curatte

Fig. 1
NO-165
Width 1.2 mm

Fig. 2
NO-166
Width 4 mm

Fig. 1
NO-167
Width 4 mm
with basket



Recamier
NO-168 - 185
Sharp, rigid

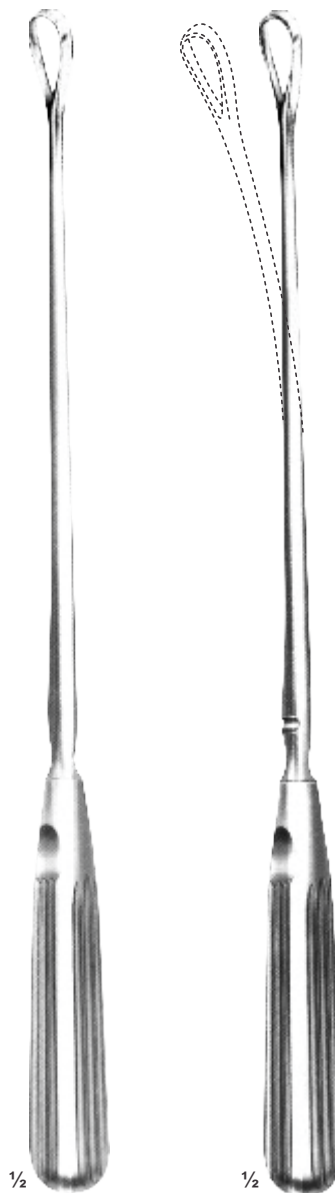
Recamier
NO-186 - 203
Sharp, malleable

Sharp Rigid

Fig. 00	NO-168	5 mm
Fig. 0	NO-169	6 mm
Fig. 1	NO-170	7 mm
Fig. 2	NO-171	8 mm
Fig. 3	NO-172	9 mm
Fig. 4	NO-173	11 mm
Fig. 5	NO-174	12 mm
Fig. 6	NO-175	14 mm
Fig. 7	NO-176	15 mm
Fig. 8	NO-177	16 mm
Fig. 9	NO-178	19 mm
Fig. 10	NO-179	20 mm
Fig. 11	NO-180	21 mm
Fig. 12	NO-181	23 mm
Fig. 13	NO-182	25 mm
Fig. 14	NO-183	30 mm
Fig. 15	NO-184	35 mm
Fig. 16	NO-185	40 mm

Sharp Malleable

Fig. 00	NO-186	5 mm
Fig. 0	NO-187	6 mm
Fig. 1	NO-188	7 mm
Fig. 2	NO-189	8 mm
Fig. 3	NO-190	9 mm
Fig. 4	NO-191	11 mm
Fig. 5	NO-192	12 mm
Fig. 6	NO-193	14 mm
Fig. 7	NO-194	15 mm
Fig. 8	NO-195	16 mm
Fig. 9	NO-196	19 mm
Fig. 10	NO-197	20 mm
Fig. 11	NO-198	21 mm
Fig. 12	NO-199	23 mm
Fig. 13	NO-200	25 mm
Fig. 14	NO-201	30 mm
Fig. 15	NO-202	35 mm
Fig. 16	NO-203	40 mm



Sims
NO-204 - 221
Blunt, rigid

Sims
NO-222 - 239
Blunt, malleable

Blunt Rigid

Fig. 00	NO-204	5 mm
Fig. 0	NO-205	6 mm
Fig. 1	NO-206	7 mm
Fig. 2	NO-207	8 mm
Fig. 3	NO-208	9 mm
Fig. 4	NO-209	11 mm
Fig. 5	NO-210	12 mm
Fig. 6	NO-211	14 mm
Fig. 7	NO-212	15 mm
Fig. 8	NO-213	16 mm
Fig. 9	NO-214	19 mm
Fig. 10	NO-215	20 mm
Fig. 11	NO-216	21 mm
Fig. 12	NO-217	23 mm
Fig. 13	NO-218	25 mm
Fig. 14	NO-219	30 mm
Fig. 15	NO-220	35 mm
Fig. 16	NO-221	40 mm

Blunt Malleable

Fig. 00	NO-222	5 mm
Fig. 0	NO-223	6 mm
Fig. 1	NO-224	7 mm
Fig. 2	NO-225	8 mm
Fig. 3	NO-226	9 mm
Fig. 4	NO-227	11 mm
Fig. 5	NO-228	12 mm
Fig. 6	NO-229	14 mm
Fig. 7	NO-230	15 mm
Fig. 8	NO-231	16 mm
Fig. 9	NO-232	19 mm
Fig. 10	NO-233	20 mm
Fig. 11	NO-234	21 mm
Fig. 12	NO-235	23 mm
Fig. 13	NO-236	25 mm
Fig. 14	NO-237	30 mm
Fig. 15	NO-238	35 mm
Fig. 16	NO-239	40 mm

Page 305–313

- Obstetrics
- Tracheotomy





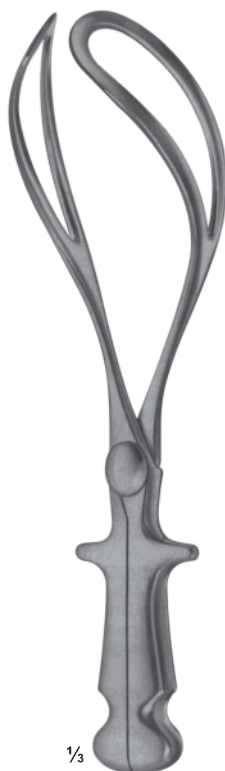
OP-007
HERFF
puncturing forceps
225 mm



OP-008
IOWA
puncturing forceps
260 mm



OP-009
SIMPSON-BRAUN
305mm



OP-010
355 mm



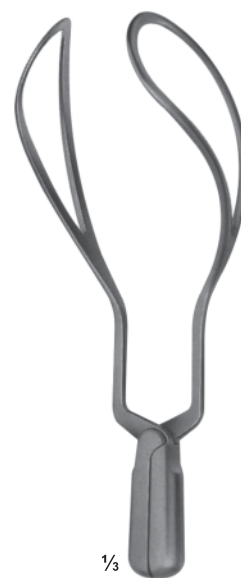
OP-011
400 mm



OP-012
SIMPSON-BRAUN
305mm



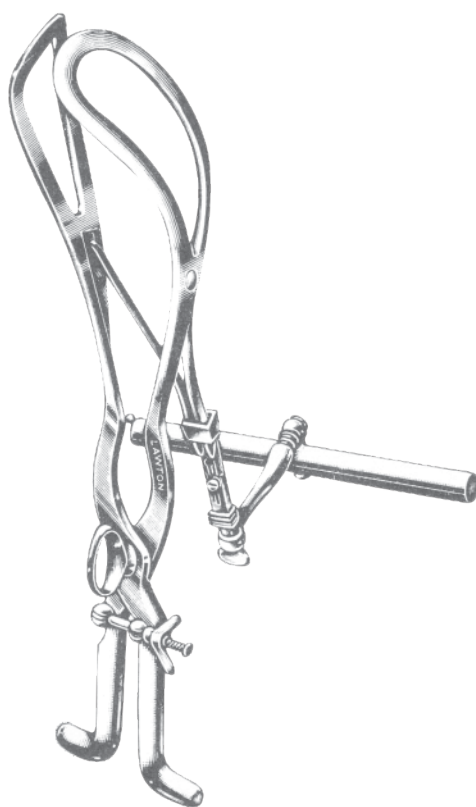
OP-013
SIMPSON
235mm



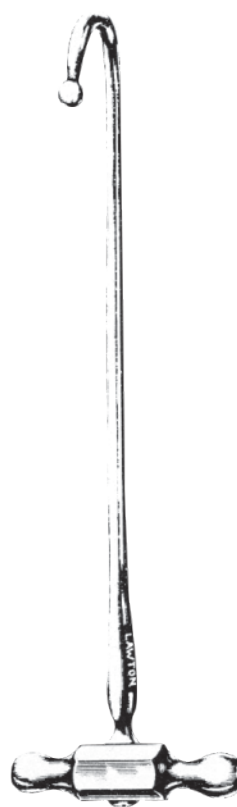
OP-014
WRIGLEY
250 mm



BRAUN
Cranioclast
OP-015
420 mm



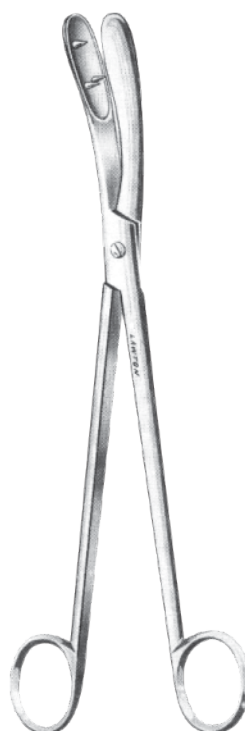
TARNIER
OP-016
400 mm



BRAUN
OP-017
310 mm



SMELLIE
OP-018
305 mm



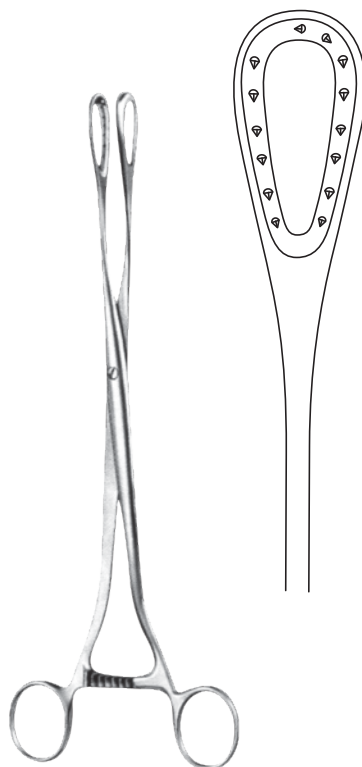
BOER
OP-019
290 mm



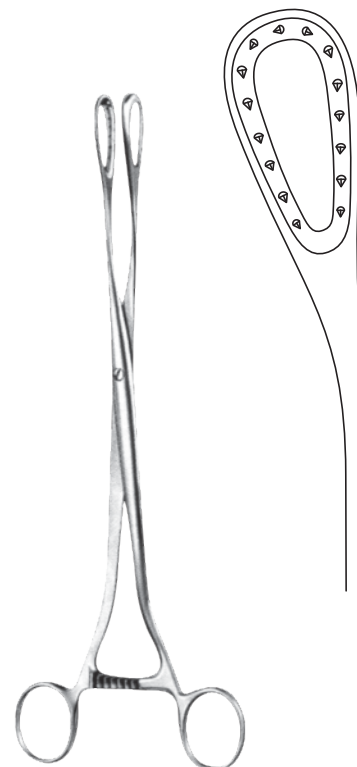
SMELLIE
Perforator
OP-020
270 mm



**GREEN-ARMYTAGE
OP-021**
Caesarean section haemostatic
forceps, for edges of the transverse
incision in the lower segment
220 mm



**SANGER
OP-022**
275 mm



**SANGER
OP-023 - 024**
OP-023 270 mm
OP-024 290 mm



**GAUSS
OP-025**
Scalpel Flap
forceps
260 mm

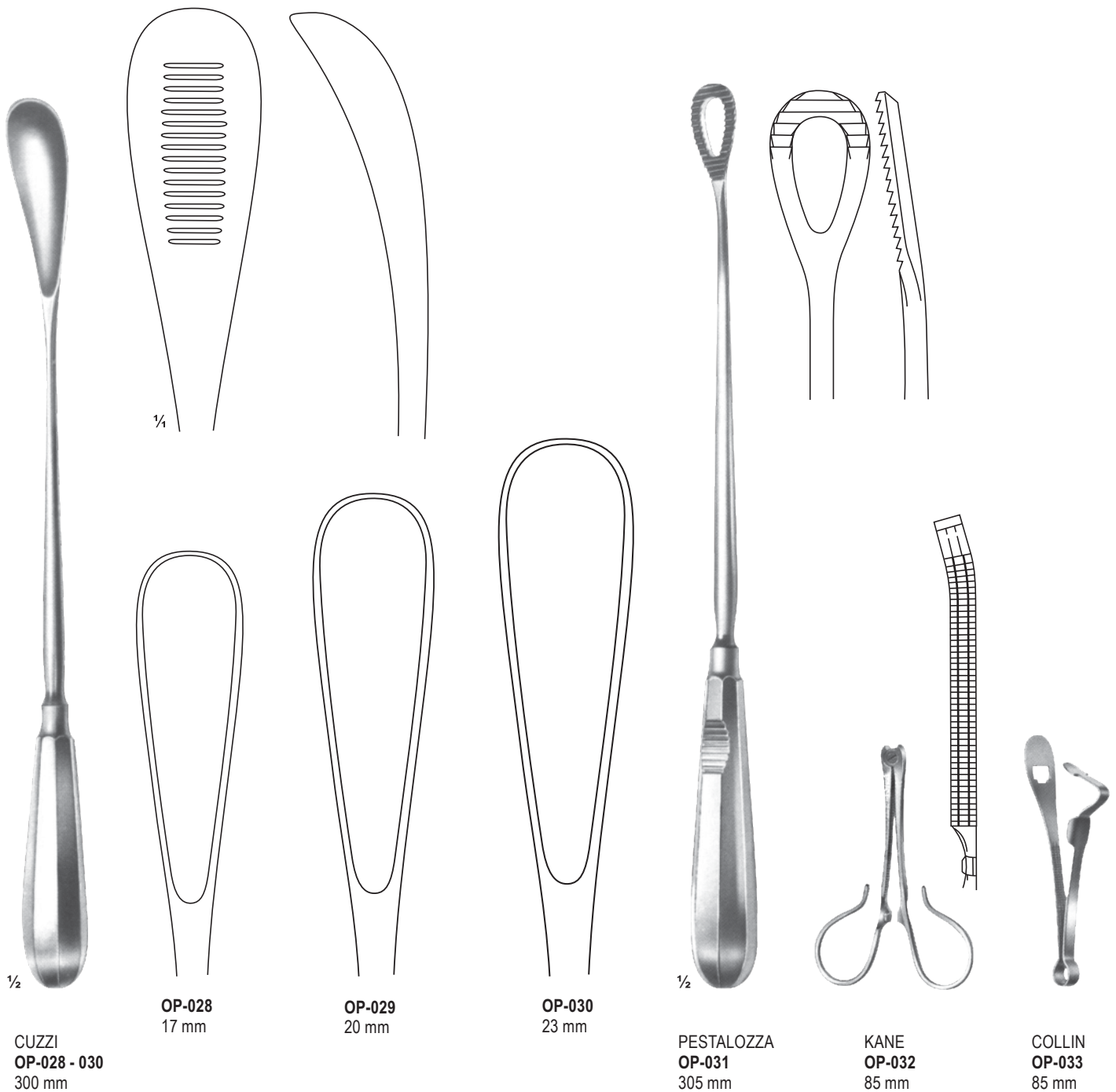


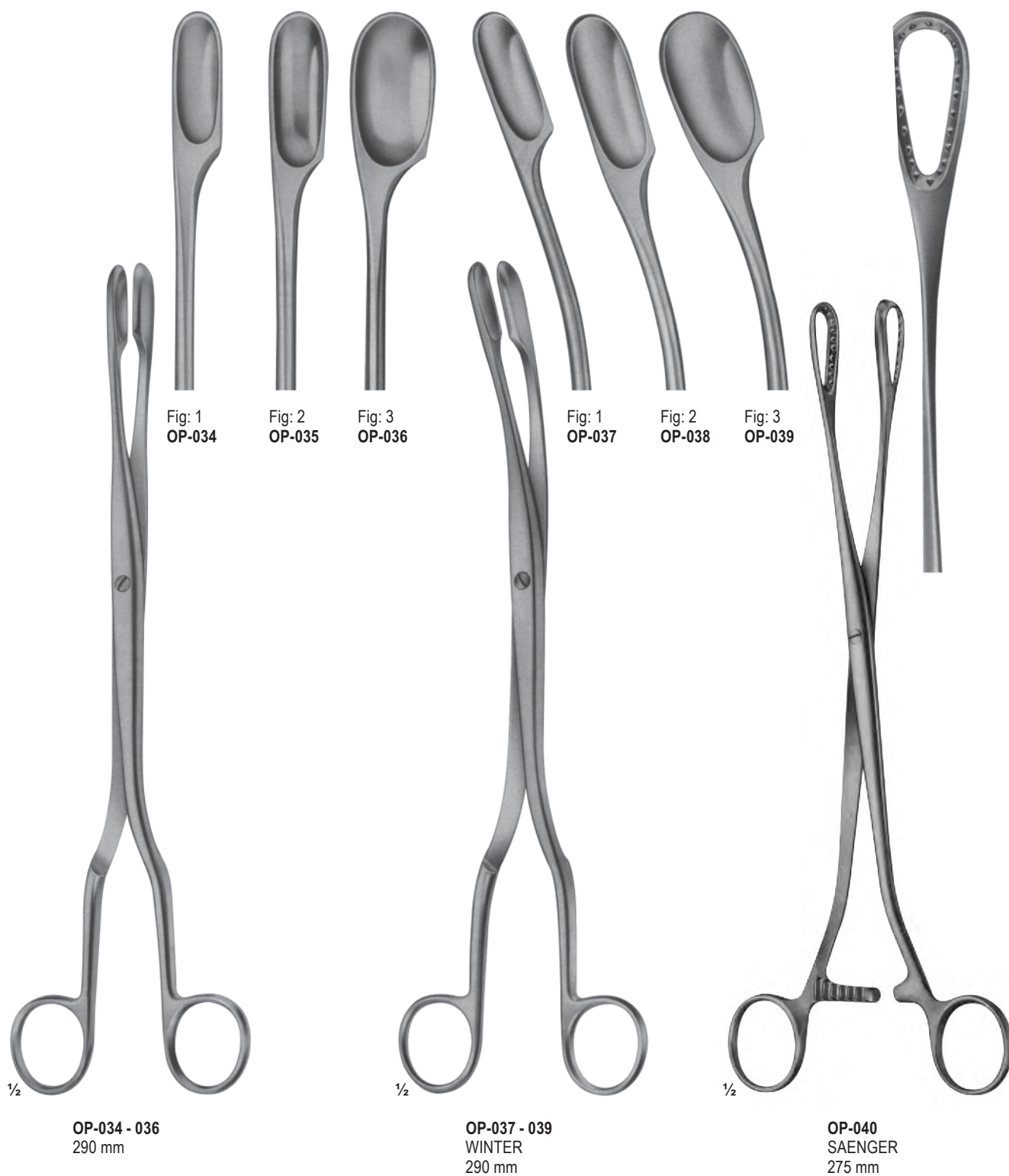
**WILLETT
OP-026**
Scalpel Flap
forceps
185 mm

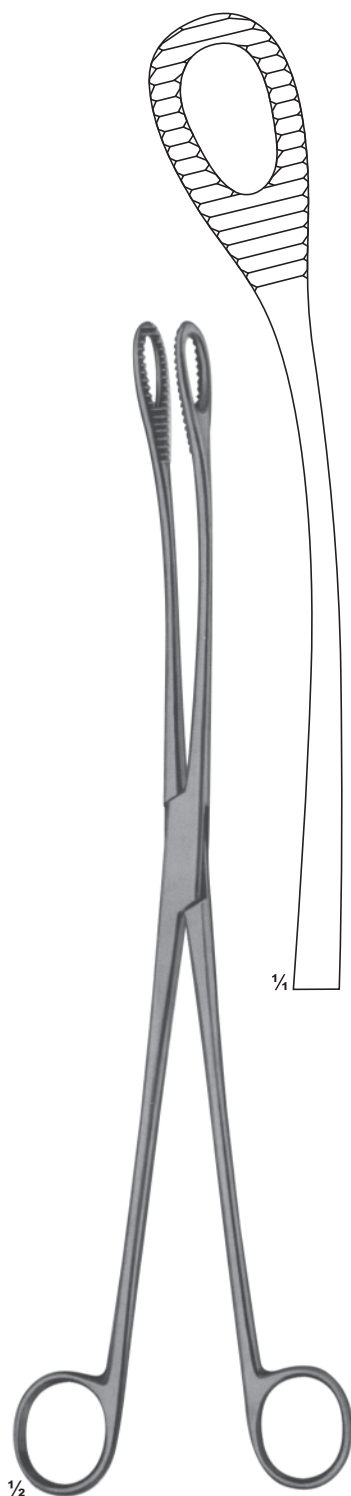


**SELLHEIM
OP-027**
320 mm

PLACENTA SCOOPS, UMBILICAL CORD CLAMPS



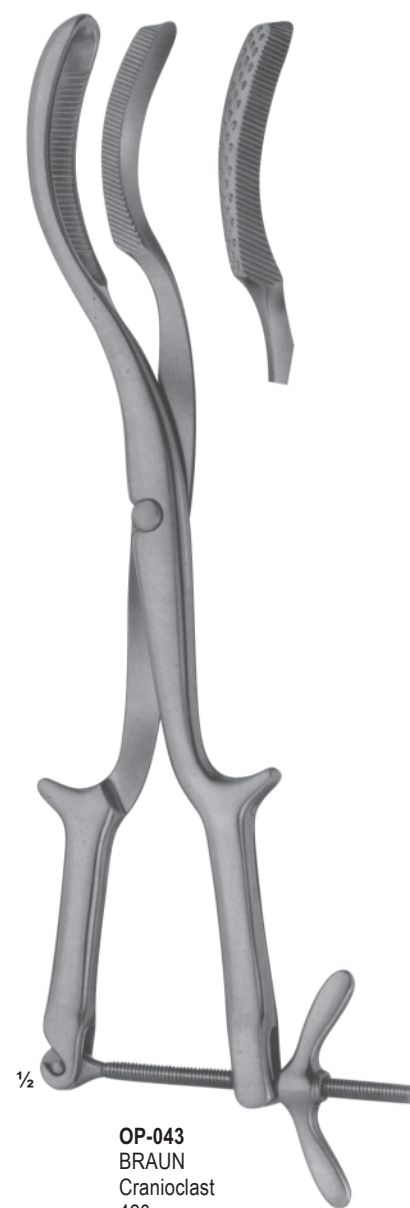




OP-041
KELLY
320mm



OP-042
SMELLIE
Perforator
270mm



OP-043
BRAUN
Cranioclast
420mm



OP-044
BOSE
165 mm



OP-045
BOSE
165 mm



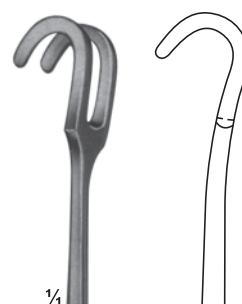
OP-046 - 048
180 mm



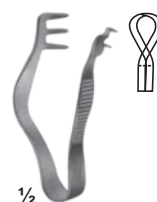
OP-046
sharp



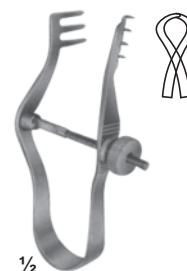
OP-047
blunt



OP-048
stumpf/blunt



OP-049
FINSEN
50 mm



OP-050
FINSEN
70 mm



OP-051
TROUSSEAU
120 mm



OP-052
LABORDE
125 mm



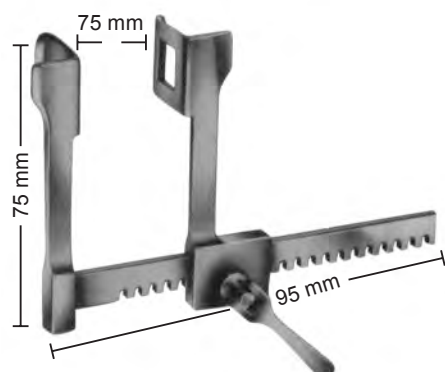
OP-053
LABORDE
strong pattern
135 mm



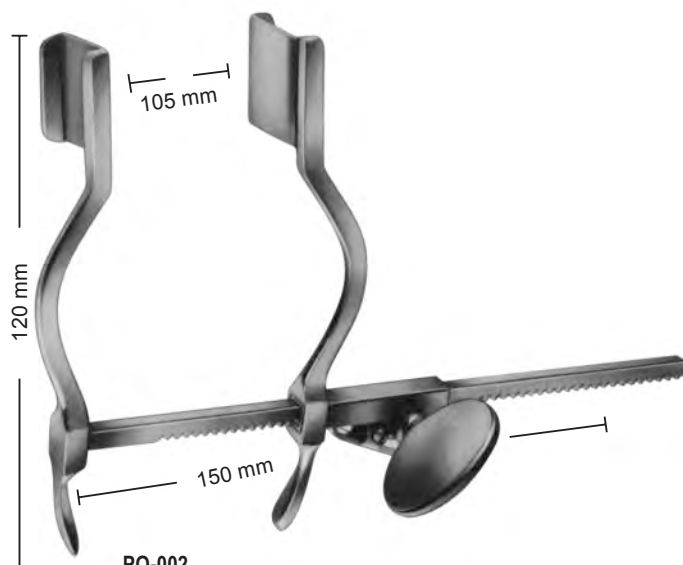
OP-054
Cleaning Brush
for tracheal tubes
285 mm

Page 314–376

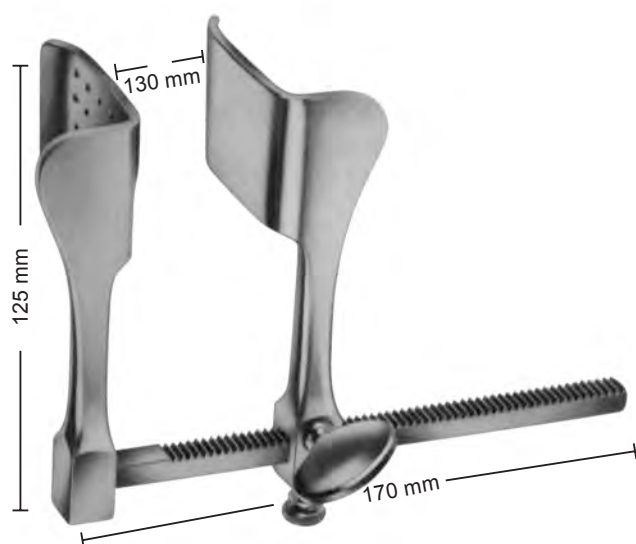
- Cardiovascular And Thoracic
- Surgery Muller Vessel Clips
- Bulldog Clamps



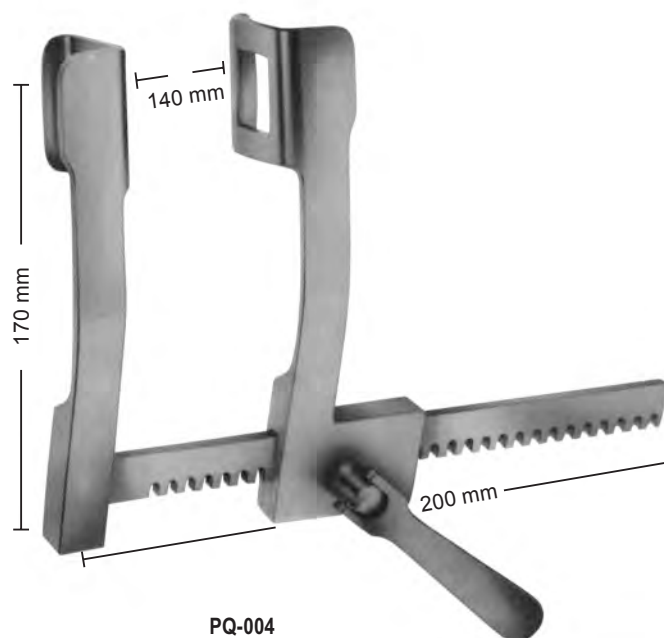
PQ-001
FINOCHIETTO
for children
18X21 mm



PQ-002
HERTZLER
for children
20X25 mm

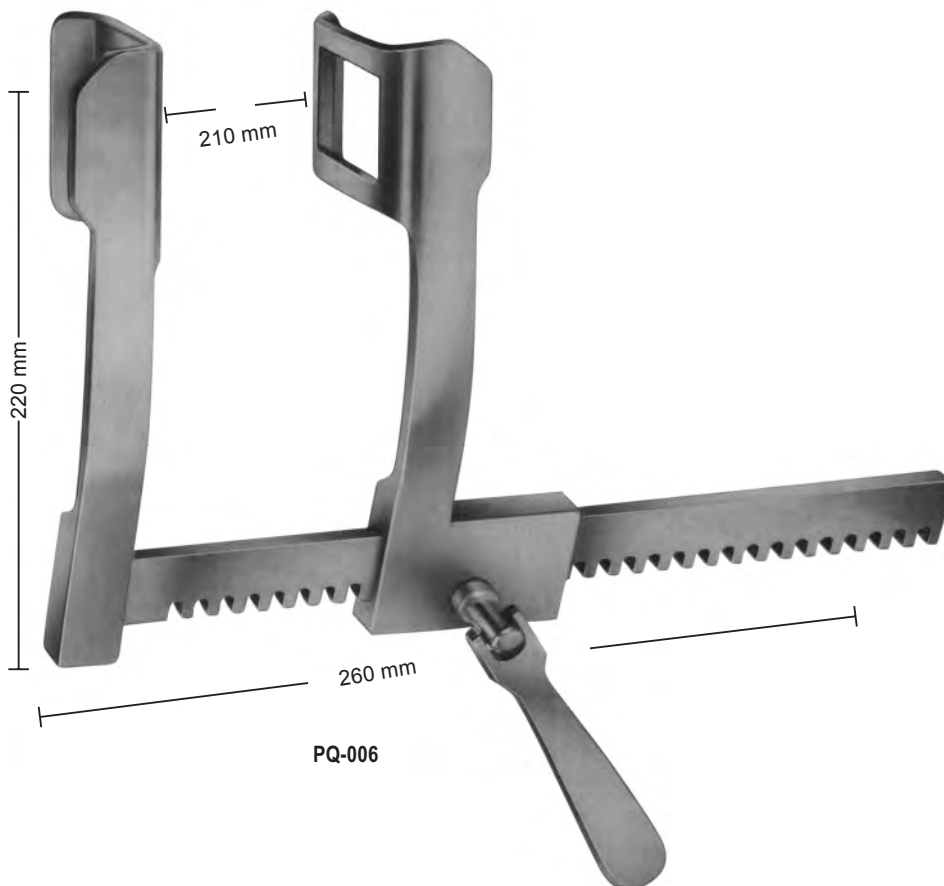
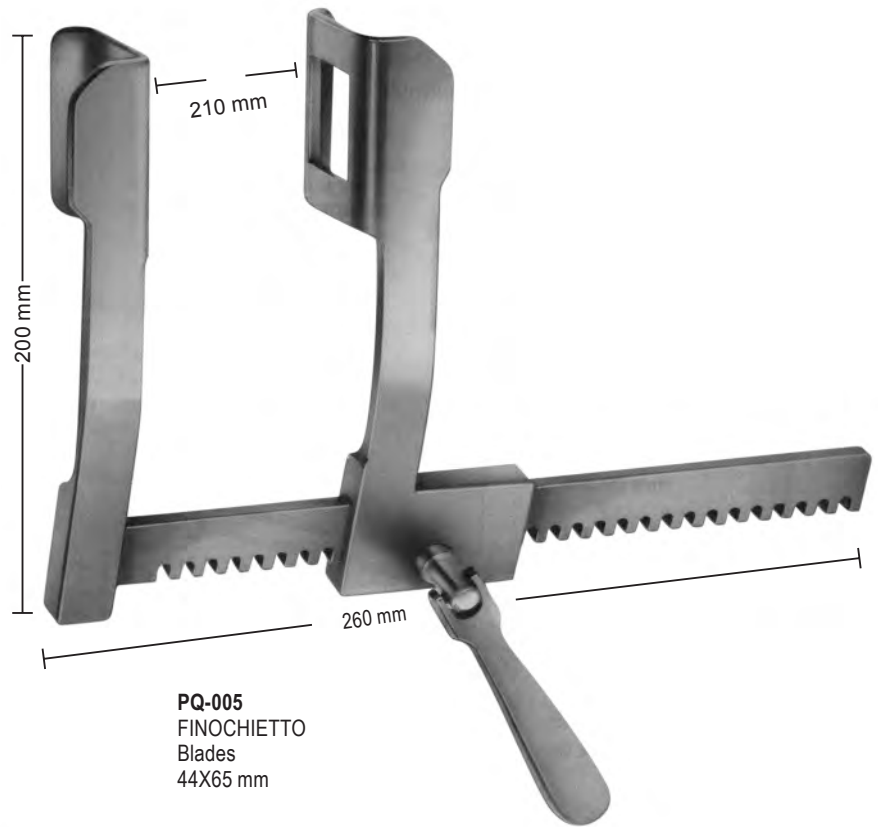


PQ-003
TUFFIER
Blades
43X53 mm



PQ-004
FINOCHIETTO
Blades
36X45 mm

RIB SPREADERS





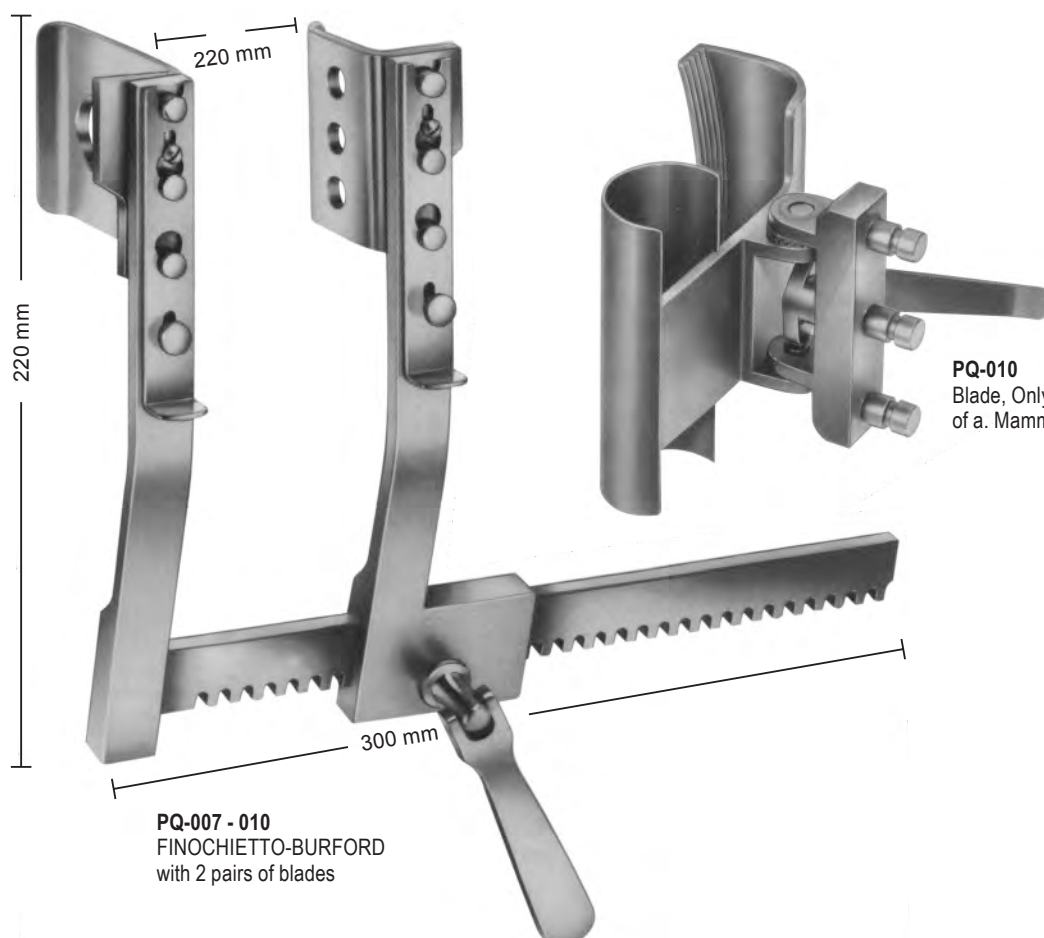
PQ-007
Blades
46x67 mm



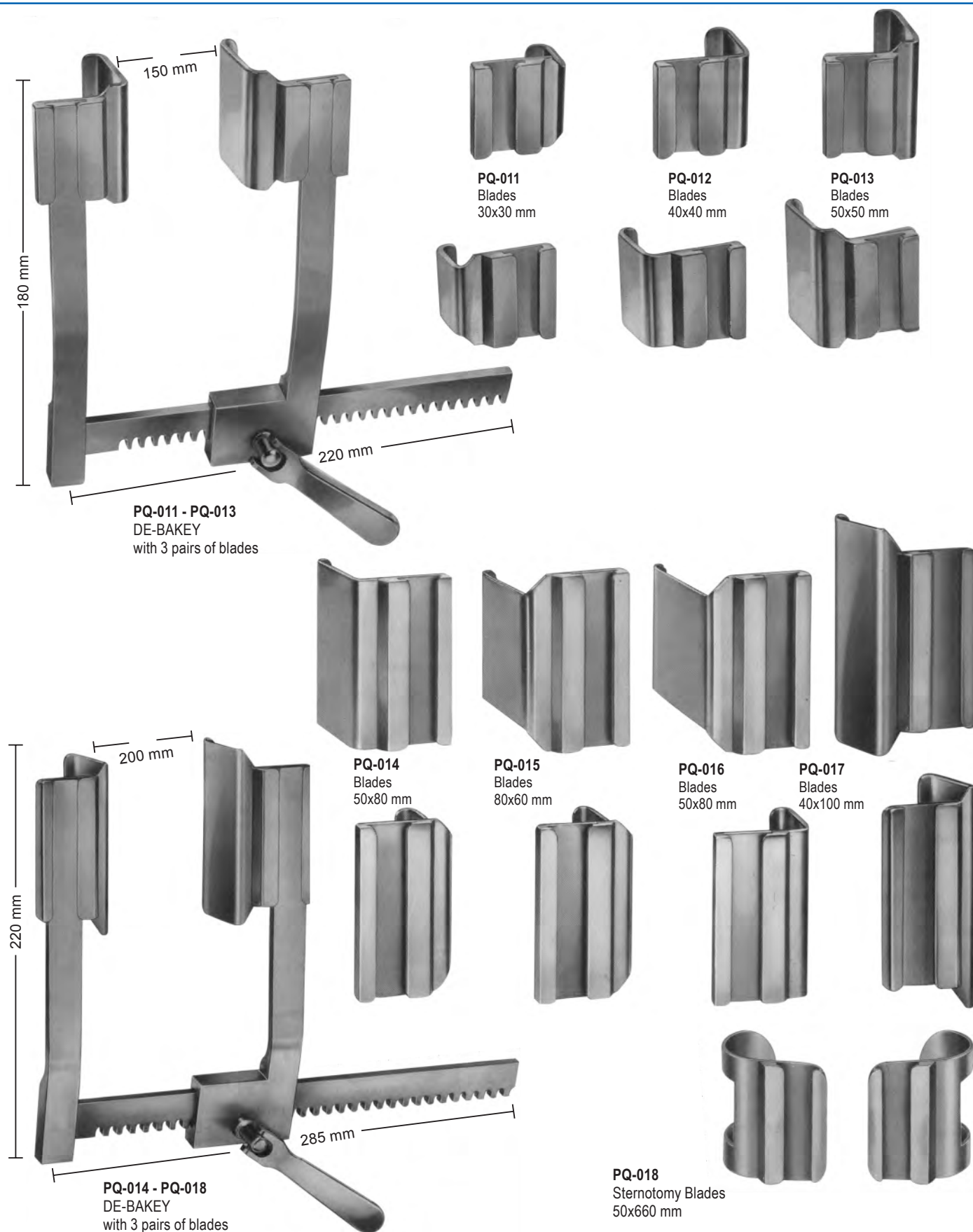
PQ-008
Blades
80x67 mm

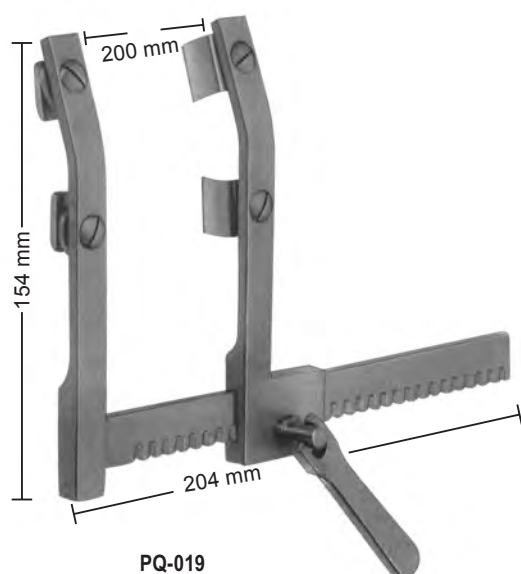


PQ-009
Blades
46x67 mm

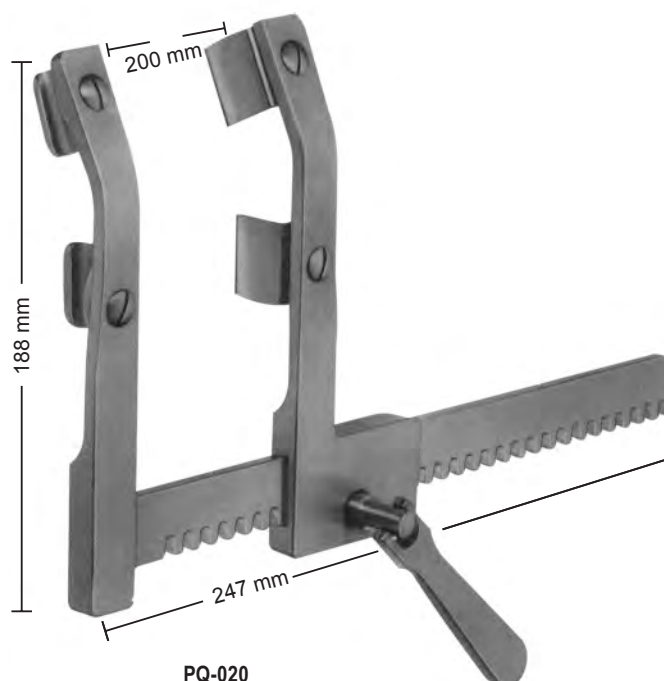


RIB SPREADERS



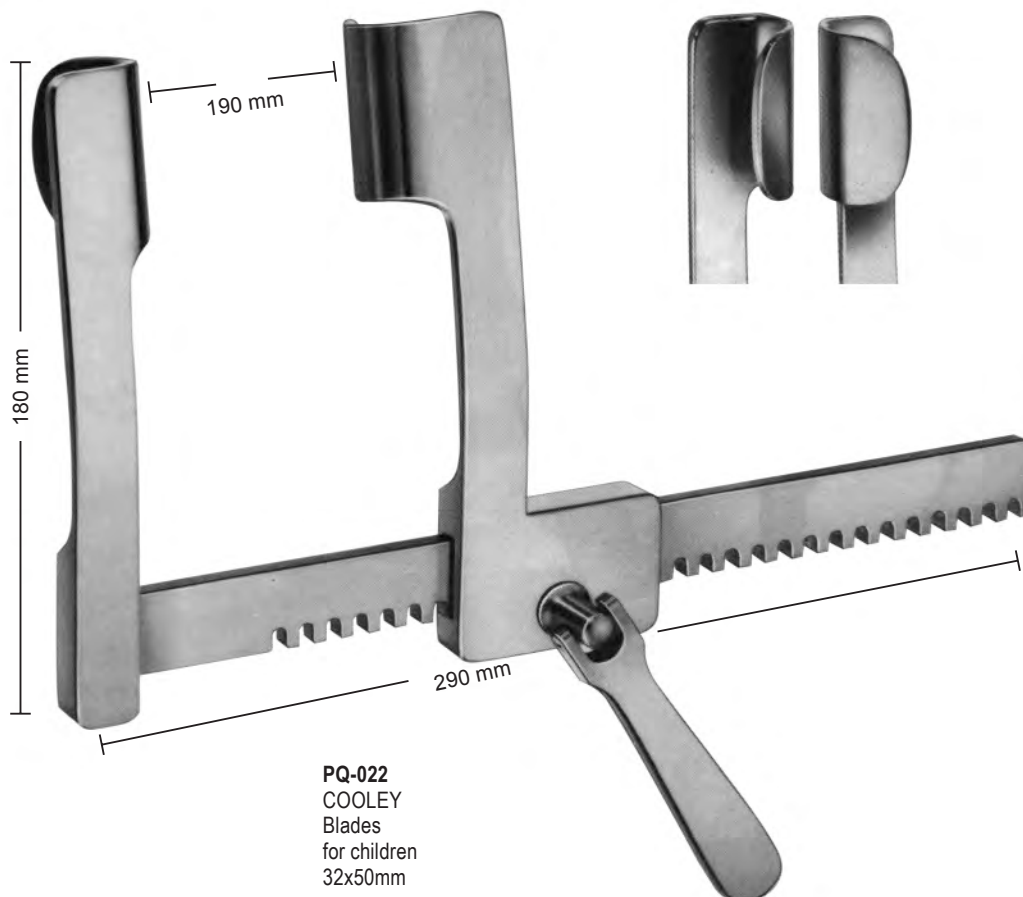
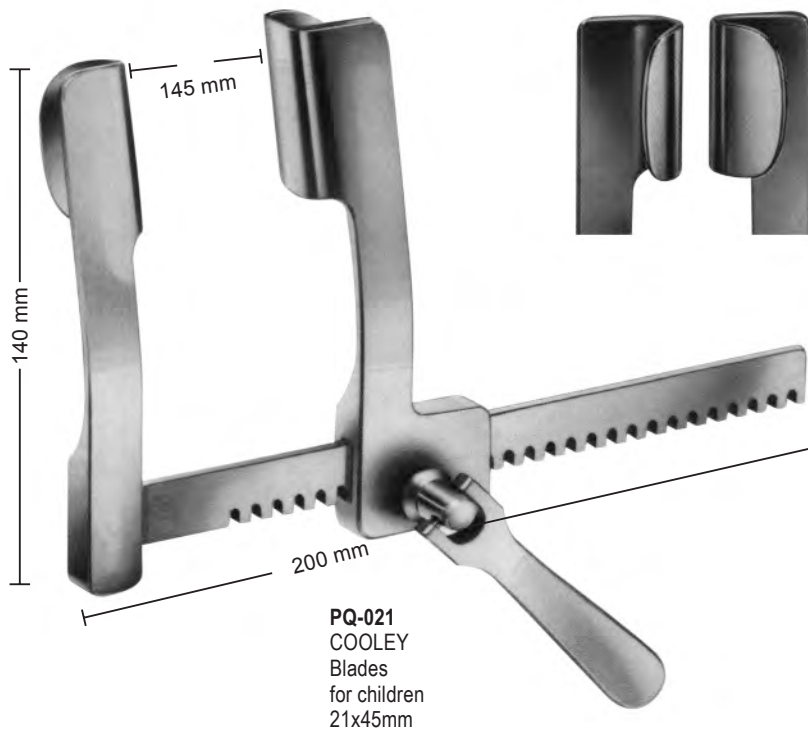


PQ-019
MORSE
Sternotomy spreader
for children, with moveable
double, each blade
12x20 mm

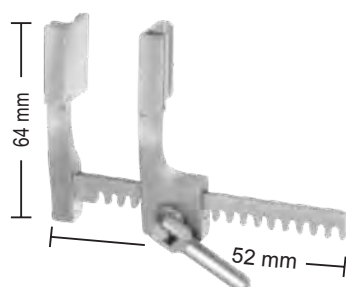


PQ-020
MORSE
Sternotomy spreader
for adults, with moveable
double, each blade
19x19 mm

STERNUM-SPREADERS



STAINLESS STEEL



PQ-023 - PQ-024
for blades, with 2 pairs of blades
9X20 mm 9X10 mm, spreading 52 mm

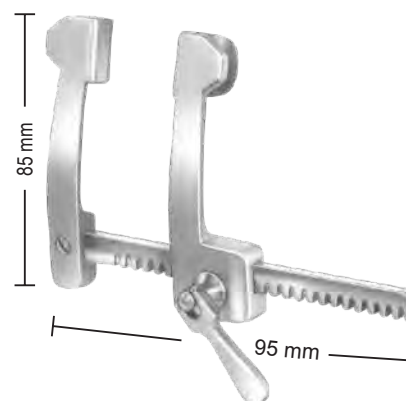


PQ-023
Blades, only
9x20 mm



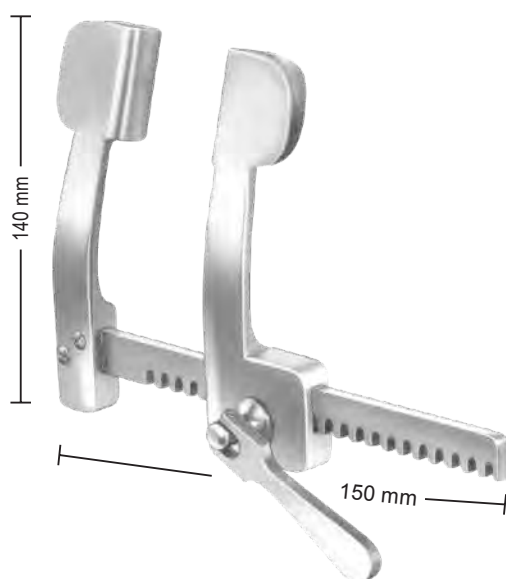
PQ-024
Blades, only
9x10 mm

ALUMINIUM



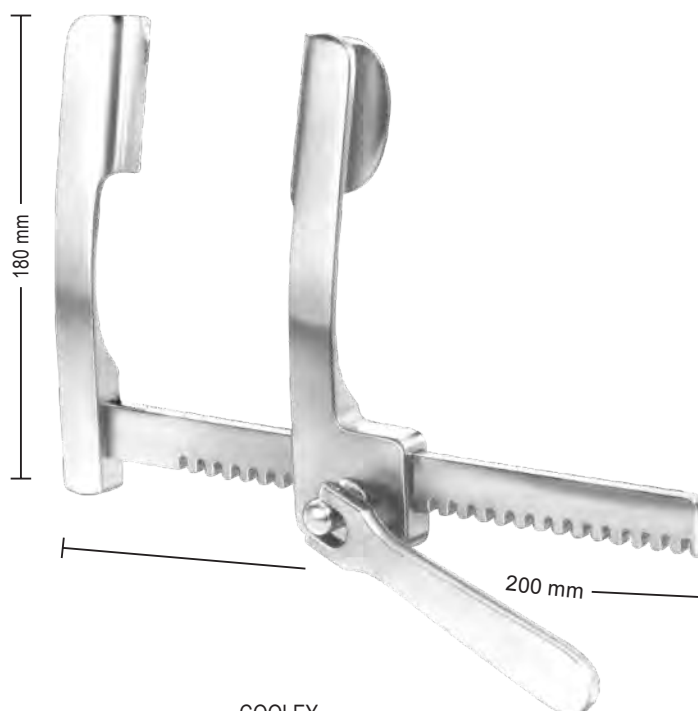
COOLEY PQ-025
for blades, lateral blades 12X16 mm,
spreading 95 mm

ALUMINIUM



COOLEY PQ-026
for children, lateral blades 21X44 mm,
spreading 150 mm

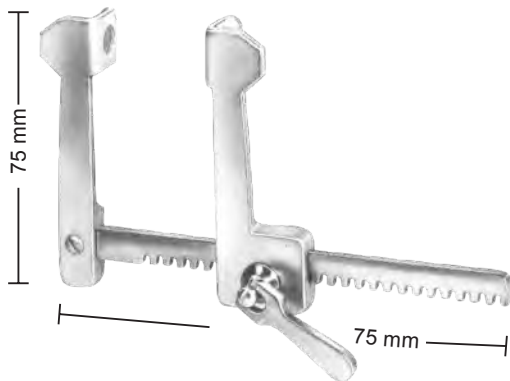
ALUMINIUM



COOLEY PQ-027
for adults, lateral blades 35X50 mm,
spreading 200 mm

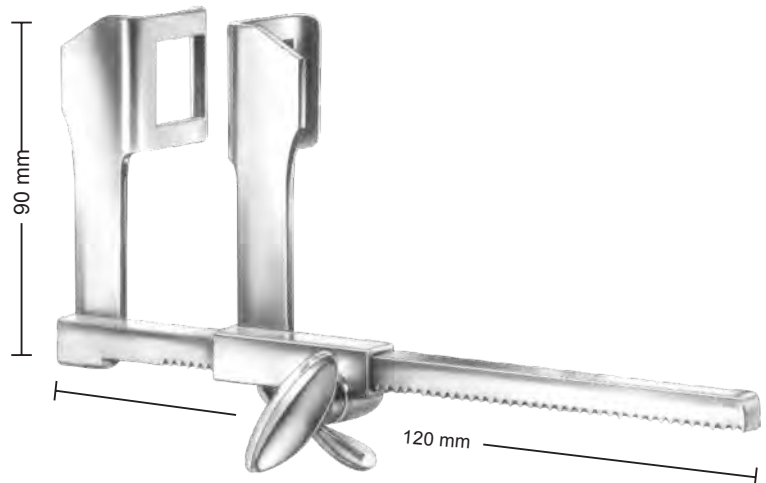
RIB RETRACTORS

ALUMINIUM



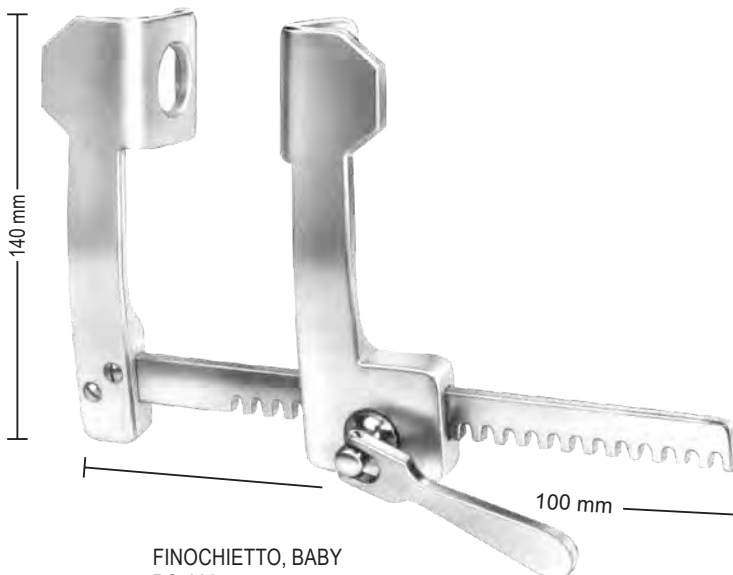
FINOCHIETTO, INFANT
PQ-028
for children, lateral blades 15X15 mm,
spreading 75 mm

STAINLESS STEEL

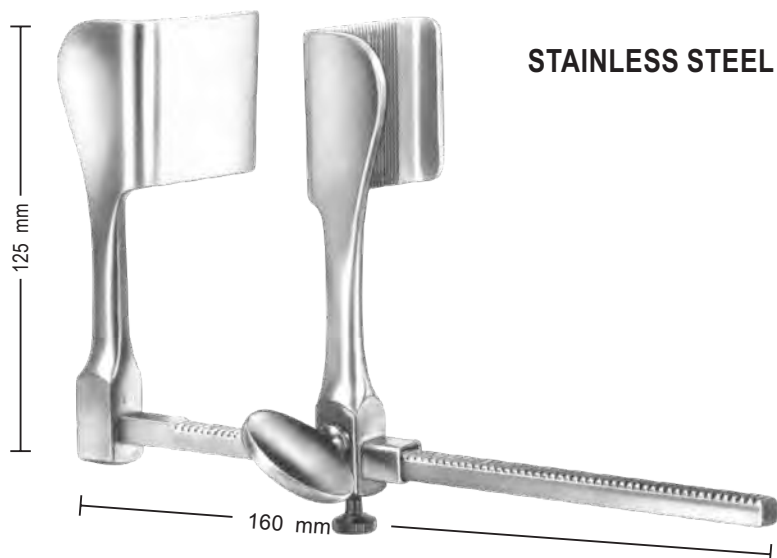


HAIGHT
PQ-029
lateral blades 30X30 mm,
spreading 120 mm

ALUMINIUM

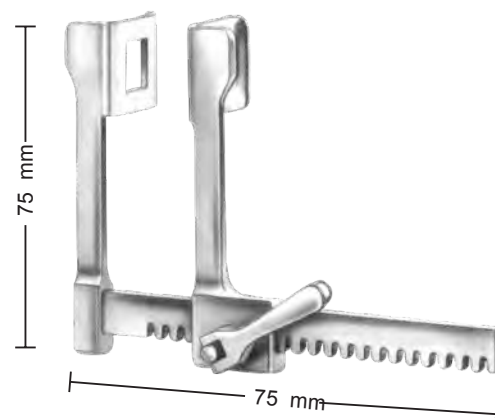


FINOCHIETTO, BABY
PQ-030
for children, lateral blades 31X31 mm,
spreading 100 mm



STAINLESS STEEL

TUFFIER
PQ-031
lateral blades 45X45 mm,
spreading 160 mm



STAINLESS STEEL

FINOCHIETTO, BABY
PQ-032
lateral blades 14X15 mm,
spreading 75 mm



STAINLESS STEEL

FINOCHIETTO
PQ-033
lateral blades 30X45 mm, 46X62 mm, 80X65 mm,
spreading 150 mm, 190 mm, 190 mm



THORACIC RETRACTORS



PQ-035
Blades
75x75 mm



PQ-036
Blades
42x65 mm



Blades with Ball Snap System
Delivery: in Pairs

PQ-034 - PQ-036
Thoraxsperrer (Mercedes-Sperrer)
complete consisting of:
PQ-034 Retractor only
PQ-035 1 Pair of blades 42x65 mm
PQ-036 1 Pair of blades 75x75 mm



PQ-037
SELLORS
Rib spreader and contractor
with swivel blades
200 mm



PQ-038
BAILEY
150 mm

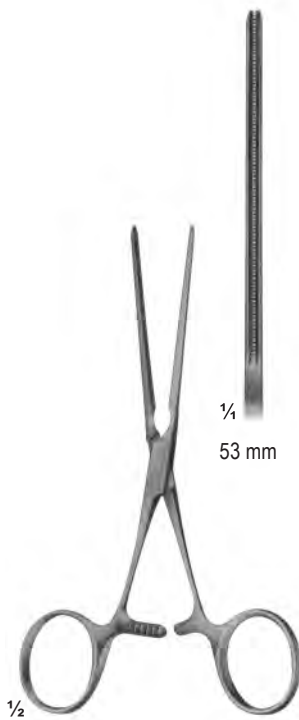


PQ-039
for children

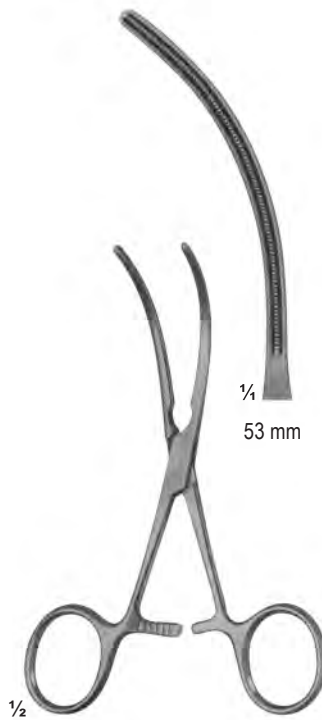
PQ-040
for children

PQ-039 - PQ-041
BAILEY
200 mm

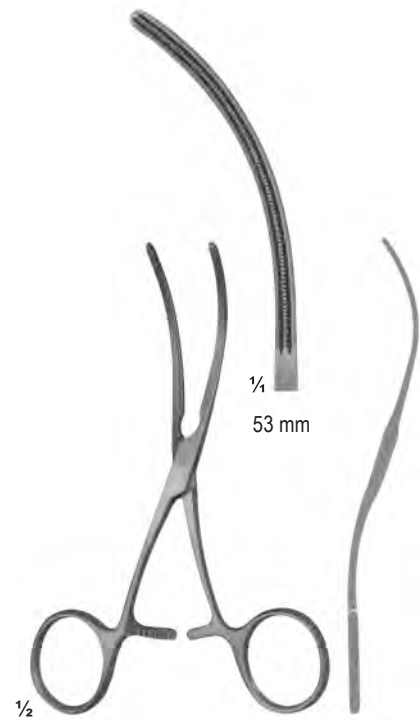
RING HANDLE BULLDOG CLAMPS



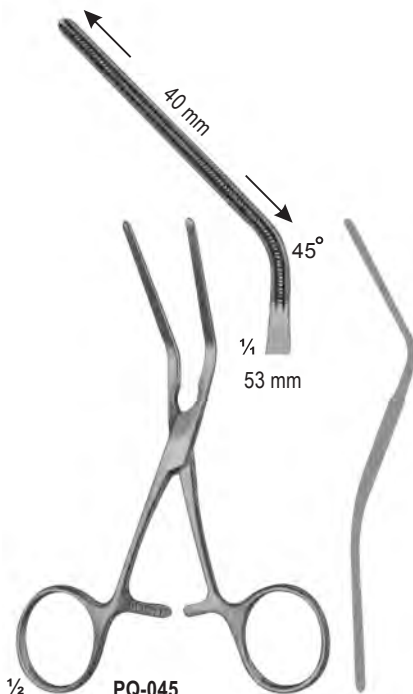
PQ-042
DE-BAKEY
gerade straight
130 mm



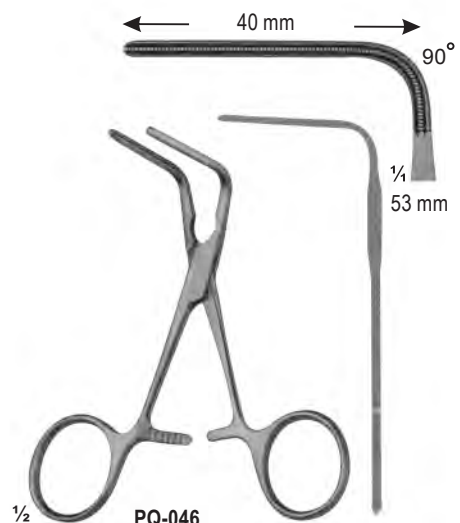
PQ-043
DE-BAKEY
Maul gebogen
curved jaws
125 mm



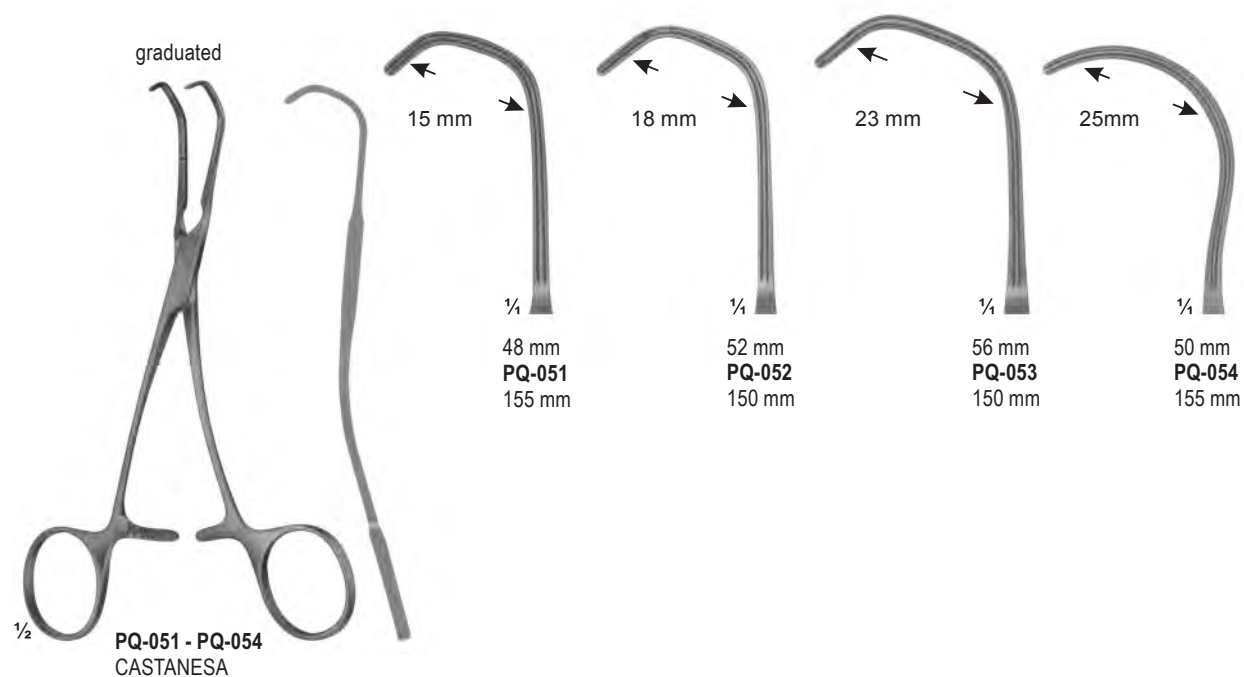
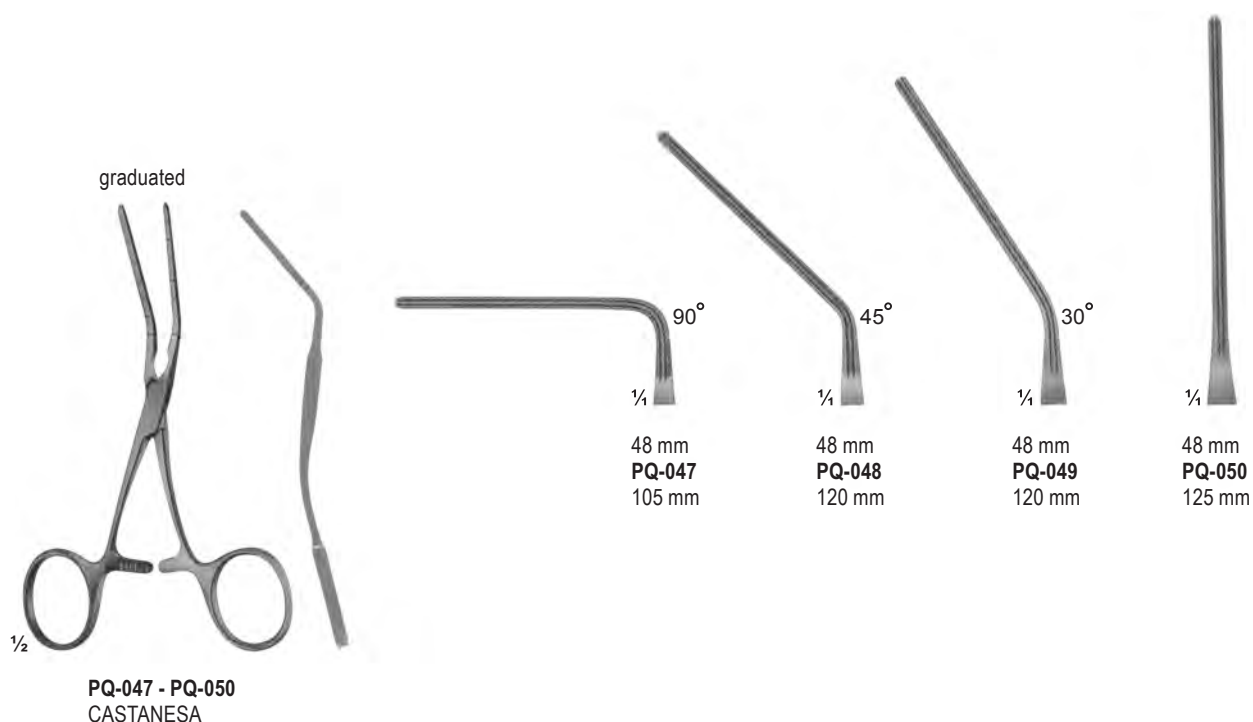
PQ-044
DE-BAKEY
S-shaped curved
125 mm



PQ-045
DE-BAKEY
45° winklig gebogen
angled 45°
125 mm

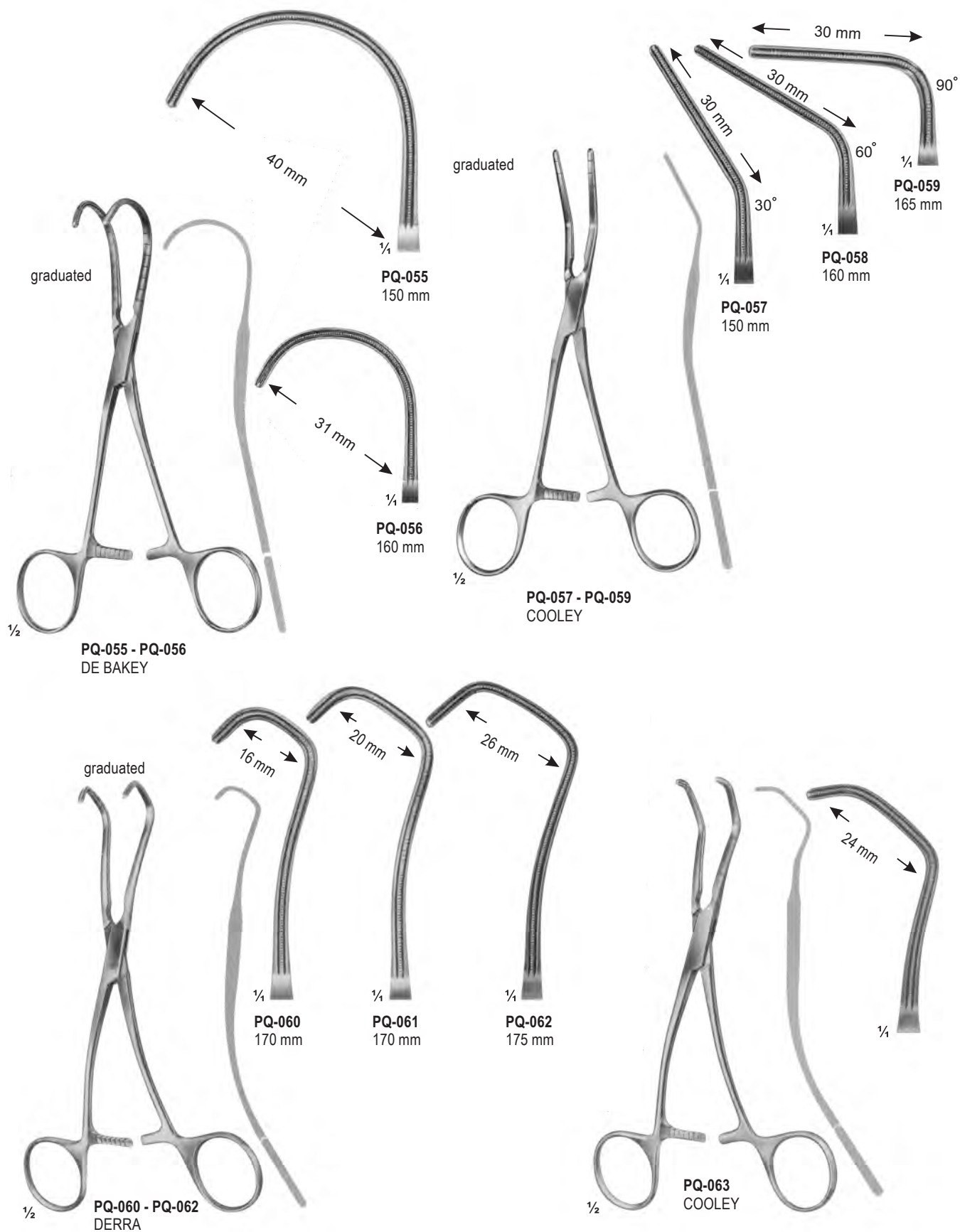


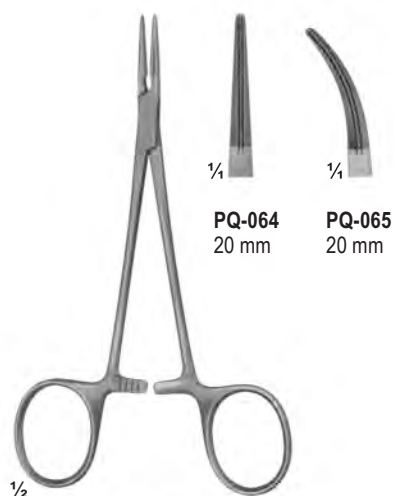
PQ-046
DE-BAKEY
90° winklig gebogen
angled 90°
105 mm



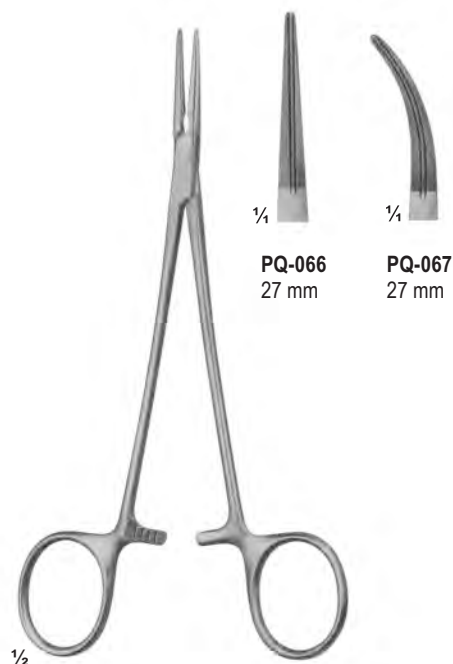


ANASTOMOSIS AND MULTI-PURPOSE-CLAMPS-PEDIATRIC TYPES

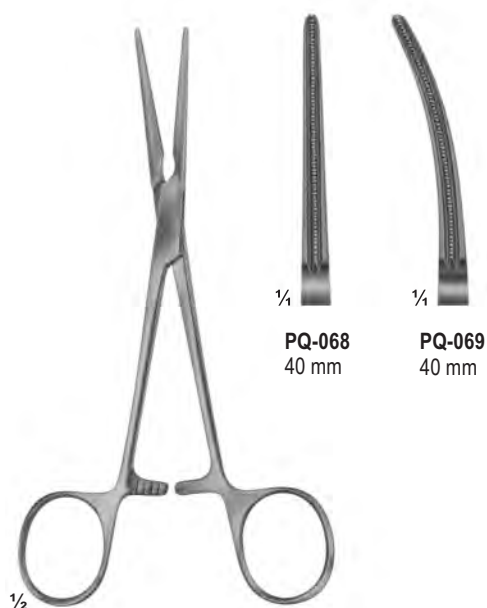




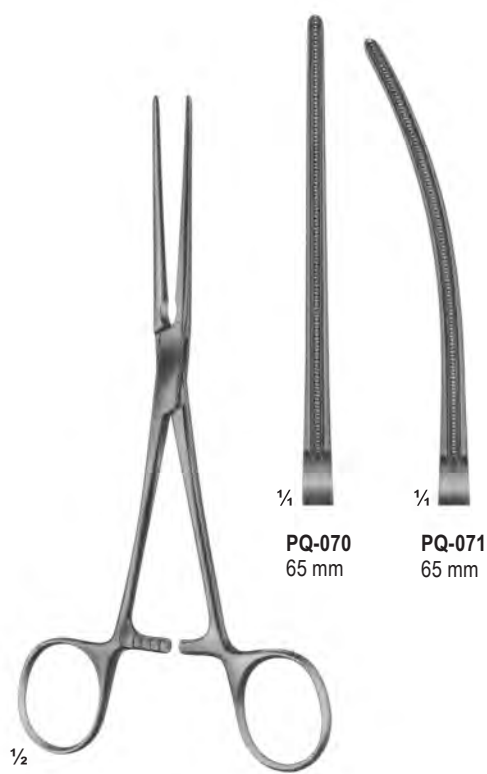
PQ-064 - PQ-065
HALSTED
125 mm



PQ-066 - PQ-067
RANKIN
165 mm

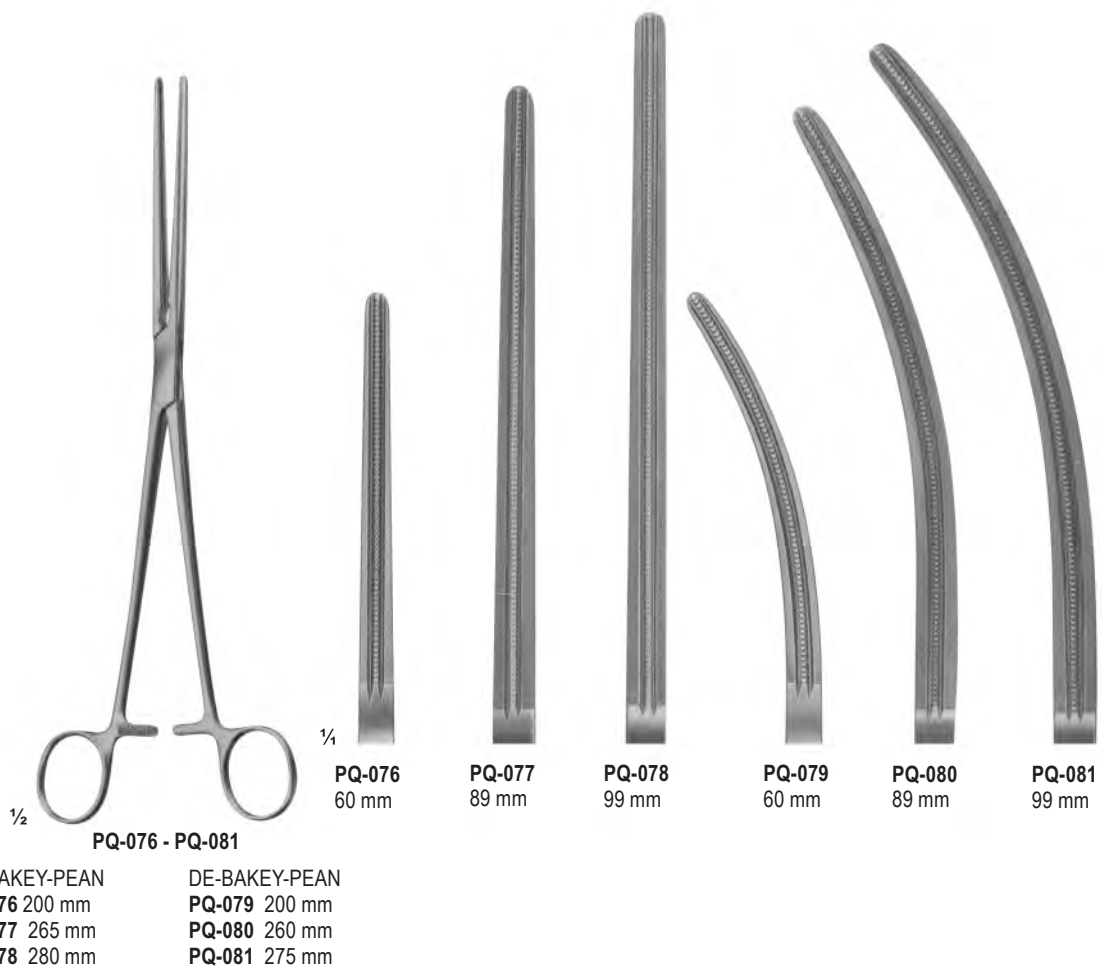
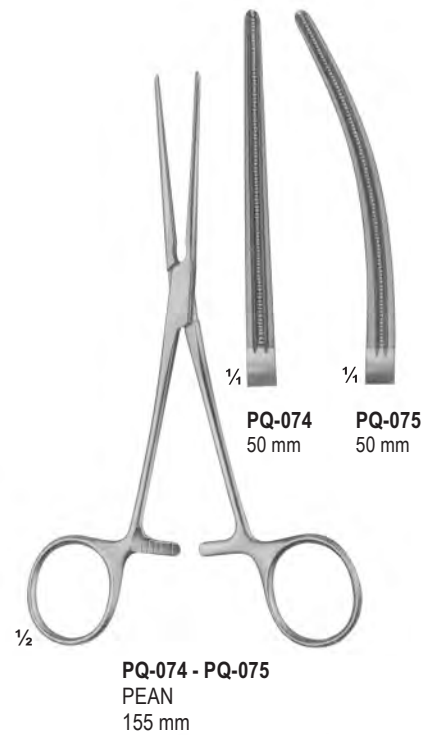
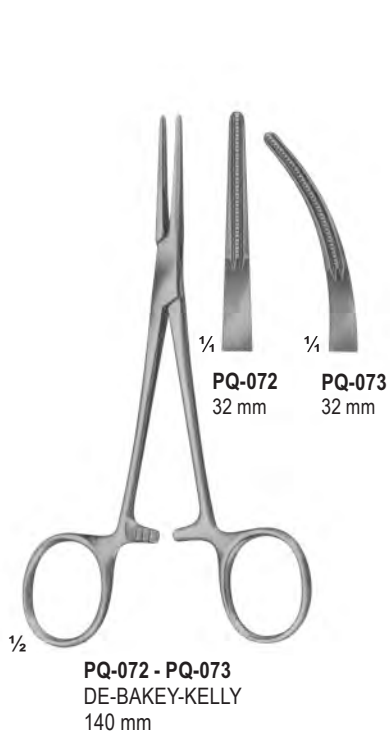


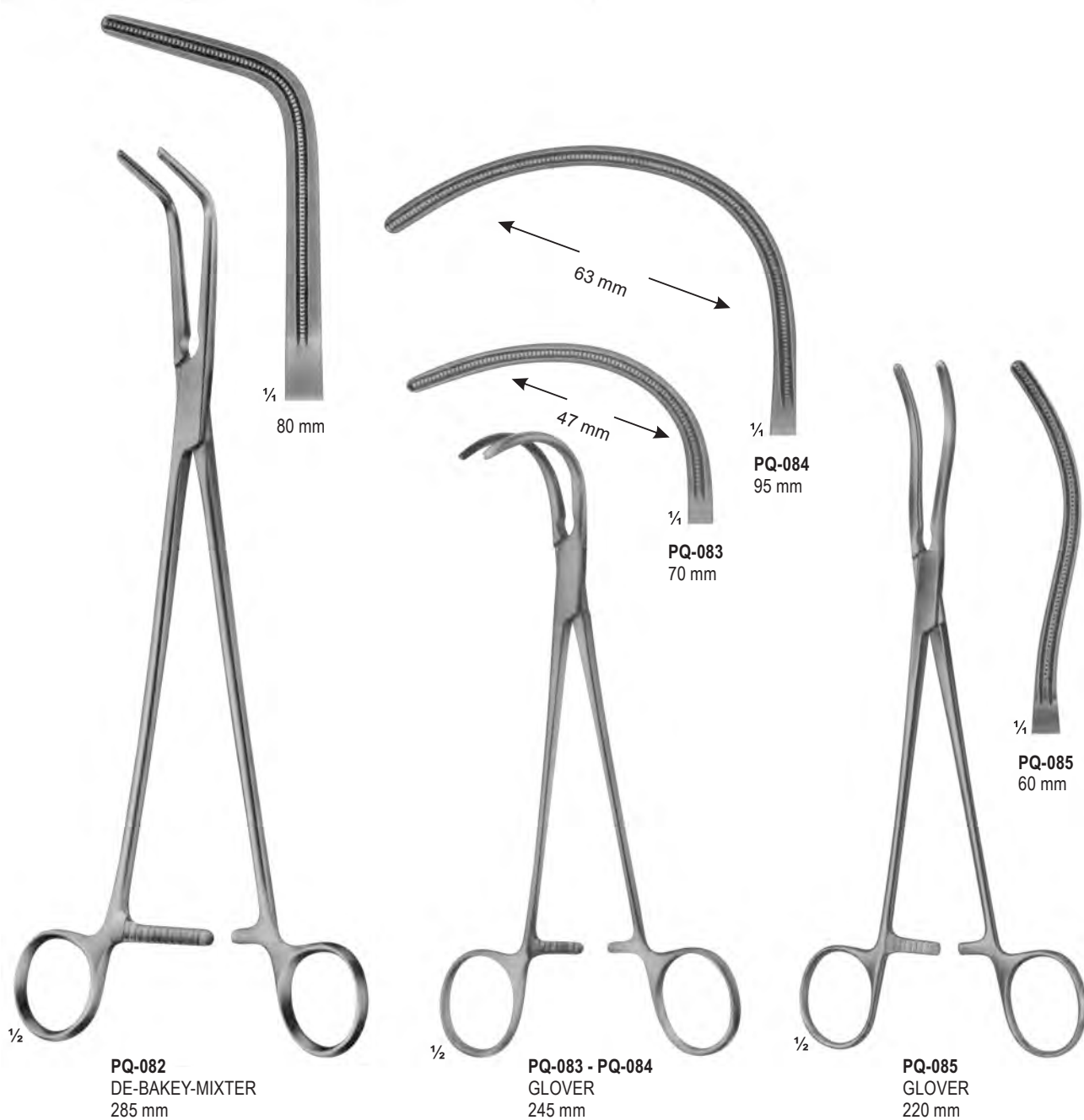
PQ-068 - PQ-069
DE BAKEY-BAINRIDGE
155 mm



PQ-070 - PQ-071
DE BAKEY-BAINRIDGE
180 mm

NON-TRAUMATIC HAEMOSTATIC FORCEPS





VENA-CAVA CLAMPS



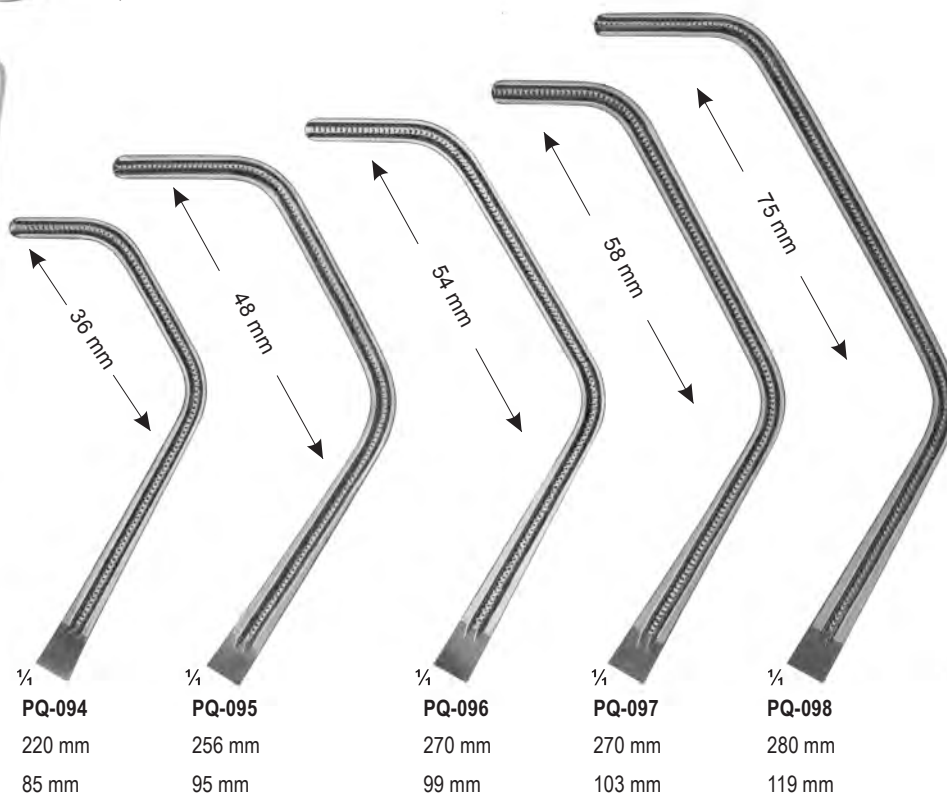


PQ-090 - PQ-093
DE BAKEY-HARKEN
PQ-090 - 255 mm
PQ-091 - 245 mm
PQ-092 - 245 mm
PQ-093 - 245 mm



PQ-094 - PQ-098
DE BAKEY

Total Length:
Length of jaws:



NON-TRAUMATIC HAEMOSTATIC FORCEPS



DE-BAKEY-KELLY
PQ-099 - PQ-100
140 mm



PQ-099
32 mm



PQ-100
32 mm



PEAN
PQ-101 - PQ-102
155 mm



PQ-101
50 mm



PQ-102
50 mm



PQ-103 - PQ-108

DE-BAKEY-PEAN
PQ-103 200 mm
PQ-104 265 mm
PQ-105 280 mm

DE-BAKEY-PEAN
PQ-106 200 mm
PQ-107 260 mm
PQ-108 275 mm



PQ-103
60 mm



PQ-104
89 mm



PQ-105
99 mm



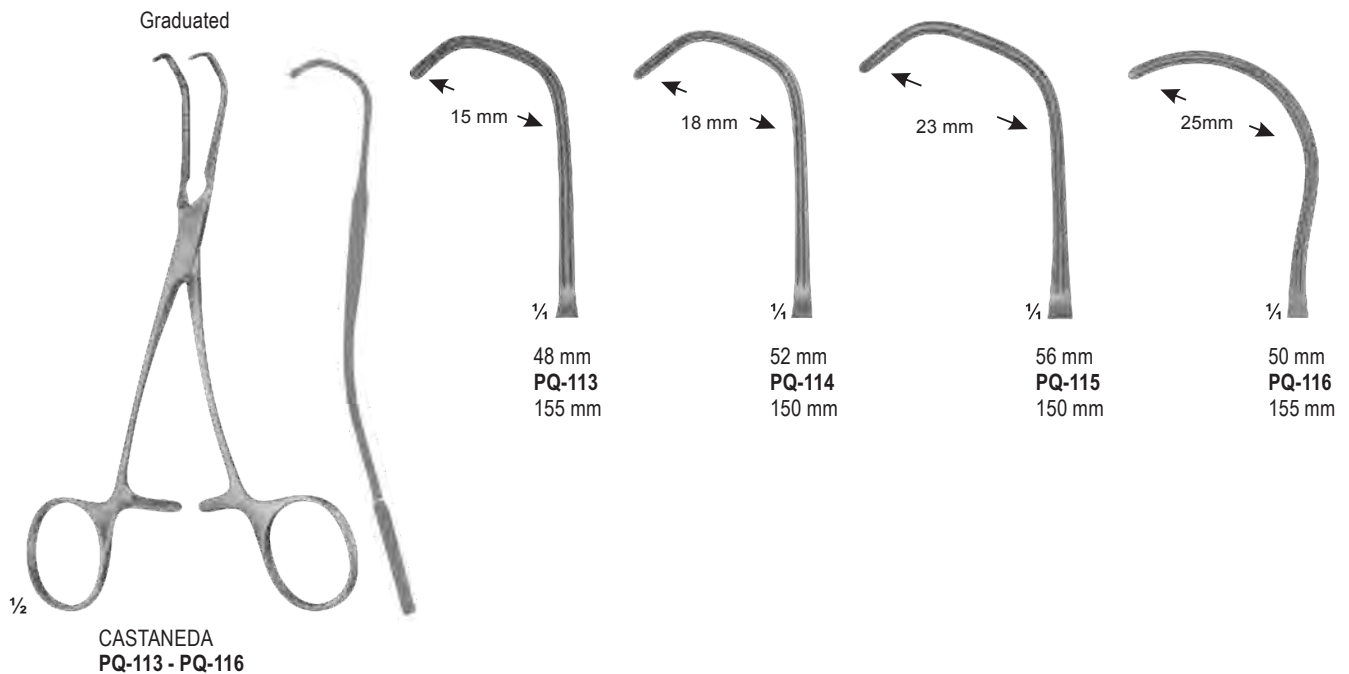
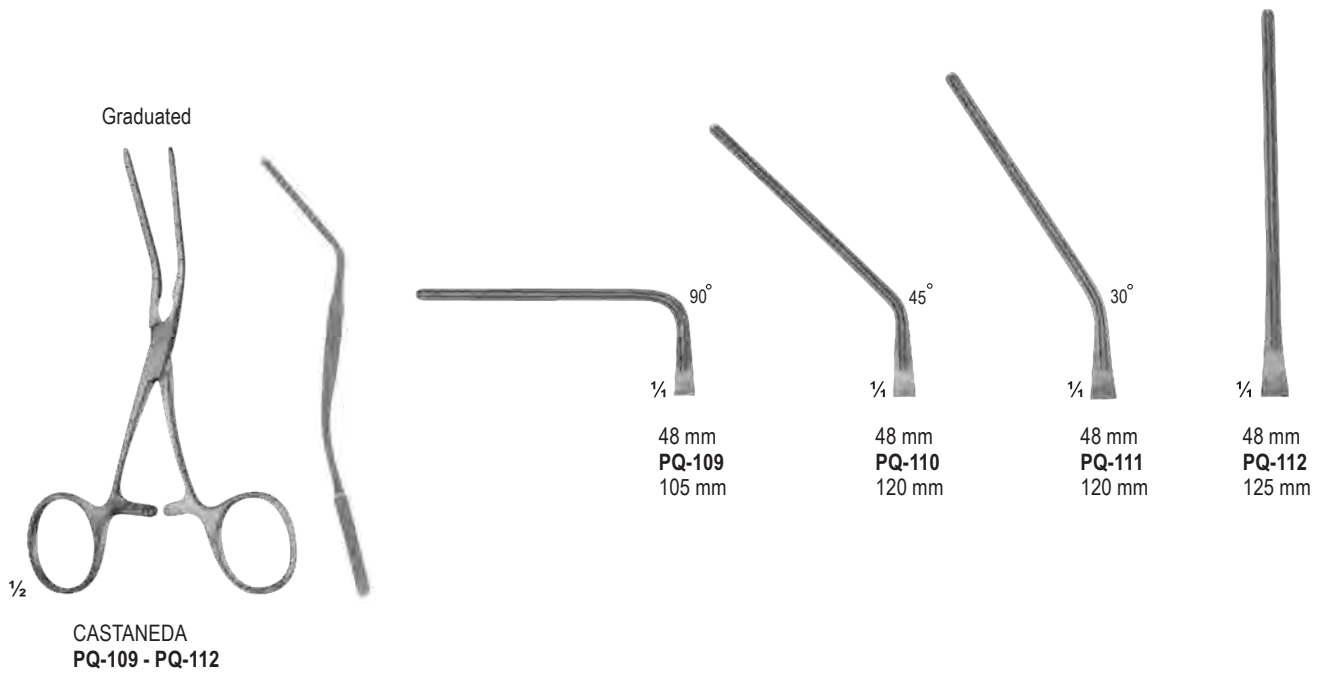
PQ-106
60 mm



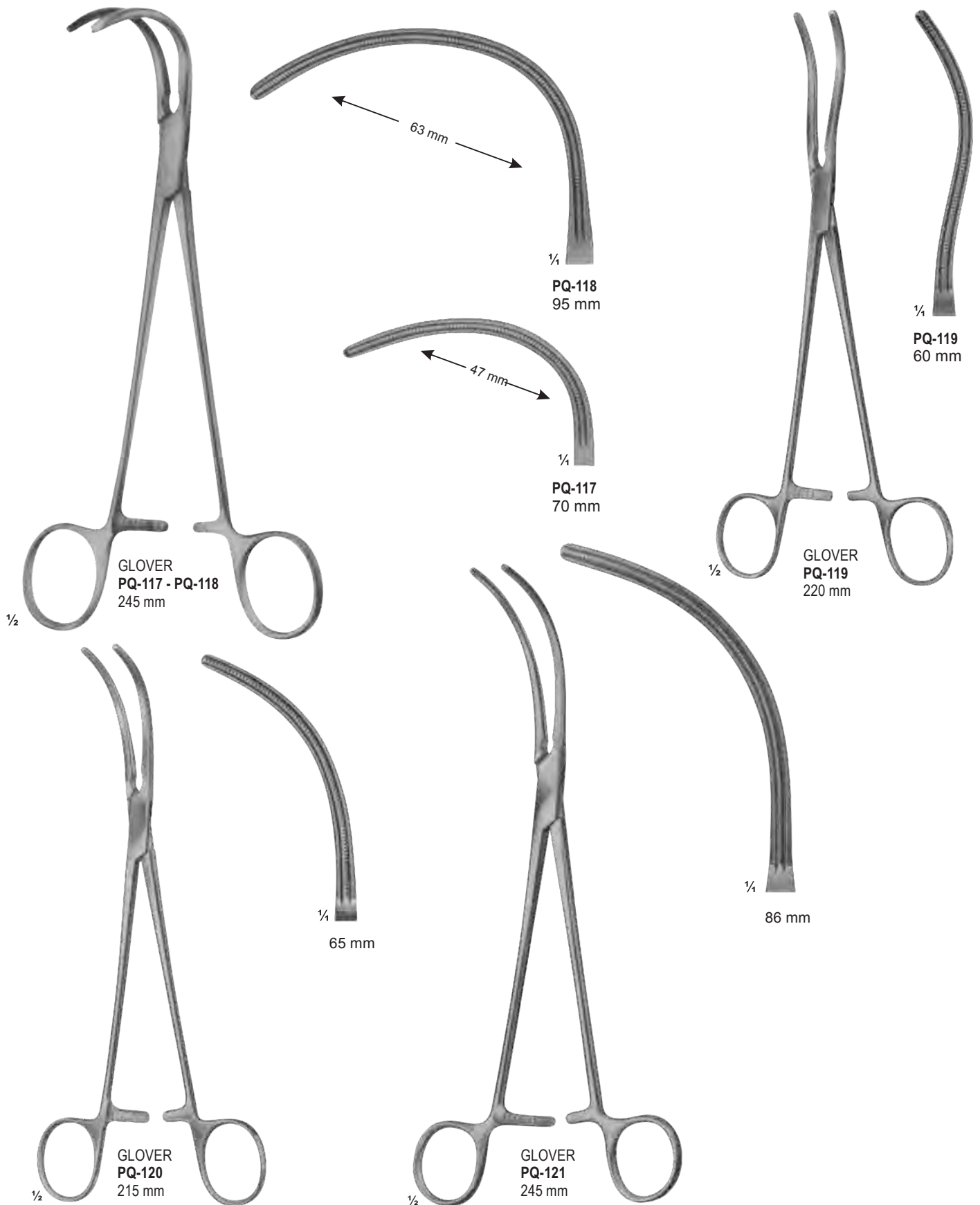
PQ-107
89 mm



PQ-108
99 mm

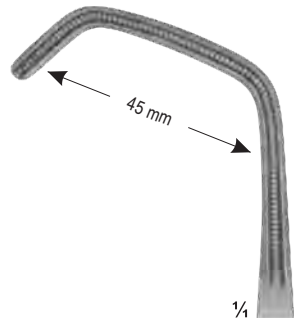


ANASTOMOSIS CLAMPS & VENA-CAVA CLAMPS

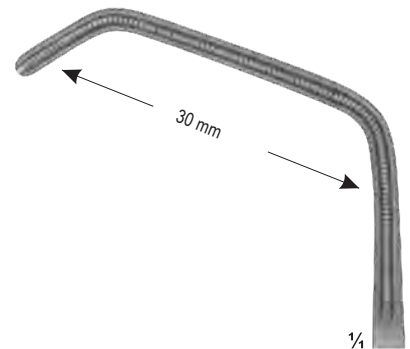




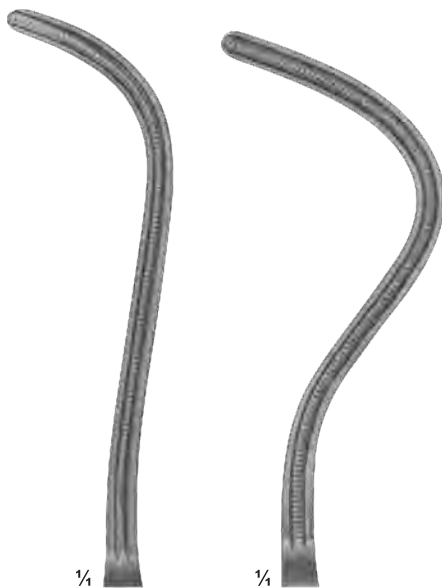
DE BAKEY-BACK
PQ-122 20.5 cm
PQ-123 21 cm



PQ-122
65 mm



PQ-123
80 mm

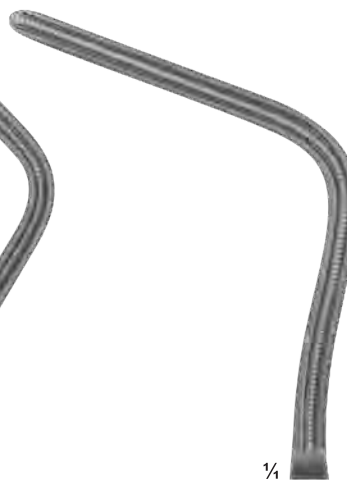


PQ-124
86 mm

PQ-125
86 mm



PQ-126
86 mm

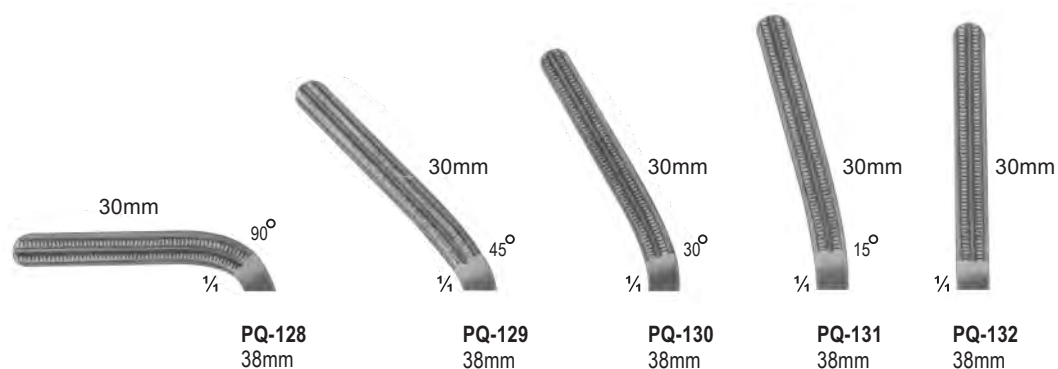


PQ-127
86 mm

DE BAKEY-HARKEN
PQ-124 25.5 cm
PQ-125 24.5 cm
PQ-126 24.5 cm
PQ-127 24.5 cm



MULTI-PURPOSE CLAMPS



DARDIK

PQ-128 15 cm

PQ-129 15 cm

PQ-130 15 cm

PQ-131 14.5 cm

PQ-132 13 cm

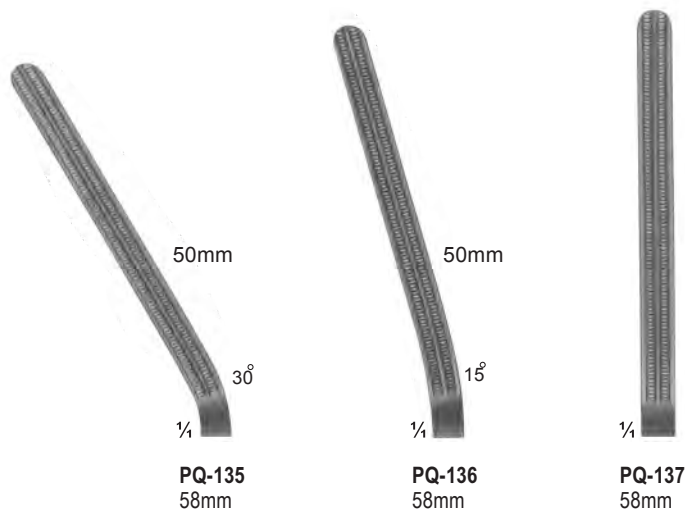
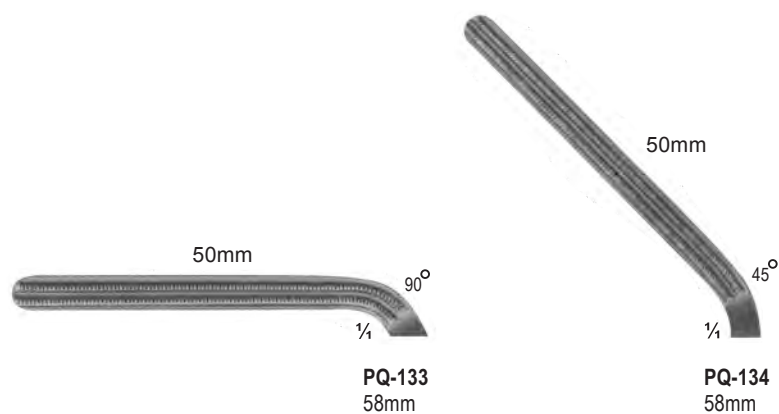
PQ-133 17 cm

PQ-134 17 cm

PQ-135 17 cm

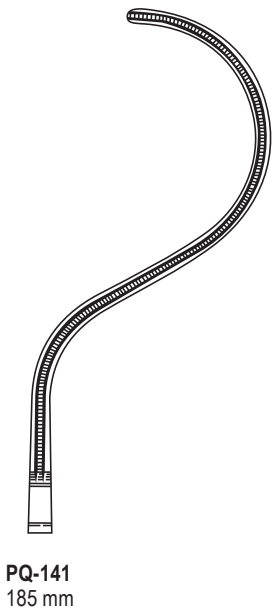
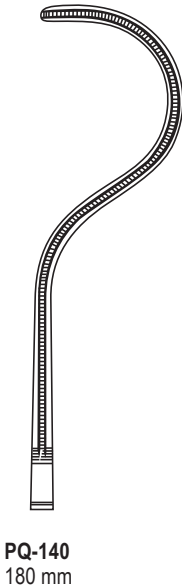
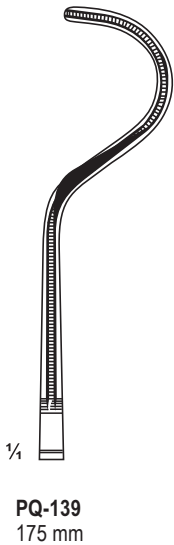
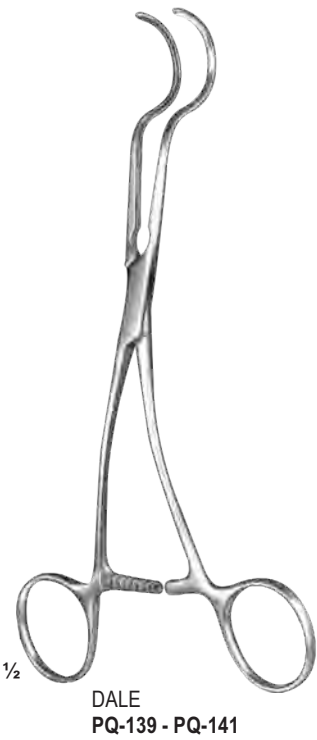
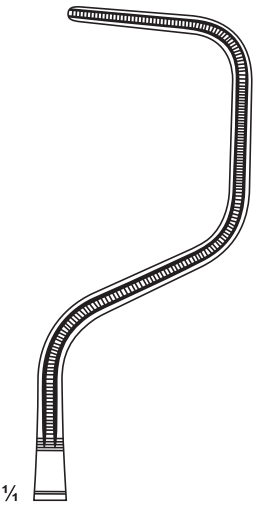
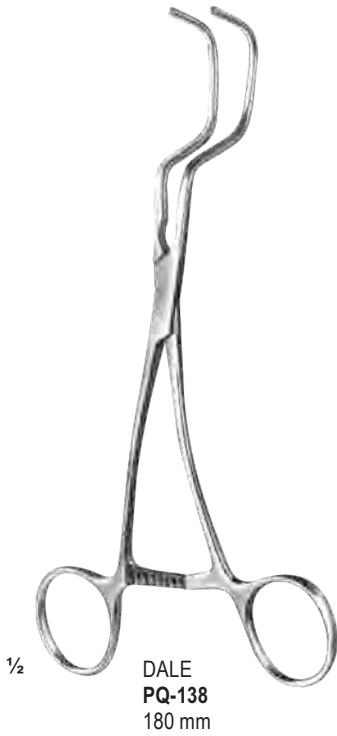
PQ-136 16 cm

PQ-137 13.5 cm





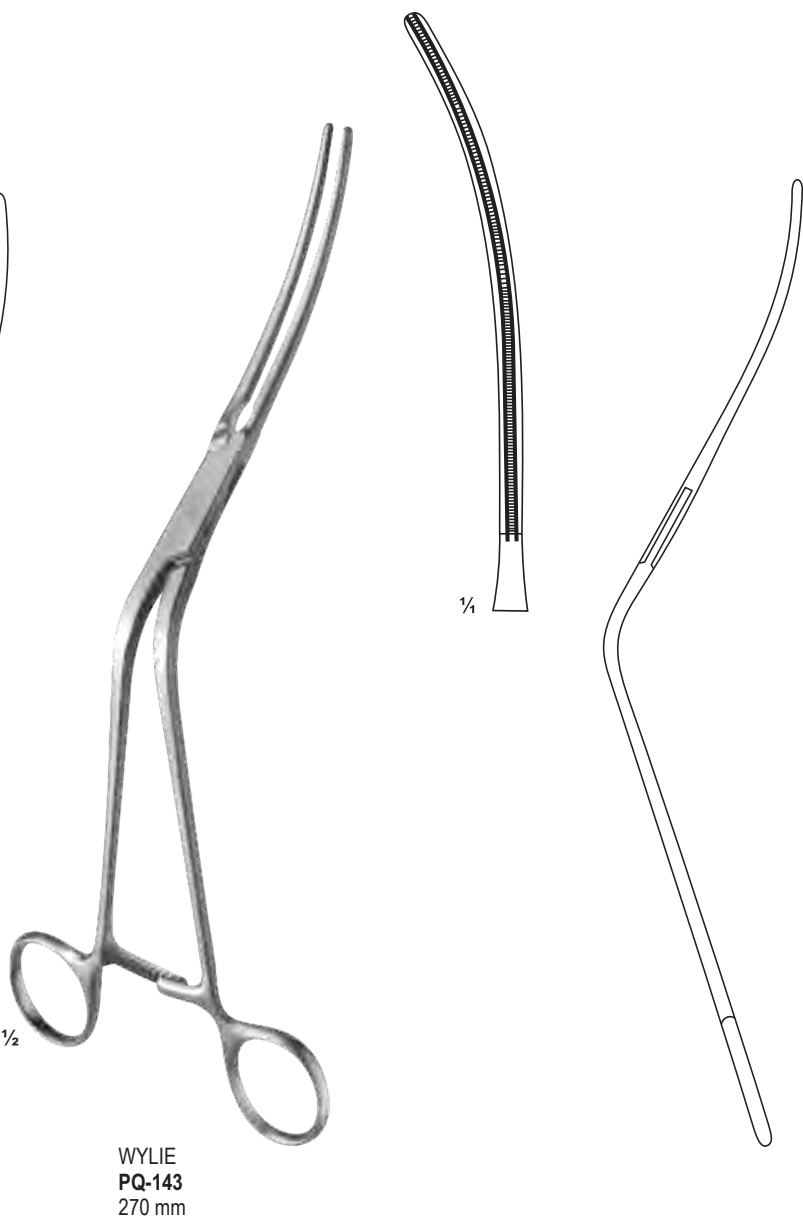
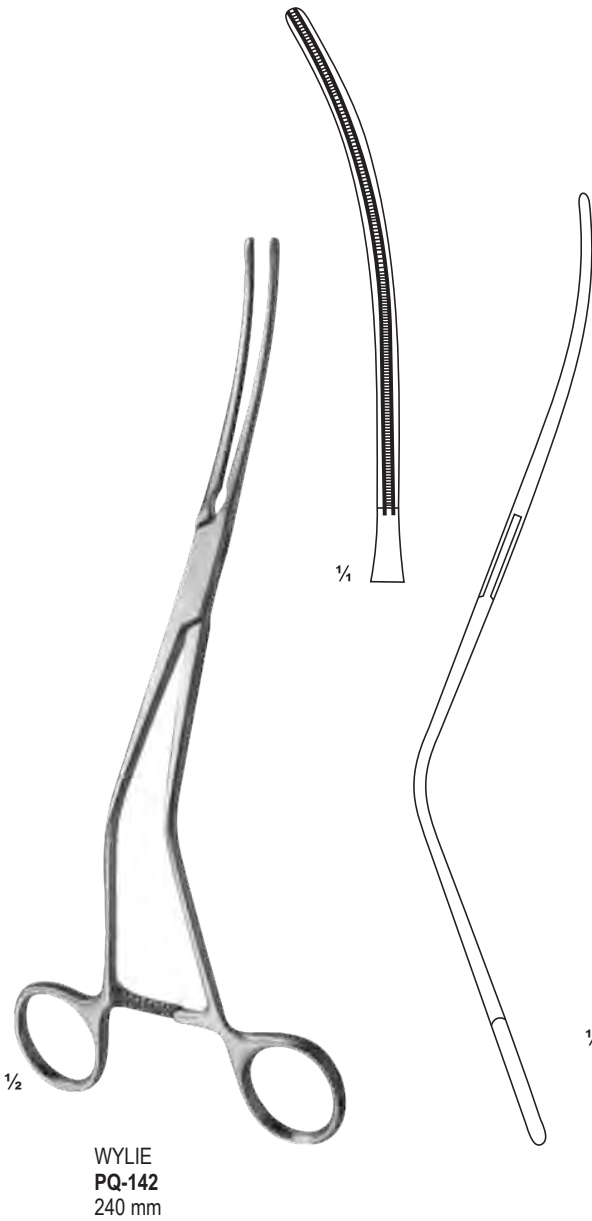
ATRAUMA

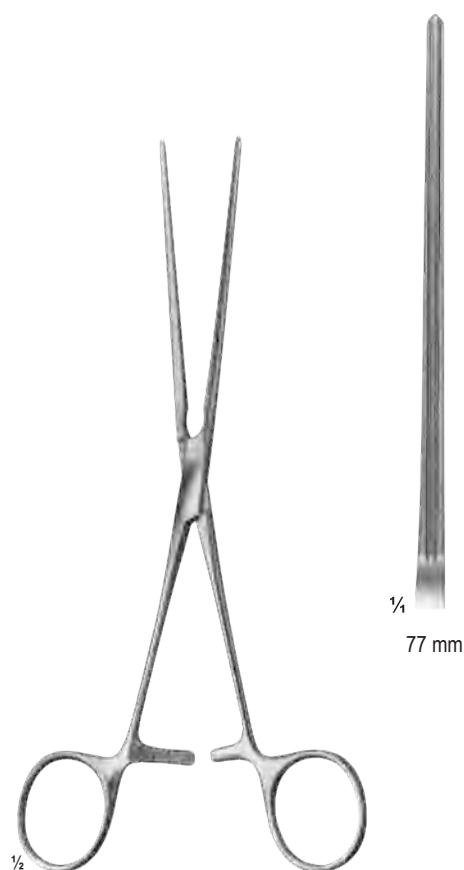




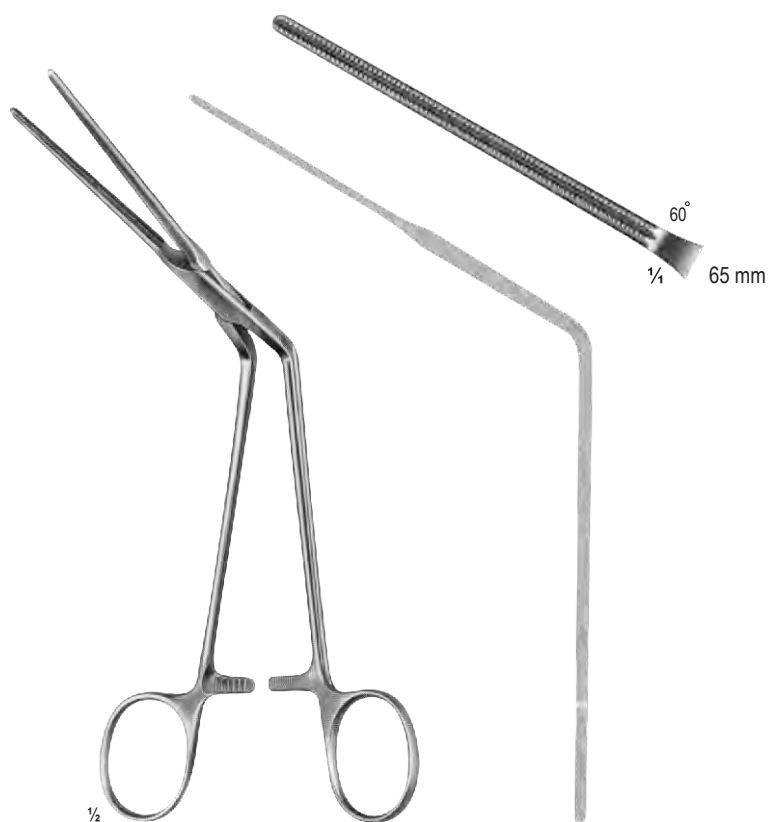
AORTIC CLAMPS

ATRAUMA





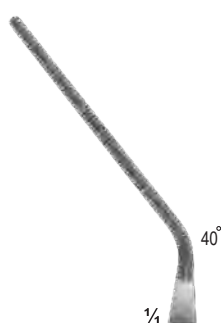
LELAND-JONES
PQ-144
195 mm



DE BAKEY
PQ-145
200 mm
Liac Clamp



COOLEY
PQ-146 120 mm
PQ-147 125 mm
PQ-148 125 mm



PQ-146
50 mm



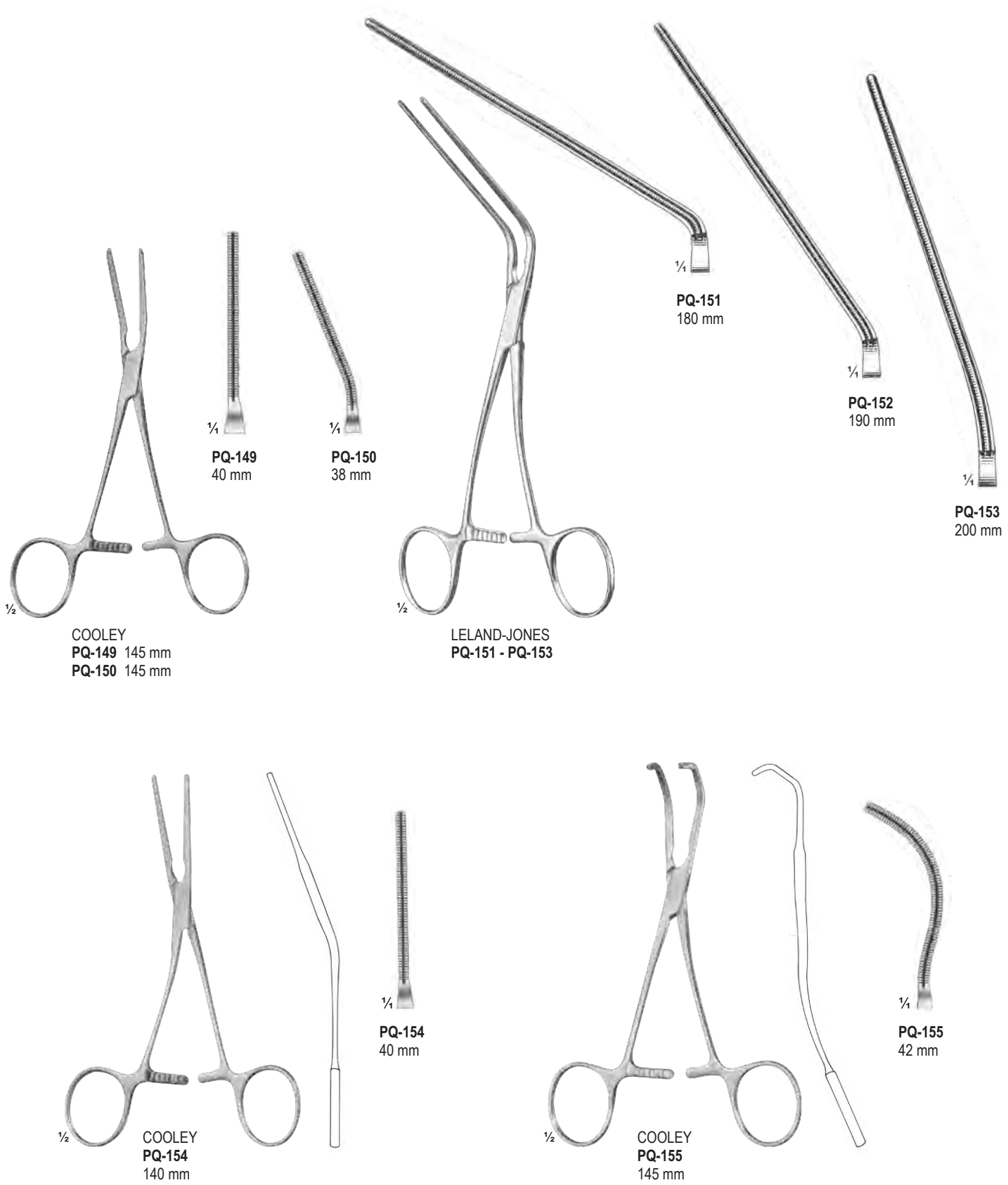
PQ-147
50 mm

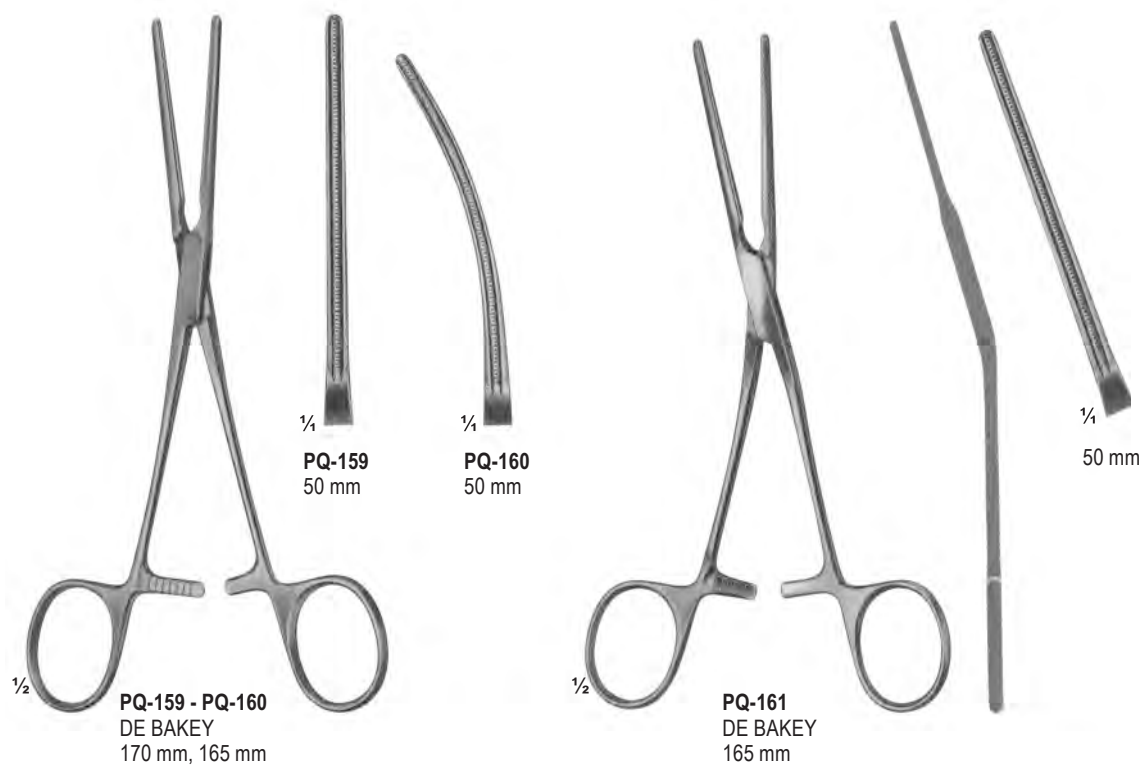
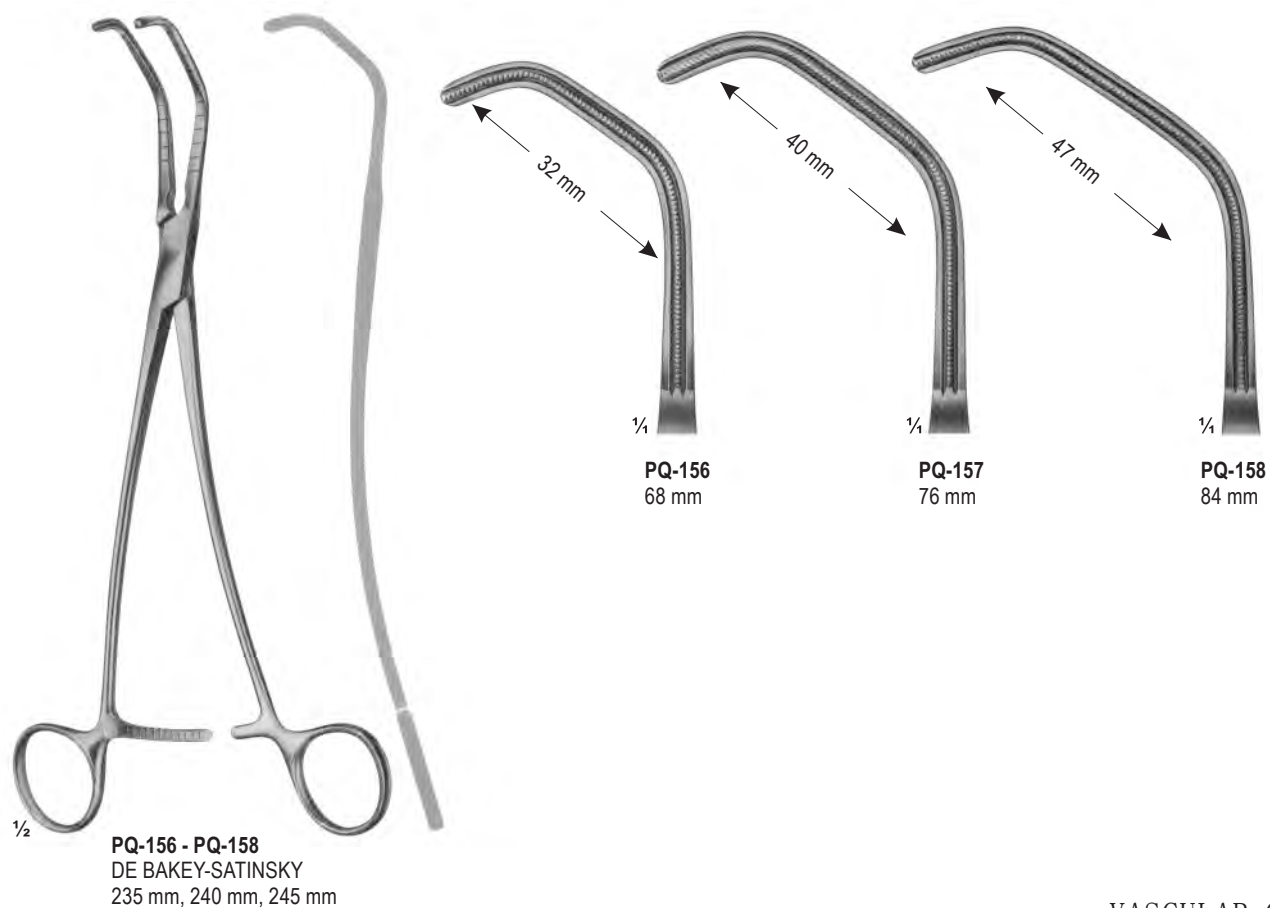


PQ-148
52 mm

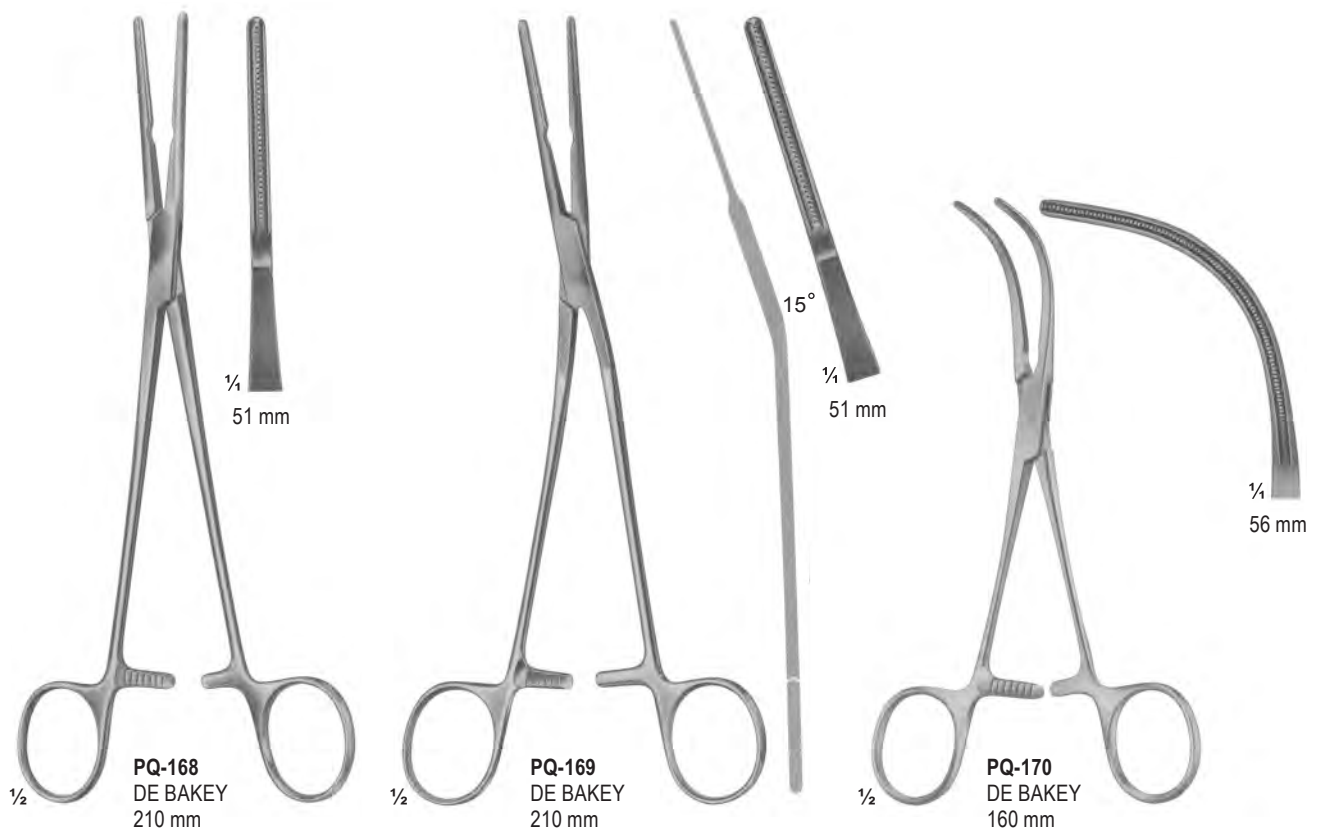
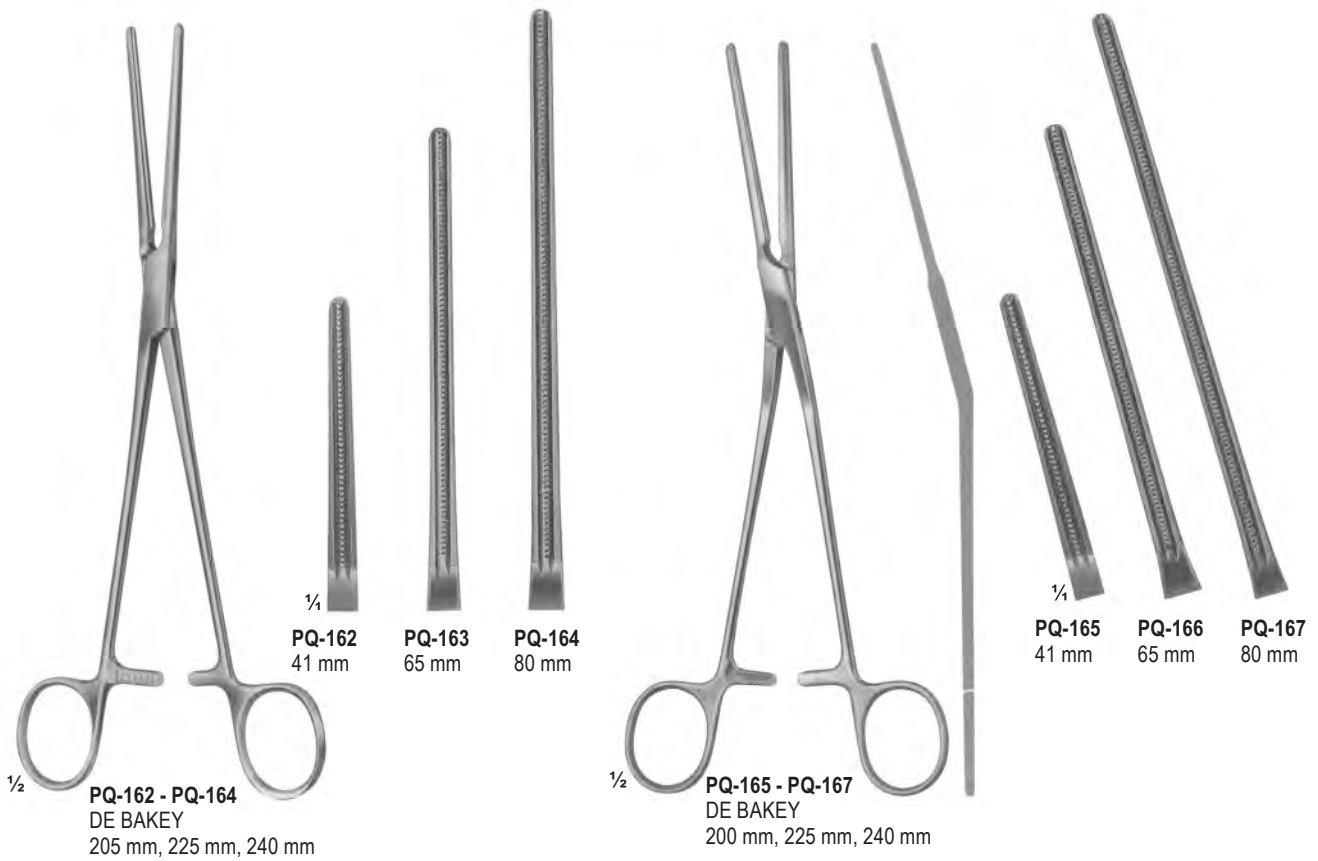


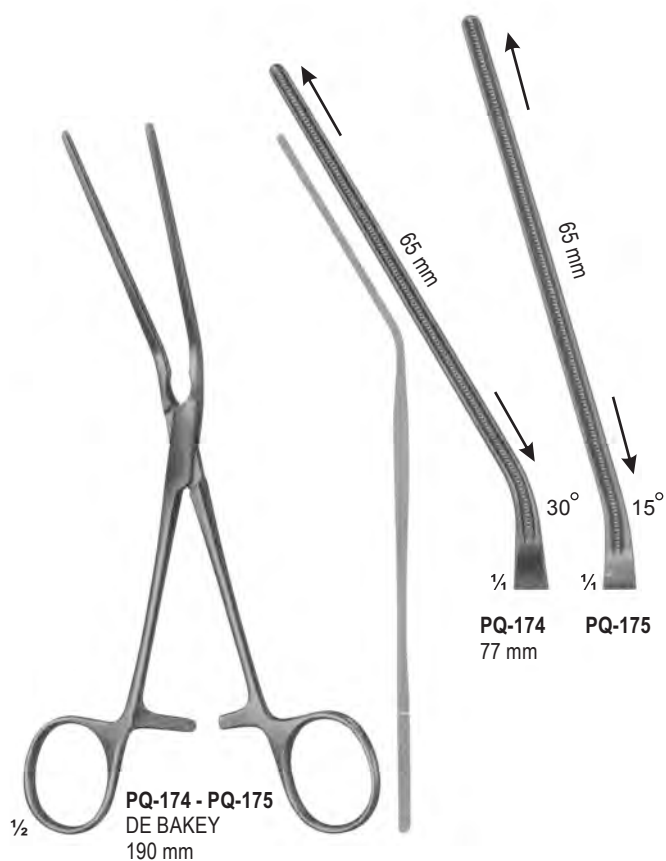
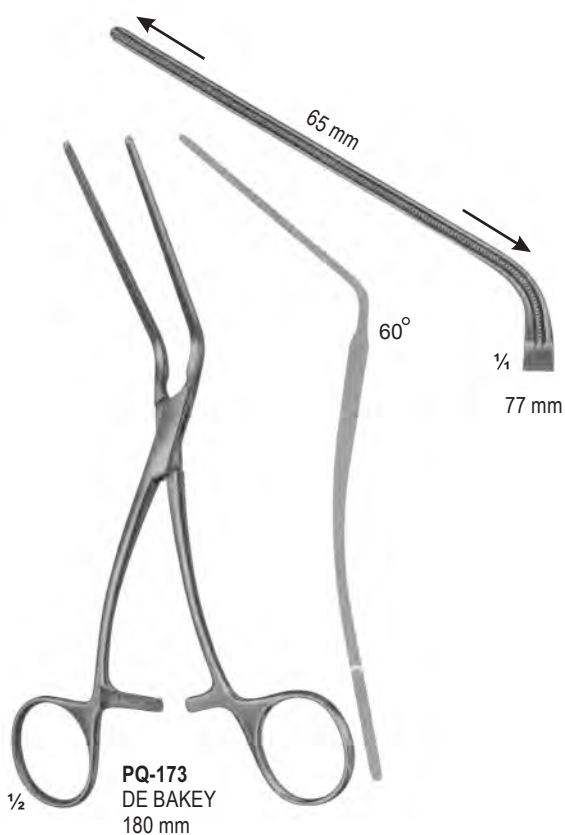
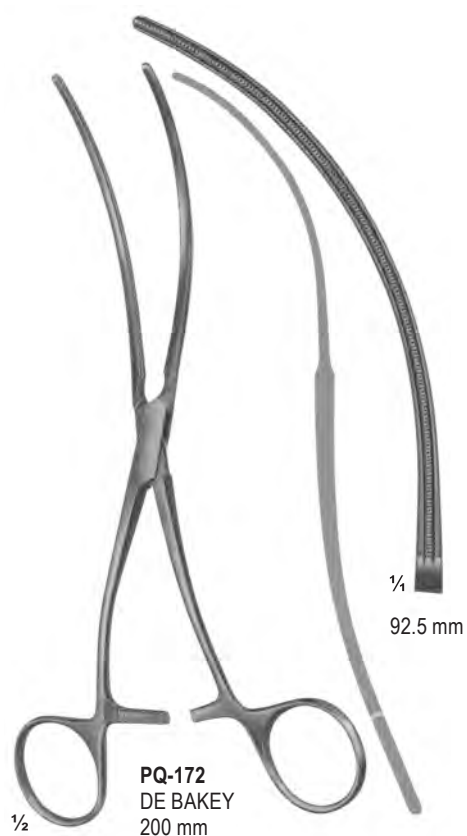
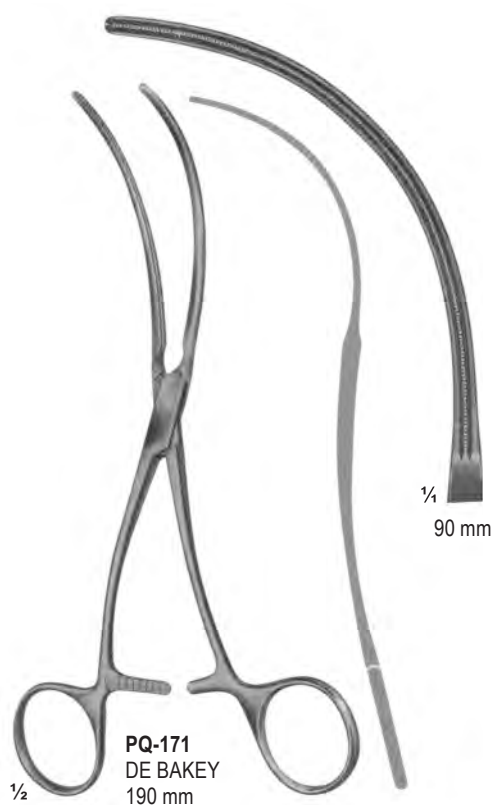
ANEURYSM CLAMPS





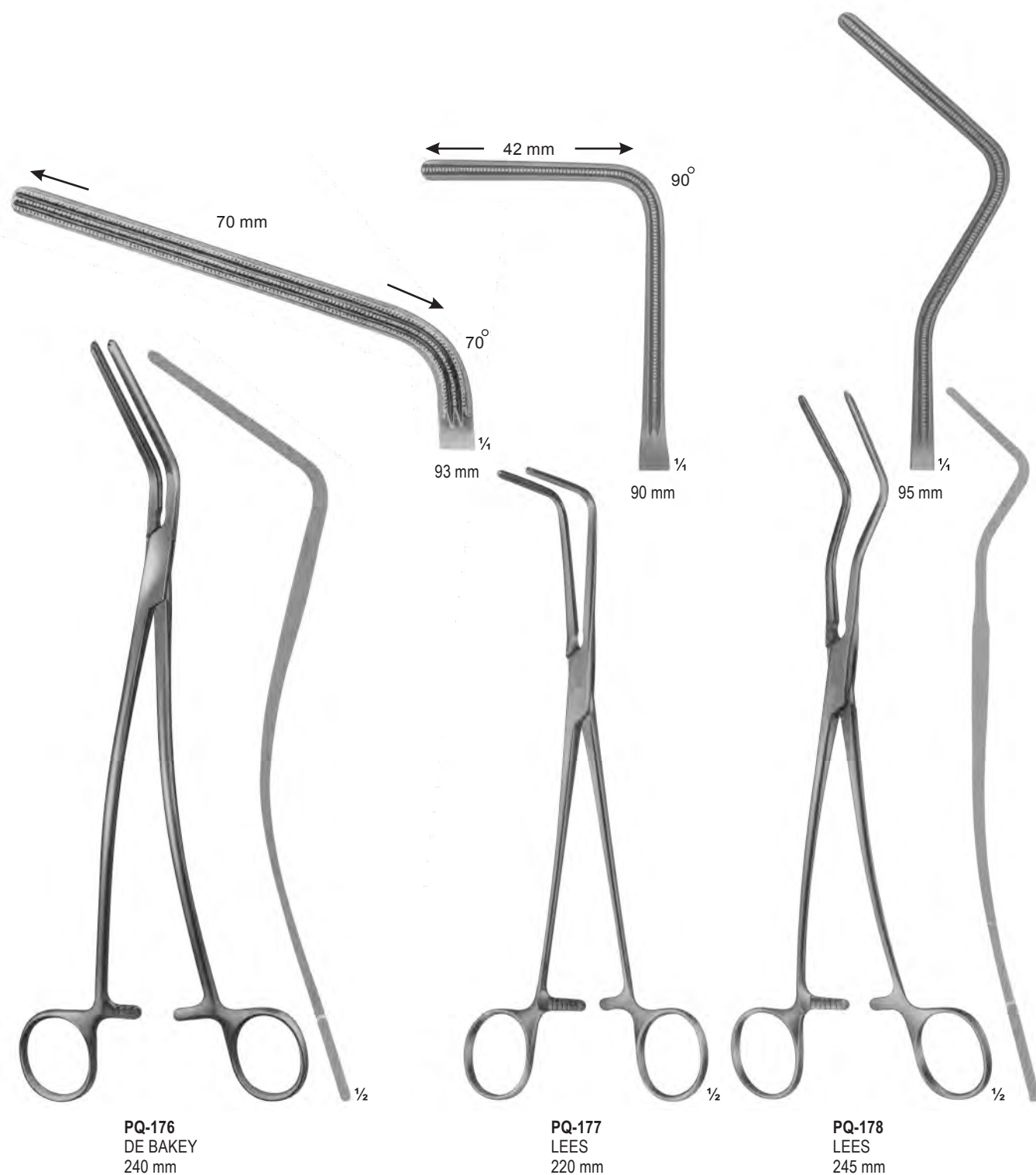
VENA-CAVA CLAMPS

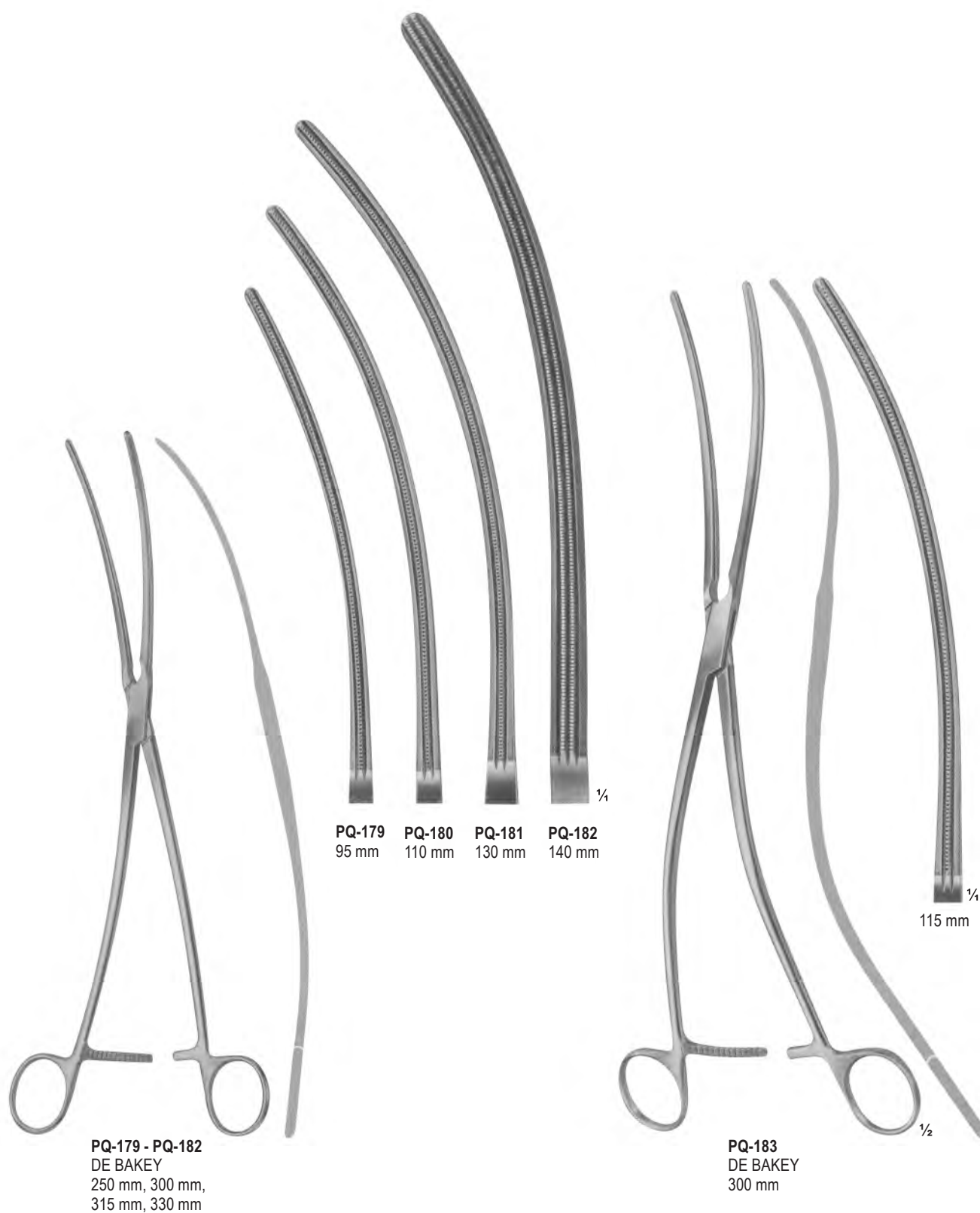




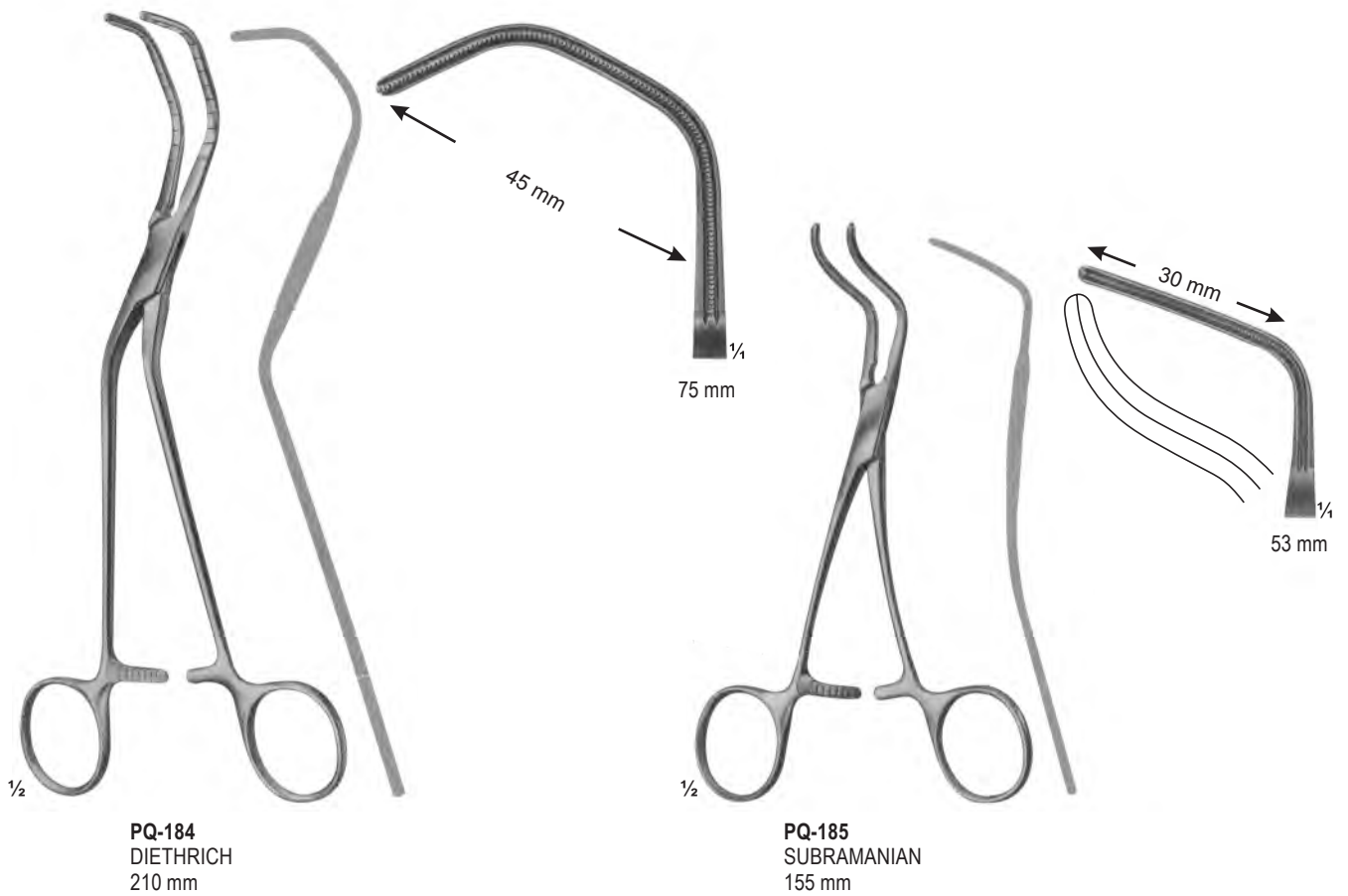


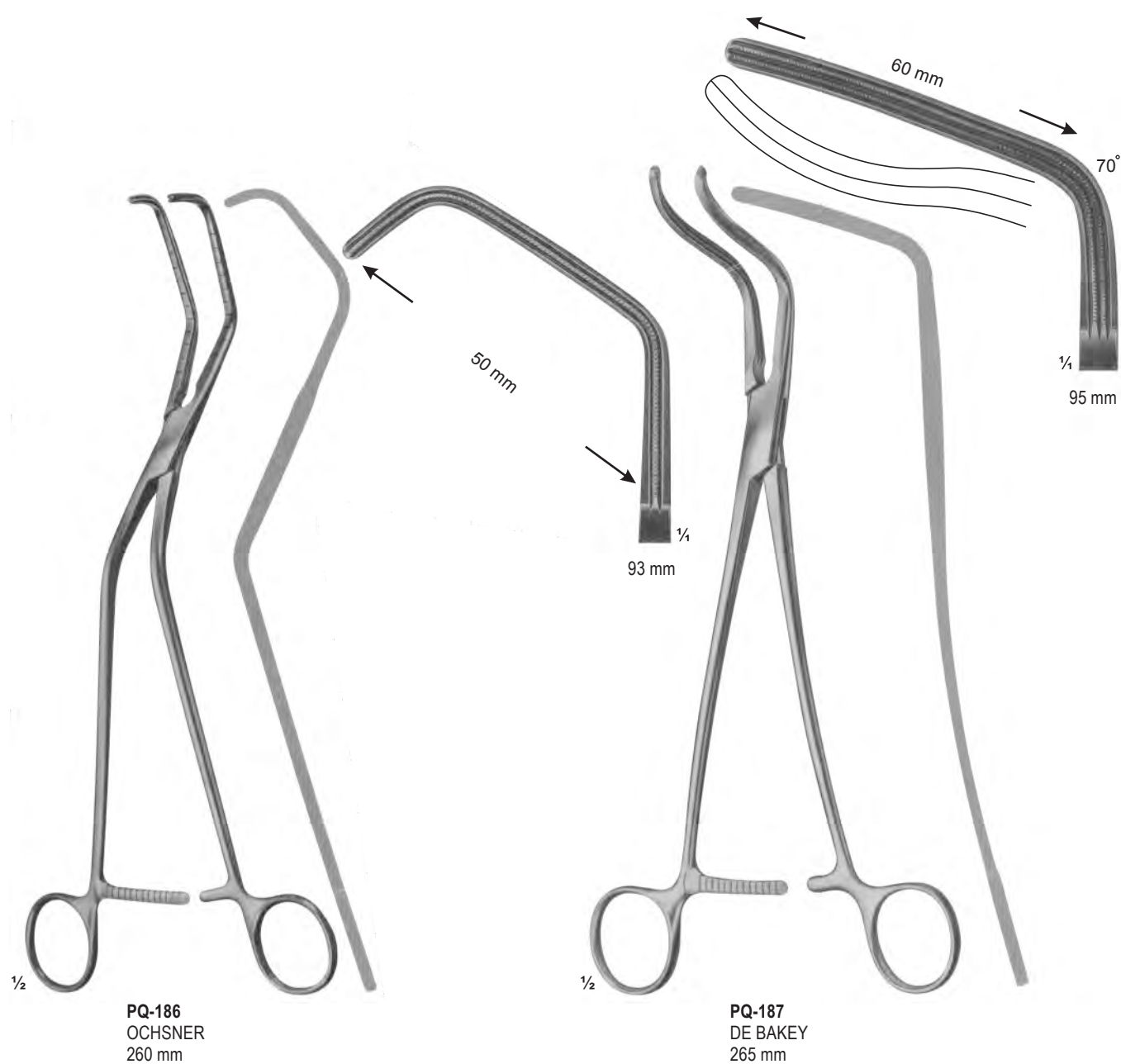
VENA-CAVA CLAMPS





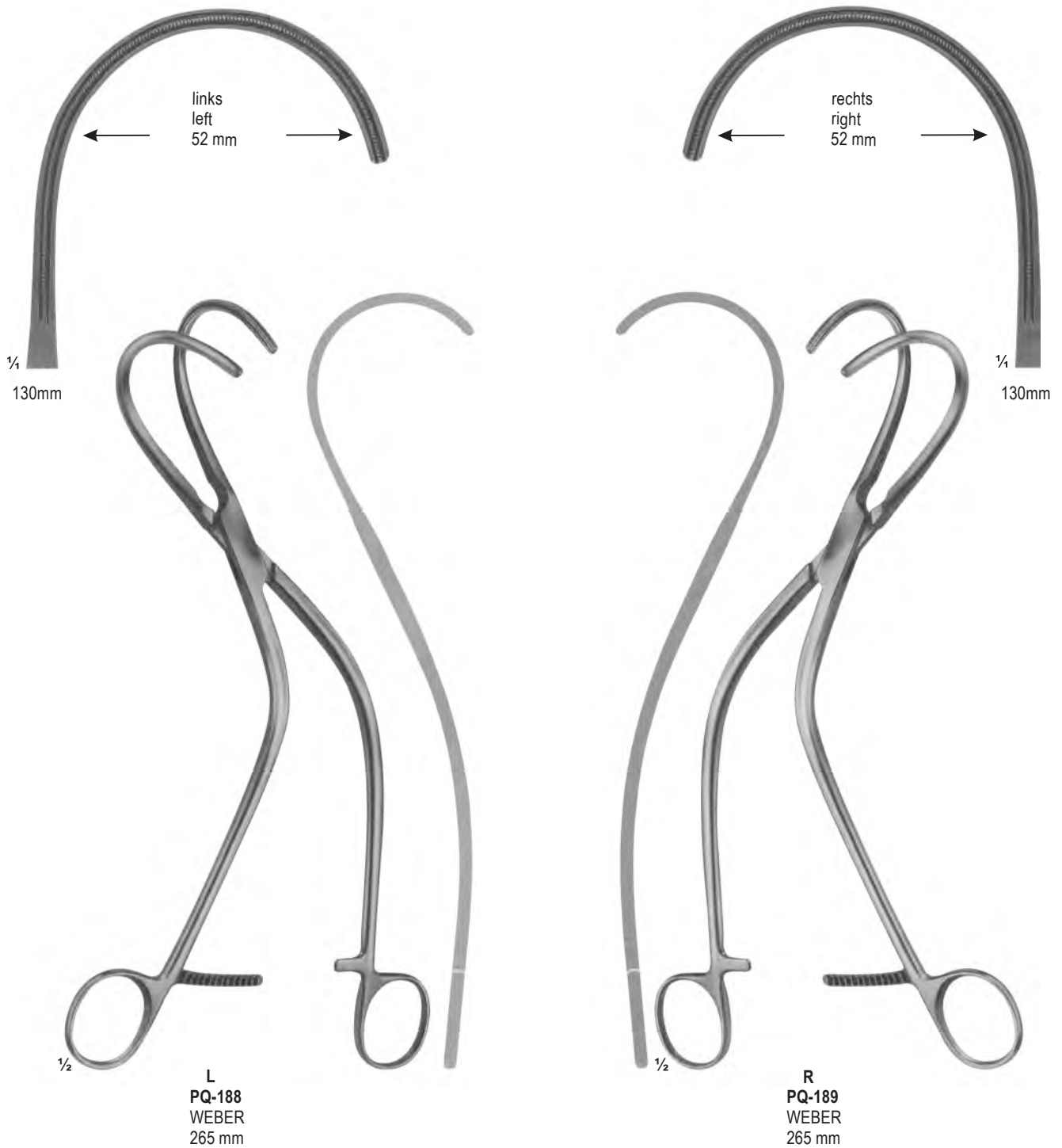
AORTA CLAMPS

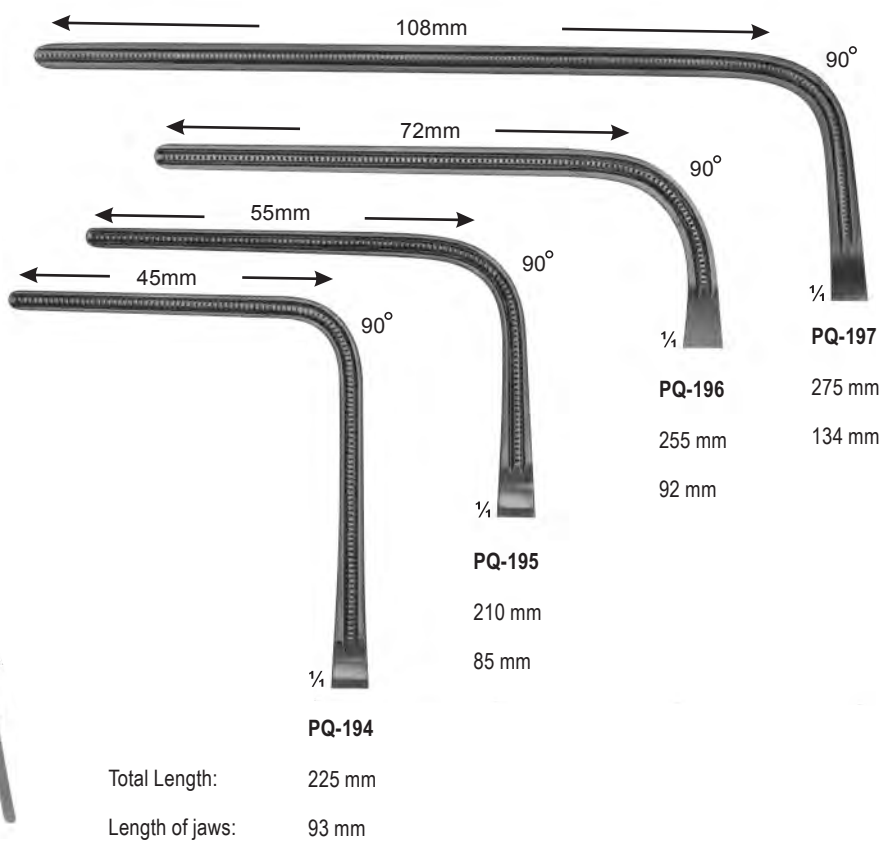
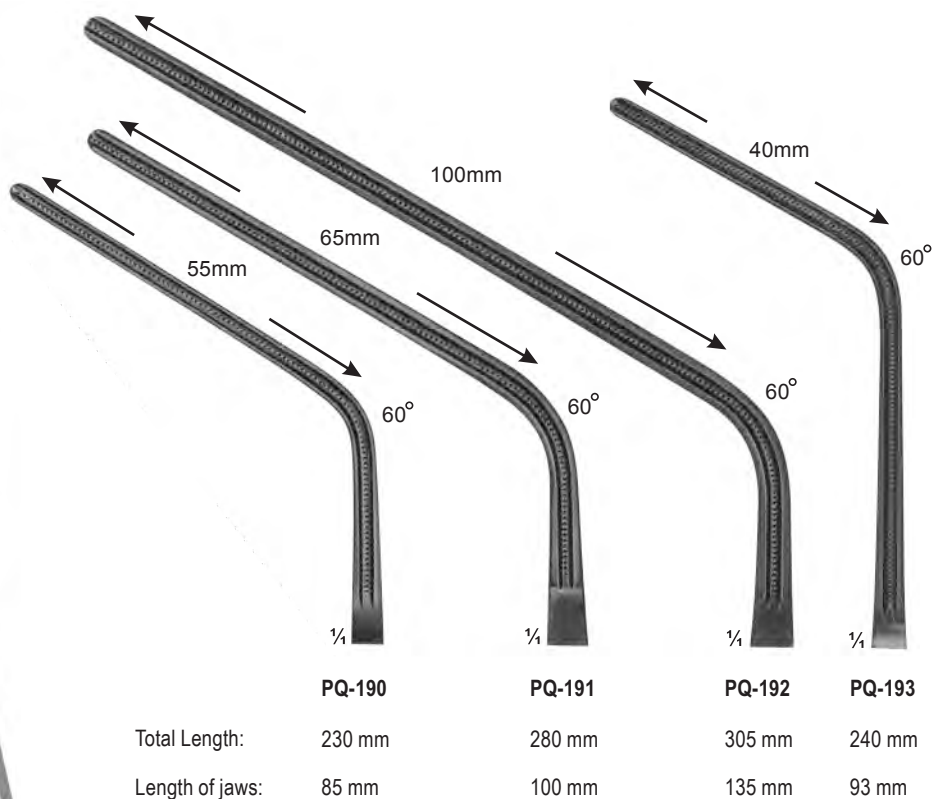




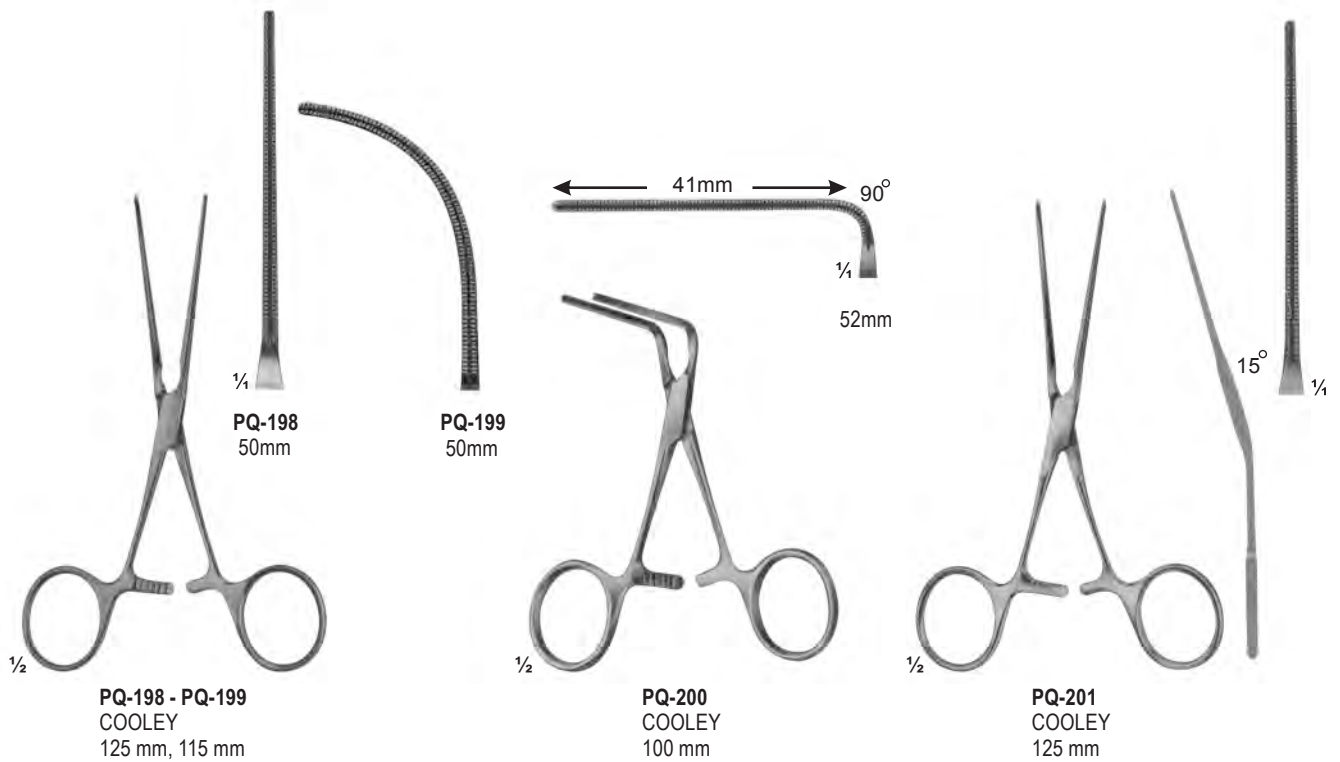


AORTA-ANASTOMOSIS CLAMPS

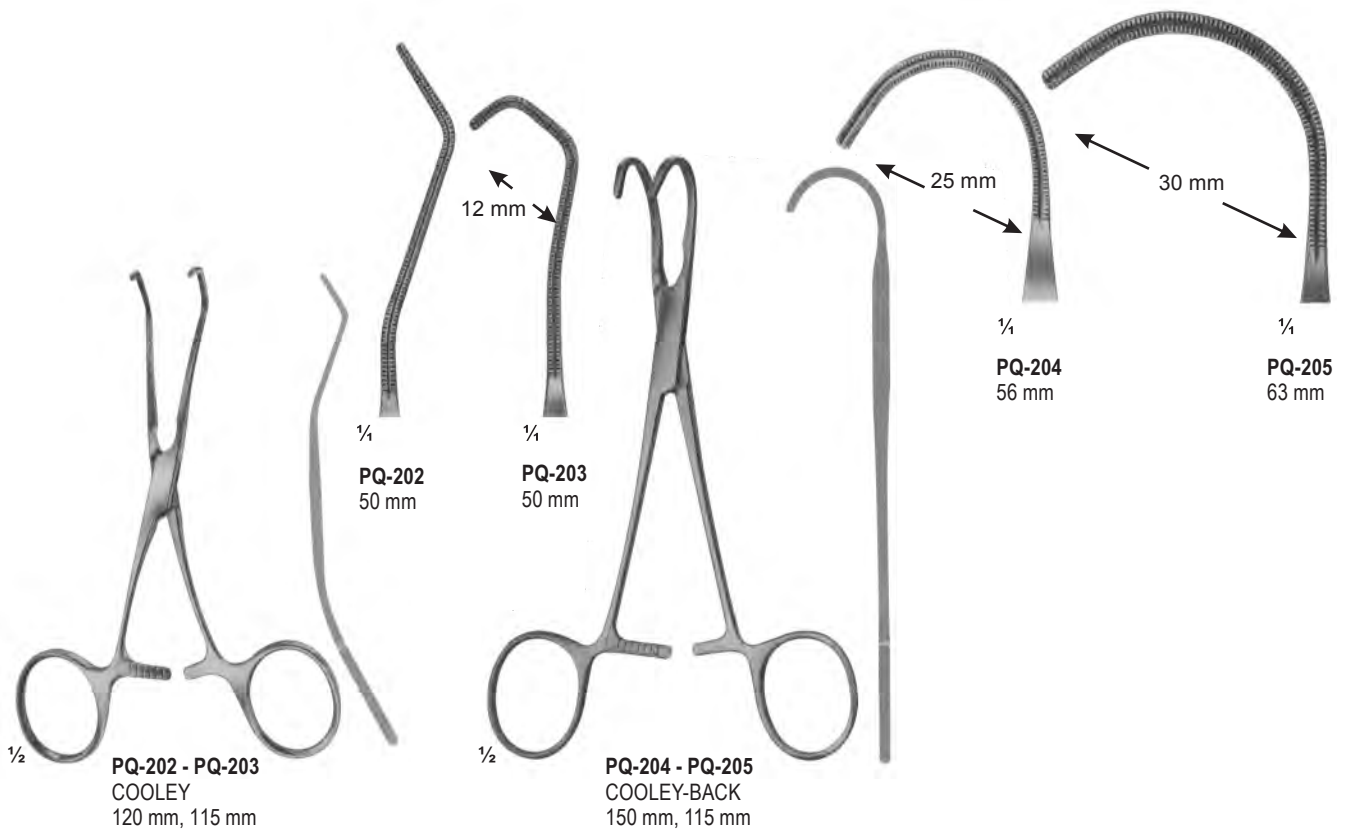


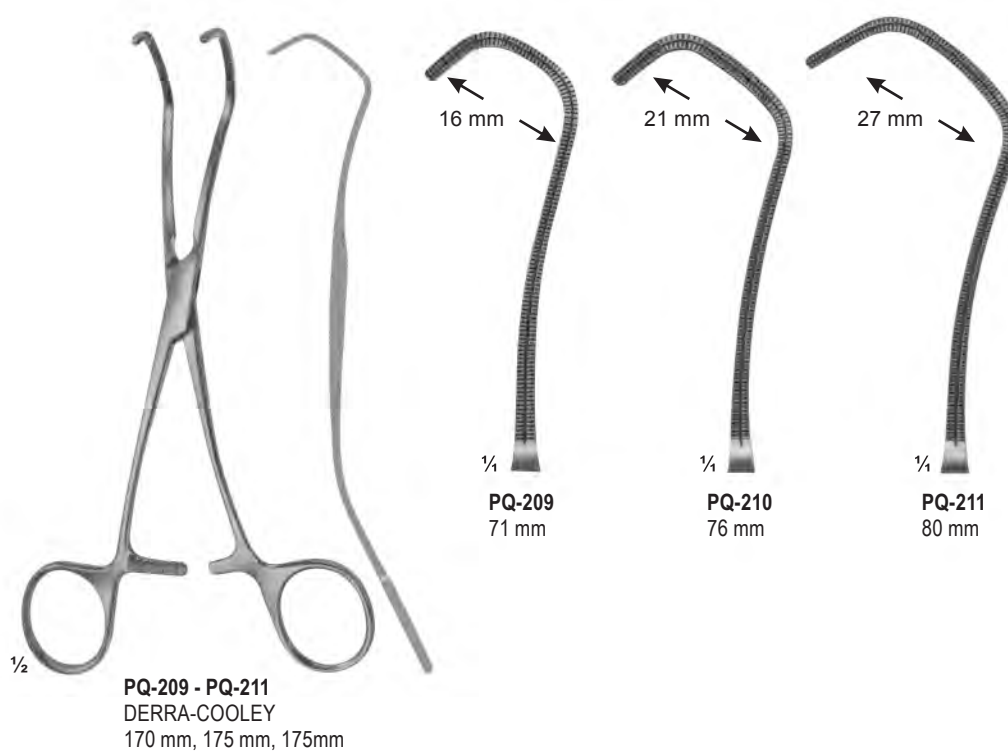
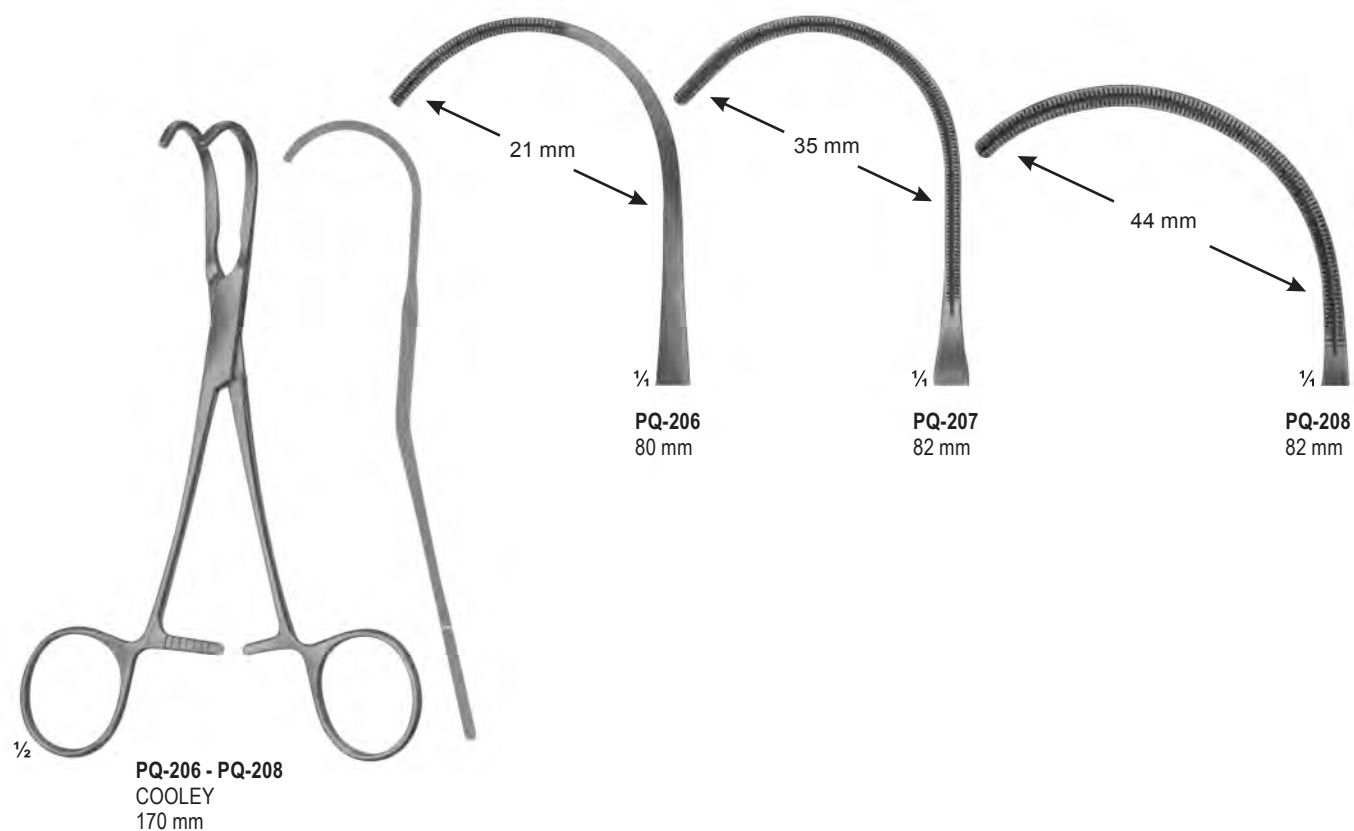


RING HANDLE BULLDOG CLAMPS

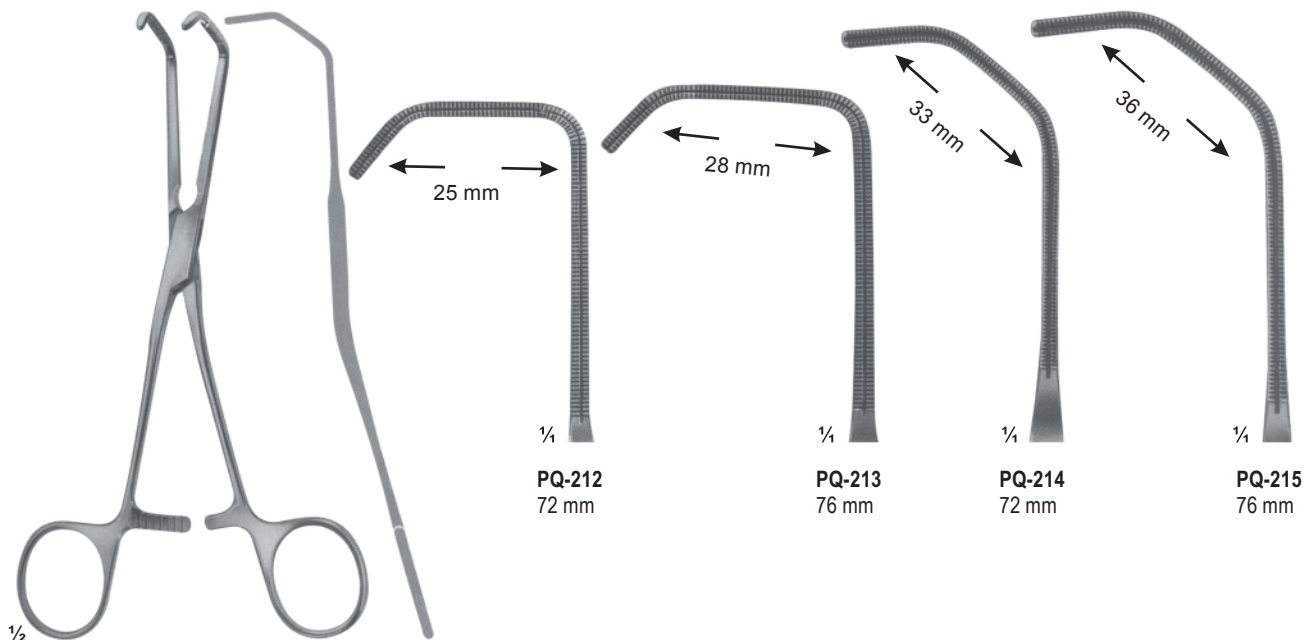


ANASTOMOSIS CLAMPS, PEDIATRIC PATTERNS

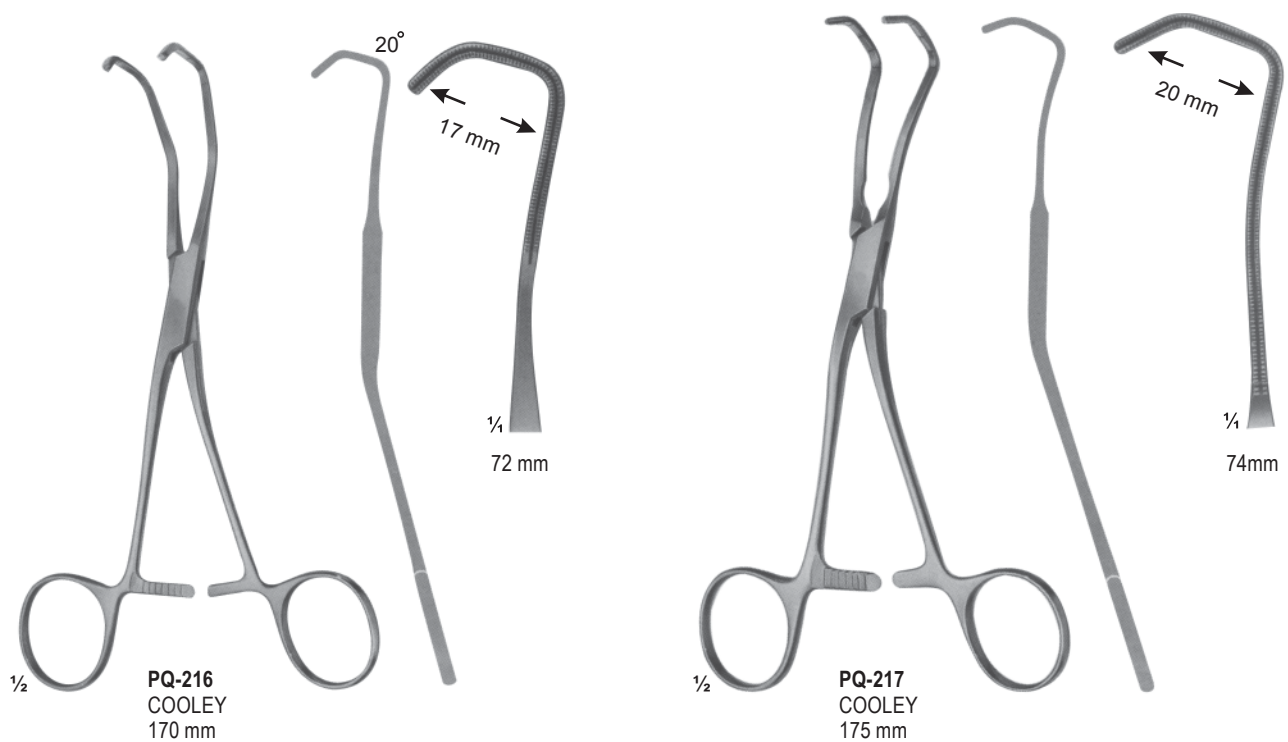


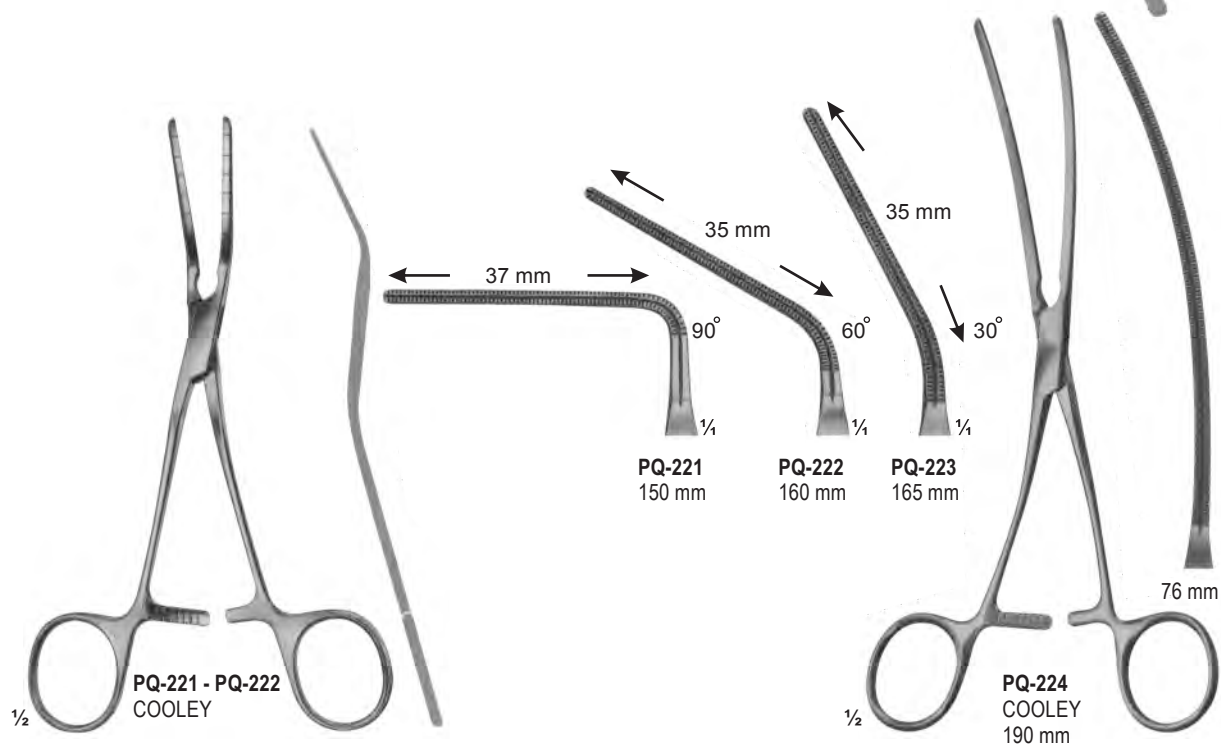
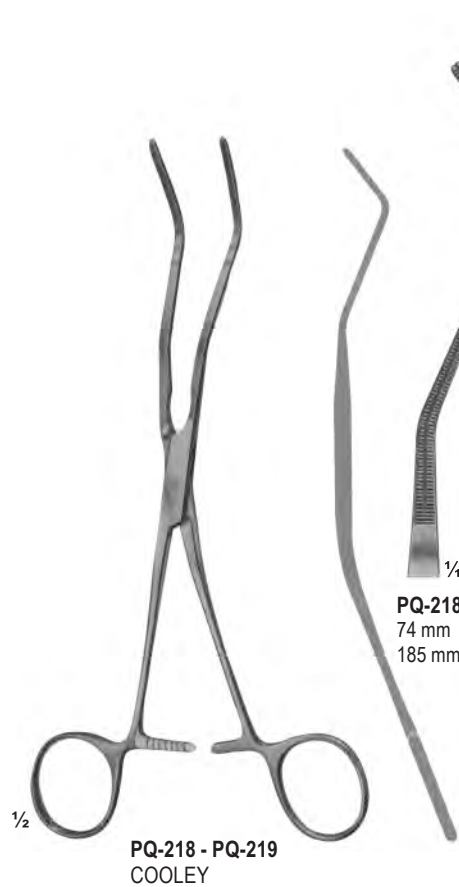


AORTA-ANASTOMOSIS CLAMPS

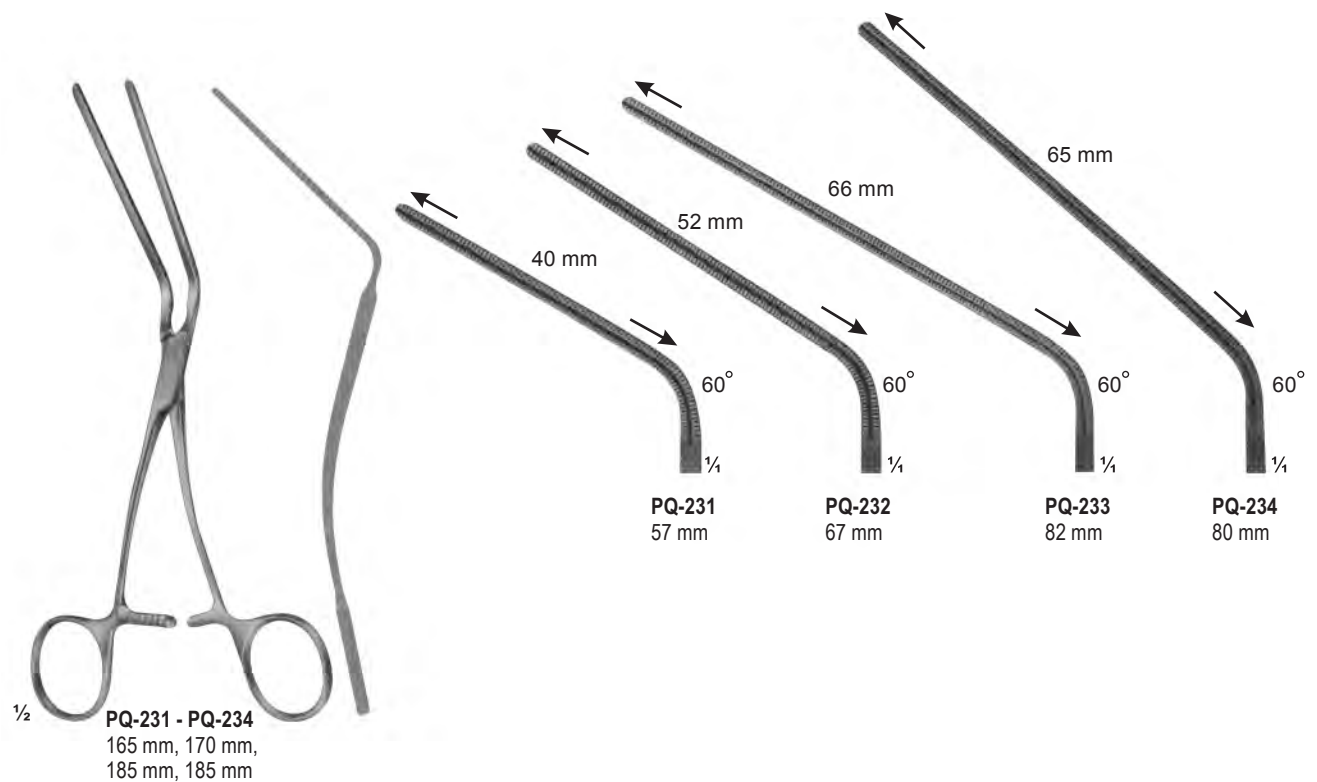
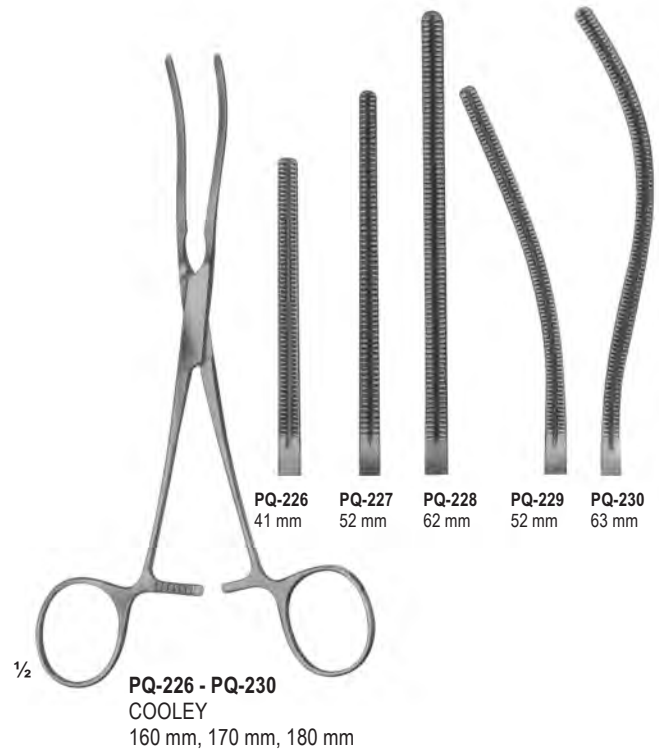
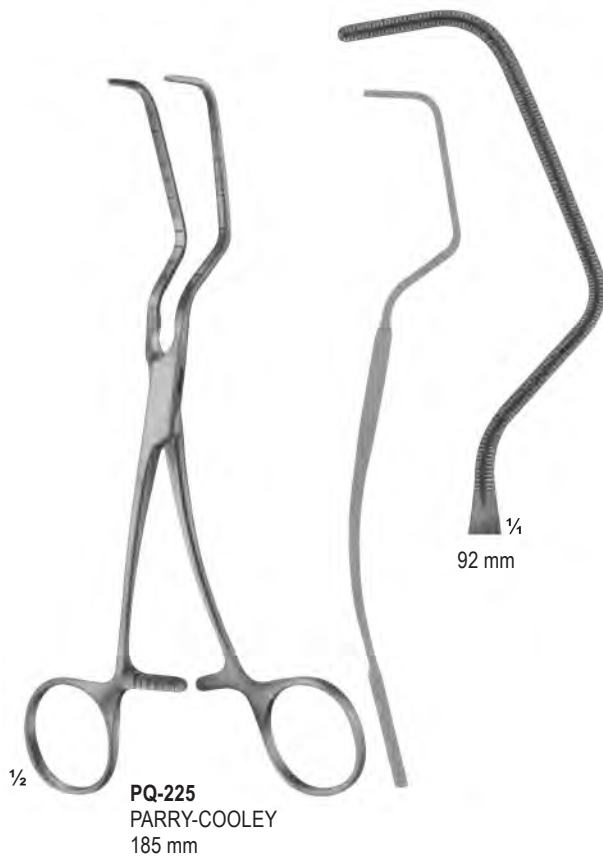


PQ-212 - PQ-215
COOLEY
165 mm, 165 mm
175 mm, 180 mm



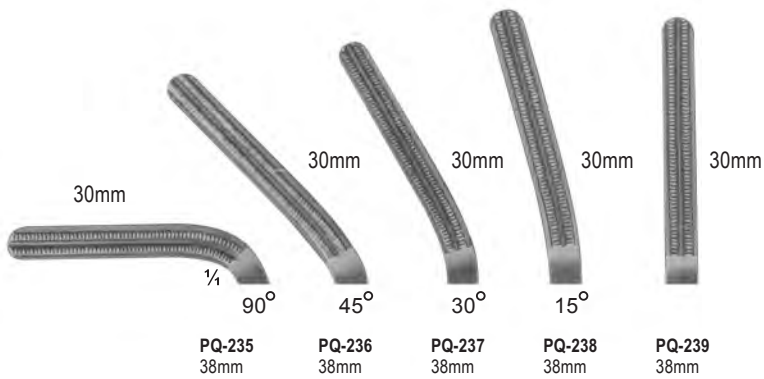


AORTA-ANASTOMOSIS CLAMPS

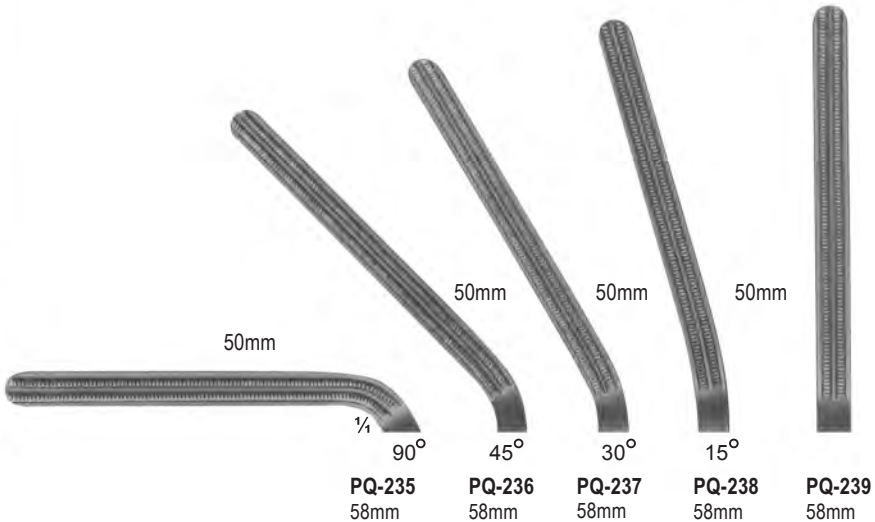




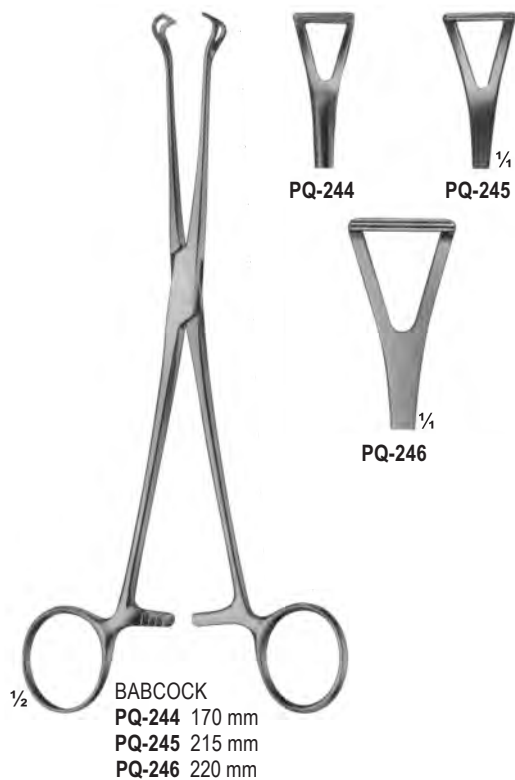
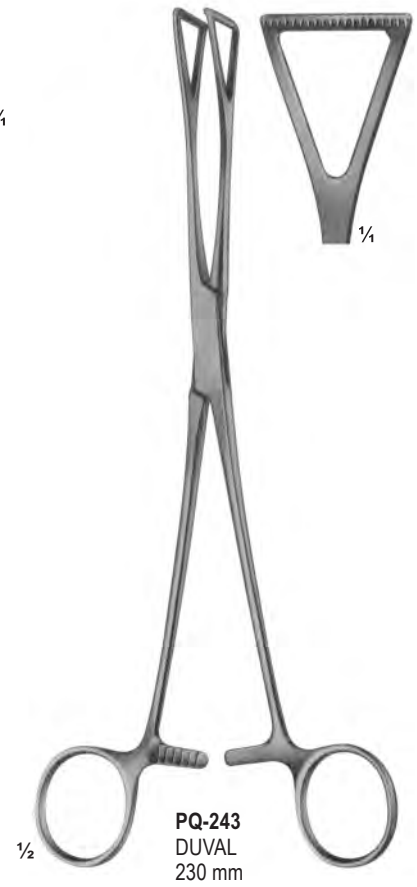
$\frac{1}{2}$ DARDIK
PQ-235 150 mm
PQ-236 150 mm
PQ-237 150 mm
PQ-238 145 mm
PQ-239 130 mm

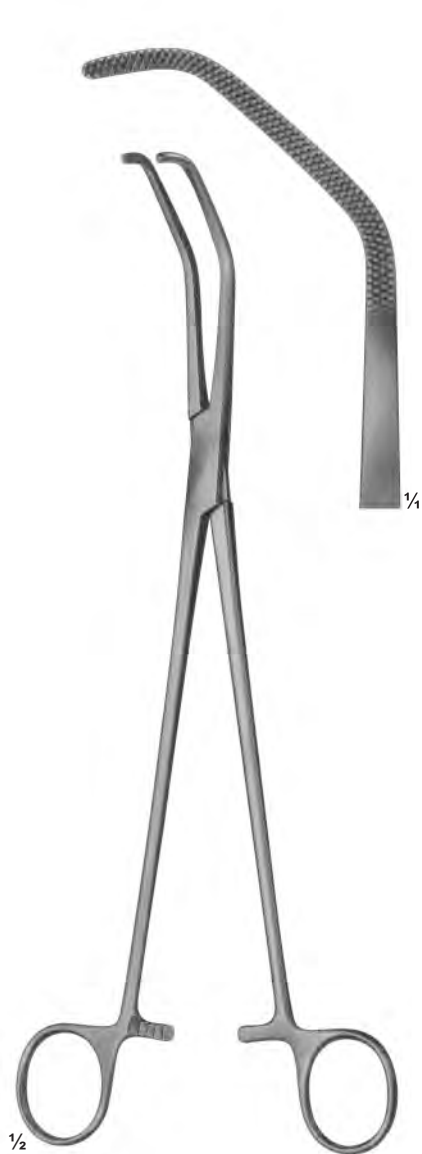


$\frac{1}{2}$ DARDIK
PQ-235 170 mm
PQ-236 170 mm
PQ-237 170 mm
PQ-238 160 mm
PQ-239 135 mm



MULTI-PURPOSE CLAMPS

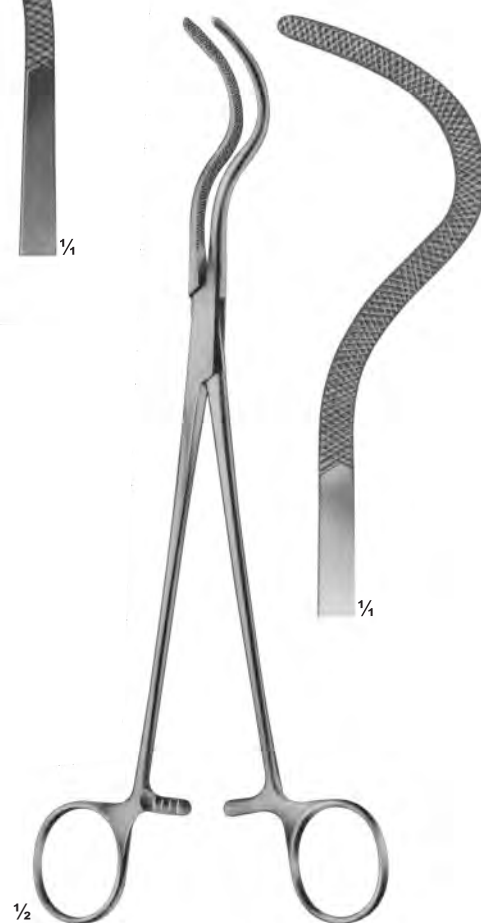




PQ-248
SATINSKY
265 mm

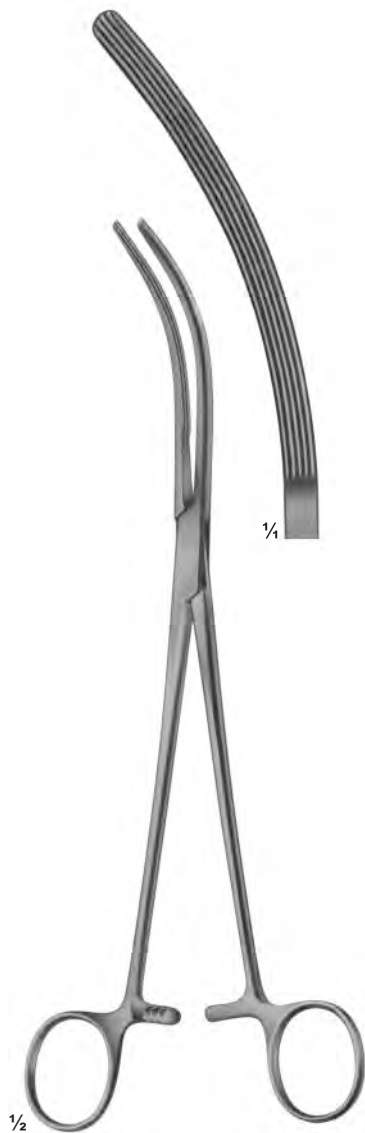


PQ-249
SATINSKY
265 mm

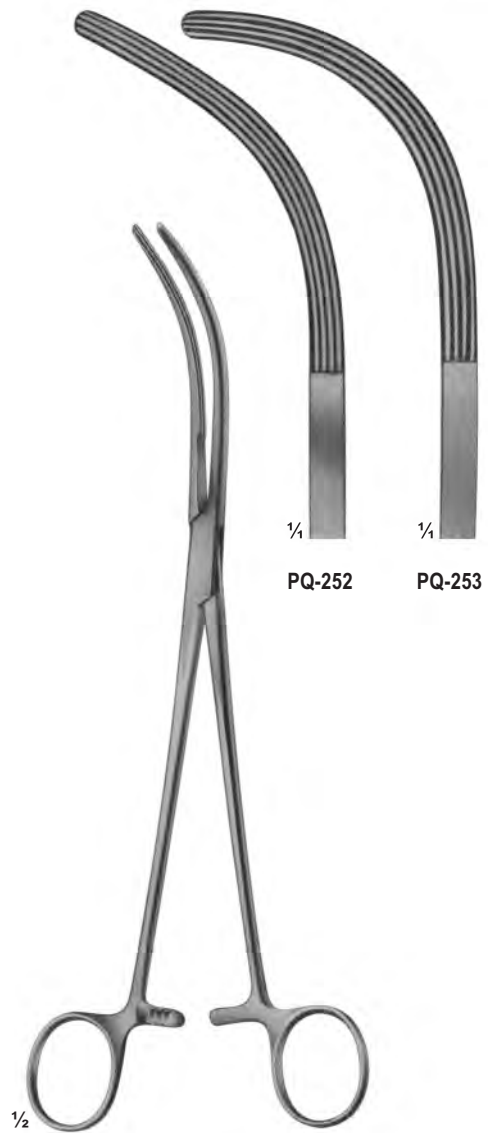


PQ-250
HARKEN
240 mm

CAROTID CLAMPS, VASCULAR CLAMPS



PQ-251
CRAFOORD-SELLORS
240 mm



PQ-252 - PQ-253
CRAFOORD
240 mm



PQ-254
PRICE THOMAS
225 mm

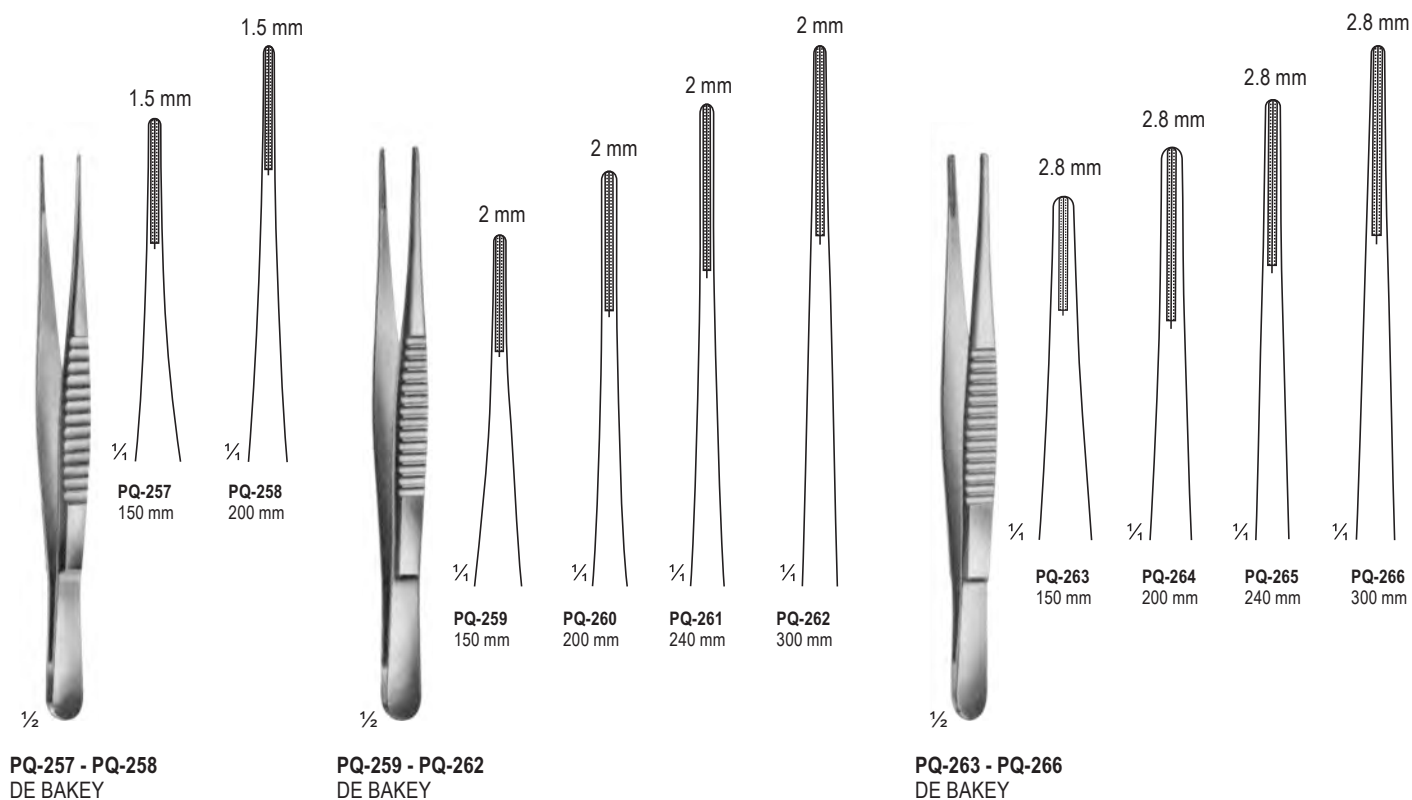


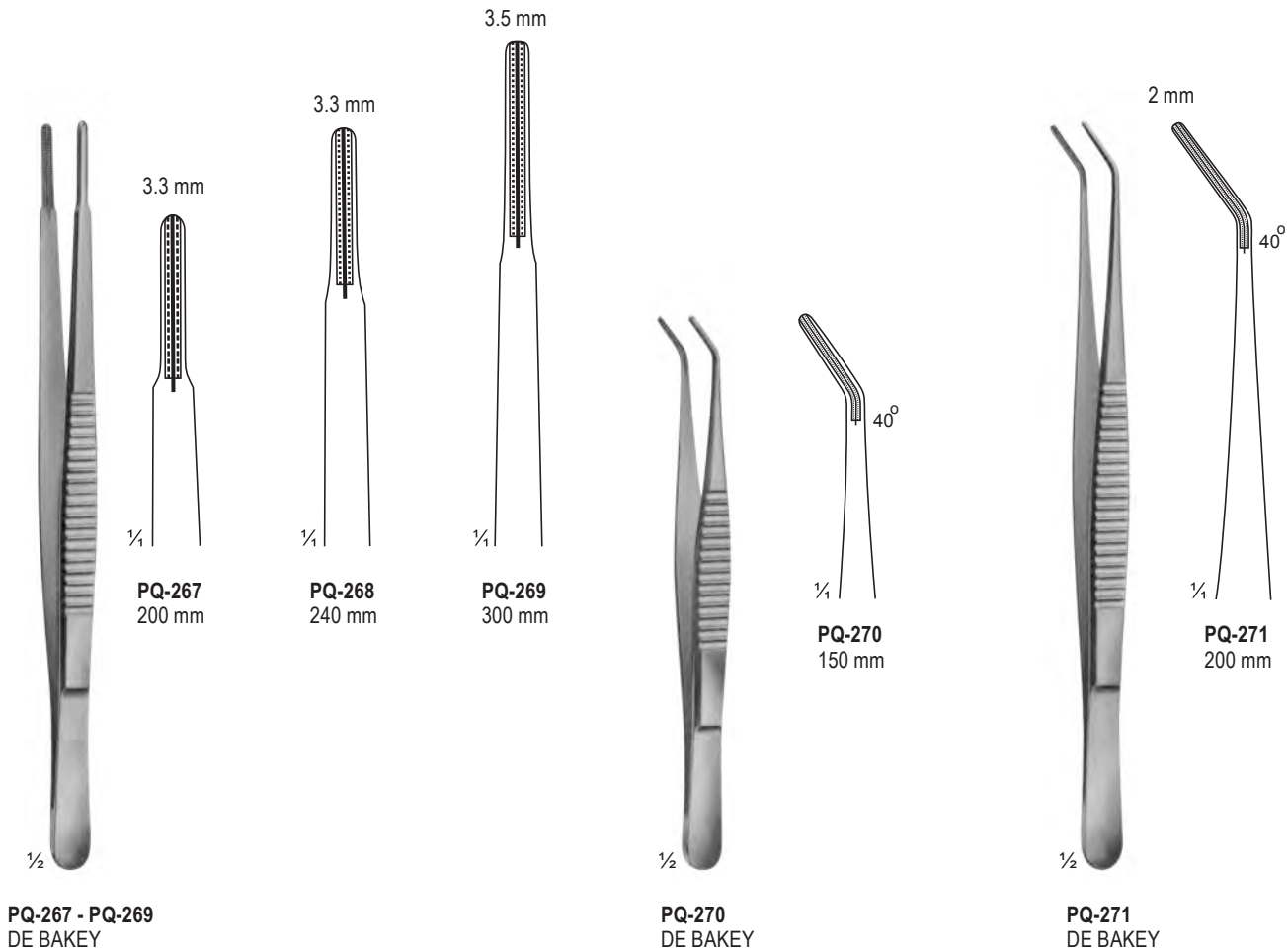
PQ-255 - PQ-256
PRICE THOMAS
225 mm

PQ-255
jaws with pins

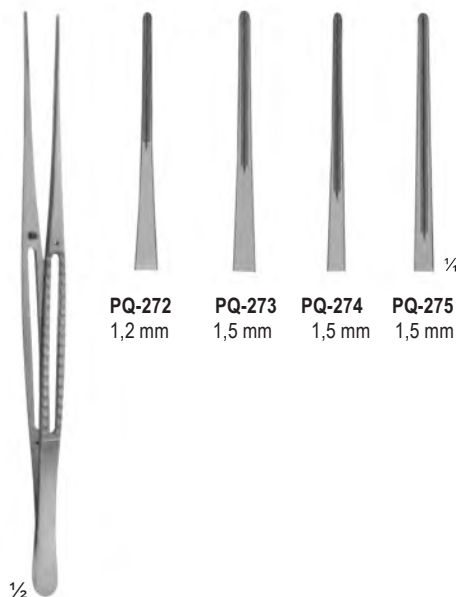
PQ-256
jaws with pins

FORCEPS

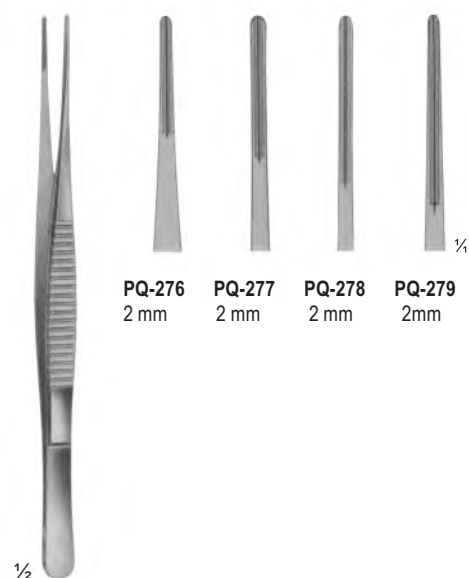




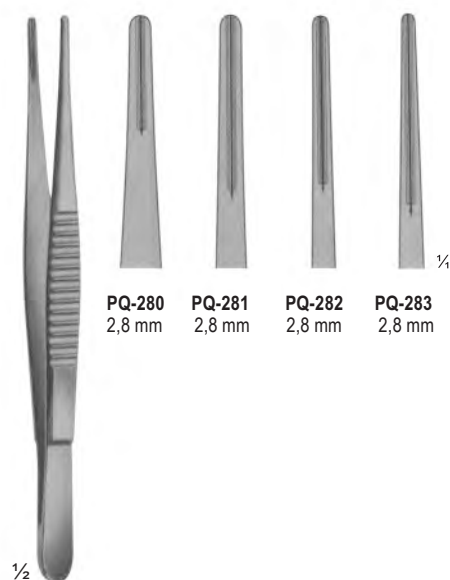
ULTRA - LIGHT - FORCEPS, DISSECTING FORCEPS



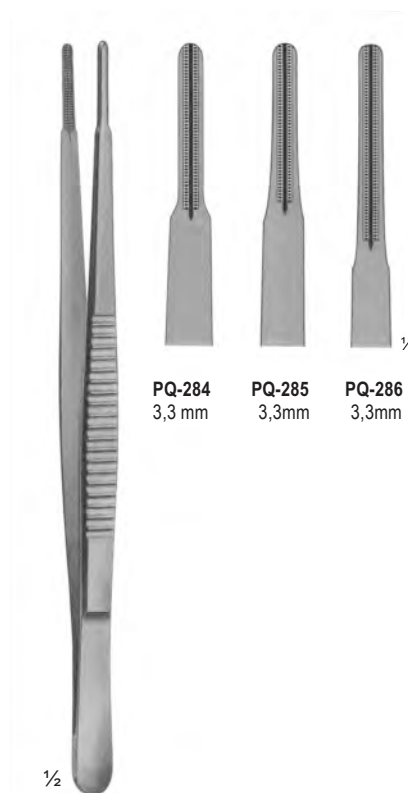
PQ-272 150 mm
PQ-273 200 mm
PQ-274 240 mm
PQ-275 300 mm



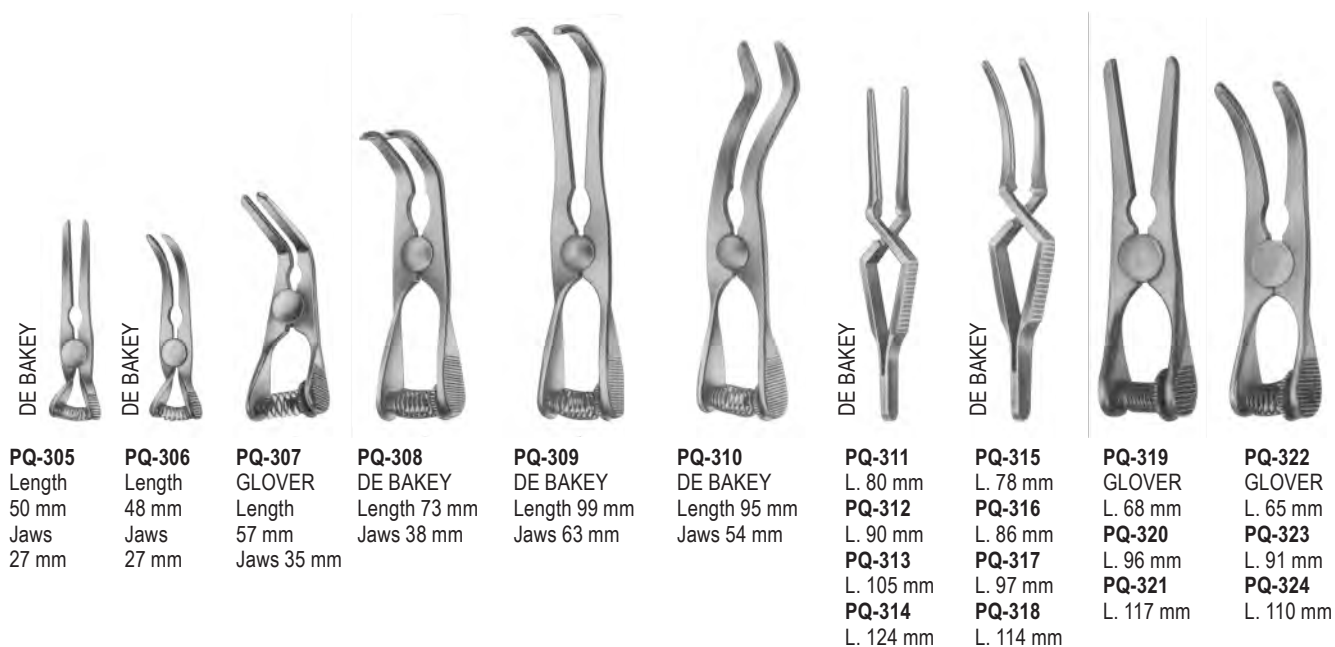
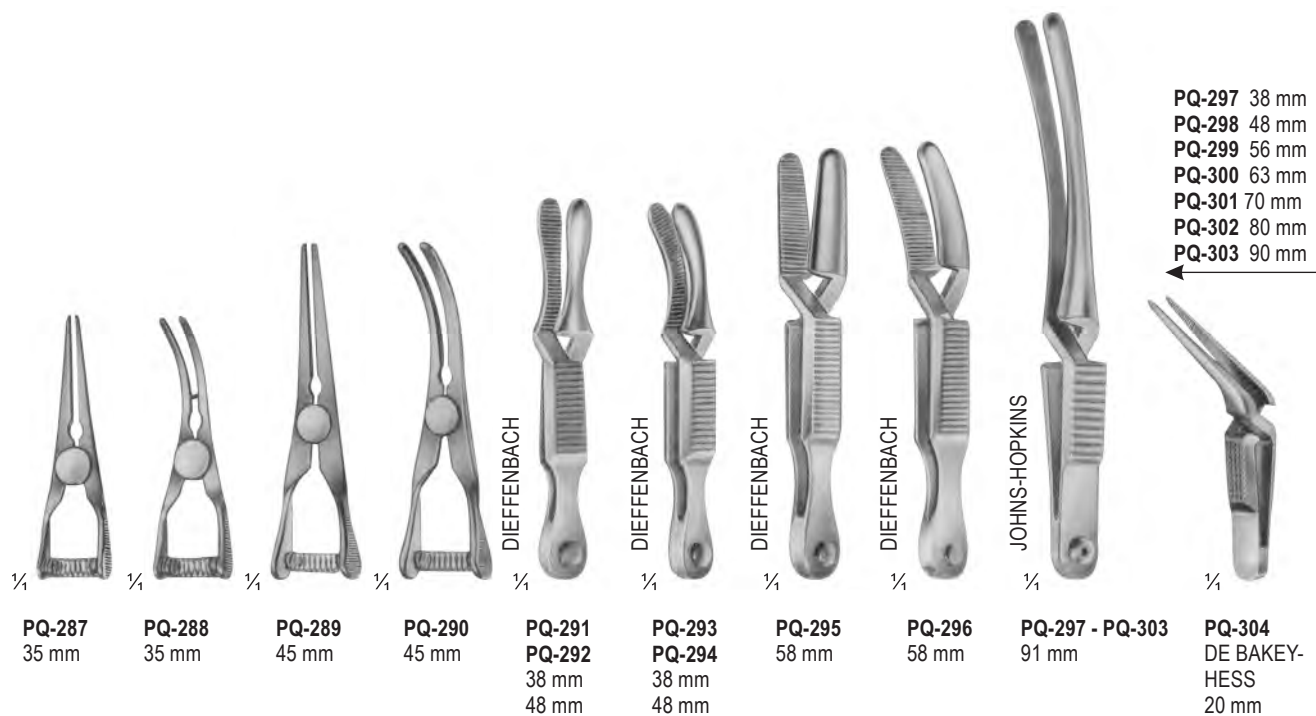
DE BAKEY
PQ-276 150 mm
PQ-277 200 mm
PQ-278 240 mm
PQ-279 300 mm



DE BAKEY
PQ-280 150 mm
PQ-281 200 mm
PQ-282 240 mm
PQ-283 300 mm

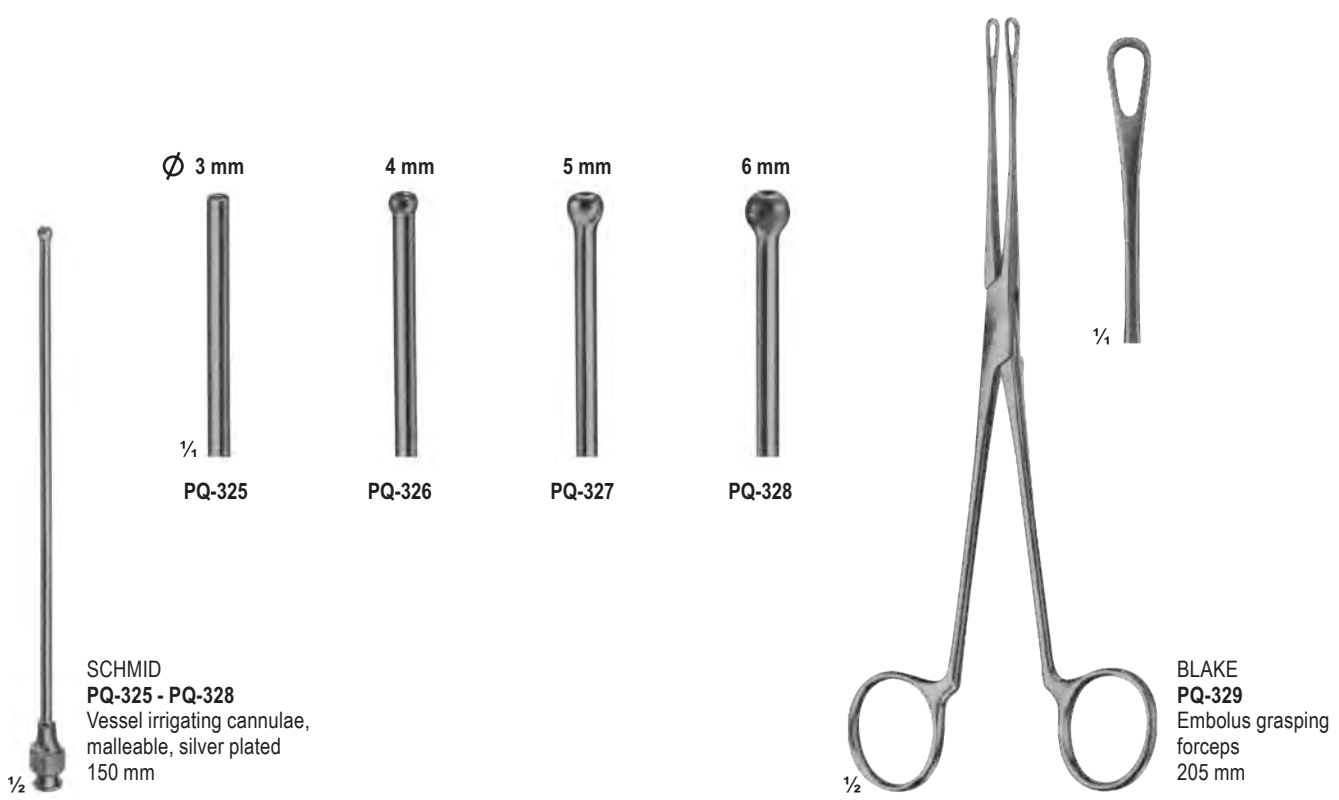


DE BAKEY
PQ-284 200 mm
PQ-285 240 mm
PQ-286 300 mm



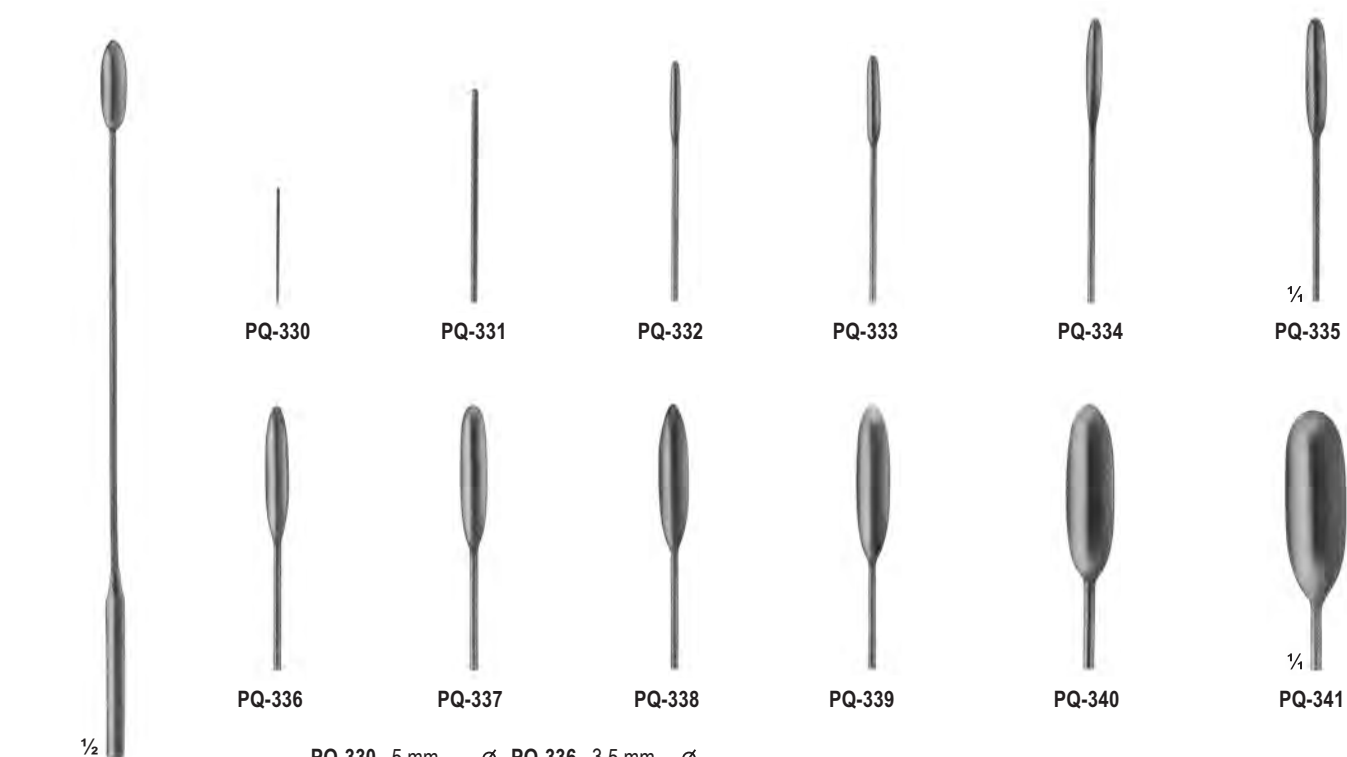


VASCULAR DILATORS



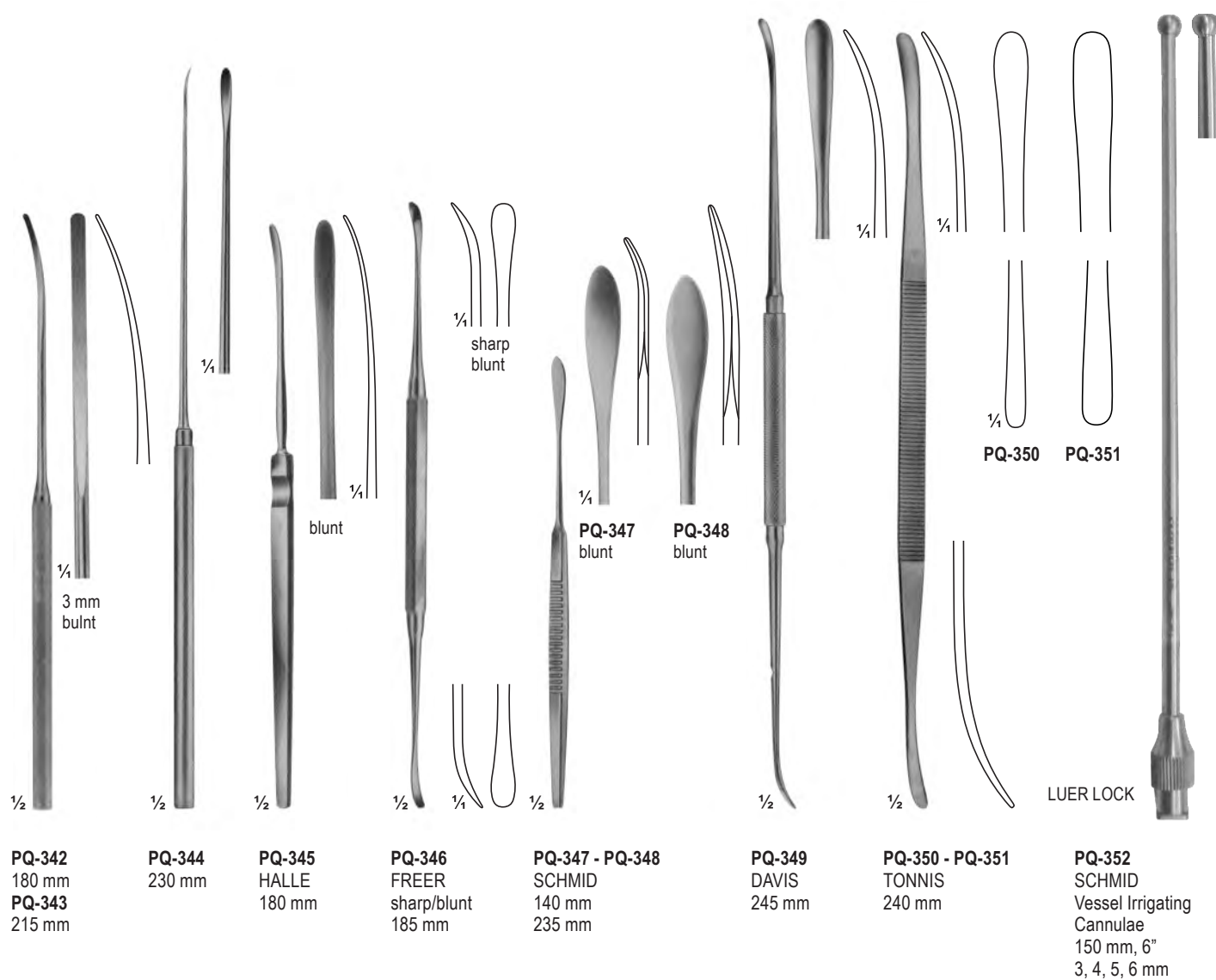
SCHMID
PQ-325 - PQ-328
Vessel irrigating cannulae,
malleable, silver plated
150 mm

BLAKE
PQ-329
Embolus grasping
forceps
205 mm

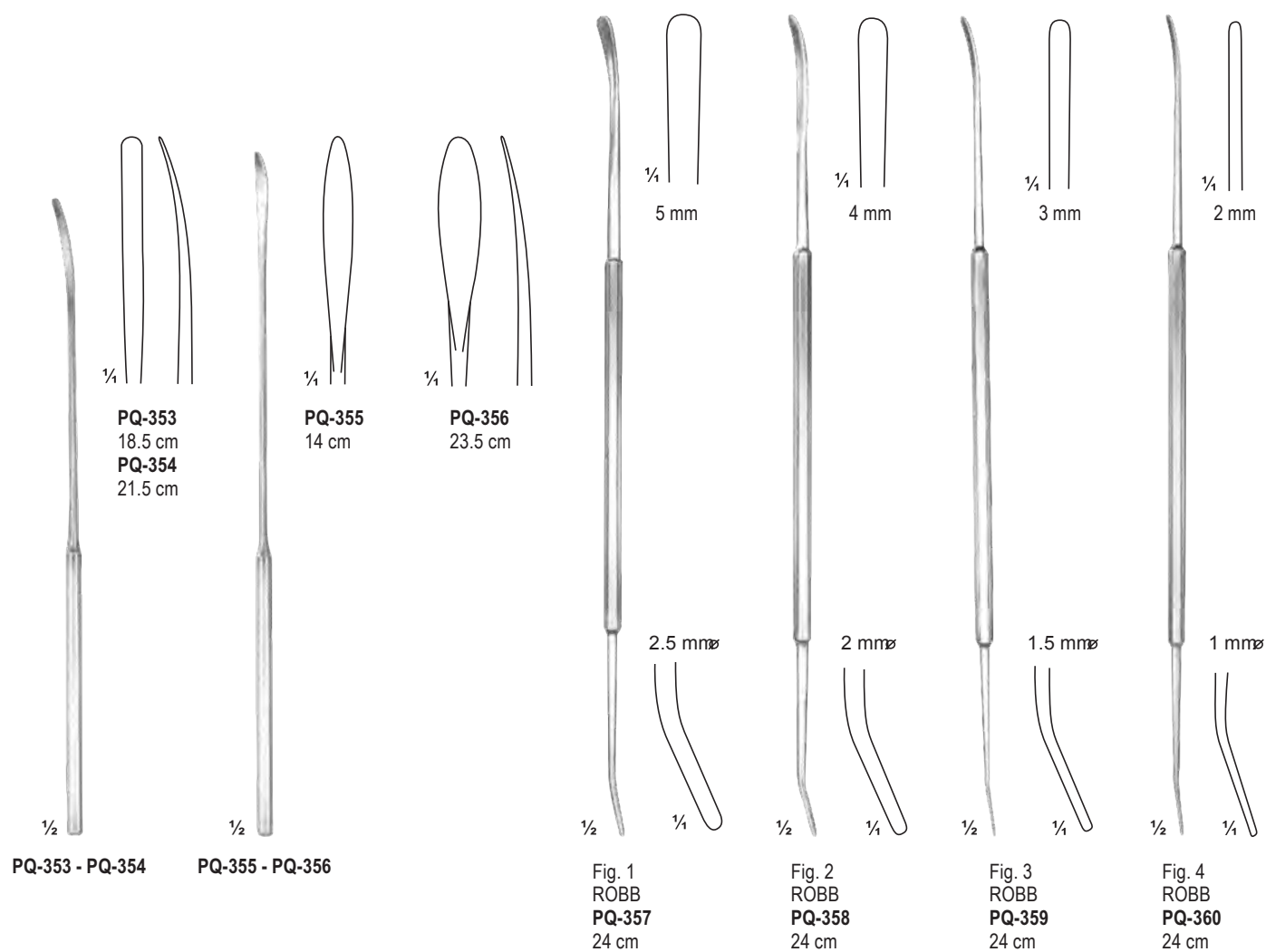


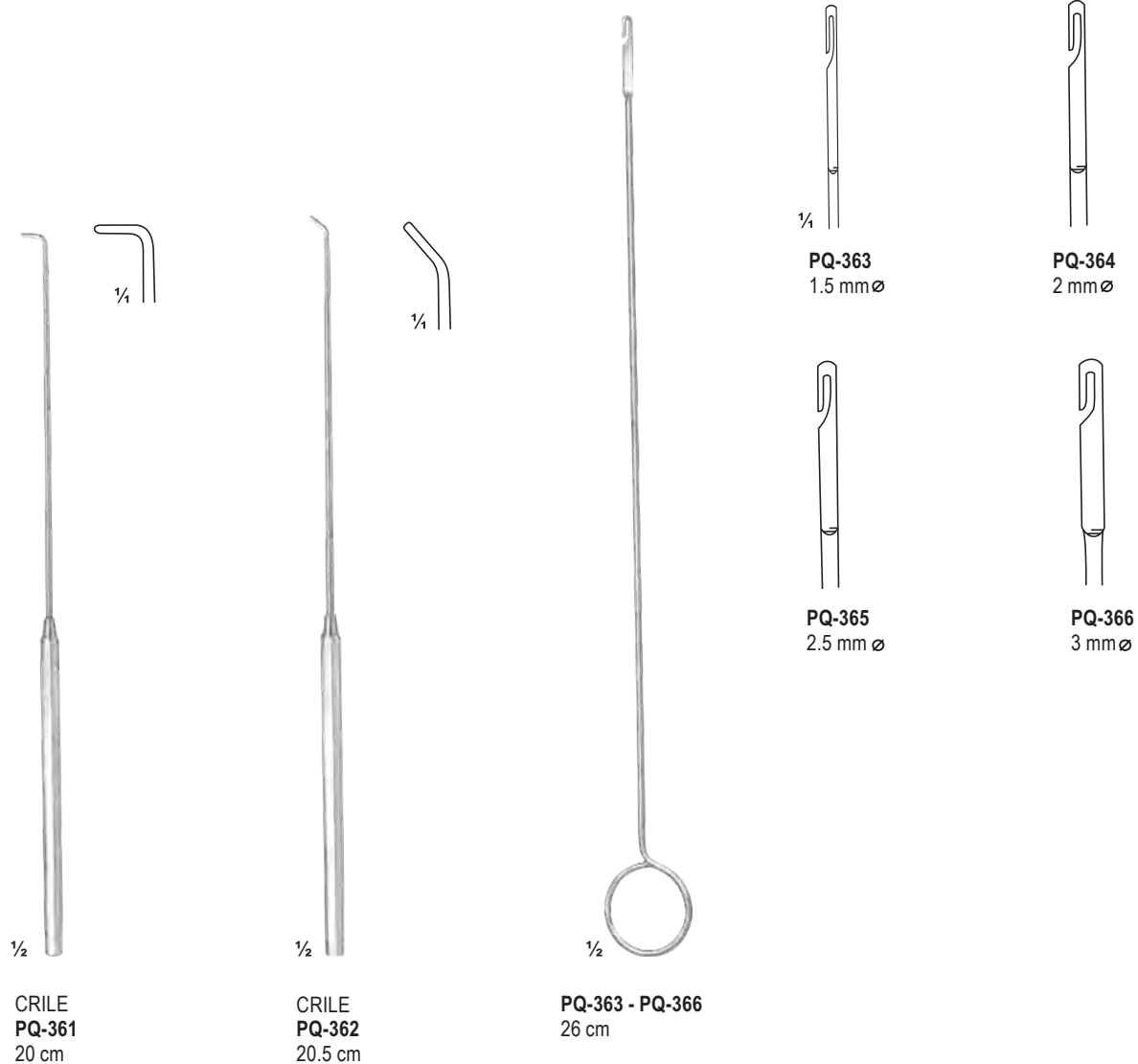
DE BAKEY
PQ-330 - PQ-341
Vascular dilators,
malleable
19 cm

PQ-330	5 mm	Ø	PQ-336	3.5 mm	Ø
PQ-331	1 mm	Ø	PQ-337	4 mm	Ø
PQ-332	1.5 mm	Ø	PQ-338	4.5 mm	Ø
PQ-333	2 mm	Ø	PQ-339	5 mm	Ø
PQ-334	2.5 mm	Ø	PQ-340	7 mm	Ø
PQ-335	3 mm	Ø	PQ-341	9 mm	Ø



INTIMA SPATULAS, VASCULAR DILATORS







PQ-367 - PQ-375
Endarterectomy strippers
55 cm



PQ-367
2 mm

PQ-368
3 mm

PQ-369
5 mm

PQ-370
6 mm

PQ-371
7 mm

PQ-372
8.5 mm

PQ-373
10 mm

PQ-374
12 mm

PQ-375
14mm



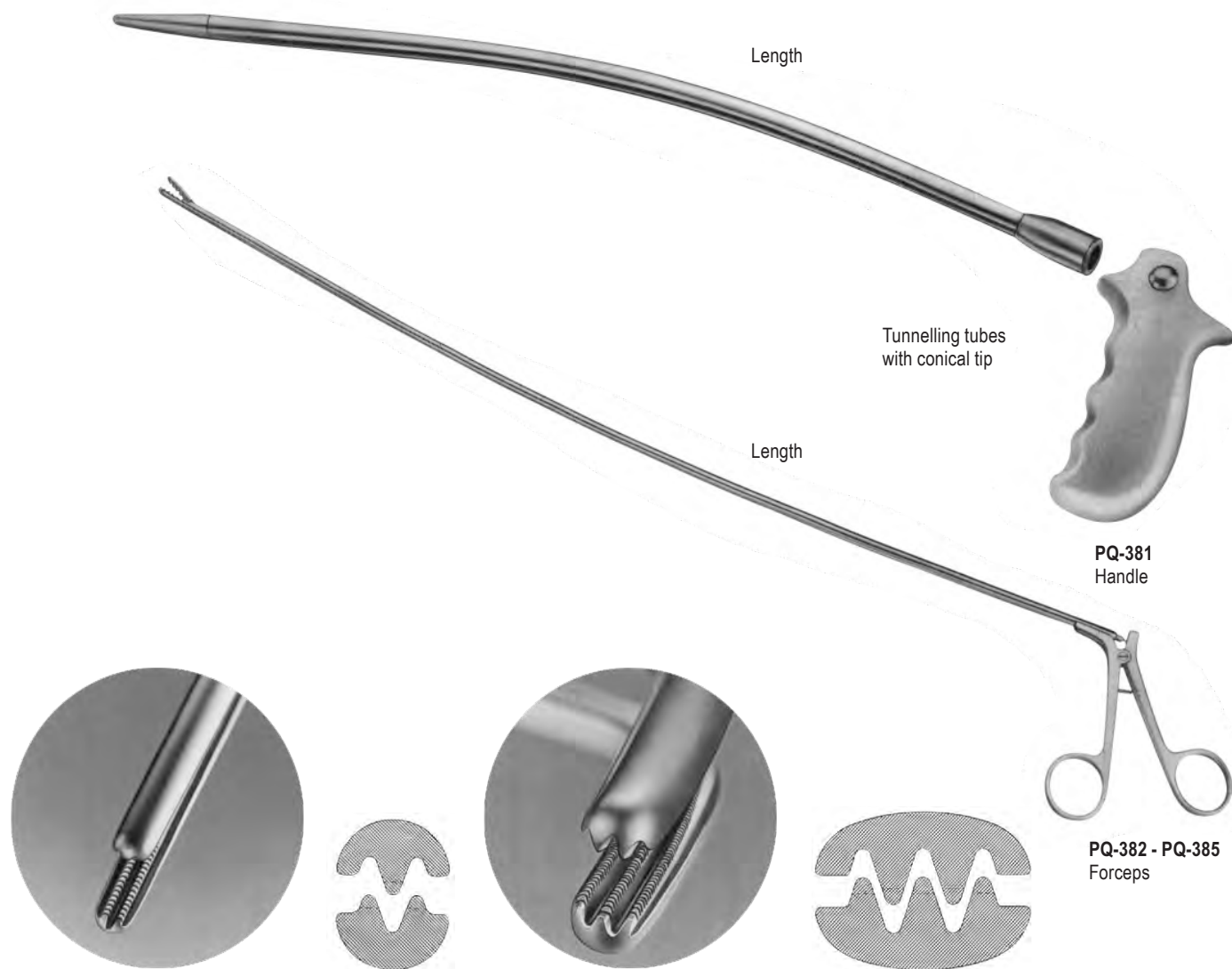
PQ-376
Handle for
11 cm



RUMEL-BELBONT
PQ-377 - PQ-378
32.5 cm
PQ-377 - 4 mm \varnothing
PQ-378 - 6.4 mm \varnothing



PQ-379 - PQ-380
Guide only

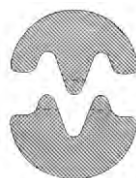


PQ-381
Handle

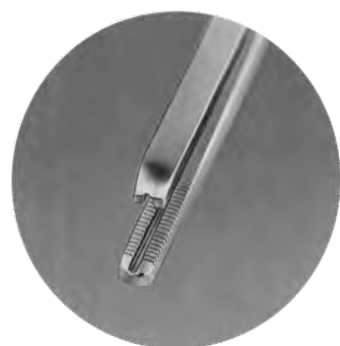
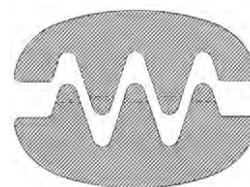
PQ-382 - PQ-385
Forceps



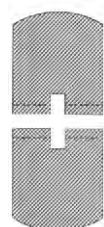
DE BAKEY
PQ-382
1 : 2 rows of teeth



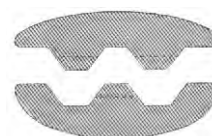
DE BAKEY
PQ-383
2 : 3 rows of teeth



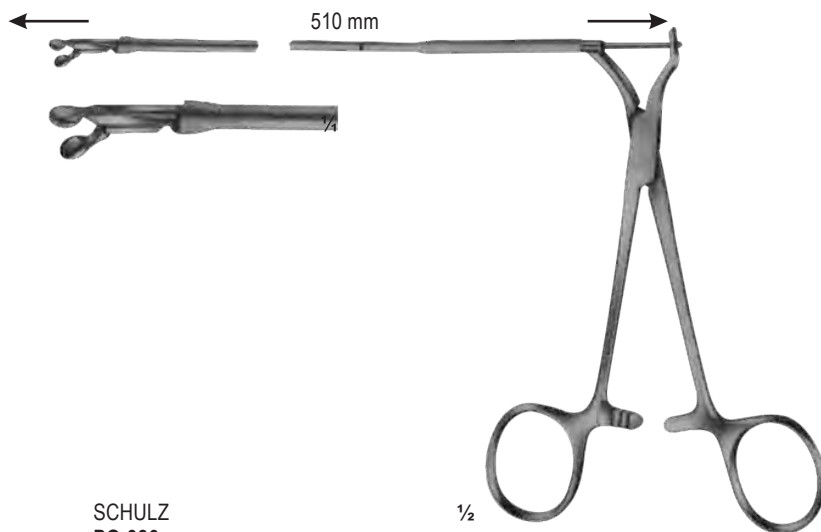
COOLEY
PQ-384
2 : 2 rows of teeth



DARDIK
PQ-385
2 : 3 rows of teeth



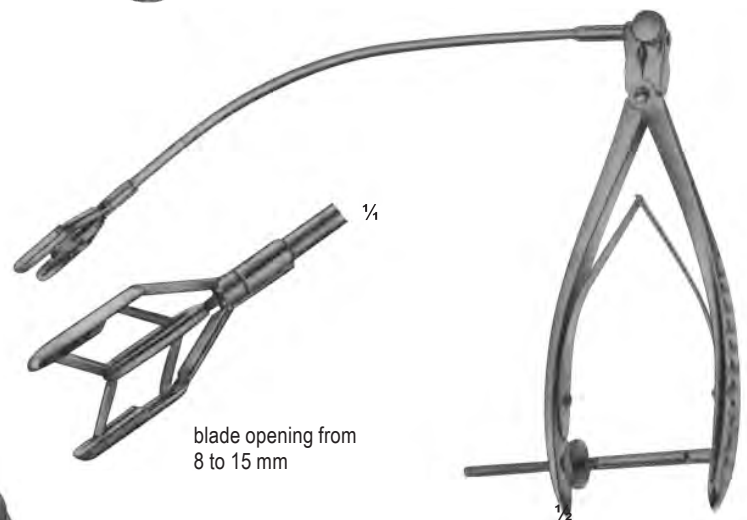
AORTIC DILATORS



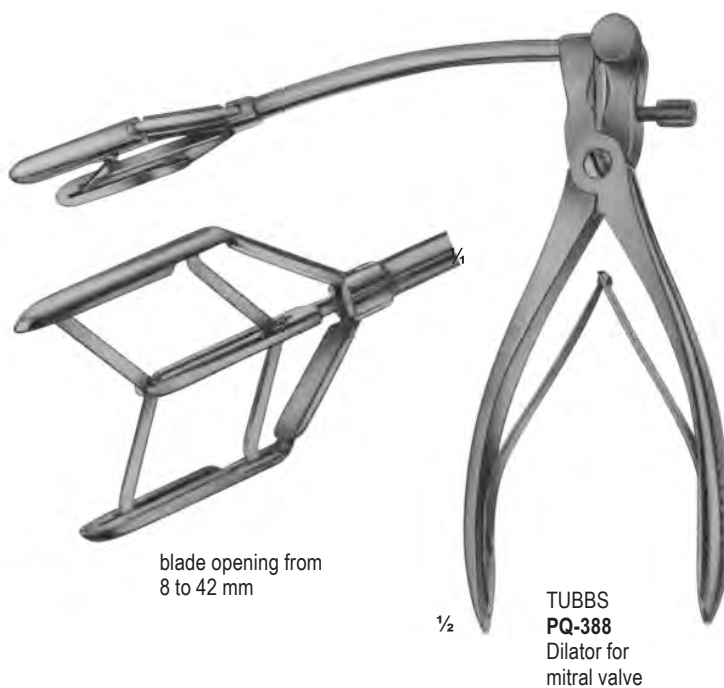
**SCHULZ
PQ-386**

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
PQ-387**
Dilator for
mitral valve
for children



**TUBBS
PQ-388**
Dilator for
mitral valve



$\frac{1}{2}$
 SCHUMACHER
 Sternum shears
 PQ-389
 210 mm



$\frac{1}{3}$
 GIERTZ-STILLE
 PQ-390
 250 mm

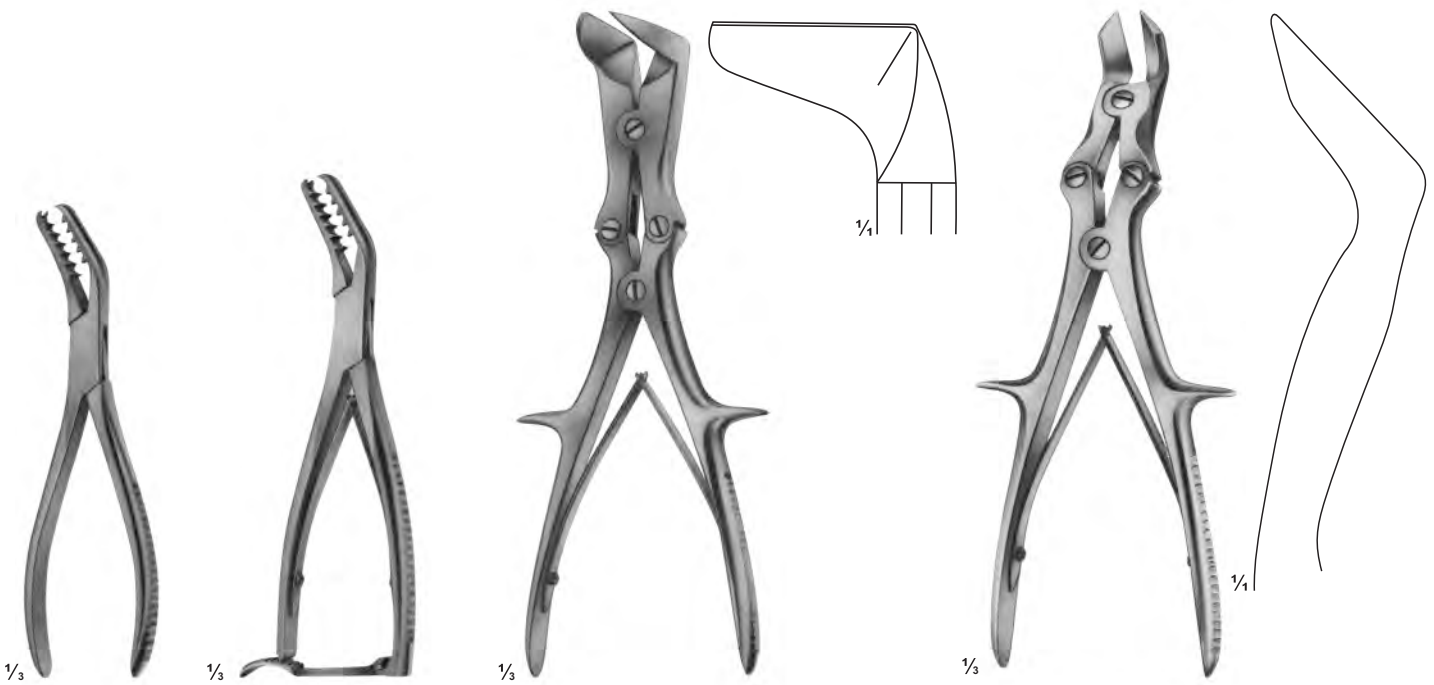


$\frac{1}{2}$
 GLUCK
 PQ-391
 190 mm



$\frac{1}{3}$
 BRUNNER
 Universal Pattern
 PQ-392
 340 mm

RIB HOLDING FORCEPS

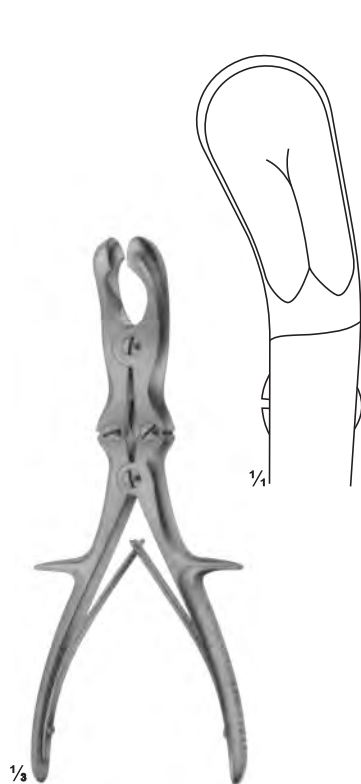


PQ-393
SEMB
Rib-and Bone
Holding forceps
190 mm

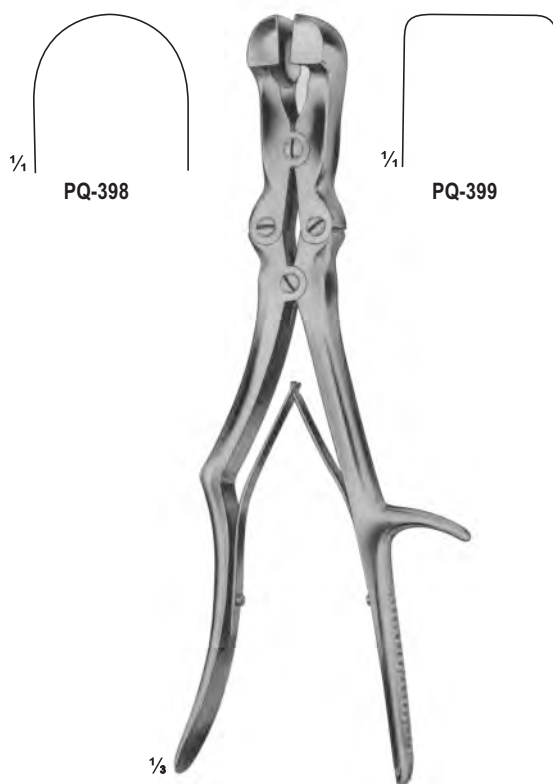
PQ-394
SEMB
Rib-and Bone
Holding forceps
190 mm

PQ-395
LISTON-STILLE
265 mm

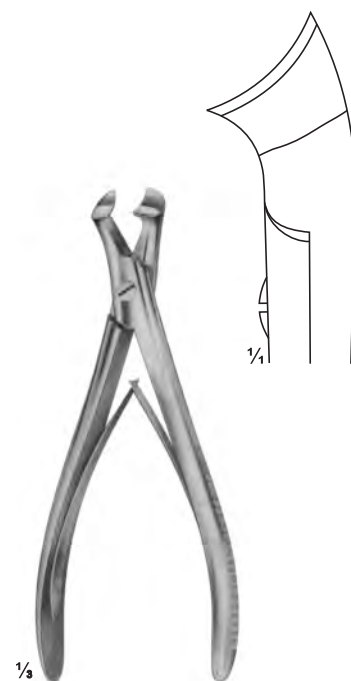
PQ-396
LISTON-KEY-HORSLEY
255 mm



PQ-397
SEME
Rib Rongeur to shorten
the rib stumps
240 mm



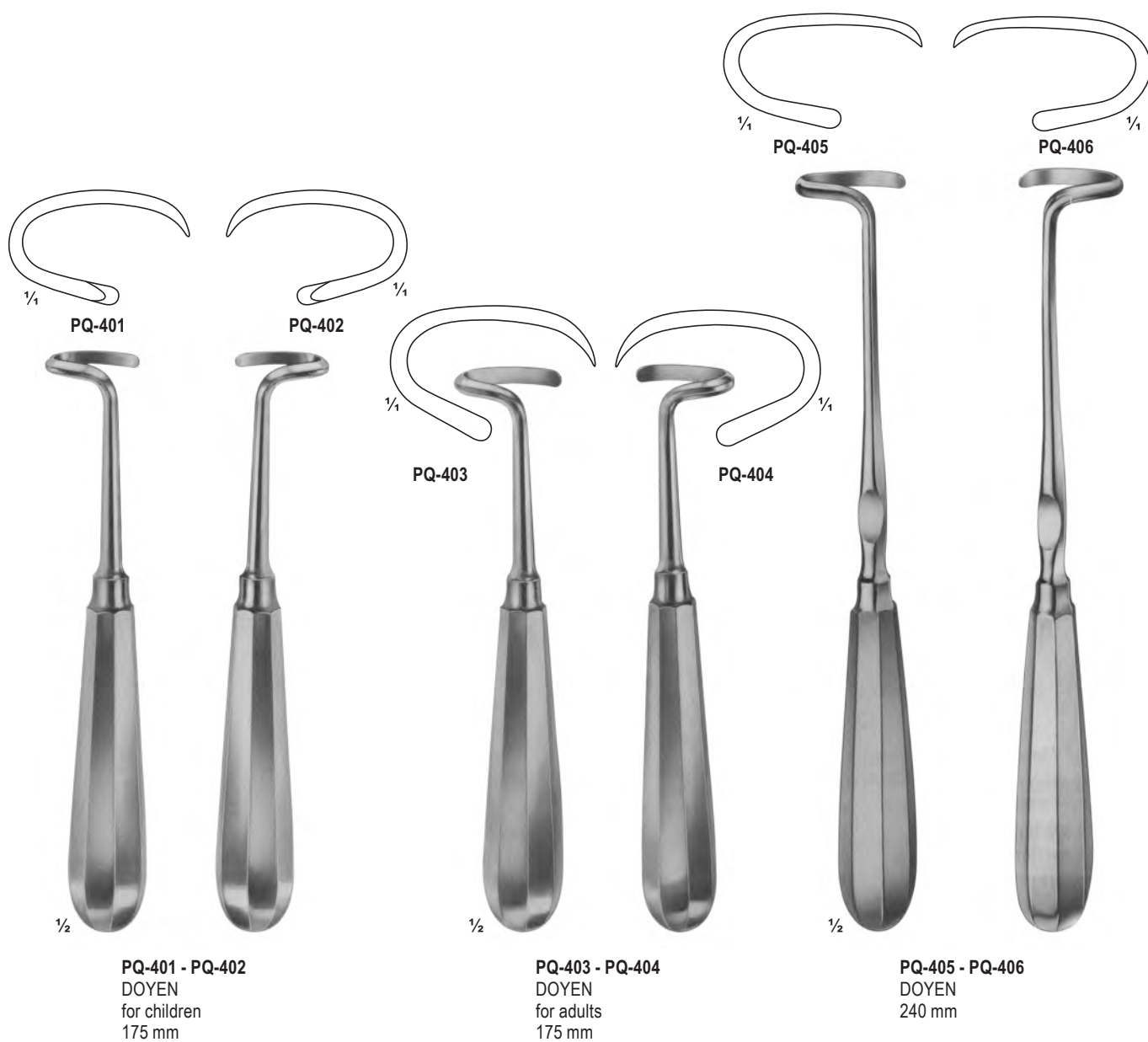
PQ-398 - PQ-399
SAUERDRUCH-CORYLLOS
Rib rongeurs to shortn
the rib stumps
310 mm



PQ-400
MARKWALDER
Rib Rongeur to Round
the rib stumps
190 mm

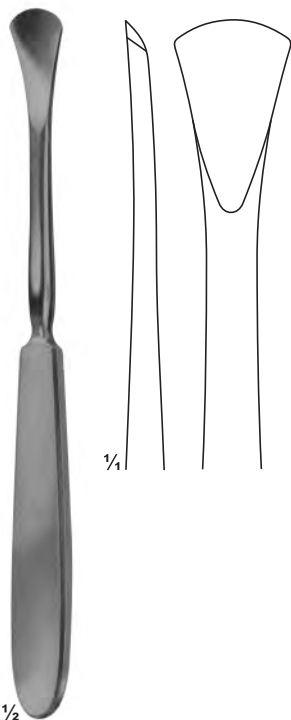
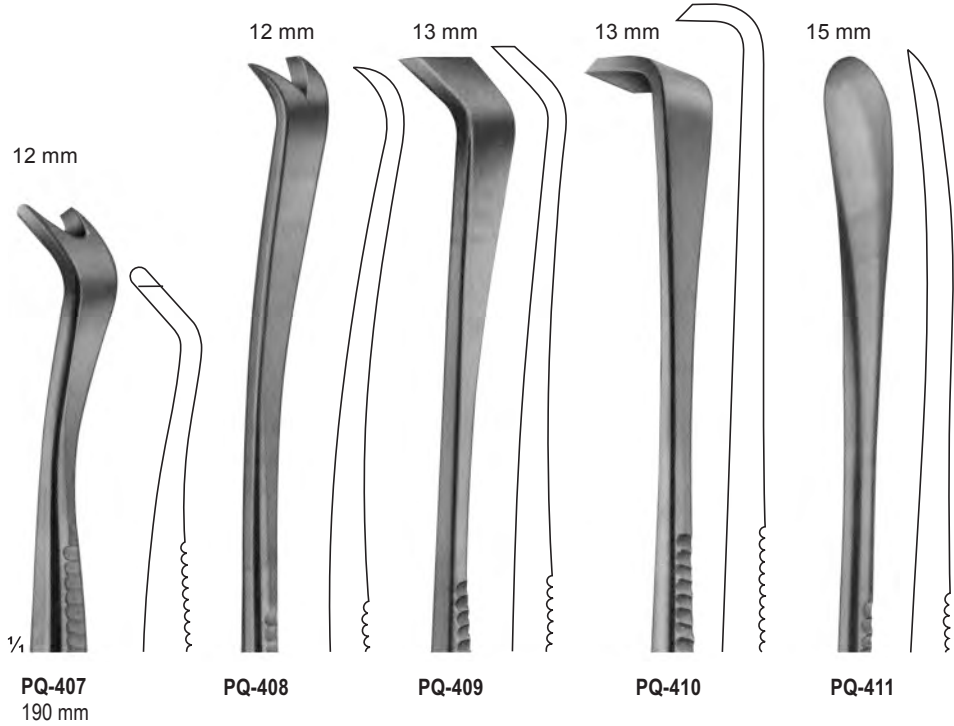


RIB RASPATORIES

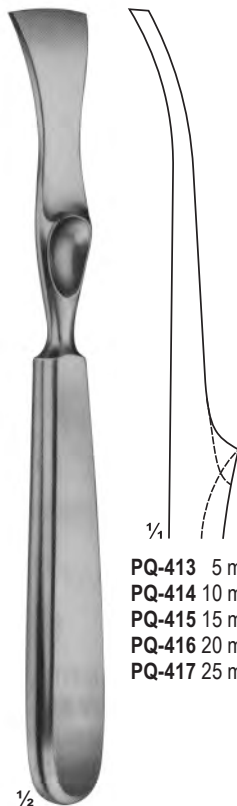




$\frac{1}{2}$
PQ-407 - PQ-411
SEMB
230 mm

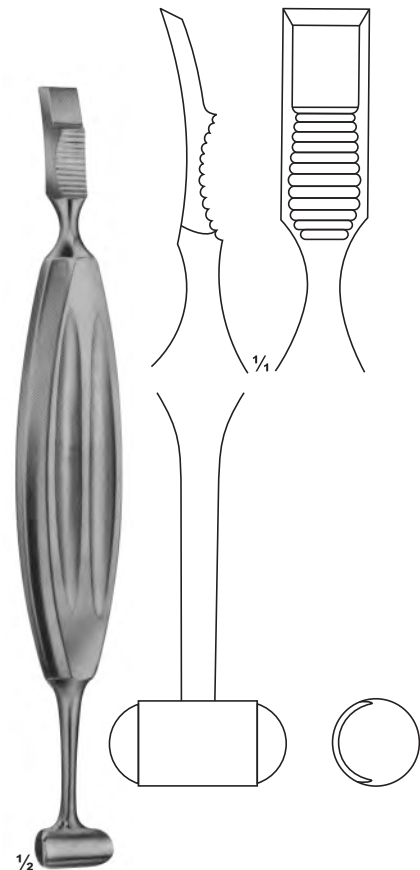


$\frac{1}{2}$
PQ-412
LANGENBECK
190 mm



$\frac{1}{2}$
PQ-413 - PQ-417
LAMBOTTE
215 mm

PQ-413 5 mm
PQ-414 10 mm
PQ-415 15 mm
PQ-416 20 mm
PQ-417 25 mm

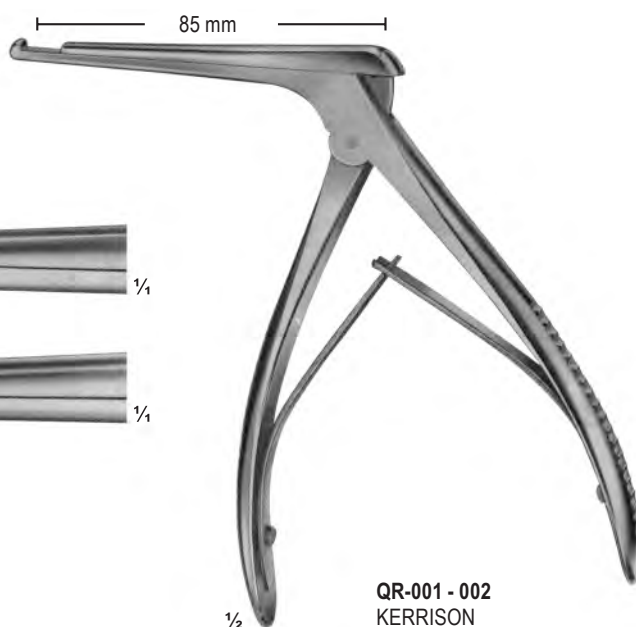


$\frac{1}{2}$
PQ-418
ALEXANDER
210 mm

Page 377–395

- Bone Punches
- Rongeurs
- Amputation

90° upwards cutting



QR-001
4 mm

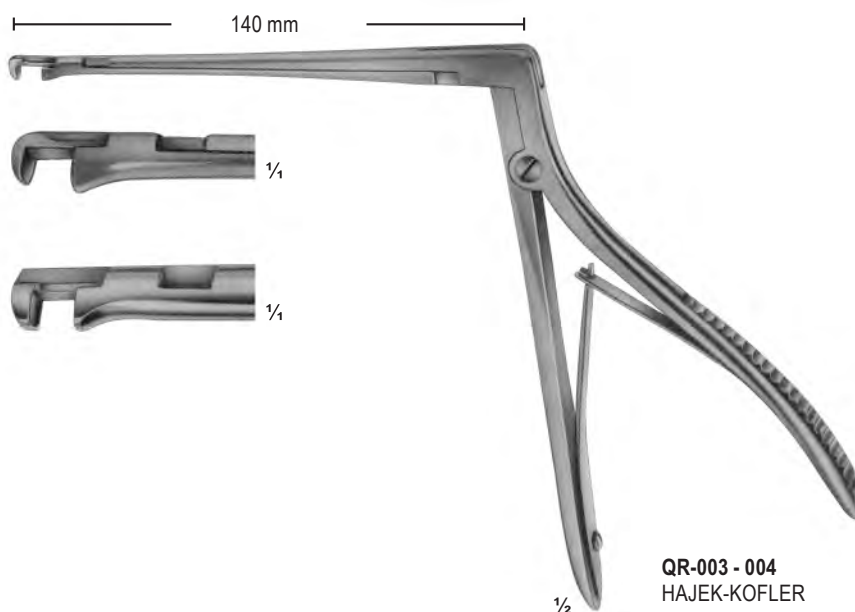


QR-002
5 mm



QR-001 - 002
KERRISON

90° upwards cutting



QR-003
3,3 mm



QR-004
4,0 mm



QR-003 - 004
HAJEK-KOFLER

PUNCHES

130°

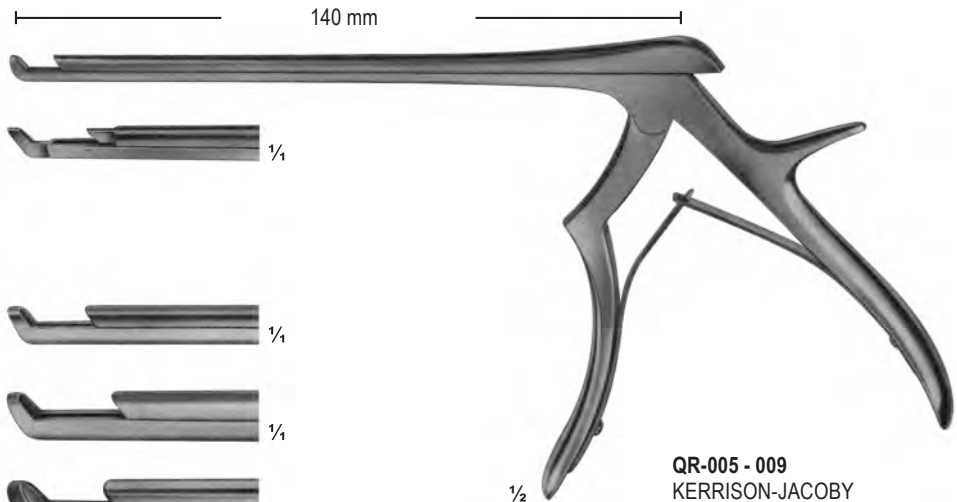
upwards cutting

QR-005
1 mm

QR-006
2 mm

QR-007
3 mm

QR-008
4 mm

QR-009
5 mm

QR-005 - 009
KERRISON-JACOBY

90°

upwards cutting

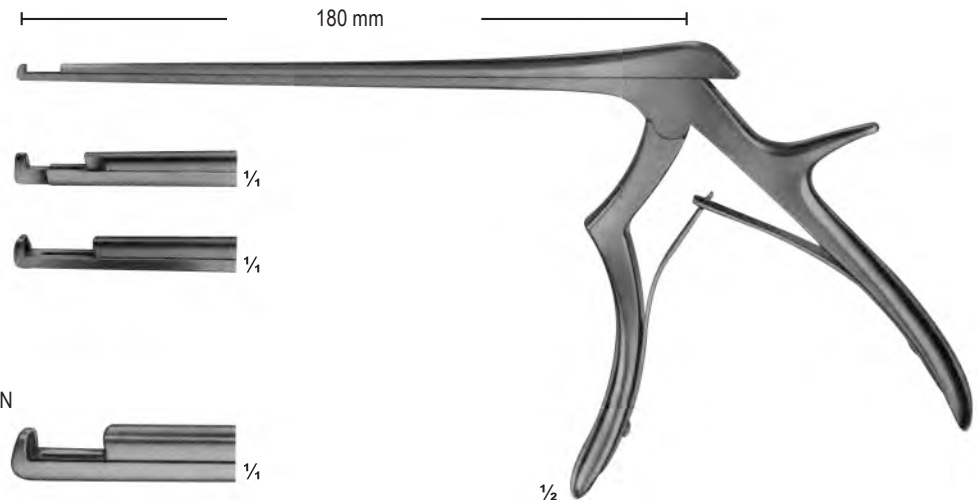
QR-010
1 mm

QR-011
2 mm


FERRIS-SMITH-KERRISON

QR-012
3 mm

QR-013
4 mm

QR-014
5 mm

QR-010 - 014
KERRISON-JACOBY

Angled positions for rongeurs

QR-015

3,0 mm

QR-016

3,6 mm

QR-017

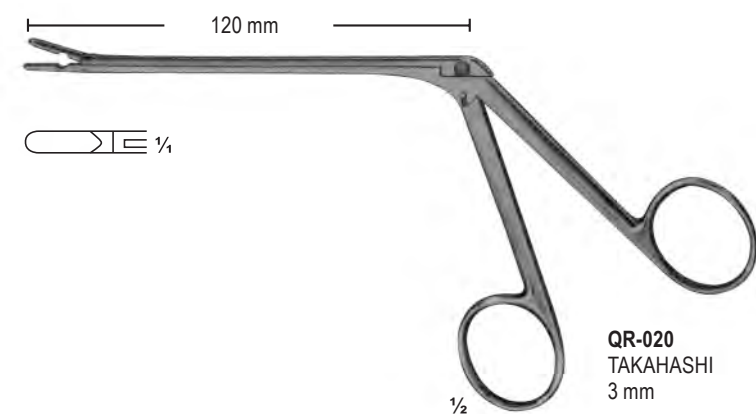
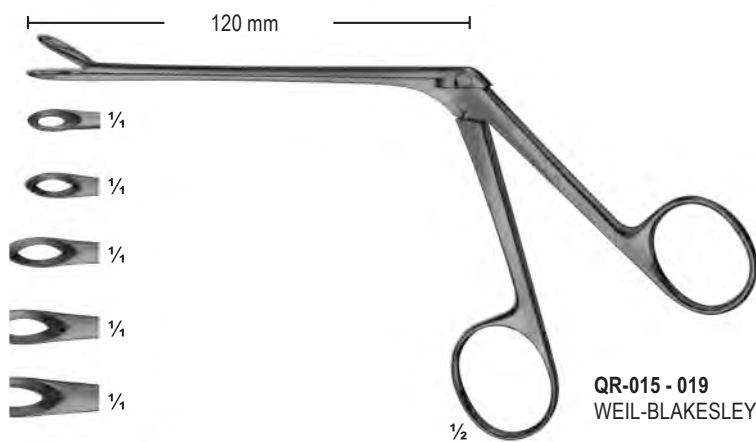
4,2 mm

QR-018

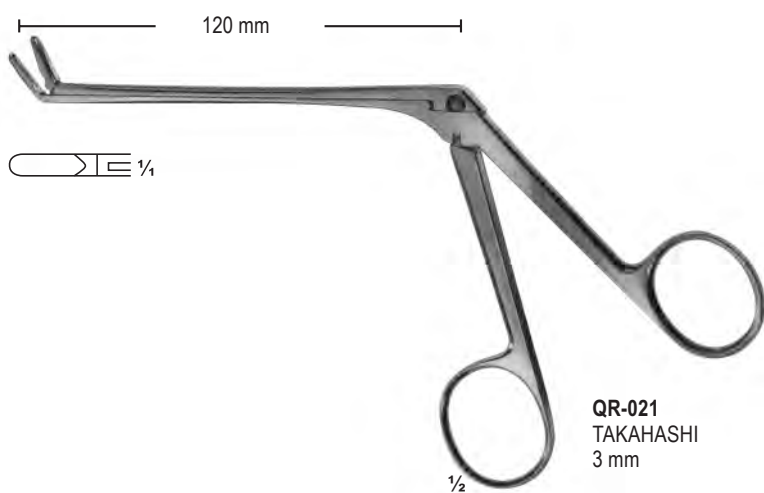
4,8 mm

QR-019

5,8 mm

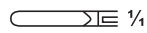


130°



RONGEURS

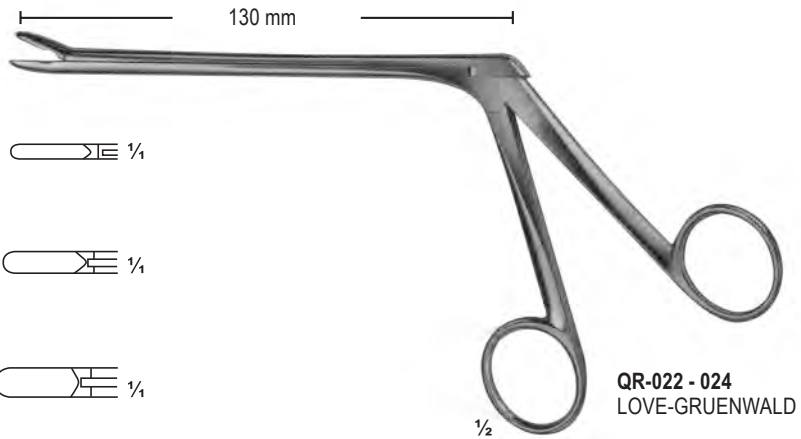
QR-022
2 X 10 mm



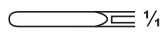
QR-023
3 X 10 mm



QR-024
4 X 10 mm



QR-025
2 mm



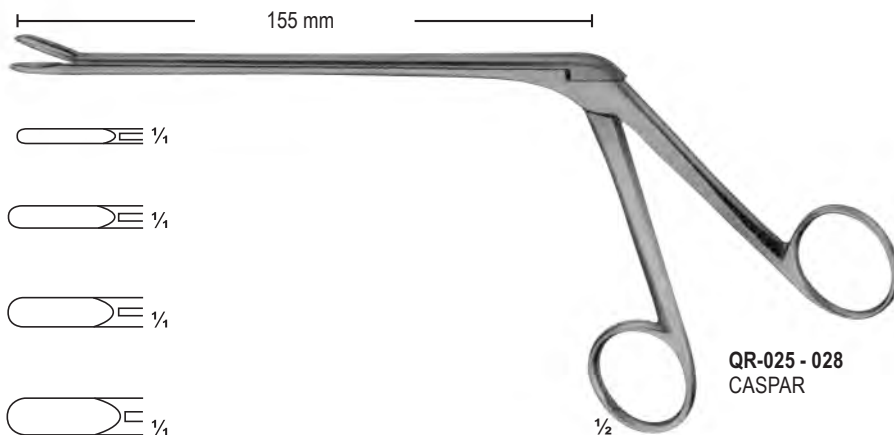
QR-026
3 mm



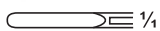
QR-027
4 mm



QR-028
5 mm



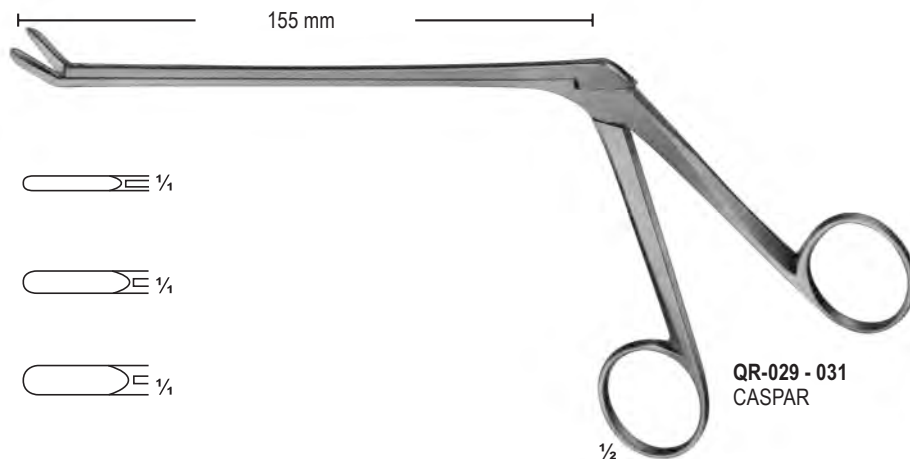
QR-029
2 mm





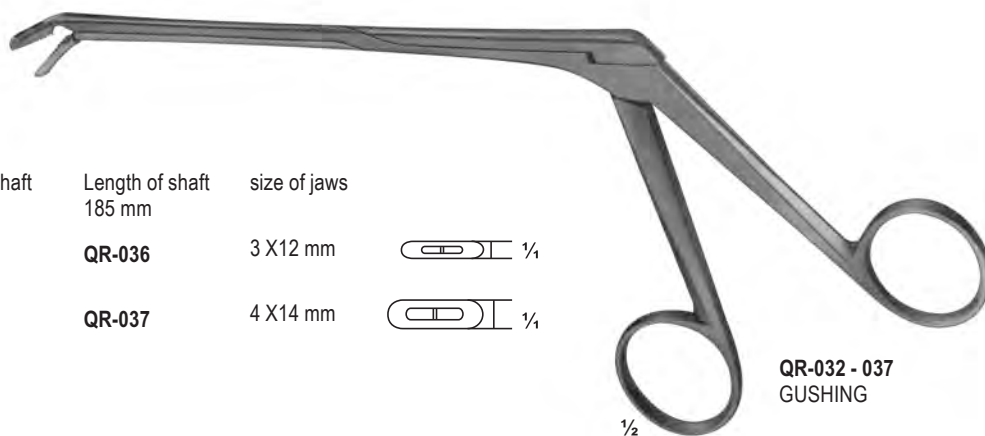
QR-030
3 mm



QR-031
4 mm

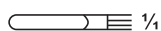


Length of shaft 140 mm	Length of shaft 160 mm	Length of shaft 185 mm	size of jaws
QR-032	QR-034	QR-036	3 X12 mm  1/4
QR-033	QR-035	QR-037	4 X14 mm  1/4



QR-032 - 037
GUSHING

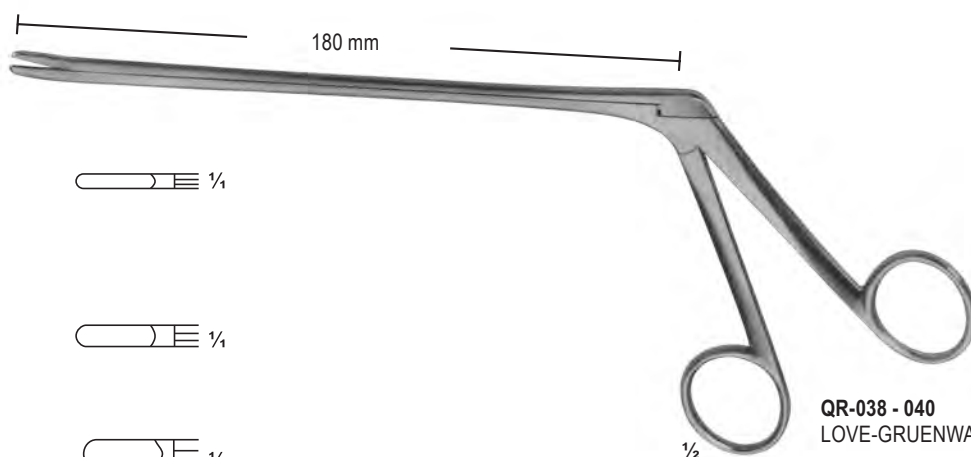
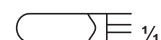
QR-038
2 X 10 mm
GUSHING



QR-039
3 X 10 mm
LOVE-GRUENWALD



QR-040
4 X 10 mm
SPURLING

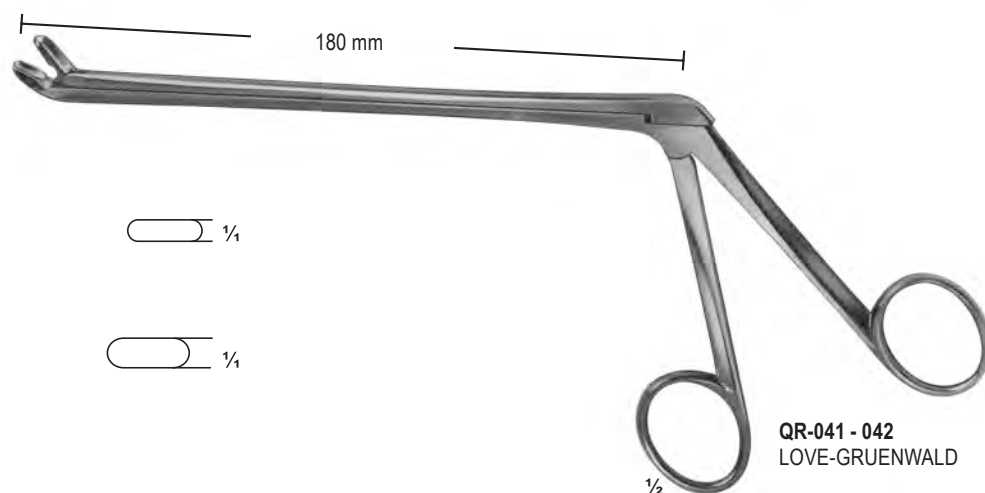


QR-038 - 040
LOVE-GRUENWALD

QR-041
3 X 10 mm
LOVE-GRUENWALD



QR-042
4 X 10 mm
SPURLING



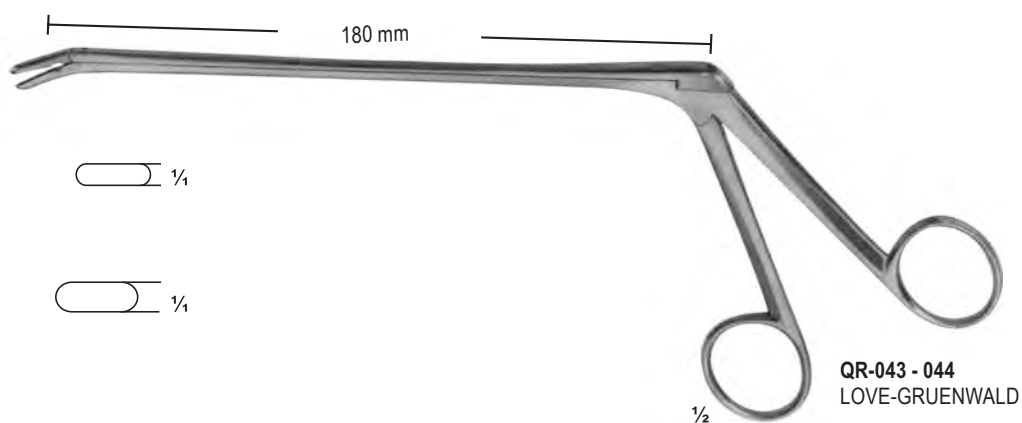
QR-041 - 042
LOVE-GRUENWALD

RONGEURS

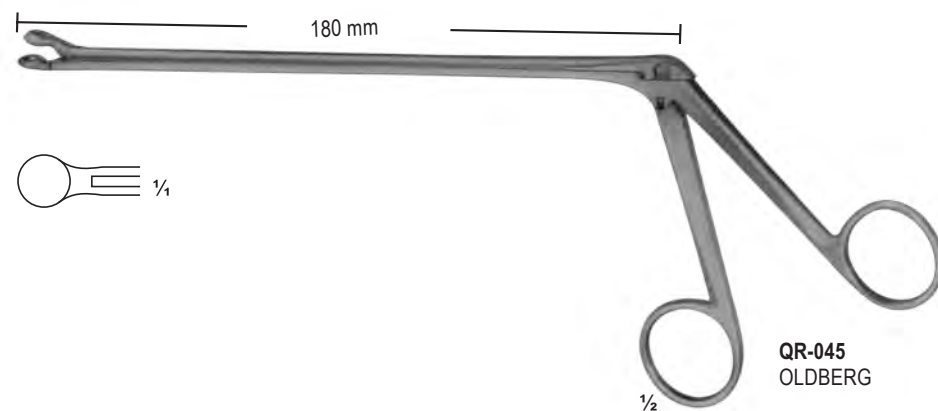
QR-043
3 X 10 mm
LOVE-GRUENWALD



QR-044
4 X 10 mm
SPURLING



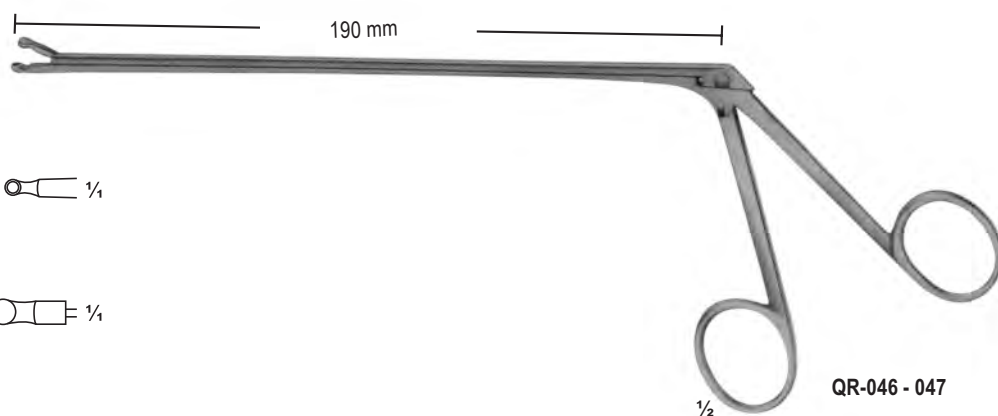
QR-045
7 mm

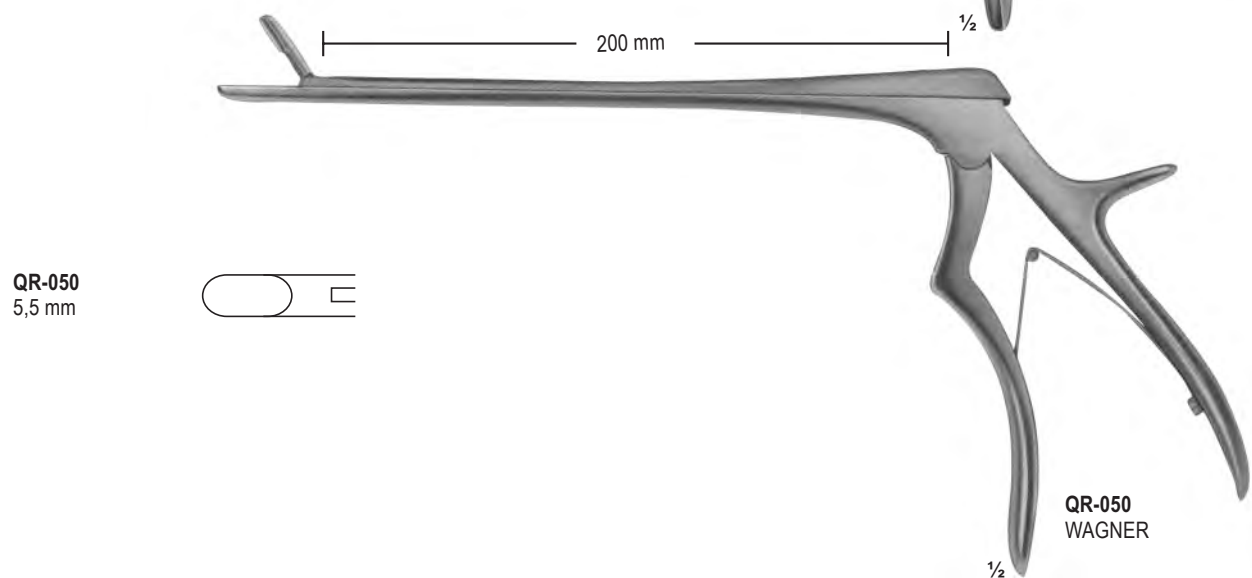
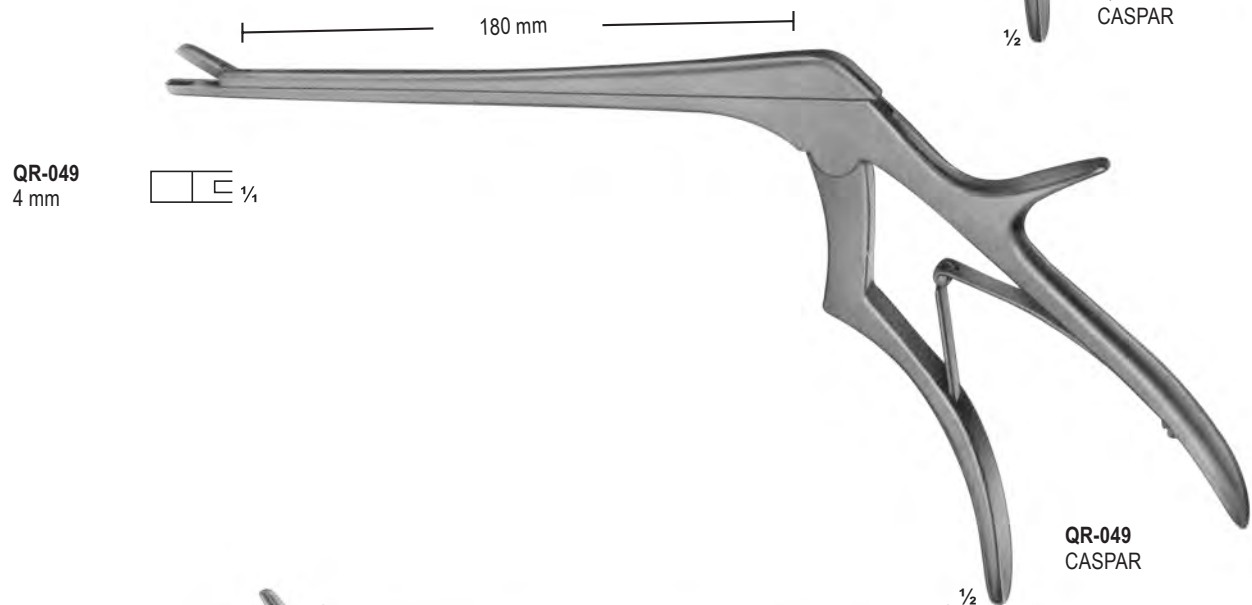
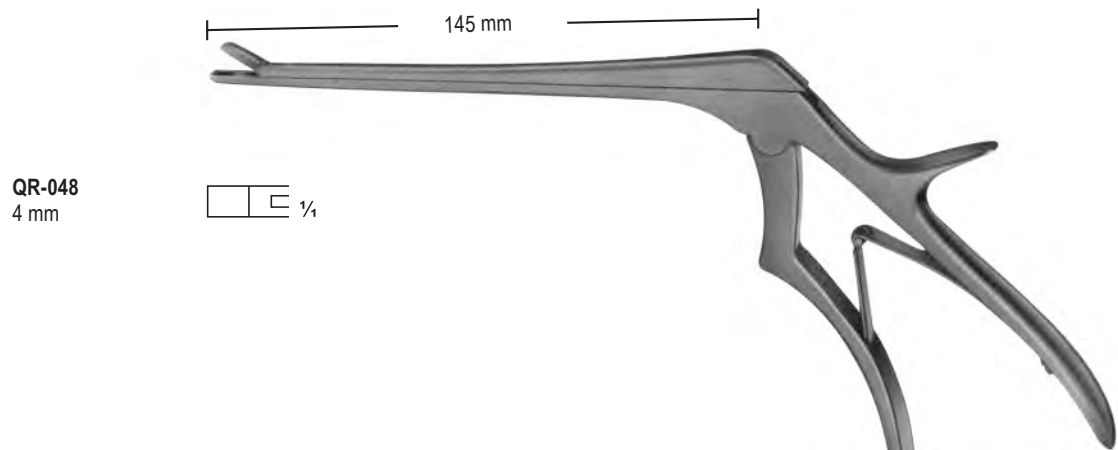


QR-046
YASARGIL
2,2 mm



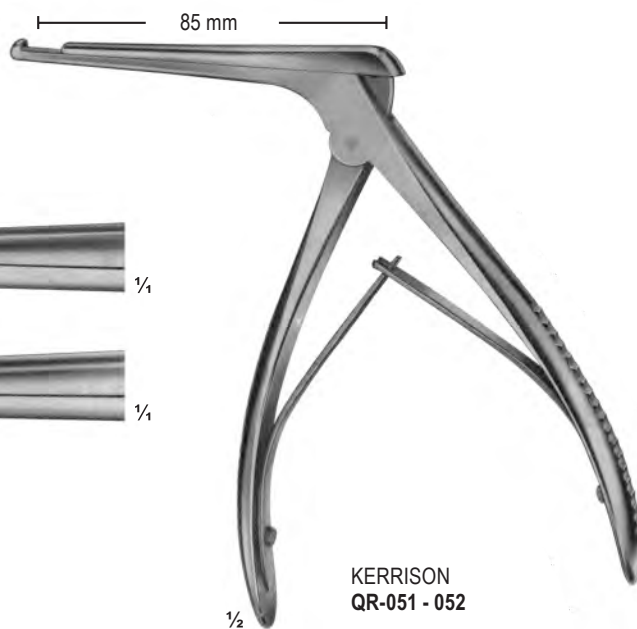
QR-047
YASARGIL
3,5 mm





PUNCHES

90° upwards cutting



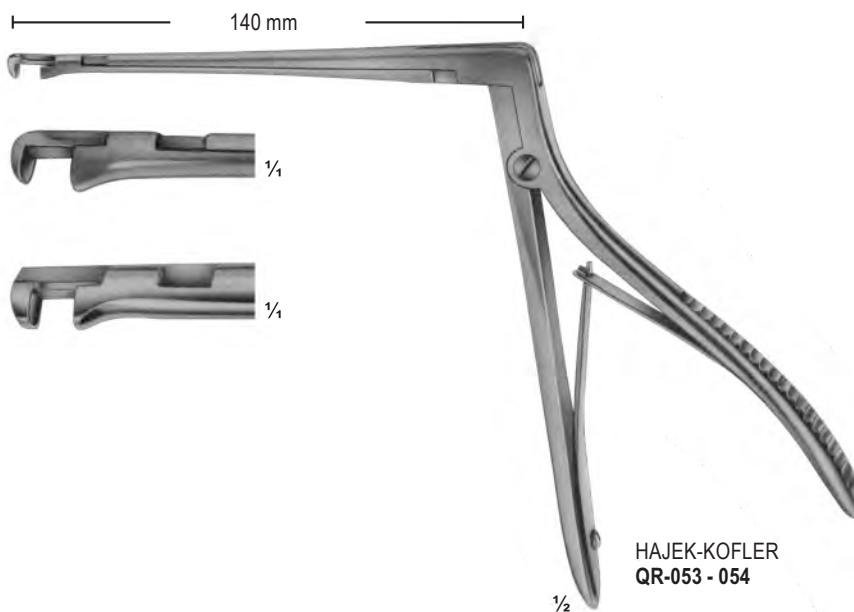
QR-051
4 mm



QR-052
5 mm



90° upwards cutting

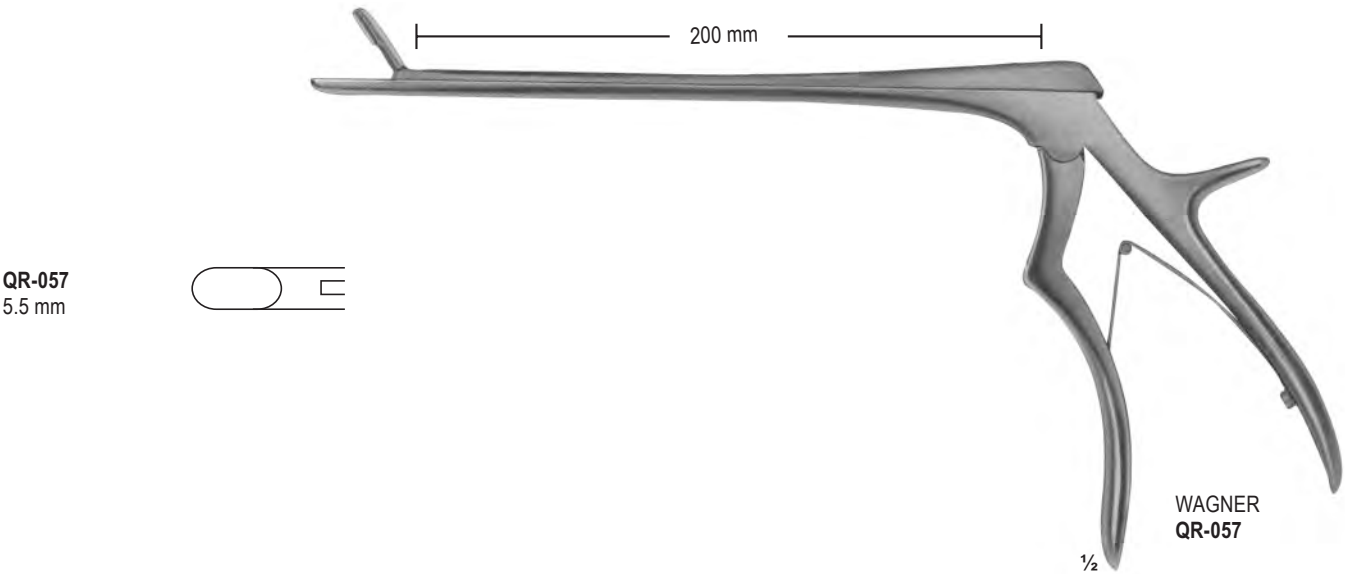
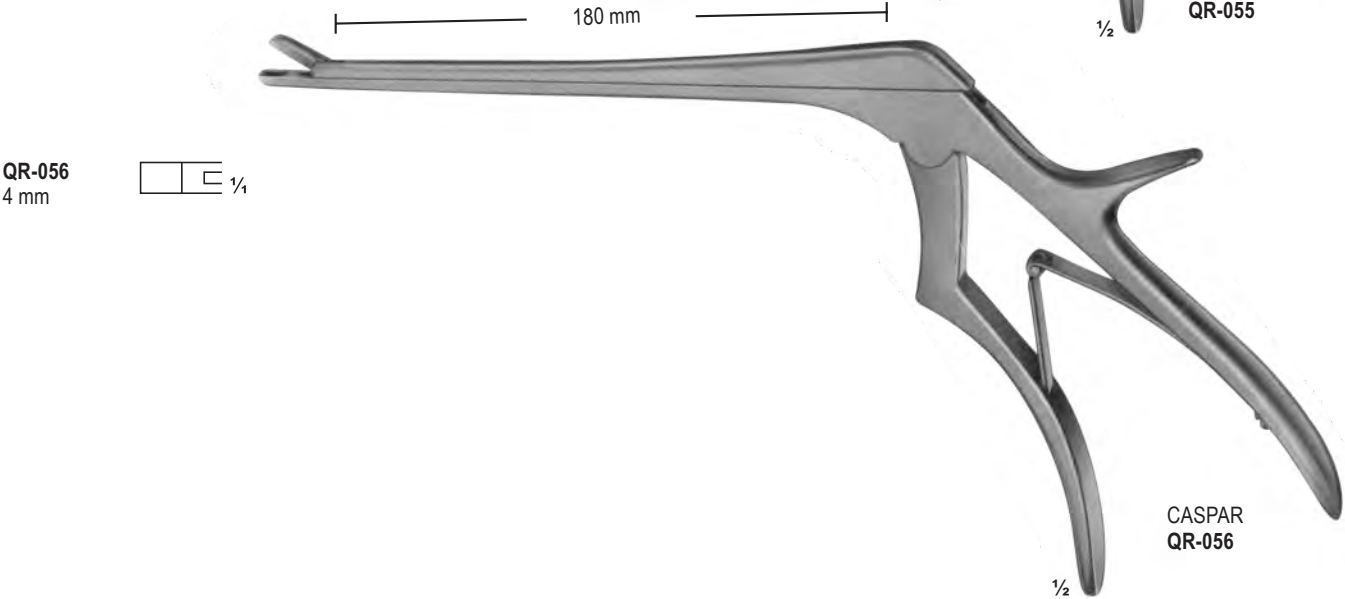
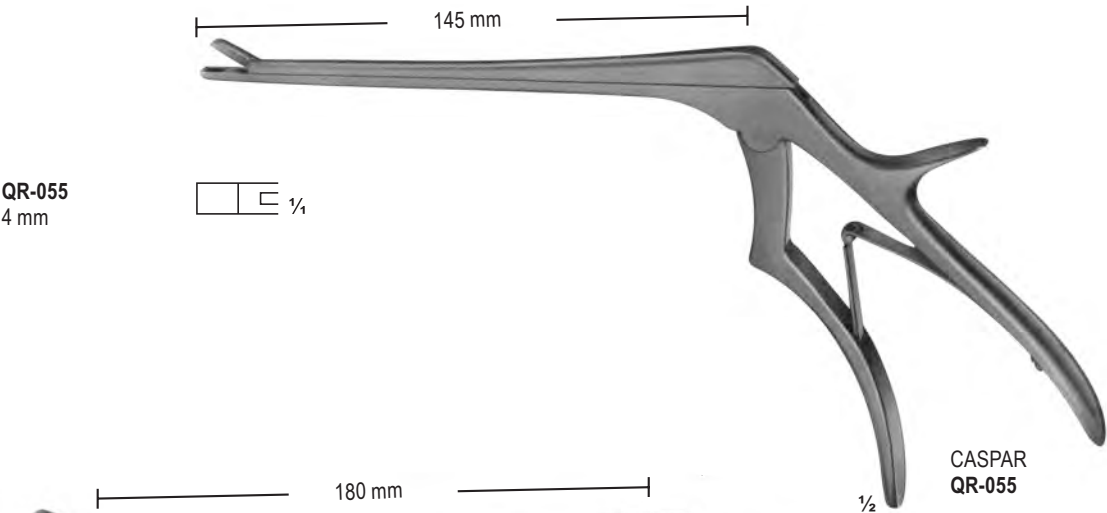


QR-053
3.3 mm



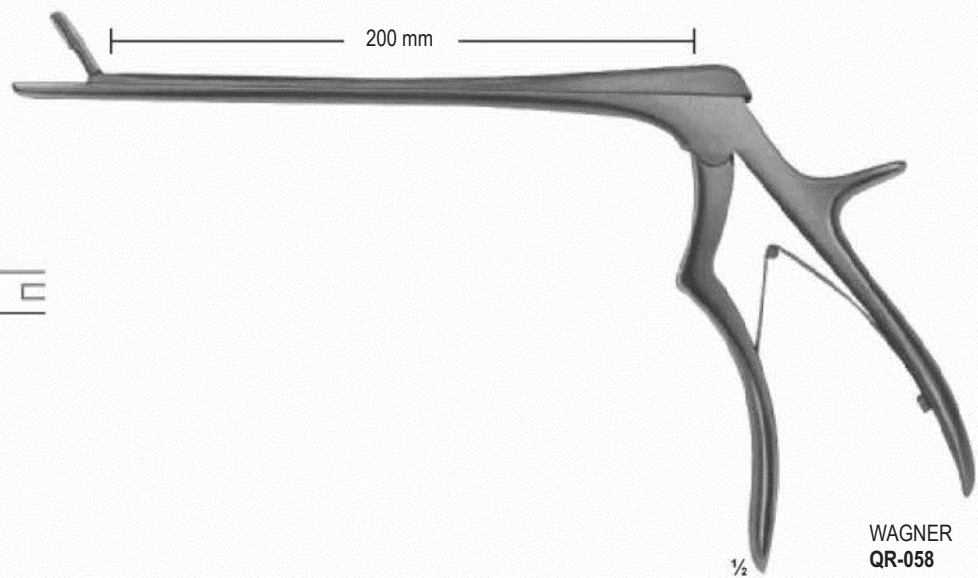
QR-054
4 mm





PUNCHES

QR-058
5.5 mm





QR-059
CHARRIER
 Length of blade
 215 mm
 complete with one saw
 blade each
 350 mm
 Spare saw blades, carbon steel
QR-060 12 mm
QR-061 20 mm



QR-062
RUST
 Length of blade
 235 mm
 complete with one saw
 blade each
 390 mm
QR-063 Bow only
 Spare saw blades, carbon steel
QR-064 6 mm
QR-065 12 mm
QR-066 20 mm



QR-067
BIER
 Length of blade
 270 mm
 complete with one saw
 blade each
 420 mm
 Spare saw blades, carbon steel
QR-068 4 mm
QR-069 6 mm
QR-070 8 mm



QR-071
CHARRIERE
 Length of blade
 180 mm
 Spare saw blades,
 carbon steel
 270 mm
QR-072
CHARRIERE
 Length of blade
 240 mm
 Spare saw blades,
 carbon steel
 340 mm

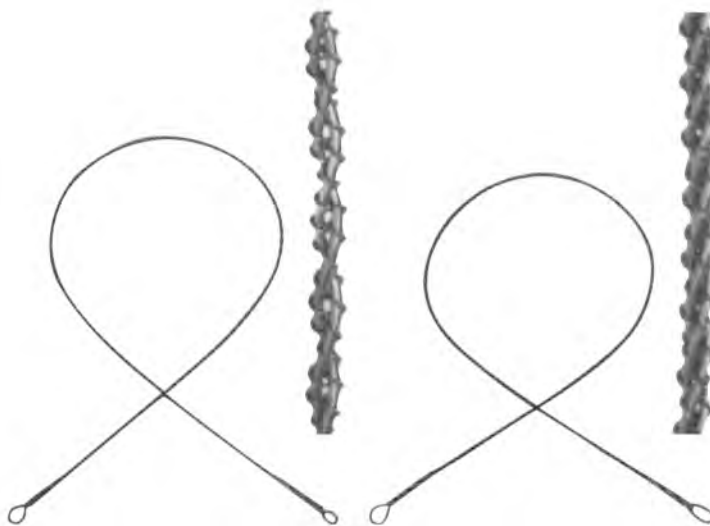


QR-073
SATTERLEE
 Length of blade
 200 mm
 Spare saw blades,
 carbon steel
 290 mm



QR-074
LANGENBECK
 Length of blade
 115 mm
 Metacarpal saw
 235 mm

WIRE SAWS AND CONDUCTOR



OLIVECRONA
QR-075 300 mm
QR-076 400 mm
QR-077 500 mm
QR-078 700 mm

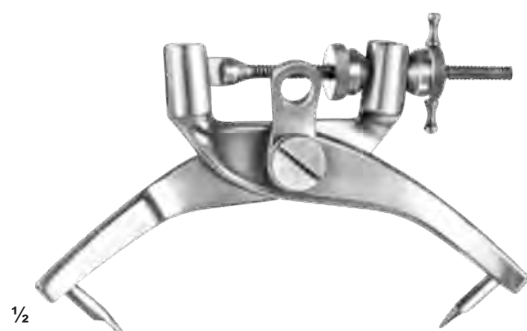
GIGLI
QR-079 300 mm
QR-080 400 mm
QR-081 500 mm
 fine, 6 wires twisted
QR-082
 coarses, 4 wires twisted



QR-083
GIGLI
 Handle



QR-084
LEBSCH
 Conductor for
 wire saws, malleable
 250 mm



CRUTCHFIELD
QR-085
Small Pattern



CRUTCHFIELD
QR-086
Medium Pattern



QR-087
Large Pattern
and Spare Pin



QR-088
70 mm
Drill Point



QR-089
70 mm
Drill Point



CRANIAL RONGEURS



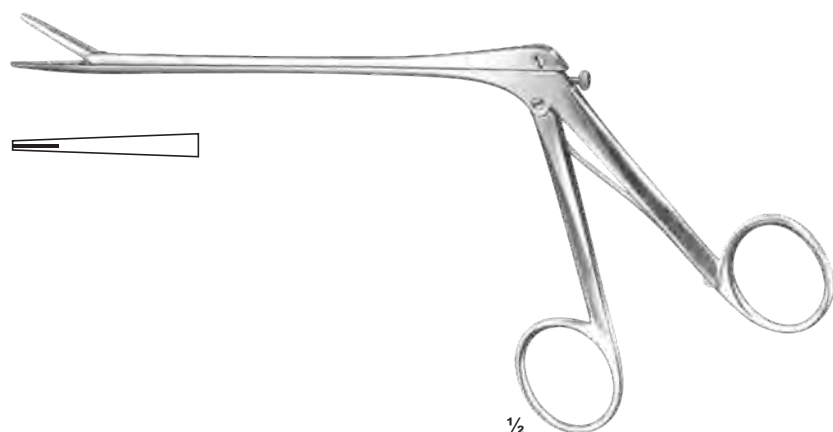
1/2
DAHLGREN
QR-090
195 mm



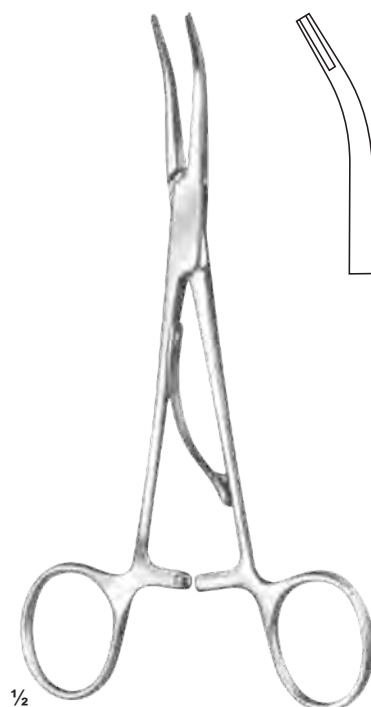
1/2
DE VILBISS
QR-091
210 mm



1/2
CONE
QR-092
225 mm
Cranial Punch



OLIVECRONA-TOENNIS
QR-093
Clip Applying Forceps



MCKENZIE
QR-094
185 mm
Clip Applying Forceps



KÖLNER
QR-095
Scalp Clip



RANEY
QR-096
Scalp Clip



RANEY
QR-097
155 mm
Applying/Removal
Forceps

BONE HAND DRILLS



STILLE
QR-098 - 109
complete
20 cm



QR-098
2.5 mm



QR-099
3.0 mm



QR-100
3.5 mm



QR-101
4.0 mm



QR-102
10.0 mm



QR-103
5.0 mm



QR-104
8.0 mm



QR-105
12.0 mm



QR-106
16.0 mm



QR-107
1.0 mm



QR-108
1.5 mm



QR-109
2.0 mm



STILLE-SHERMAN
QR-110 - 112
complete
24 cm



QR-110
2.5 mm



QR-111
3.0 mm



QR-112
3.5 mm



MOORE
QR-113
complete
28 cm



Set of 3



Brace

HUDSON
QR-114 - 123
Complete Set
27 cm



QR-114
9 mm



QR-115
14 mm



QR-116
16 mm



QR-117
22 mm



QR-118
14 mm



QR-119
Extension
Piece



QR-120
Mckenzie
15 mm



QR-121
Mckenzie
2.0 mm



QR-122
Mckenzie
1.3 mm



QR-123
Derrico
1.6 mm



KIRSCHNER
QR-124
Complete



Telescope Wire
Dill Guide



QR-125
Complete



Telescope Wire
Dill Guide

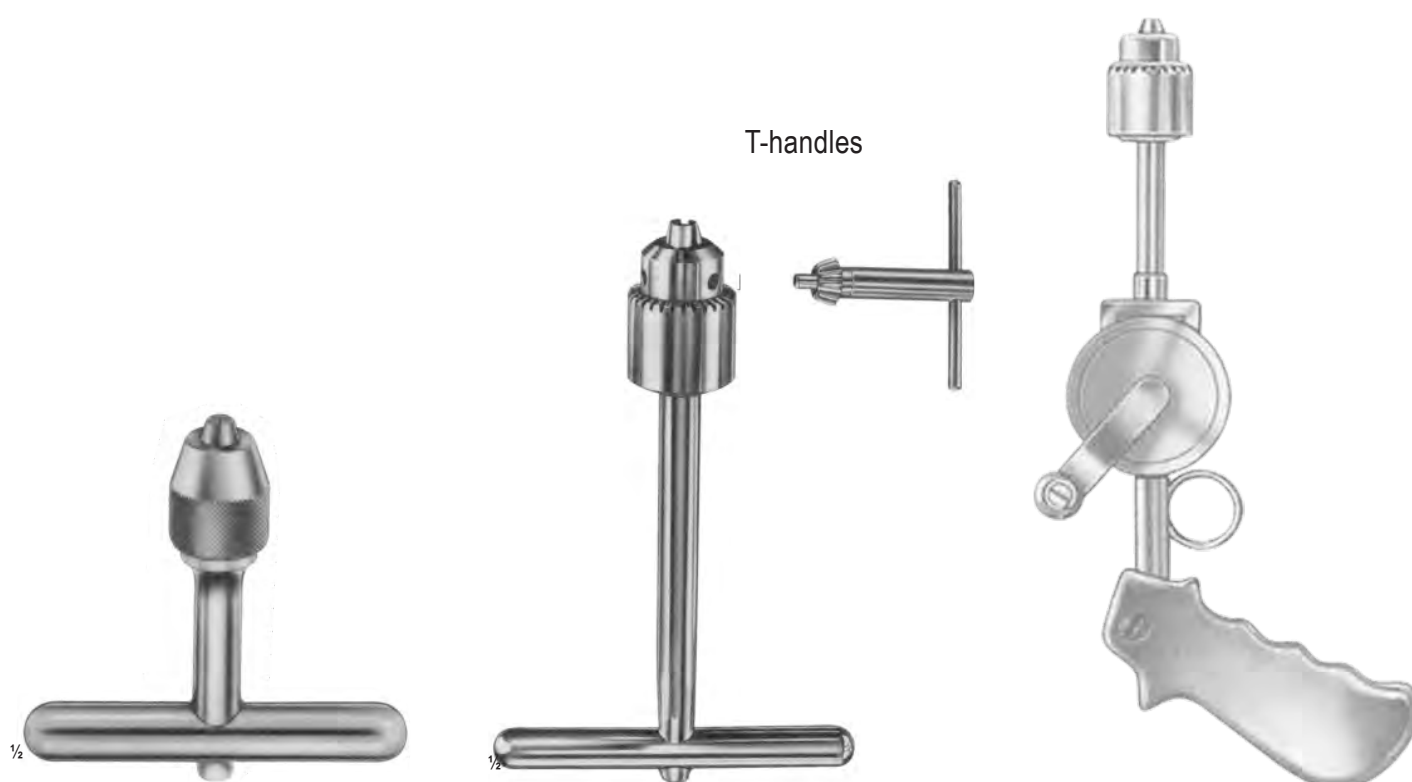
BONE HAND DRILLS



BUNNELL
QR-126



ROLK
QR-127



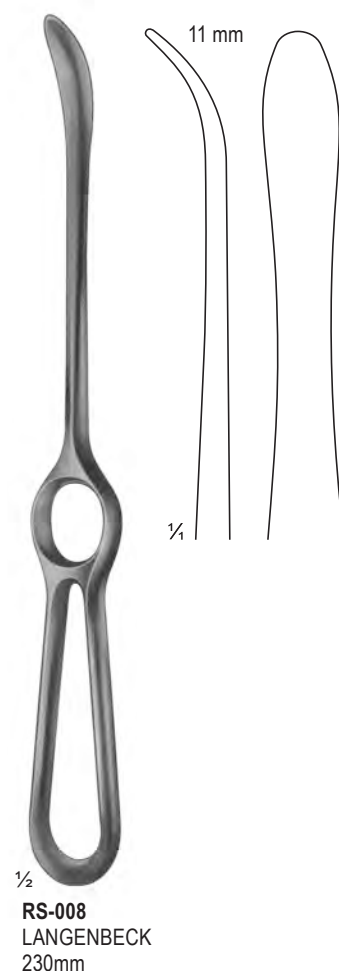
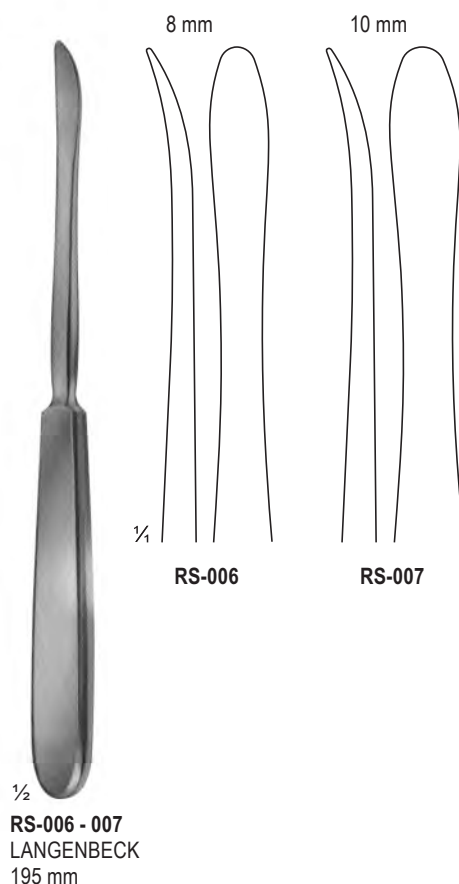
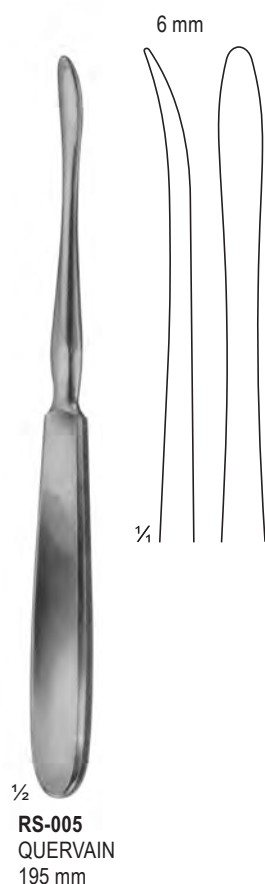
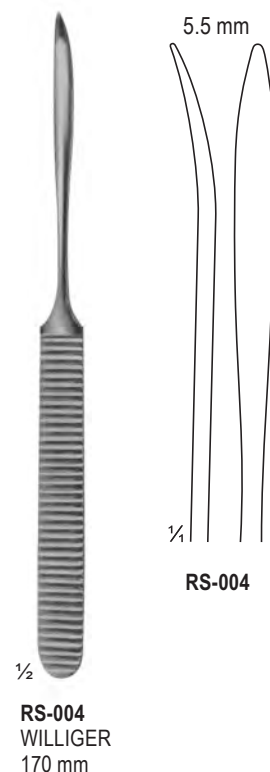
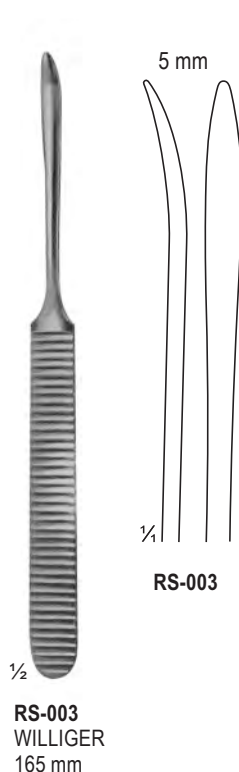
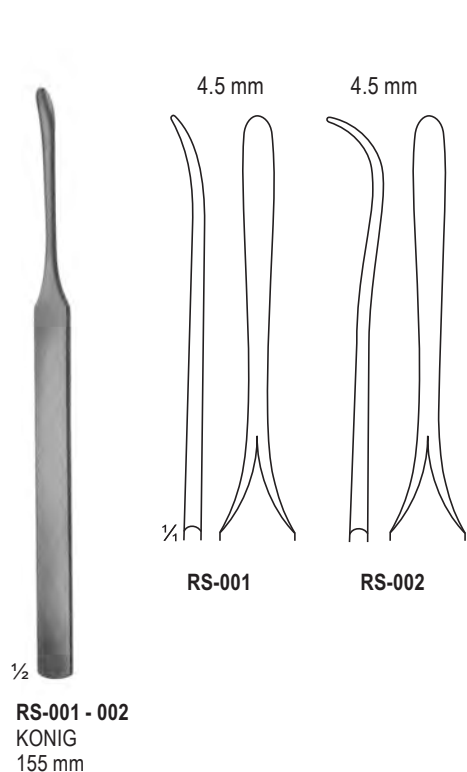
QR-128
Drilling chuck, cannulated,
for shanks up to 6.35 mm diam.,
To be tightened by hand
10 cm

QR-129
Drilling chuck, cannulated,
for shanks up to 6.35 mm diam.,
With key
16 cm

QR-130

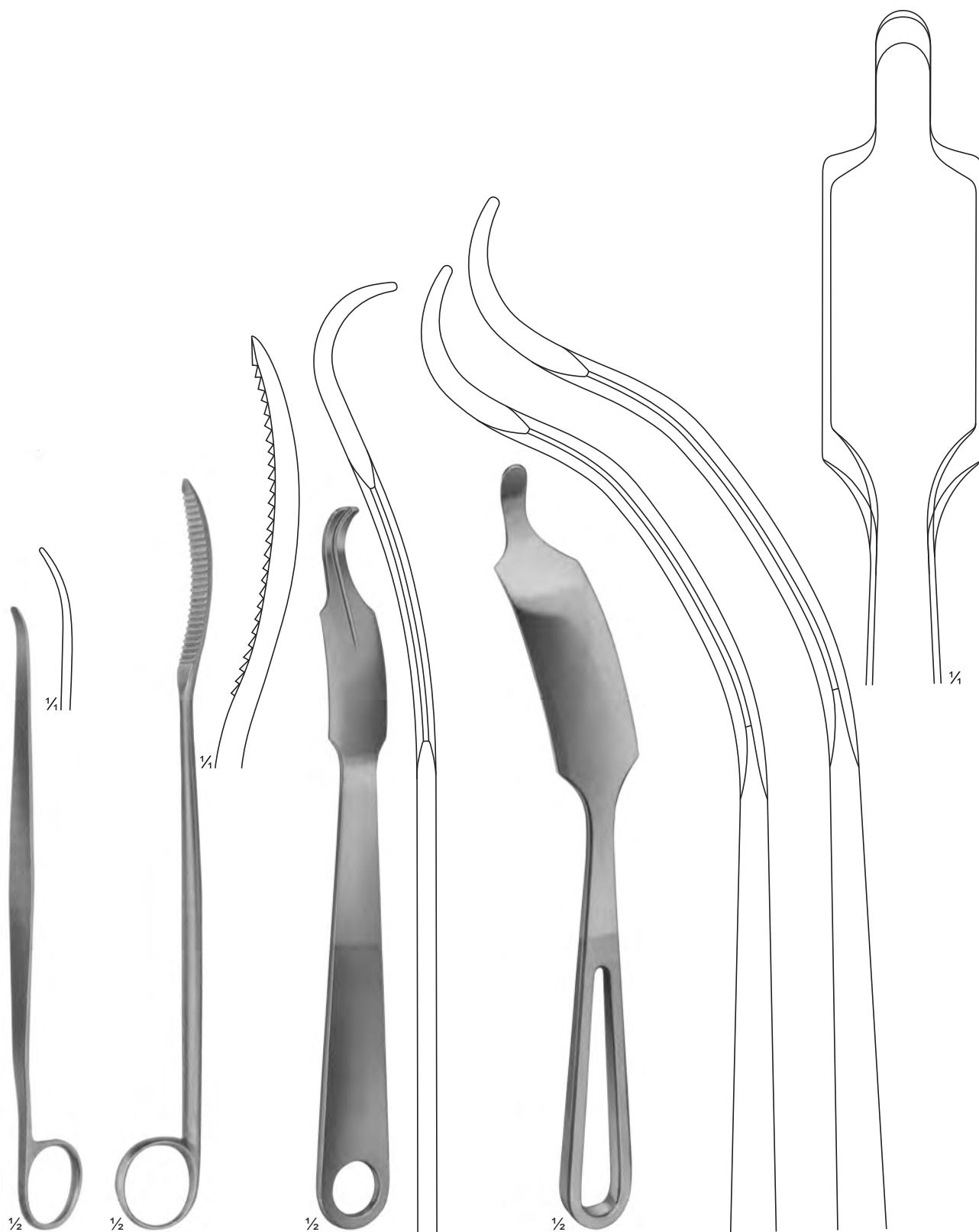
Page 396–422

- Elevators
- Bone Levers
- Raspatories
- Bone Curettes
- Bone Rasps





BONE LEVERS

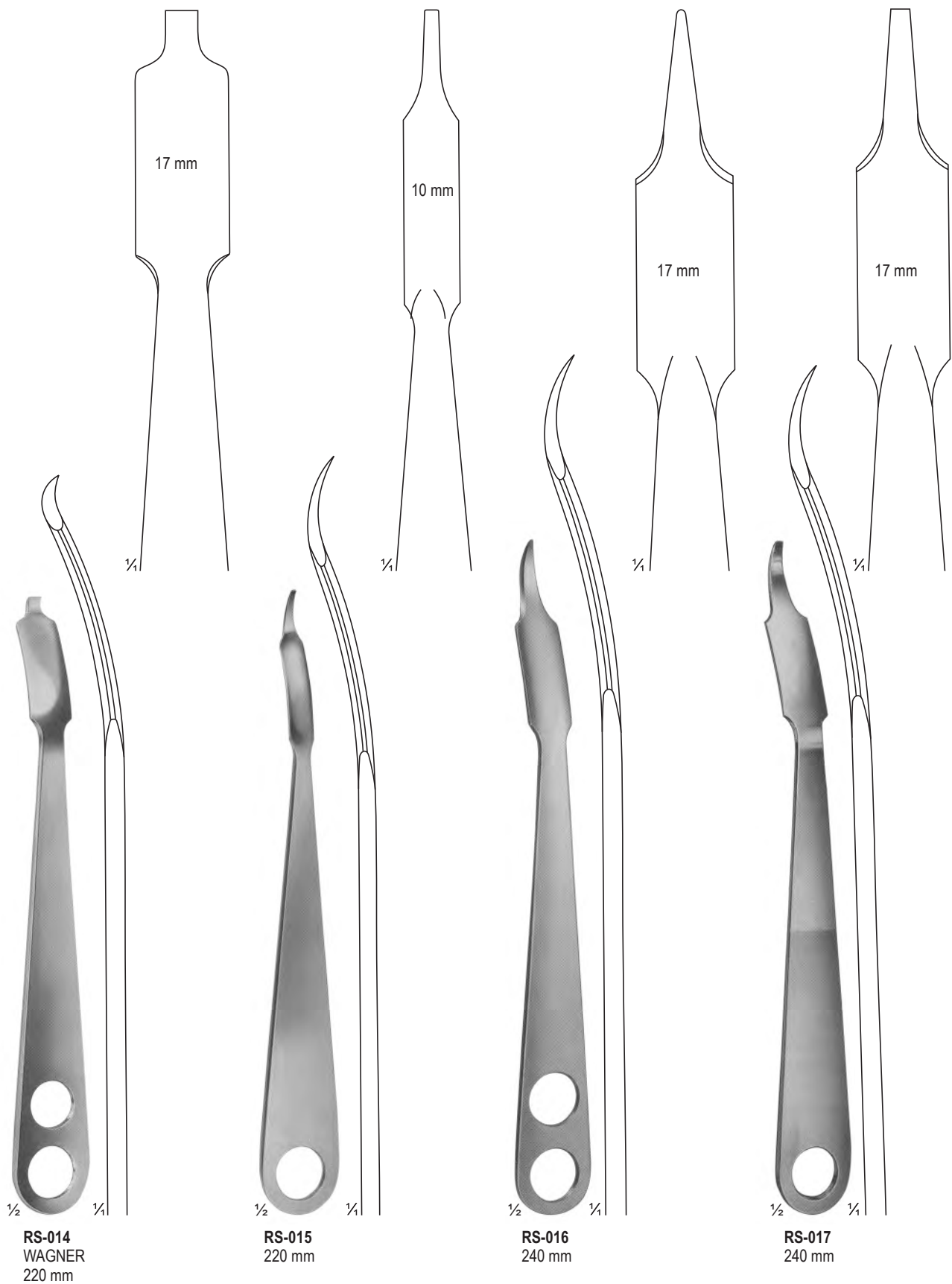


RS-009
LANE
TRETHOWAN
215mm

RS-010
LANE
255mm

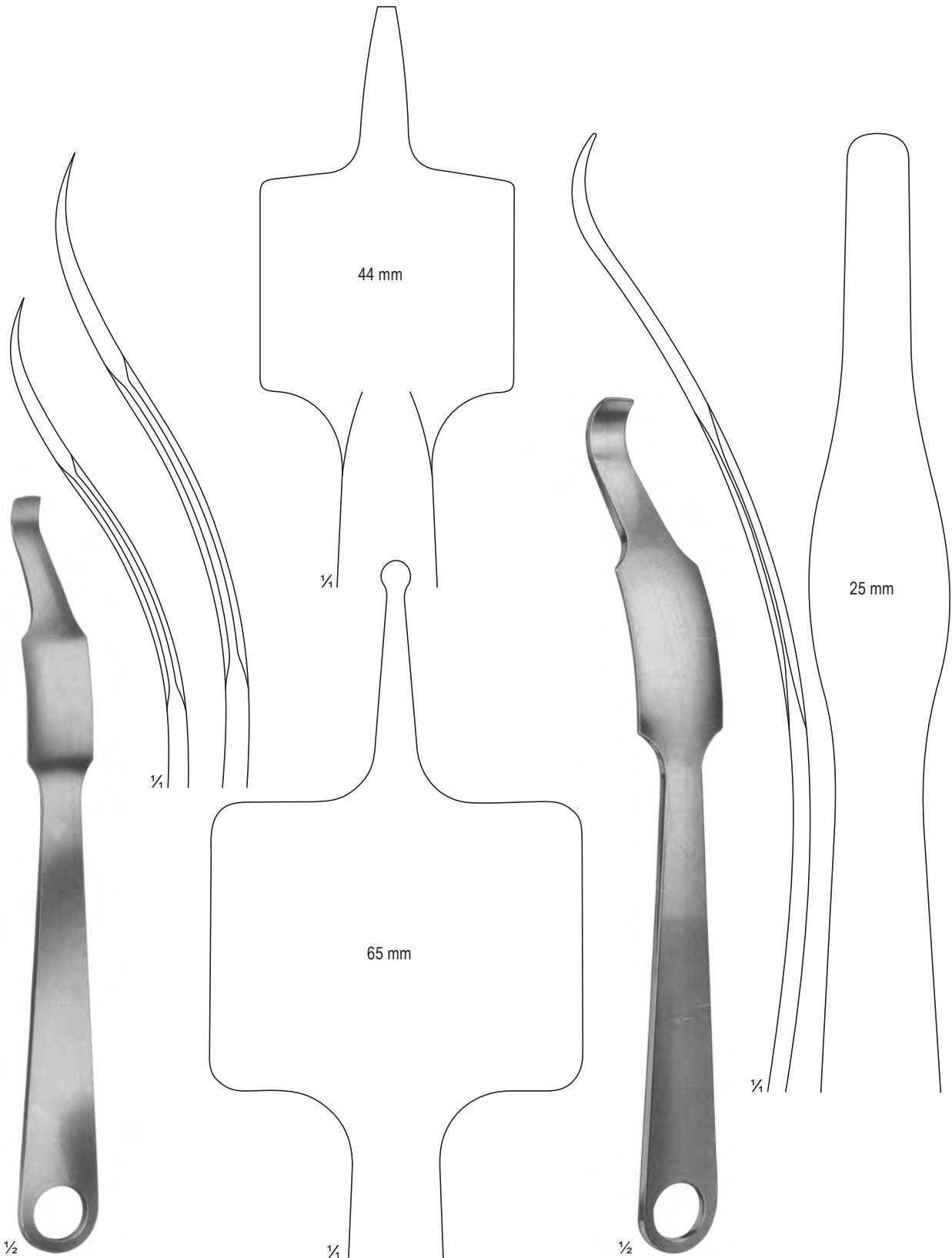
RS-011
LANGE-HOHMANN
250mm

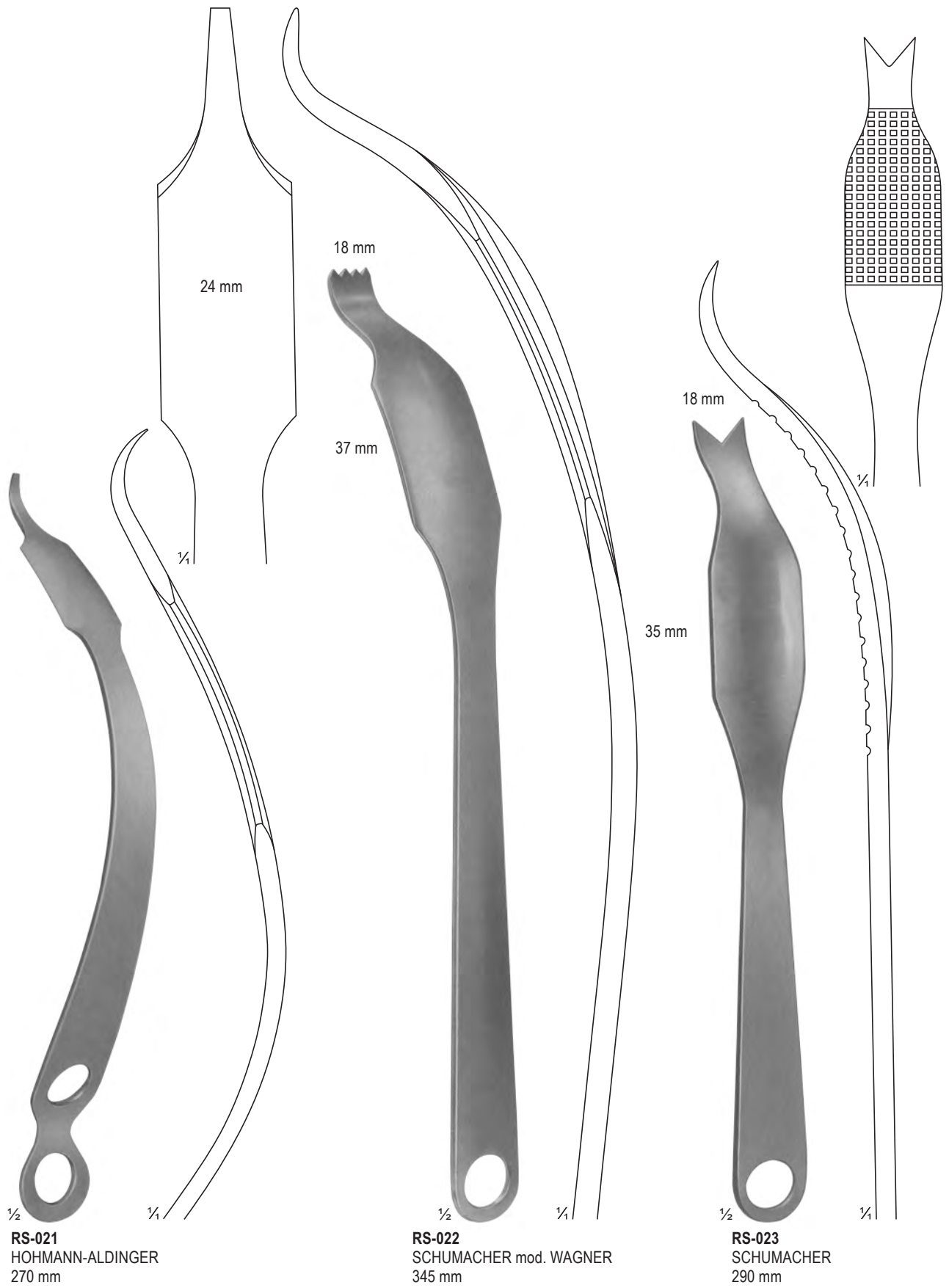
RS-012 - 013
LANGE-HOHMANN
RS-012 265mm
RS-013 280mm



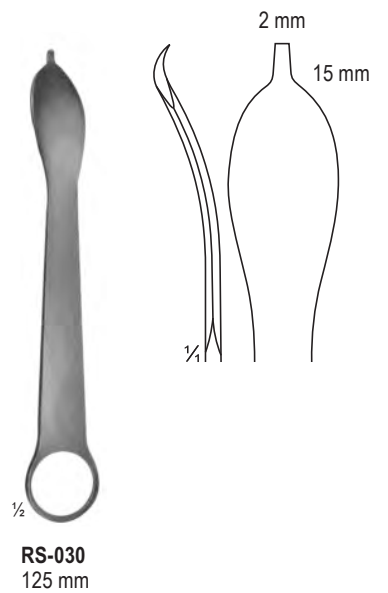
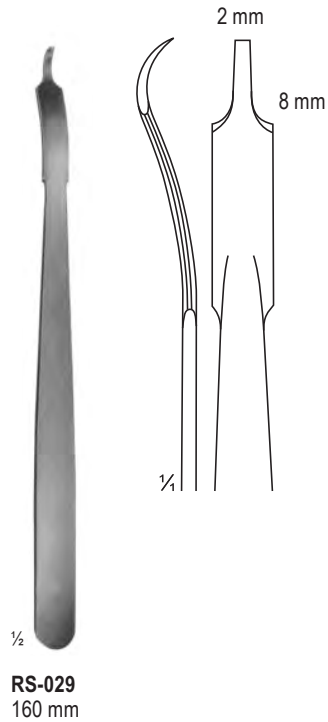
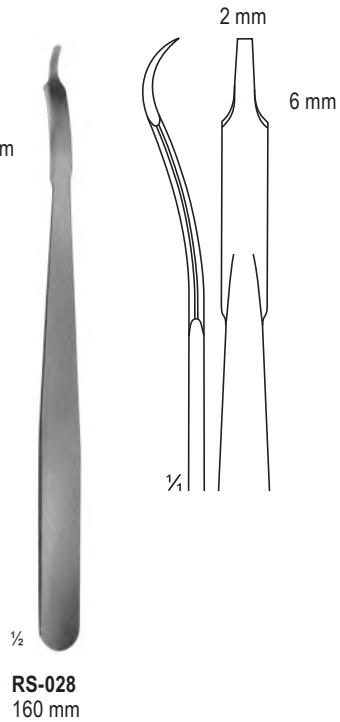
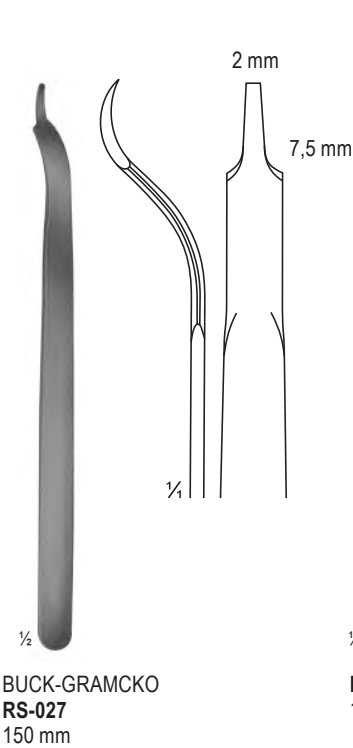
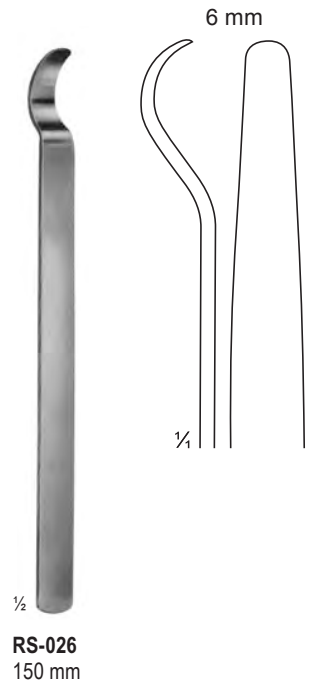
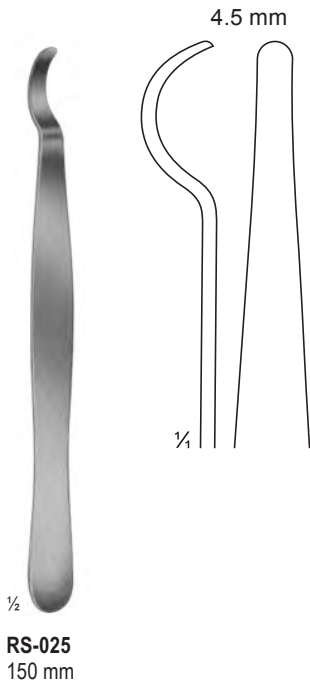
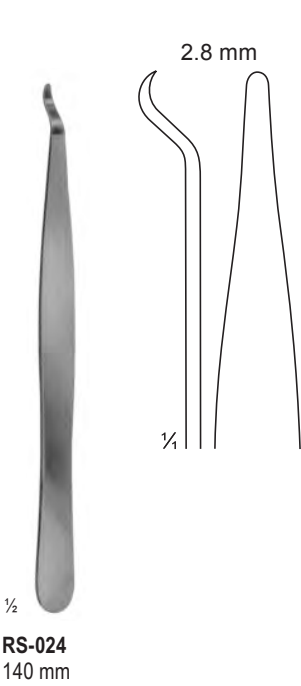


BONE LEVERS



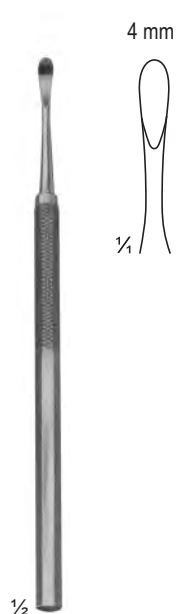


BONE LEVERS

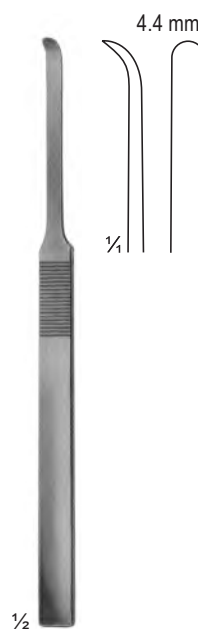




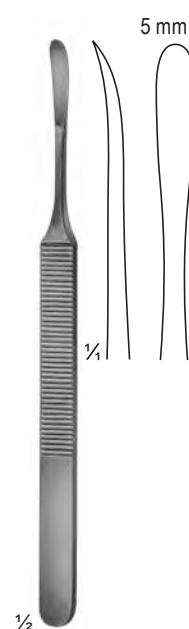
RS-031 - 032
PARTSCH
150 mm



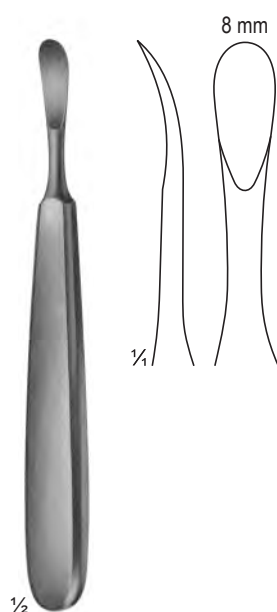
RS-033
PARTSCH mod. LANGE
145 mm



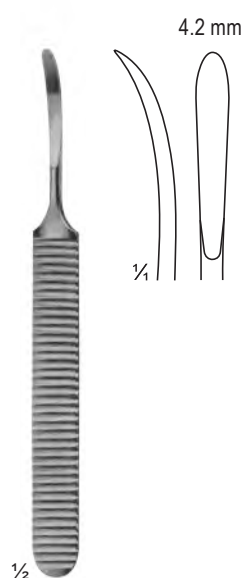
RS-034
MC KENTY
155 mm



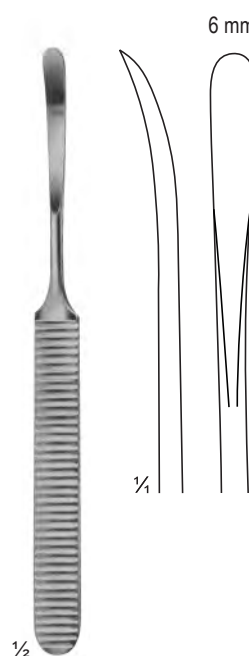
RS-035
KONIG
155 mm



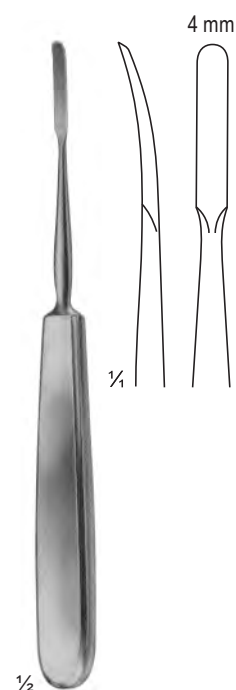
RS-036
TRELAT
150 mm



RS-037
WILLIGER
140 mm

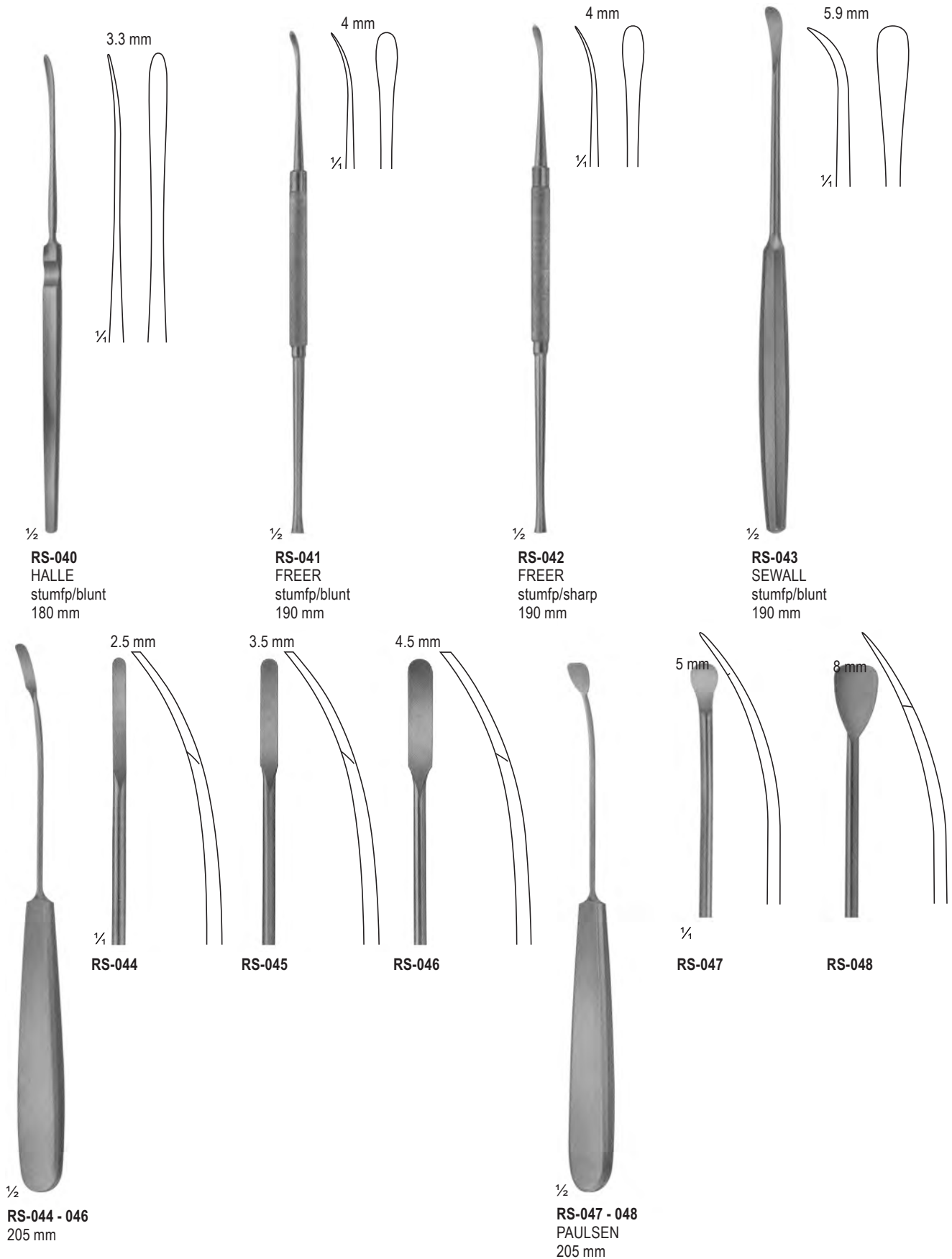


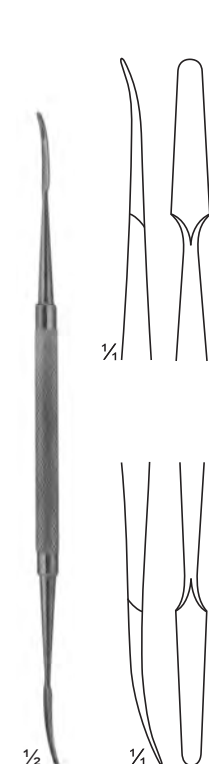
RS-038
WILLIGER
160 mm



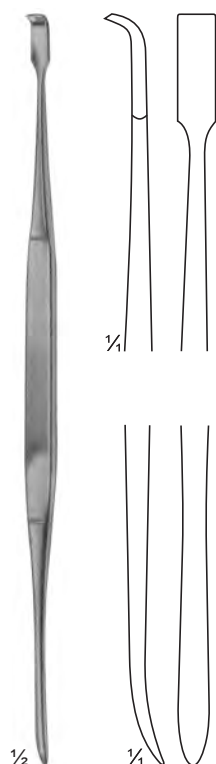
RS-039
JOSEPH
170 mm

RASPATORIES

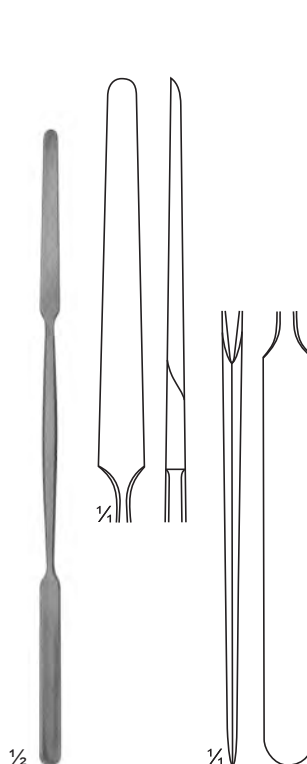




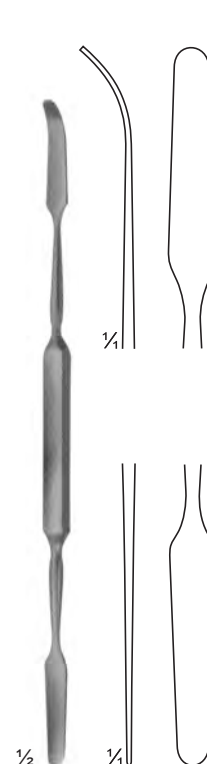
RS-049
KILLIAN
sharp/blunt
185 mm



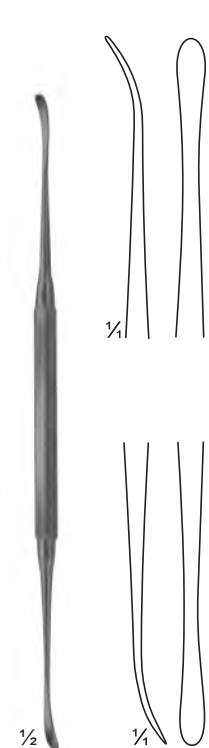
RS-050
HOWARTH
sharp/blunt
215 mm



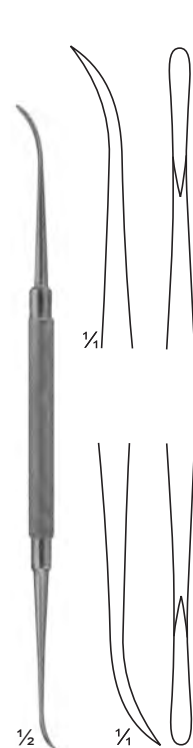
RS-051
KILLIAN
sharp/blunt
185 mm



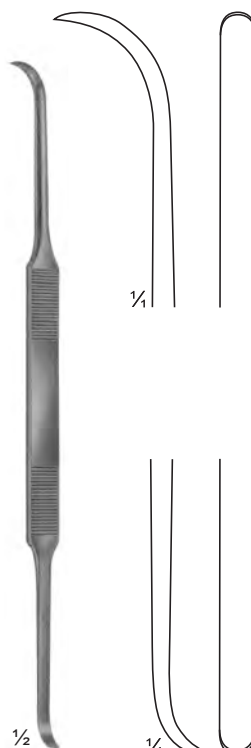
RS-052
MAC DONALD
blunt/blunt
185 mm



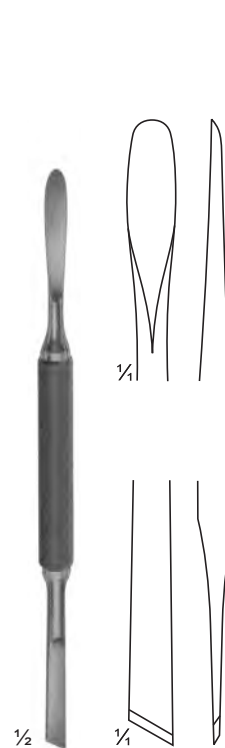
RS-053
FREER
sharp/blunt
185 mm



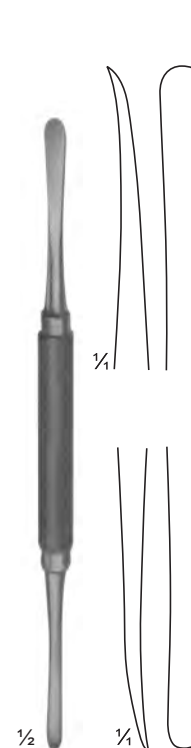
RS-054
FREER-YASARGIL
sharp/sharp
185 mm



RS-055
COTTLE
sharp/sharp
200 mm



RS-056
MEAD
sharp/sharp
165 mm



RS-057
MOLT
sharp/sharp
180 mm

RASPATORIES



RS-058 - 071
MANNERFET
155 mm



RS-058
4 mm



RS-059
7 mm



RS-060
9 mm



1/4



RS-061
3 mm



RS-062
6 mm



RS-063
6 mm



RS-066
4 mm



RS-069
4 mm
90°



RS-064
6 mm



RS-067
5 mm



RS-070
6 mm
90°



RS-065
8 mm



RS-068
6 mm



RS-071
3,5 mm
45°

6 mm

8 mm



RS-072



RS-073

8 mm



RS-074



RS-075



RS-076



RS-077



1/2

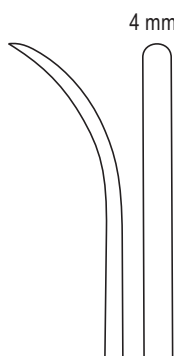
RS-072 - 073
165 mm

1/2

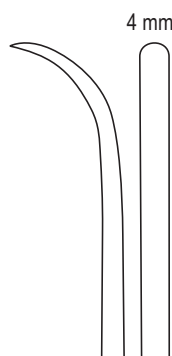
RS-074 - 077
ADSON
170 mm



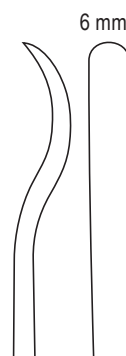
RS-078



RS-079



RS-080



RS-081

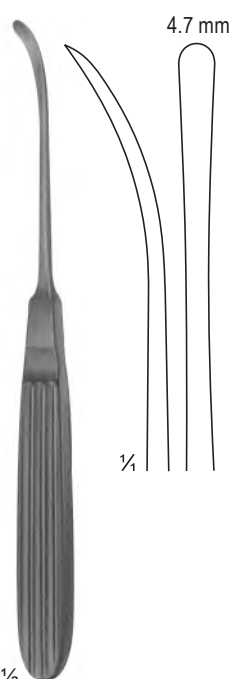
1/2

RS-078 - 081
MUHLING
170 mm



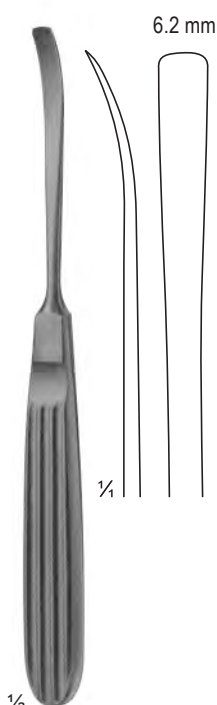
1/2

RS-082
COTTLE
175 mm



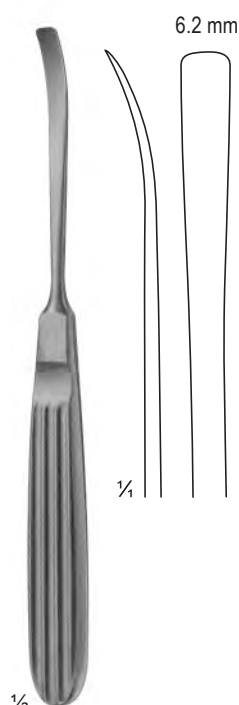
1/2

RS-083
LANDOT
175 mm



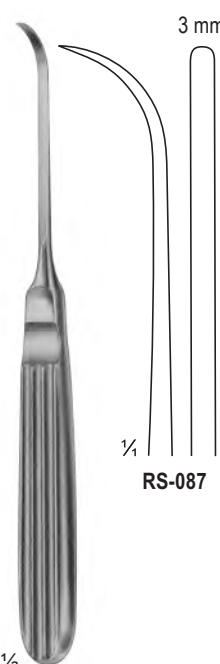
1/2

RS-084
CASPER
180 mm



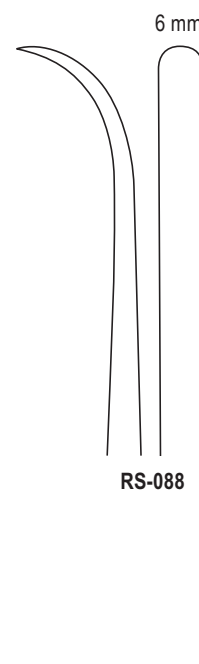
1/2

RS-085
CASPER
180 mm



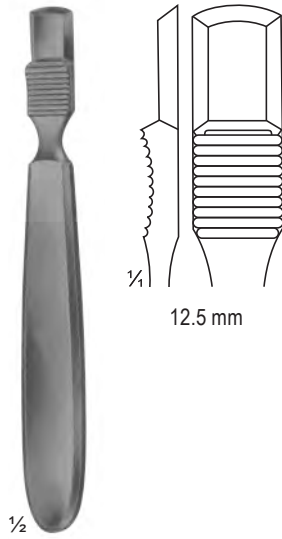
1/2

RS-086 - 088
170 mm

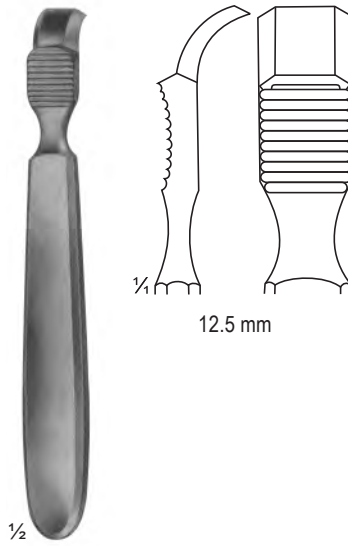


RS-088

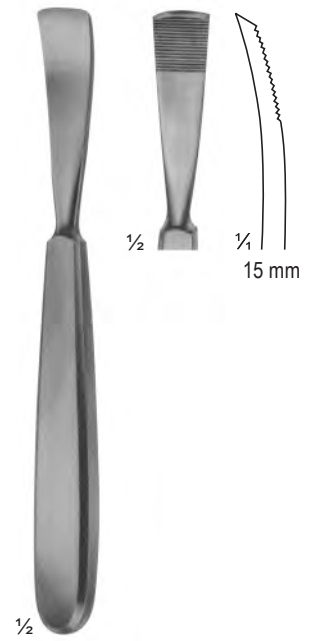
RASPATORIES



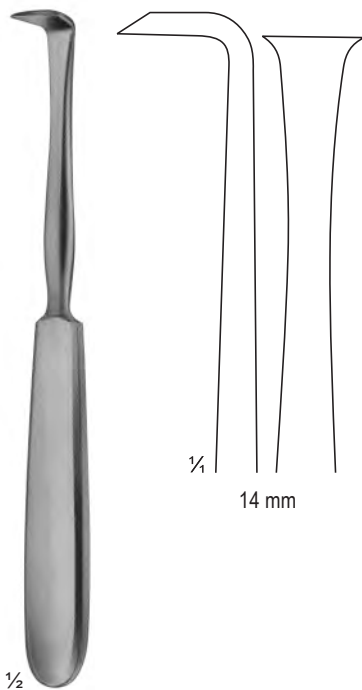
RS-089
FARABEUF
140 mm



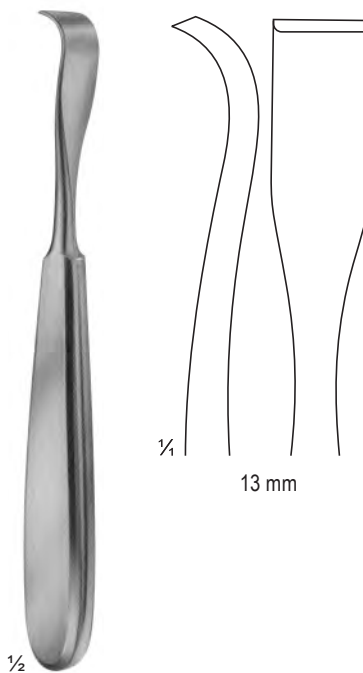
RS-090
FARABEUF
140 mm



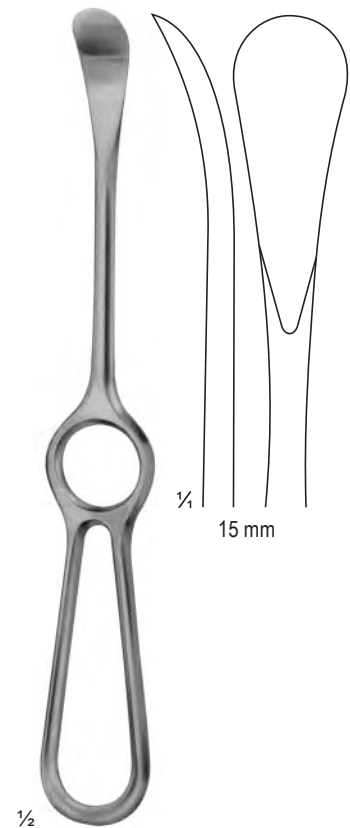
RS-091
JANSEN
165 mm



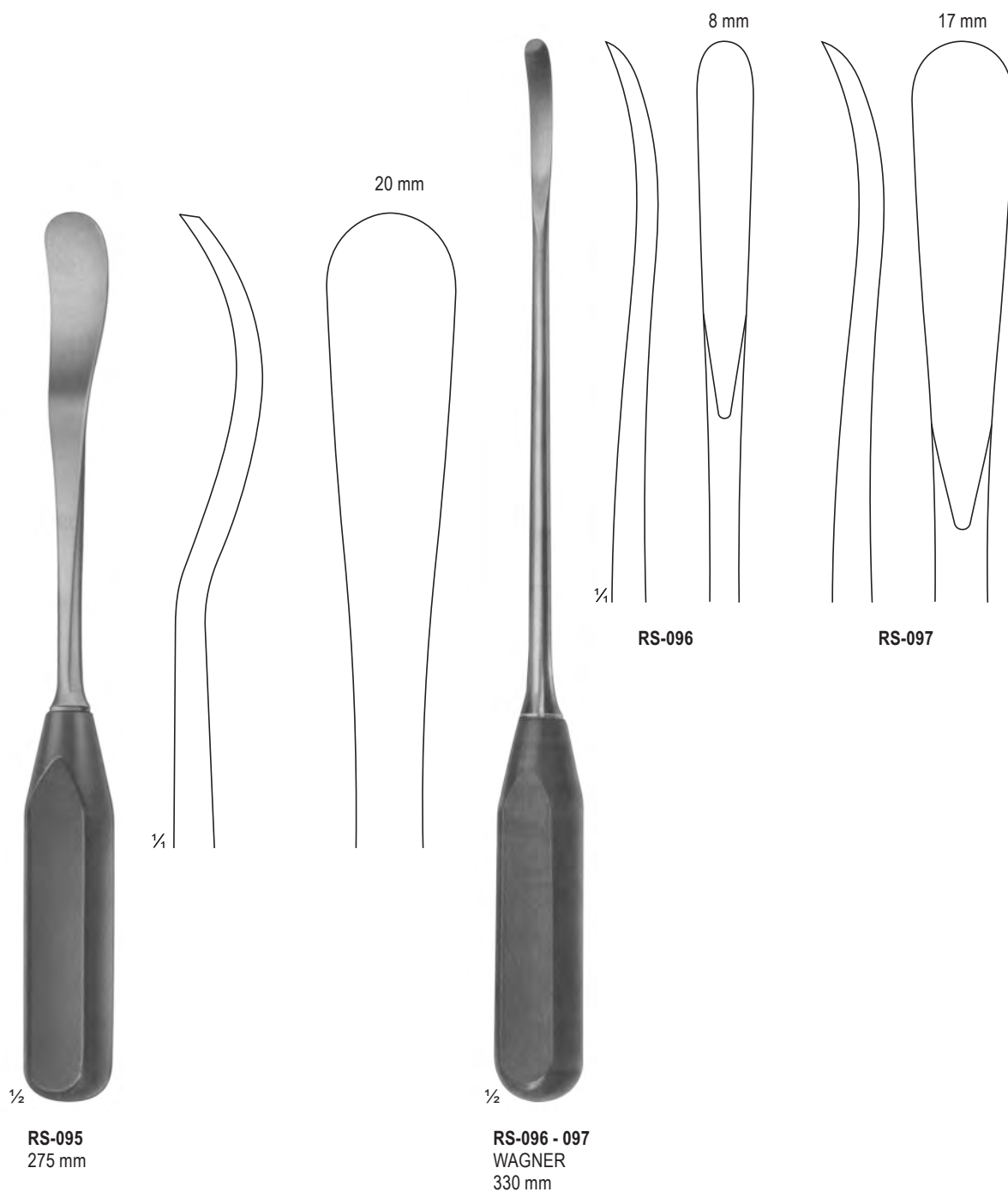
RS-092
LANGENBECK
180 mm



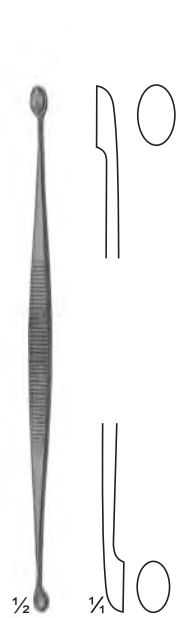
RS-093
SCHNEIDER
175 mm



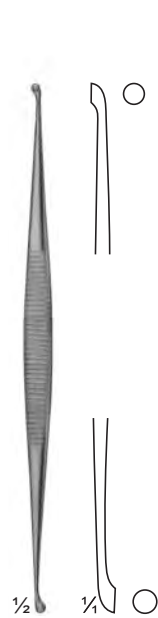
RS-094
SEDILLOT
215 mm



BONE CURETTES



RS-098
JACOBSON
140 mm



RS-099
MARTINI
140 mm



RS-100
MARTINI
140 mm



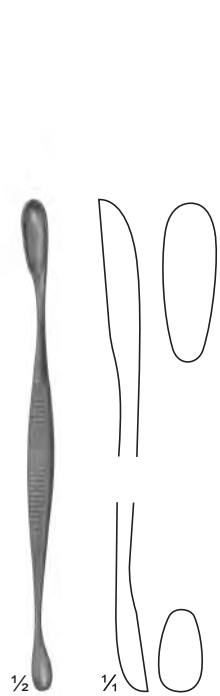
RS-101
WILLIGER
145 mm



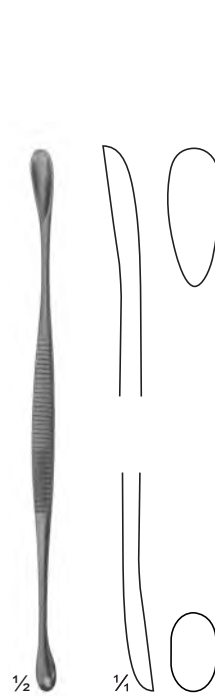
RS-102
JANSEN
160 mm



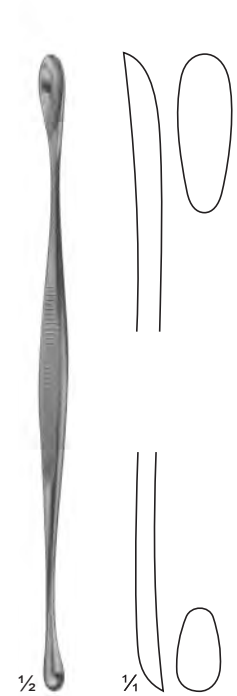
RS-103
BARTH
180 mm



RS-104
VOLKMANN
130 mm



RS-105
VOLKMANN
145 mm



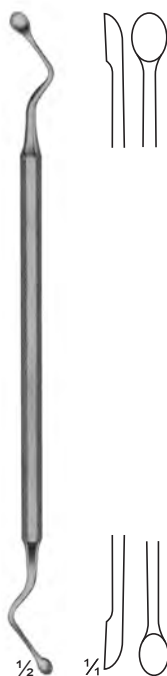
RS-106
VOLKMANN
170 mm



RS-107
JANSEN
160 mm



RS-108
HEMINGWAY
170 mm



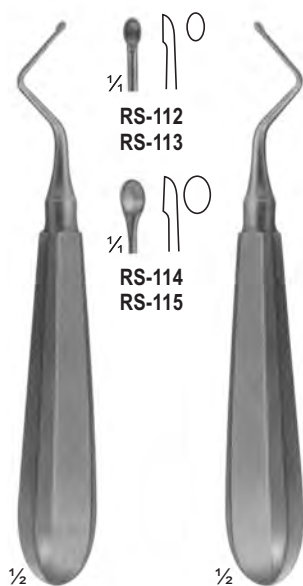
RS-109
HEMINGWAY
175 mm



RS-110
LUCAS
180 mm

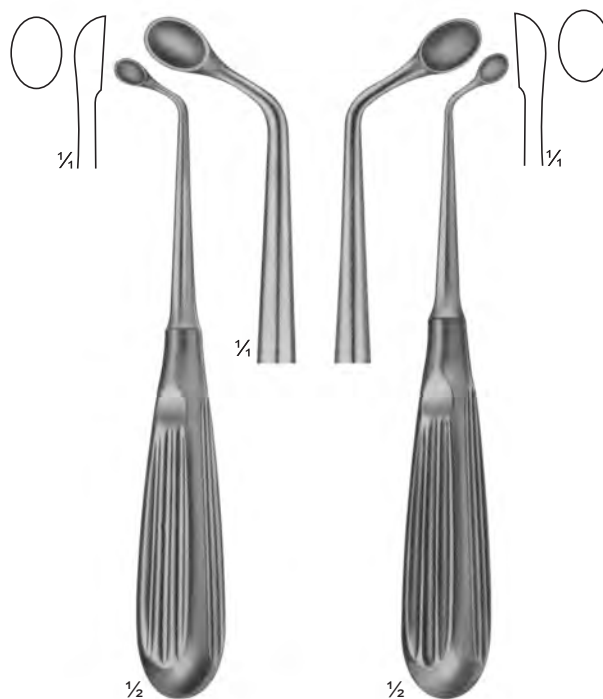


RS-111
LUCAS
185 mm



RS-112 - 113
KERPEL
145 mm

RS-114 - 115
KERPEL
145 mm



RS-116
UFFENORDE
170 mm

RS-117
UFFENORDE
170 mm

BONE CURETTES



RS-118 - 124
BRUNS
165 mm



RS-118
3 mm
Fig: 000



RS-119
4 mm
00



RS-120
5 mm
0



RS-121
6 mm
Fig: 1



RS-122
8 mm
2



RS-123
10 mm
3



RS-124
12 mm
4



RS-125 - 131
SCHEDE
170 mm



RS-125
2.5 mm
Fig: 000



RS-126
3.4 mm
00



RS-127
4.2 mm
0



RS-128
5.2 mm
Fig: 1



RS-129
6.3 mm
2



RS-130
7.4 mm
3



RS-131
8 mm
4



RS-132 - 141
VOLKMANN
170 mm



RS-132
2,8 mm
Fig: 0000



RS-133
3,6 mm
000



RS-134
4,4 mm
00



RS-135
5,2 mm
0



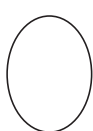
RS-136
6,8 mm
1



RS-137
8,5 mm
Fig: 2



RS-138
10 mm
3



RS-139
11,5 mm
4



RS-140
13 mm
5



RS-141
14,5 mm
6



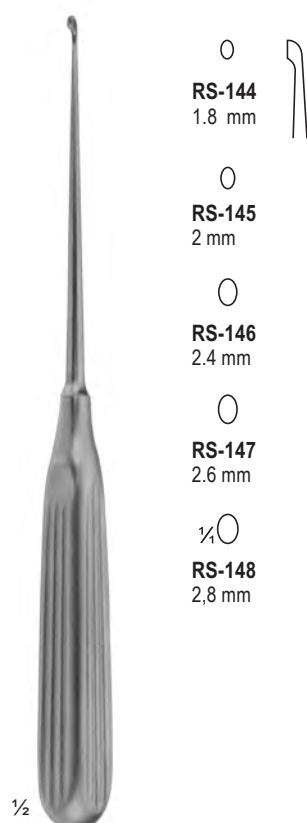
RS-142 - 143
WILLIGER
170 mm



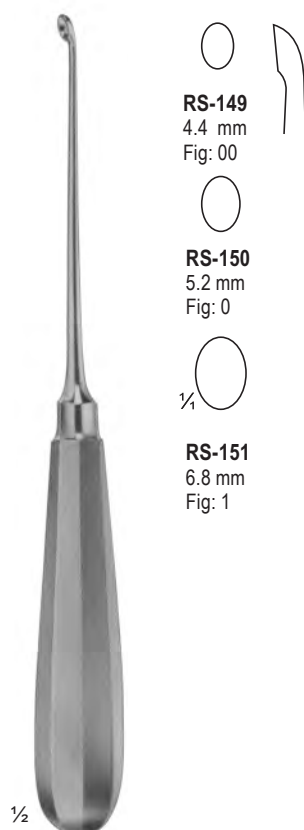
RS-142
3,4 mm
Fig: 00



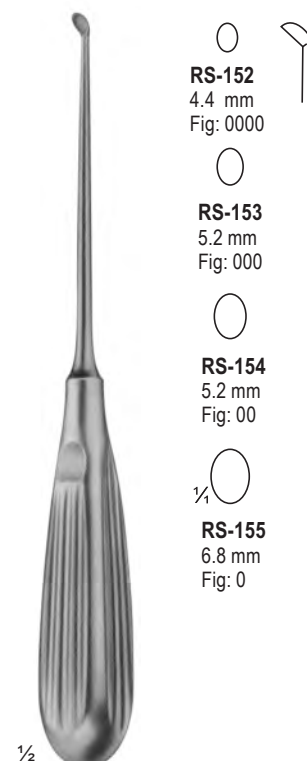
RS-143
5,2 mm
1



RS-144 - 148
LEMPERT
215 mm





RS-149 - 151
HALLE
215 mm



RS-152 - 155
DAUBENSPECK
200 mm

BONE CURETTES



- 
RS-156
3.6 mm
Fig: 000
- 
RS-157
4.4 mm
Fig: 00
- 
RS-158
5.2 mm
Fig: 0
- 
RS-159
6.8 mm
Fig: 1




RS-156 - 159
250 mm



- 
RS-160
3.6 mm
Fig: 000
- 
RS-161
4.4 mm
Fig: 00
- 
RS-162
5.2 mm
Fig: 0
- 
RS-163
6.8 mm
Fig: 1

RS-160 - 163
250 mm



- 
RS-164
3 mm
- 
RS-165
4 mm
- 
RS-166
5 mm

RS-164 - 166
BUSHE
250 mm

$\frac{1}{4}$ O

Fig. 1
RS-167

$\frac{1}{4}$ O

Fig. 1
RS-173

$\frac{1}{4}$ O

Fig. 1
RS-179

O

Fig. 2
RS-168

O

Fig. 2
RS-174

O

Fig. 2
RS-180

O

Fig. 3
RS-169

O

Fig. 3
RS-175

O

Fig. 3
RS-181

O

Fig. 4
RS-170

O

Fig. 4
RS-176

O

Fig. 4
RS-182



O

Fig. 5
RS-171

O

Fig. 5
RS-177

O

Fig. 5
RS-183

O

Fig. 6
RS-172

O

Fig. 6
RS-178

O

Fig. 6
RS-184

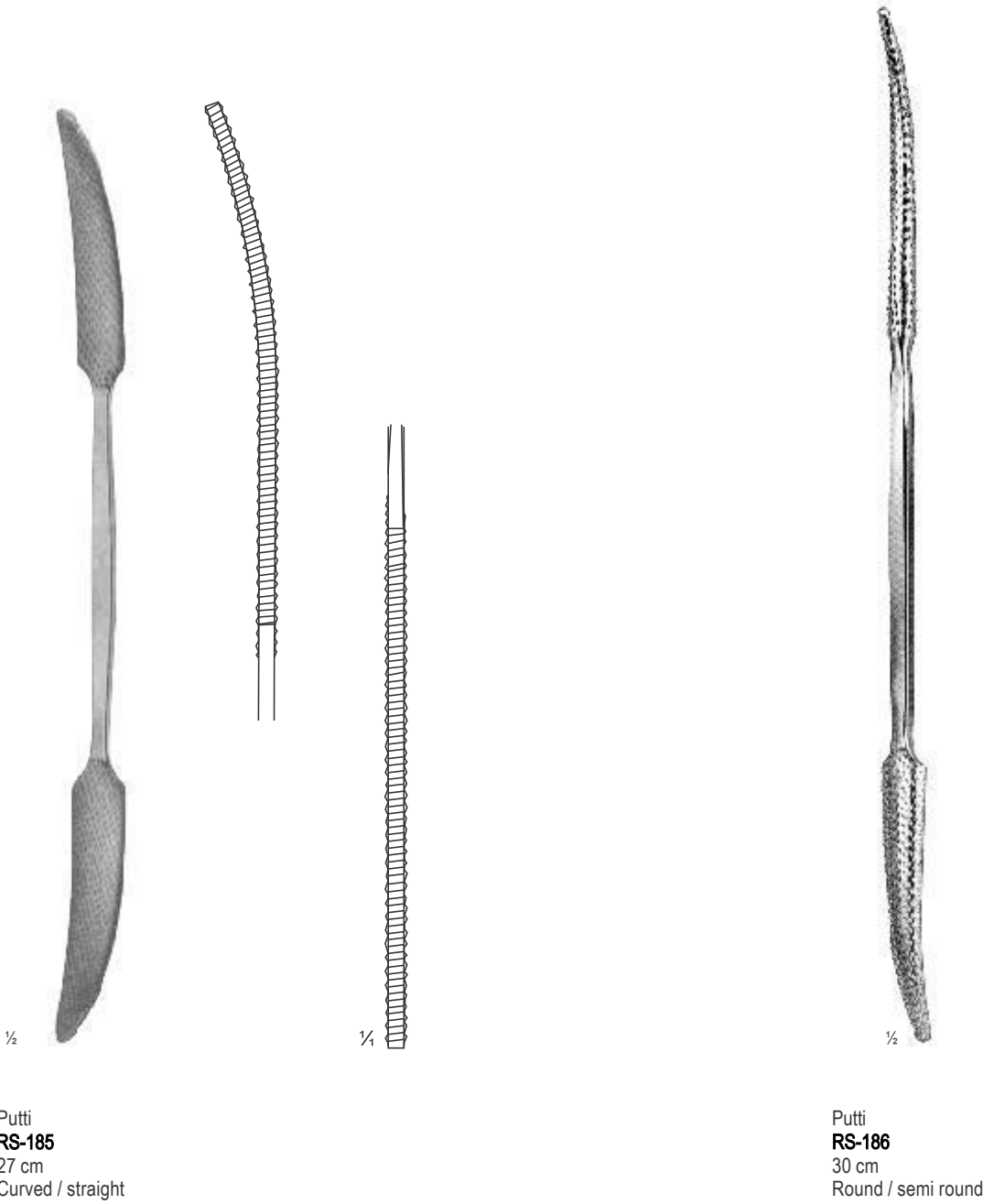


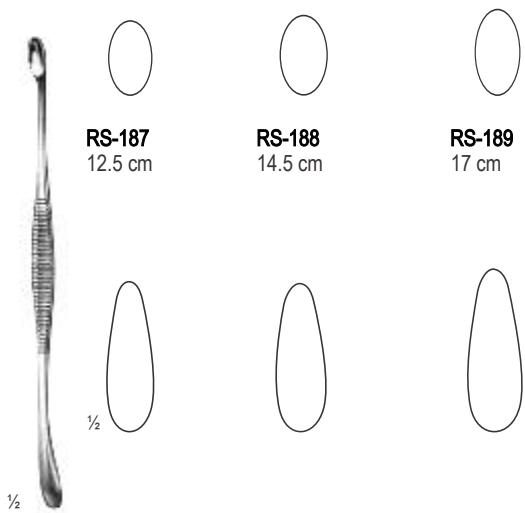
MODELL USA
Oval, With Hollow Handle
RS-167 - 172
165 mm

MODELL USA
Oval, With Hollow Handle
RS-173 - 178
165 mm

MODELL USA
Oval, With Hollow Handle
RS-179 - 184
16 mm

BONE RASPS

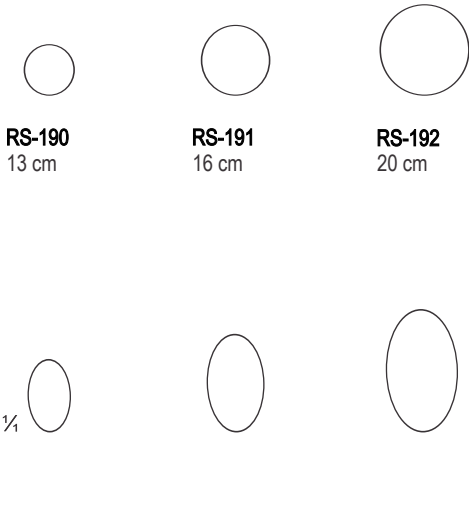




RS-187
12.5 cm

RS-188
14.5 cm

RS-189
17 cm



RS-190
13 cm

RS-191
16 cm

RS-192
20 cm

Volkman
RS-187 - 189
12.5 cm

Volkman
RS-190 - 192
13 cm

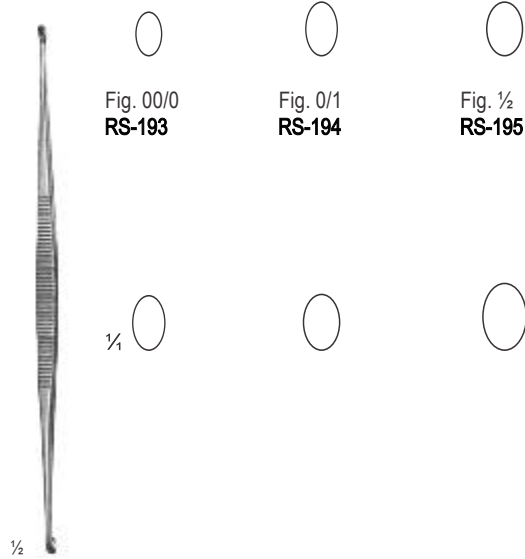


Fig. 00/0
RS-193

Fig. 0/1
RS-194

Fig. 1/2
RS-195

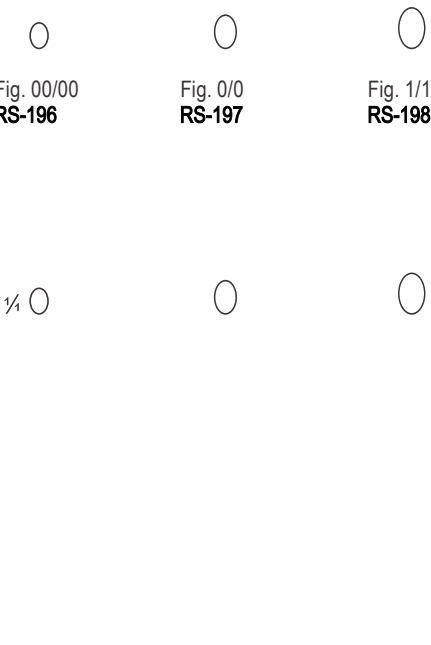


Fig. 00/00
RS-196

Fig. 0/0
RS-197

Fig. 1/1
RS-198

Williger
RS-193 - 195
14 cm

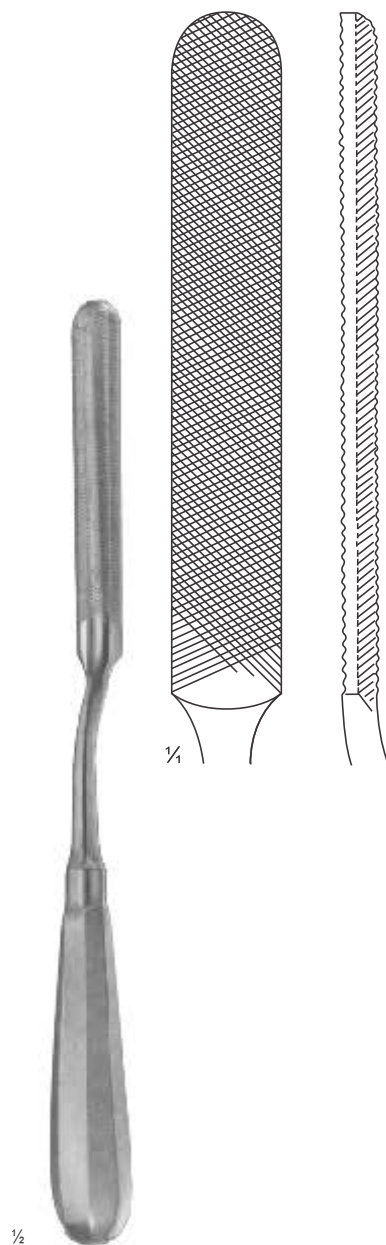
Williger
RS-196 - 198
16.5 cm
Oval

RASPATORIES, ELEVATORS

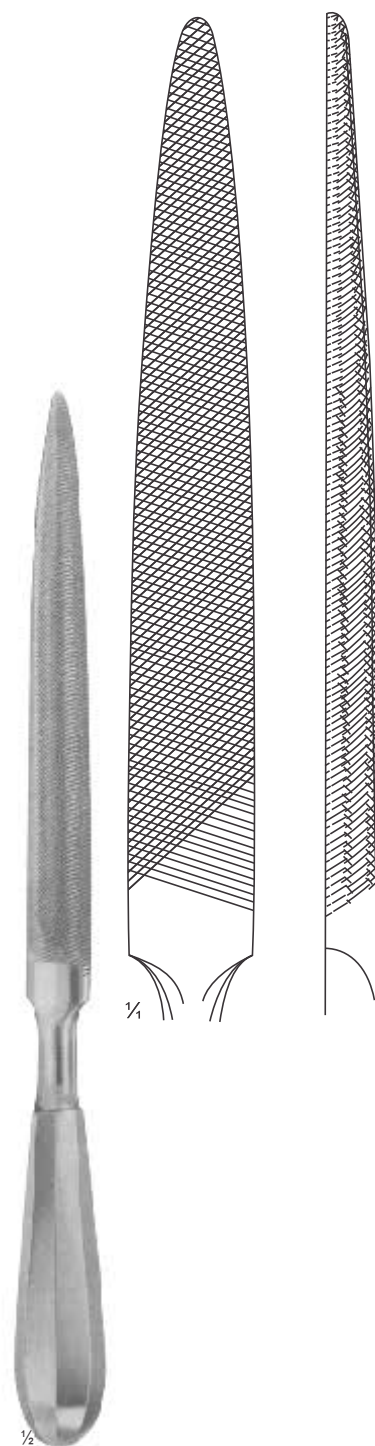




RS-218
22 cm
Flat, solid



RS-219
25 cm
Semi round, with
hollow handle



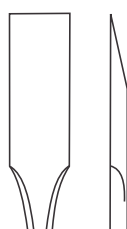
RS-220
28 cm
Semi round,
with hollow handle



ELEVATORS



½
Adson
RS-221 - 224



RS-221
17 cm



RS-222
17.5 cm



RS-223
17.5 cm



RS-224
17 cm



½
Langenbeck
RS-225 - 228
Solid



RS-225
17 cm
5 mm



RS-226
17 cm
7 mm



RS-227
19.5 cm
8 mm



RS-228
19.5 cm
10 mm



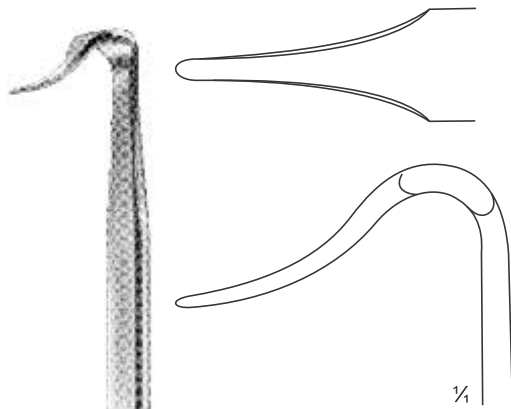
½
Langenbeck
RS-229 - 230



RS-229
19.5 cm
7 mm



RS-230
19.5 cm
10 mm



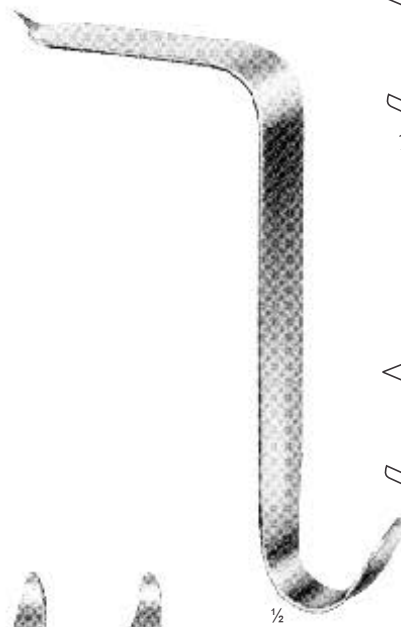
Blount
RS-231
17.5 cm
Knee retractor



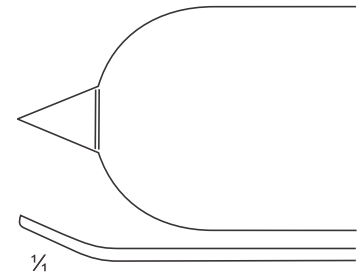
Blount
RS-234
26.5 cm
Blount
39 mm
Knee retractor



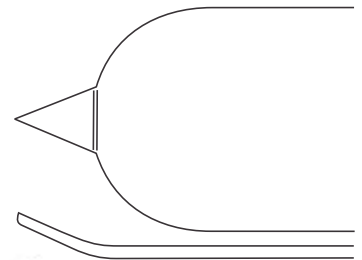
Blount
RS-235
26.5 cm
47mm
Knee retractor



Taylor
RS-232 - 233
16 cm
Spinal retractor



RS-232
16 cm
95 x 30 mm



RS-233
16 cm
115 x 30 mm

BONE LEVERS



Bone Lever
RS-236
Narrow Tip
6 mm



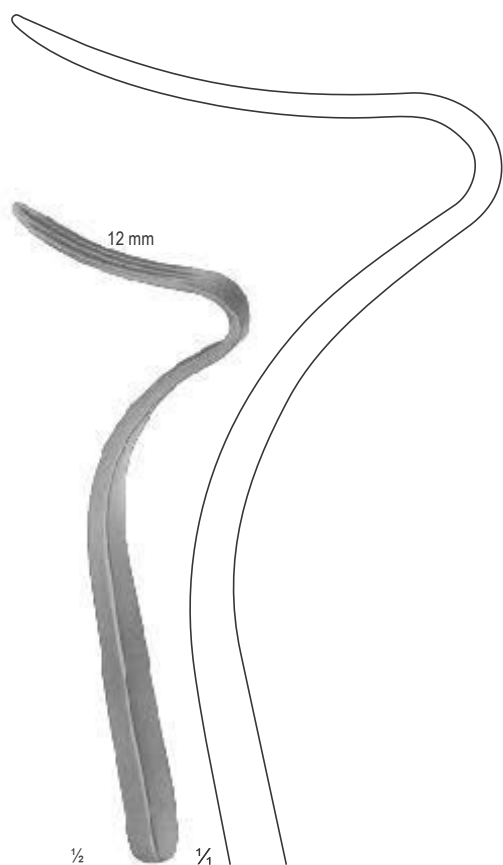
Bone Lever
RS-237
Narrow Tip
8 mm



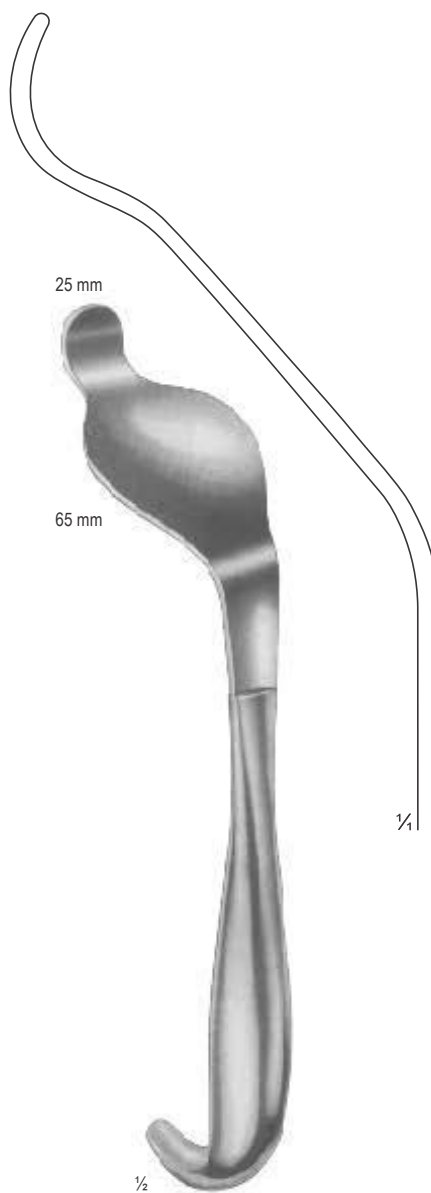
Hohmann
RS-238
Wide round tip 24 mm
Length: 27 cm



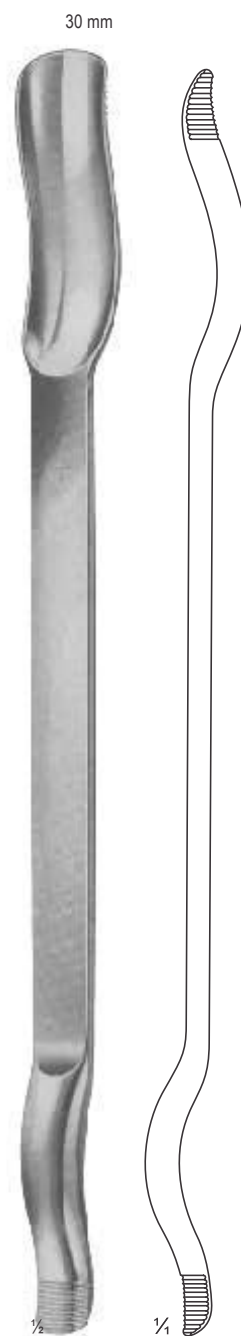
Hohmann
RS-239
Wide tip 22 mm
Length: 25.5 cm



Tager
RS-240
17.5 cm
Bone lever for
angle joint operations



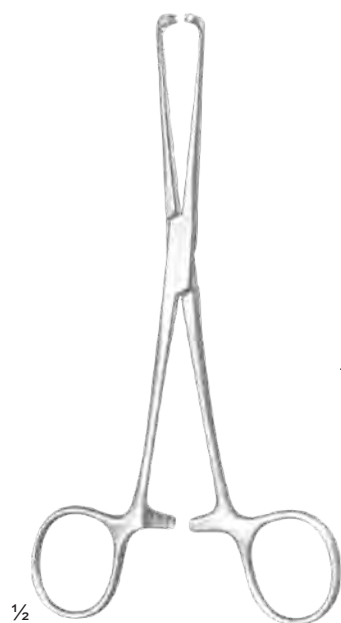
Bennett
RS-241
23.5 cm



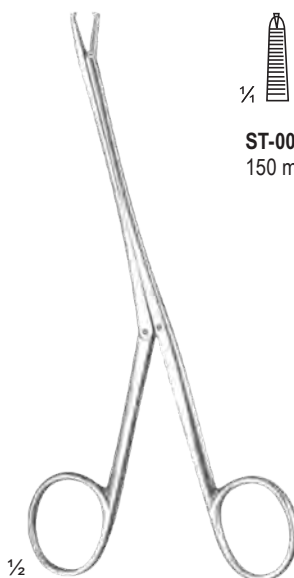
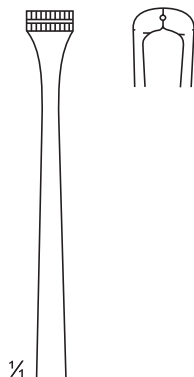
Murphy-Lane
RS-242
34 cm
Luxation lever

Page 423–483

- 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
- Bone Files



STEINMANN
ST-001
160 mm



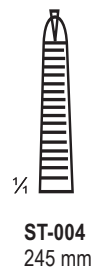
BRAND
ST-002 - ST-004



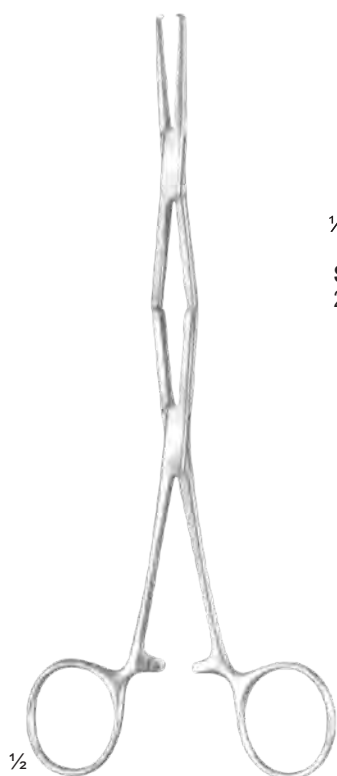
ST-002
150 mm



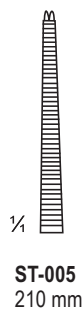
ST-003
190 mm



ST-004
245 mm



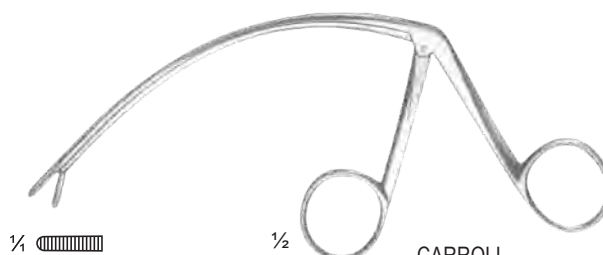
ST-005 - ST-006



ST-005
210 mm



ST-006
205 mm

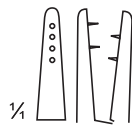


CARROLL
ST-007
115 mm

TENDON HOLDING FORCEPS, TENDON INTERLACING FORCEPS



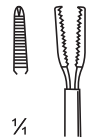
ST-008
115 mm



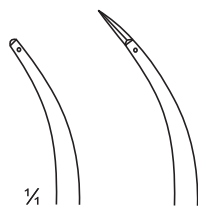
ST-009
150 mm



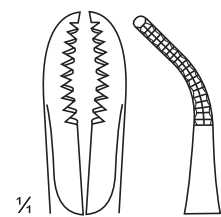
KLEINERT-KUTZ
ST-010
210 mm
Shaft Length
140 mm

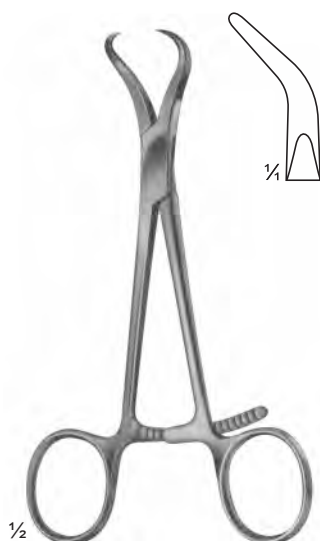


ST-011
150 mm

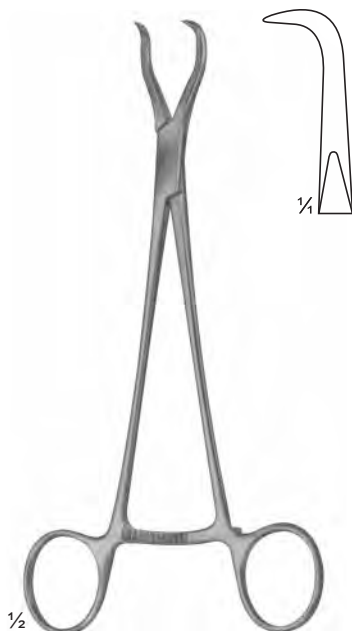


ST-012
145 mm
Bone Holding
Forceps

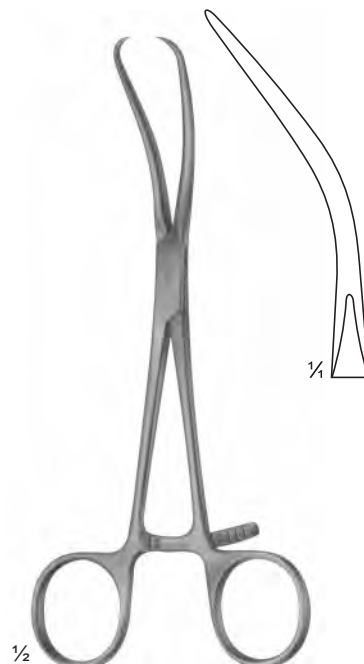




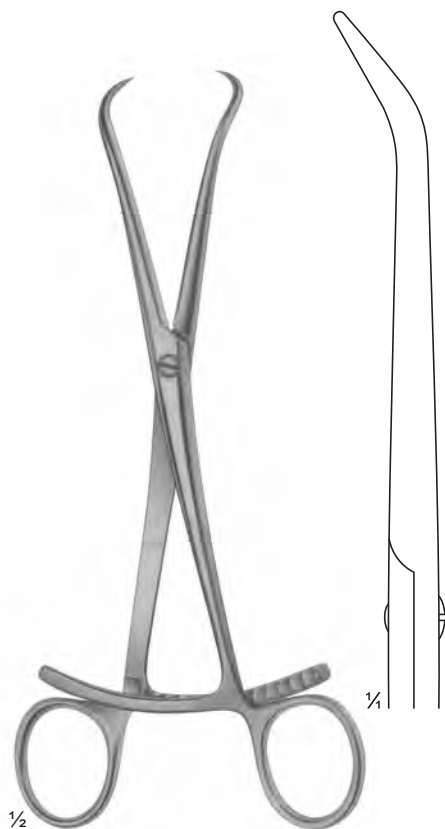
Repositioning forceps,
for small fragments
ST-013
135 mm



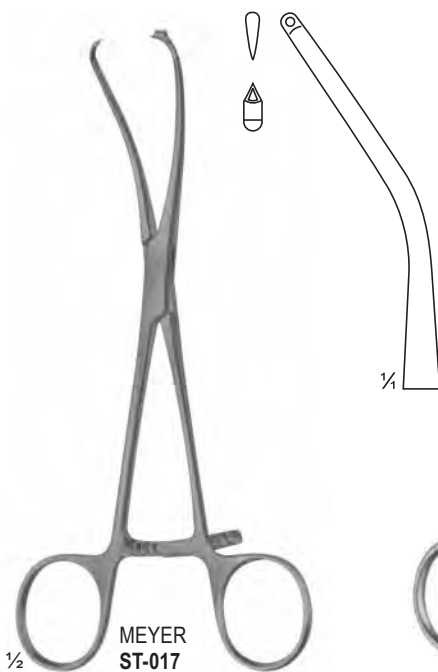
HAASE
Repositioning forceps,
for mandibular
fractures
ST-014
165 mm



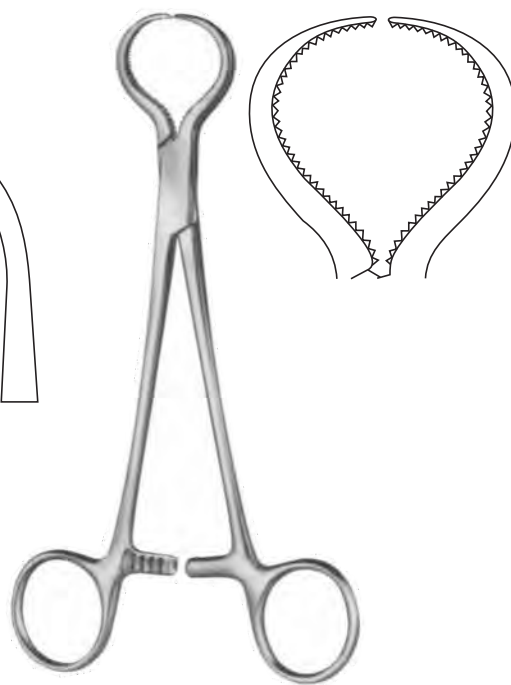
REILL
Repositioning forceps,
ST-015
170 mm



Repositioning forceps
ST-016 **ST-016-1**
205 mm 165 mm



MEYER
ST-017
Repositioning forceps
for fingers, with drill
guide for KIRSCHNER
wires up to diam. 1.0 mm
17 cm

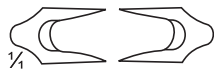


LEWIN
ST-018
180 mm

REPOSITIONING, BONE HOLDING FORCEPS



PATELLA FORCEPS
ST-019
185 mm



**Forceps with
ratchet fixation**
ST-020
140 mm



ST-021
120 mm



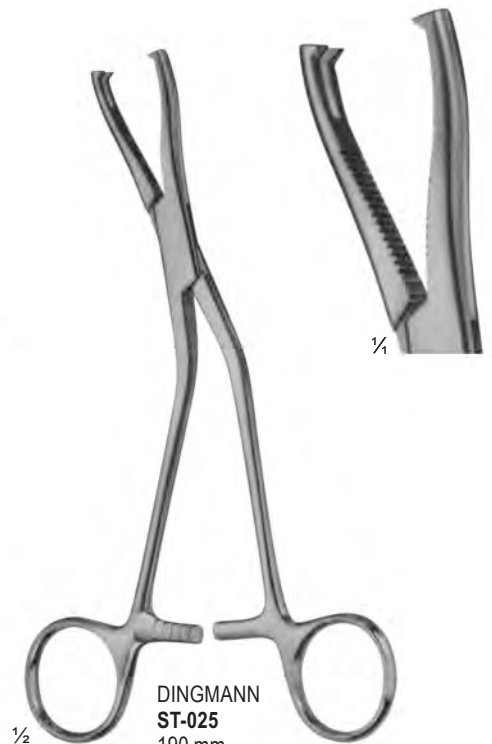
SETTER
ST-022
135 mm



SETTER
ST-023
170 mm

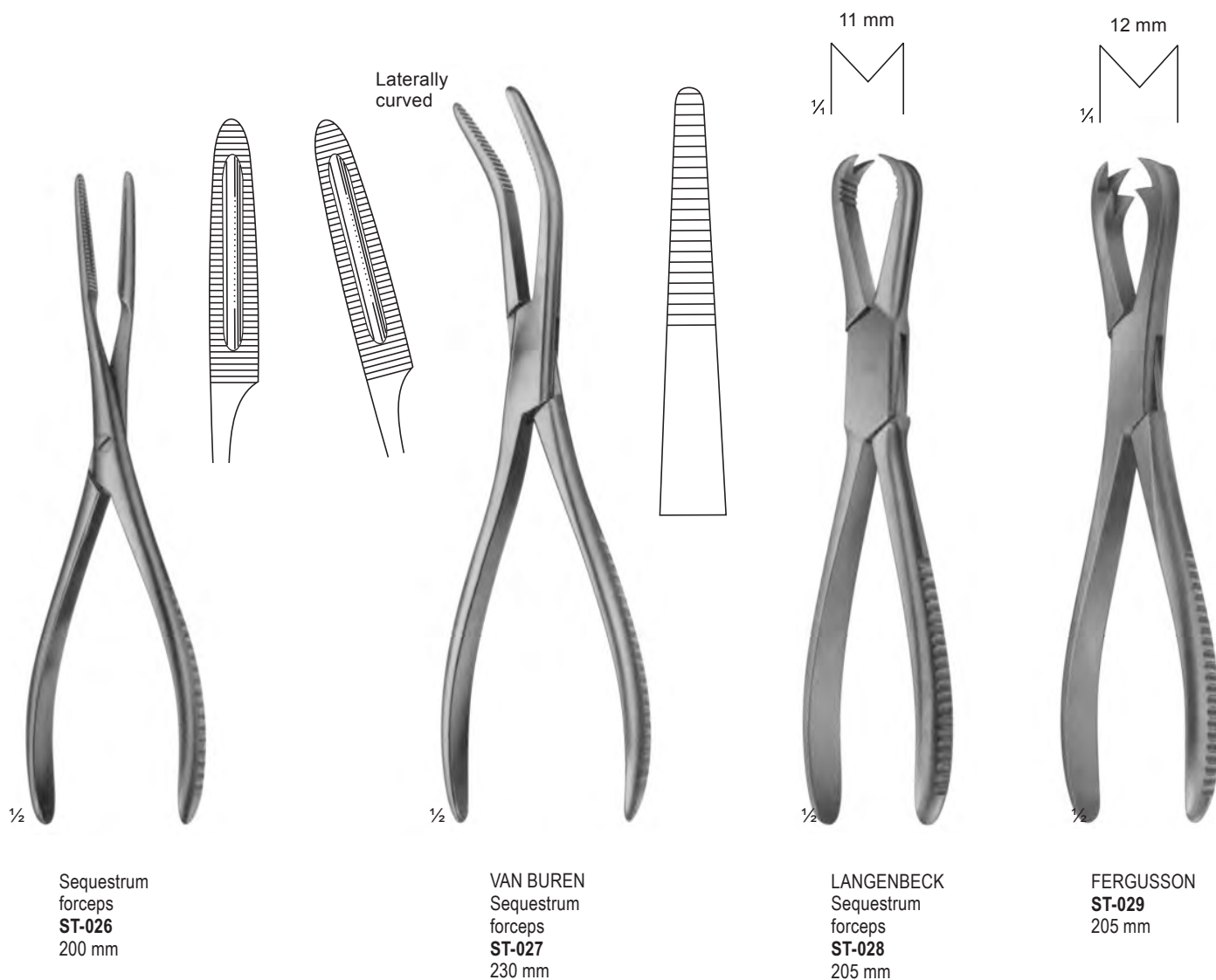


SETTER
ST-024
235 mm

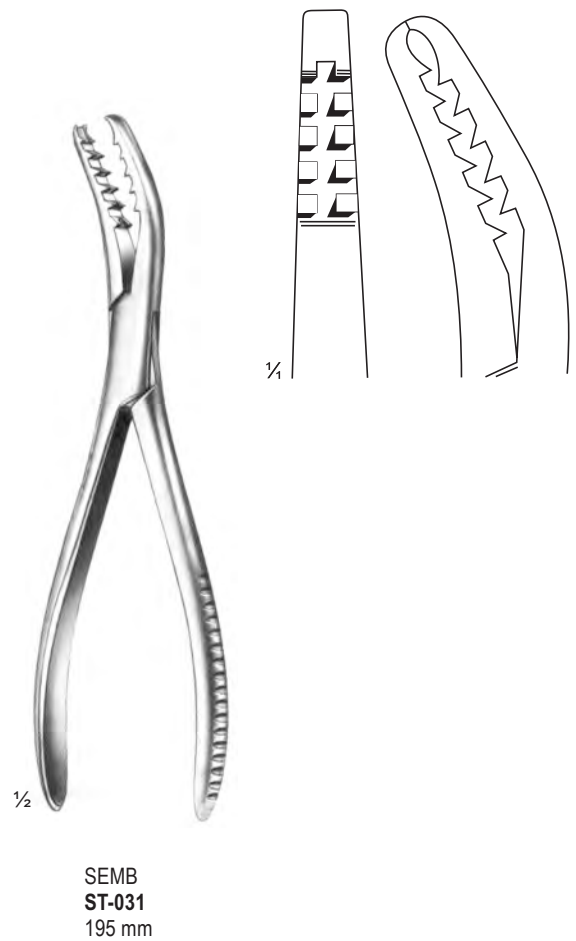
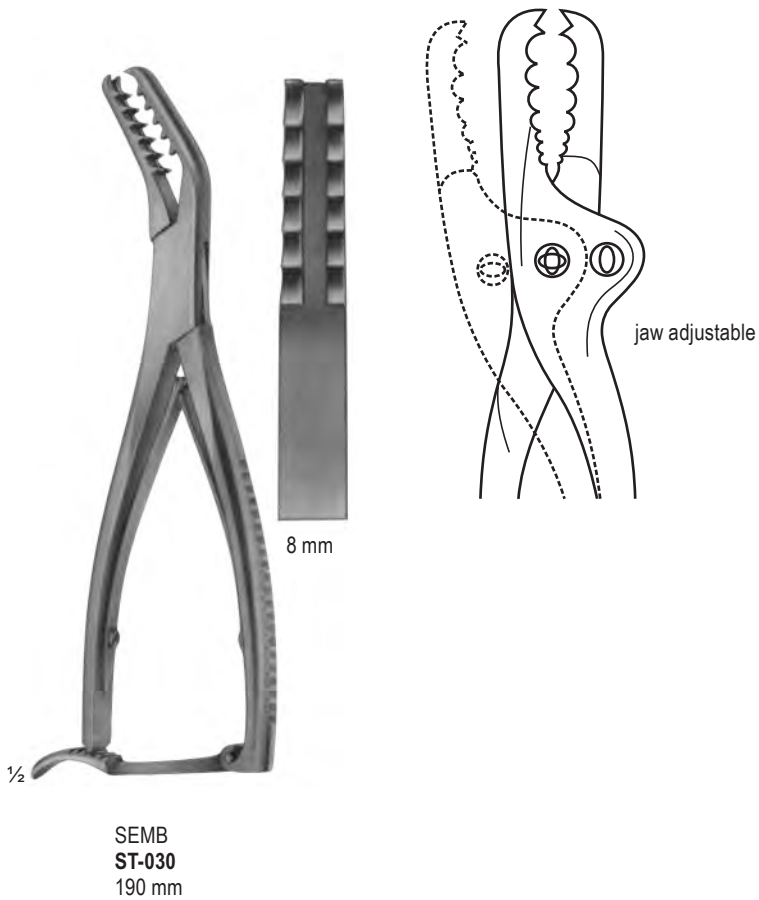


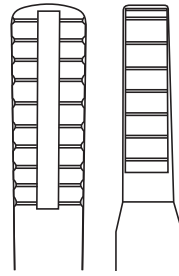
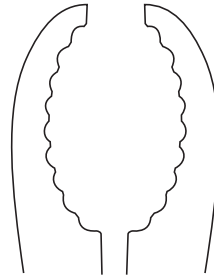
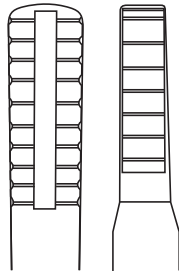
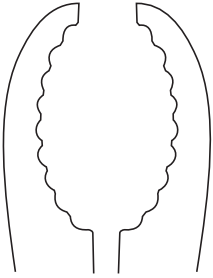
DINGMANN
ST-025
190 mm

1/4

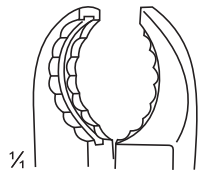


BONE HOLDING, REPOSITIONING FORCEPS

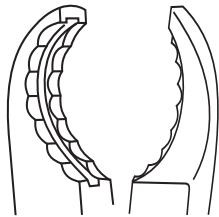




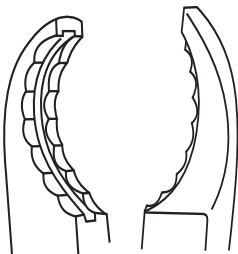
ULRICH
ST-032 - ST-034
With thread Fixation



ST-032
230 mm



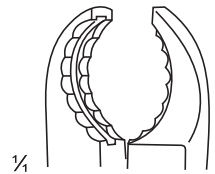
ST-033
250 mm



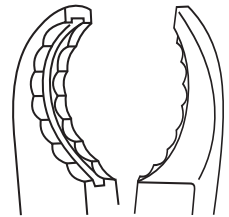
ST-034
280 mm



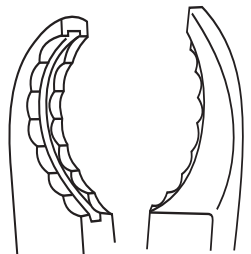
ULRICH
ST-035 - ST-037
With thread Fixation



ST-035
230 mm



ST-036
250 mm



ST-037
270 mm

BONE HOLDING FORCEPS



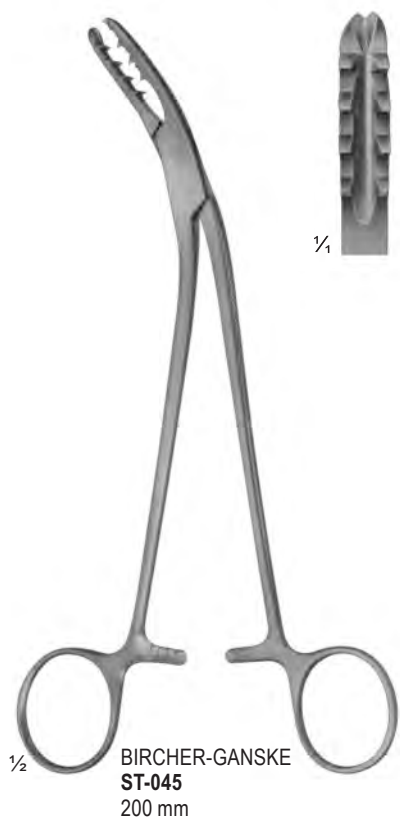
**FARABEUF
ST-038**
230 mm



**FARABEUF
ST-039**
255 mm



**FARABEUF-LAMBOTTE
ST-040**
255 mm



MALLETS



Ø 20 mm

1/2

ST-047
MEAD
185 g
with interchangeable
plastic disks
190 mm
pair of spare disks



1/2

ST-048
140 g
with interchangeable
plastic disks
185 mm
ST-049
pair of spare disks



Ø 25 mm

1/2

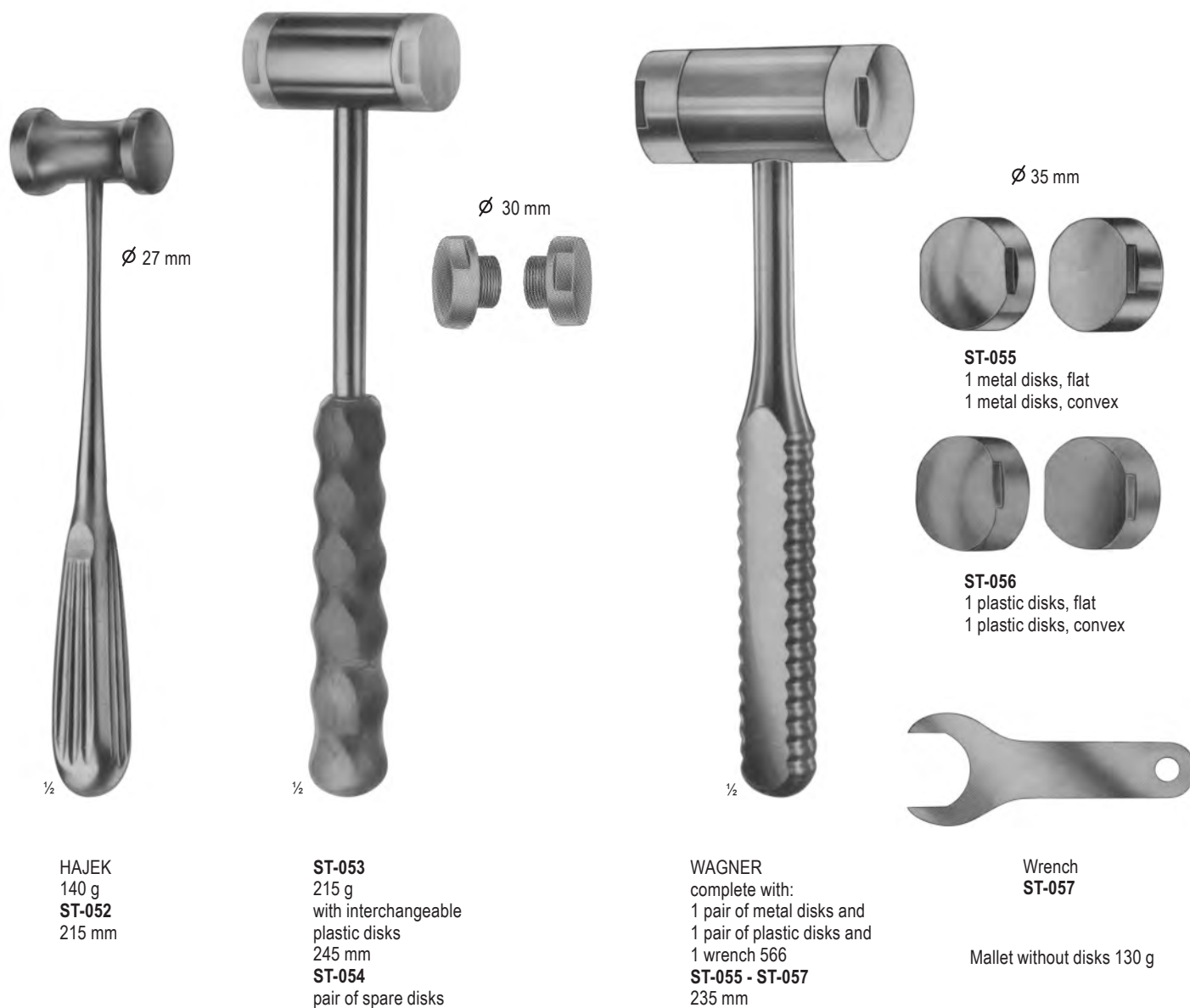
ST-050
COTTLE
140 g
1 Seite convex
1 Side convex
185 mm



Ø 22 mm

1/2

ST-051
165 g
lead filled head
190 mm





MALLETS



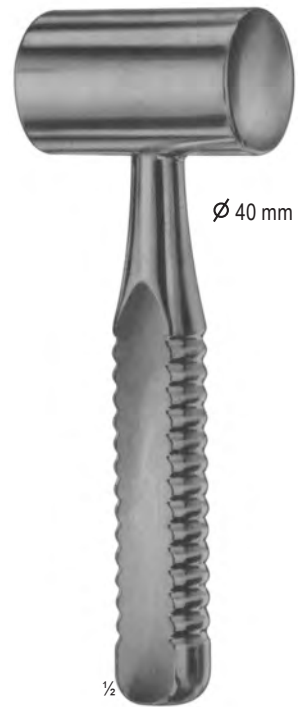
BERGMANN
ST-058
245 mm



BERGMANN
ST-059
235 mm



OMBREDANNE
ST-060
240 mm



HEATH
copper filled head
700 g
ST-061
185 mm



WILLIGER
ST-062 - ST-064
Lead Filled

ST-062	
Weight	Head
275 g	Ø 26 mm
ST-063	
Weight	Head
320 g	Ø 28 mm
ST-064	
Weight	Head
340 g	Ø 30 mm



DOYEN
ST-065 - ST-067

ST-065	
Weight	Head
120 g	Ø 25 mm
ST-066	
Weight	Head
180 g	Ø 30 mm
ST-067	
Weight	Head
260 g	Ø 35 mm

MALLETS



1/2

**PARTSCH
ST-068**
With Hollow Handle
190 mm

Weight Head
175 g Ø27 mm



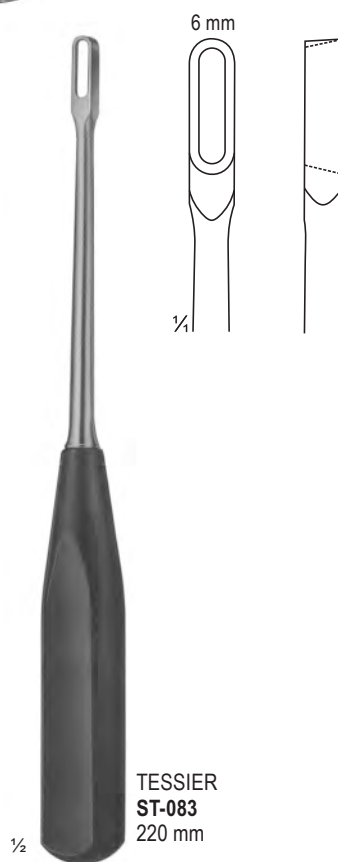
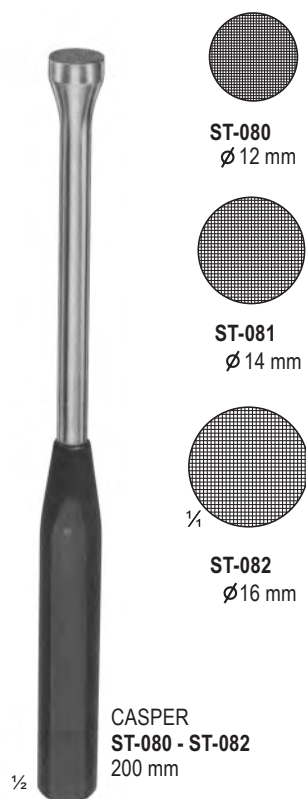
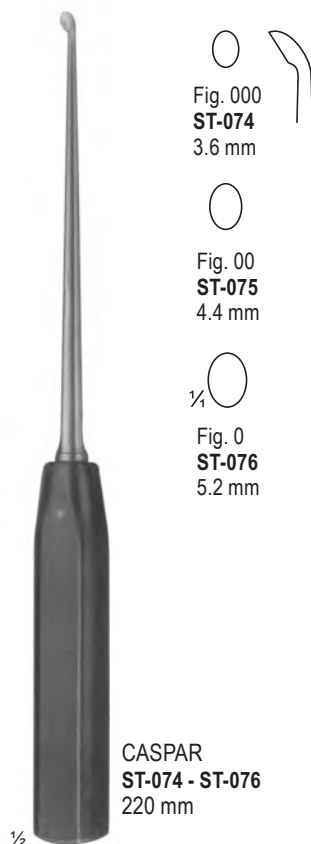
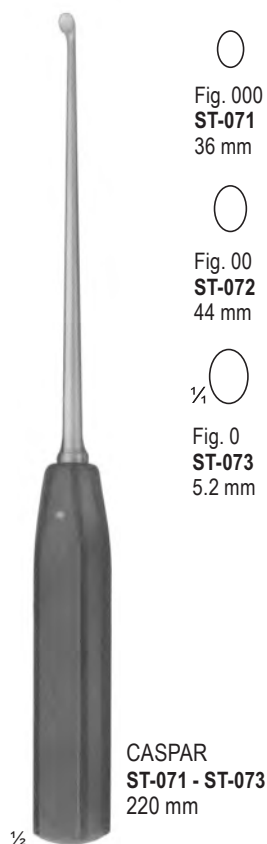
**VIKERS
ST-069**
190 mm

Weight Head
185 g Ø25 mm



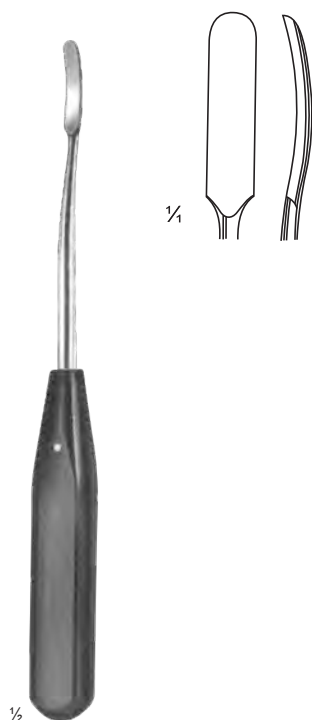
**HERBERT
ST-070**
For Ulna Head Prosthesis
190 mm

Weight Head
215 g Ø25 mm

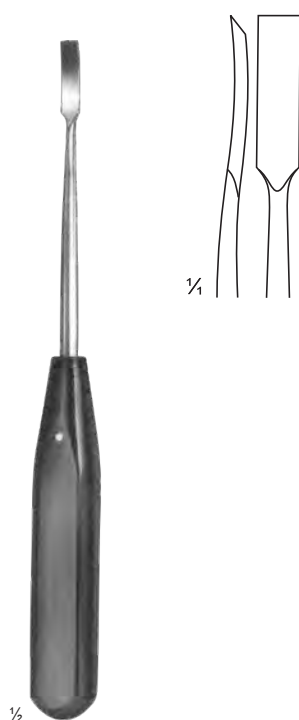




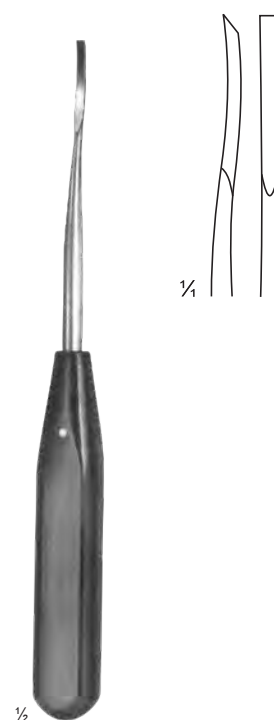
OSTEOTOMES, GOUGES



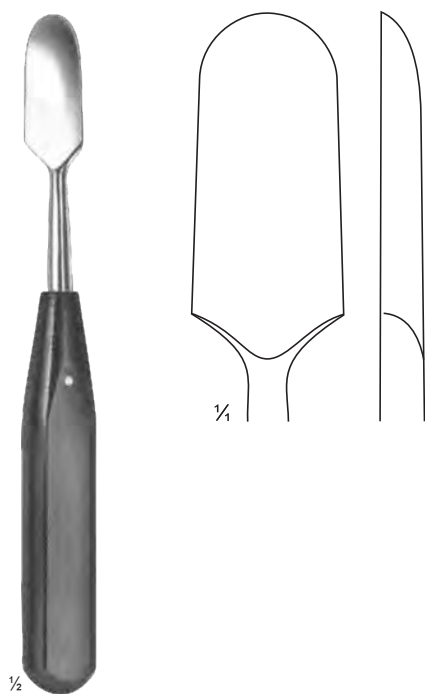
ST-087
180 mm
6 mm



ST-088
180 mm
6 mm



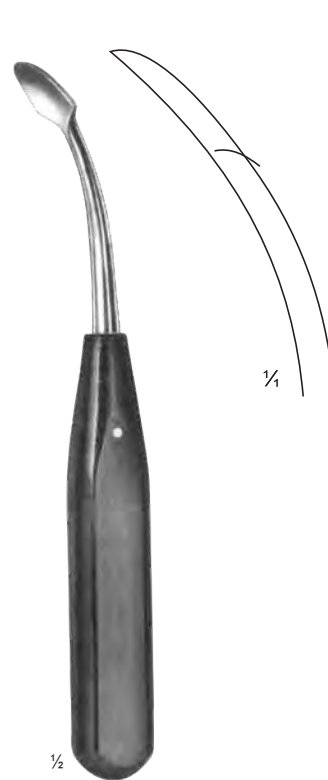
ST-089
180 mm
3 mm



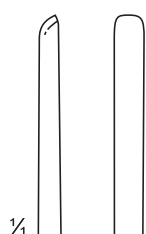
ST-090
180 mm
20 mm



ST-091
200 mm
14 mm

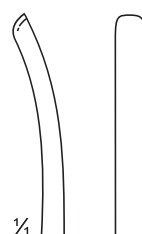


ST-092
190 mm
14 mm



ST-093 5 mm
ST-094 10 mm
ST-095 15 mm

LEXER
ST-093 - ST-095
245 mm



ST-096 5 mm
ST-097 10 mm
ST-098 15 mm

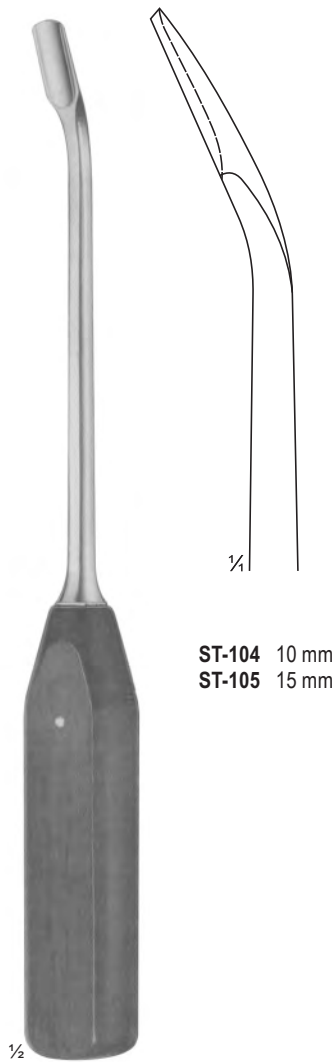
LEXER
ST-096 - ST-098
245 mm



ST-099 4 mm
ST-100 6 mm
ST-101 8 mm
ST-102 10 mm
ST-103 12 mm

LEXER-MINI
ST-099 - ST-103
180 mm

OSTEOTOMES, CHISELS AND GOUGES WITH HANDLE

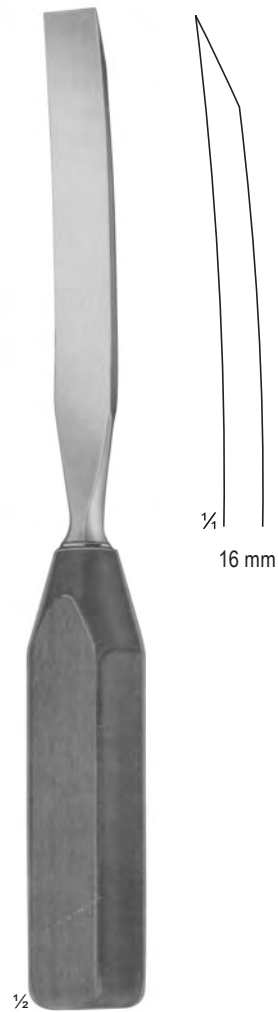


ST-104 10 mm
ST-105 15 mm

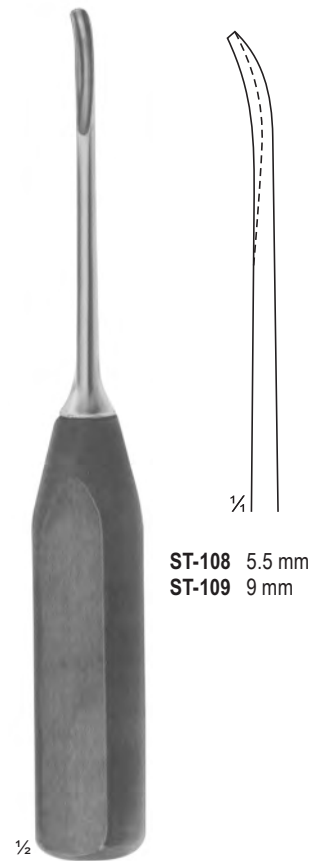
LEXER
ST-104 - ST-105
Gouges,
angled
275 mm



Chisel
ST-106
245 mm



Chisel
curved
ST-107
265 mm

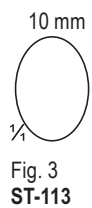
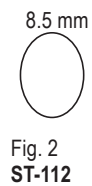
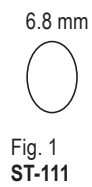
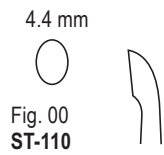


ST-108 5.5 mm
ST-109 9 mm

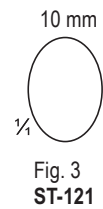
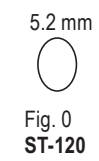
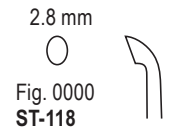
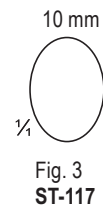
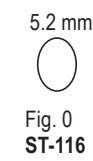
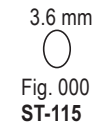
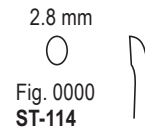
ZIELKE
ST-108 - ST-109
Gouge for
scoliose-operations
230 mm



ST-110 - ST-113
270 mm



SYPERT
ST-114 - ST-121
380 mm



OSTEOTOMES, CHISELS AND GOUGES WITH HANDLE



LANGENBECK
ST-122 - ST-123



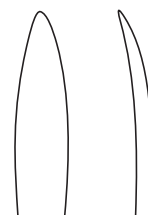
ST-122
200 mm



ST-123
200 mm



QUERVAIN
ST-124
200 mm



COBB
ST-125 - ST-127



ST-125
28 cm



ST-126
280 mm



ST-127
280 mm



ST-128 - ST-133
ST-128 170 mm
ST-129 170 mm
ST-130 170 mm
ST-131 170 mm
ST-132 190 mm
ST-133 190 mm



HOKE
ST-134 - ST-138
170 mm



HIBBS
ST-139 - ST-143
245 mm



HIBBS
ST-144 - ST-148
245 mm





OSTEOTOMES



1/2

SMITH-PETERSEN
ST-149 - ST-155
205 mm



ST-149
6 mm
ST-150
9 mm
ST-151
13 mm
ST-152
16 mm
ST-153
19 mm
ST-154
25 mm
ST-155
32 mm



1/2

SMITH-PETERSEN
ST-156 - ST-162
205 mm



ST-156
6 mm
ST-157
9 mm
ST-158
13 mm
ST-159
16 mm
ST-160
19 mm
ST-161
25 mm
ST-162
32 mm



1/2

SMITH-PETERSEN
ST-163 - ST-166
205 mm



ST-163
9 mm
ST-164
14 mm
ST-165
19 mm
ST-166
25 mm

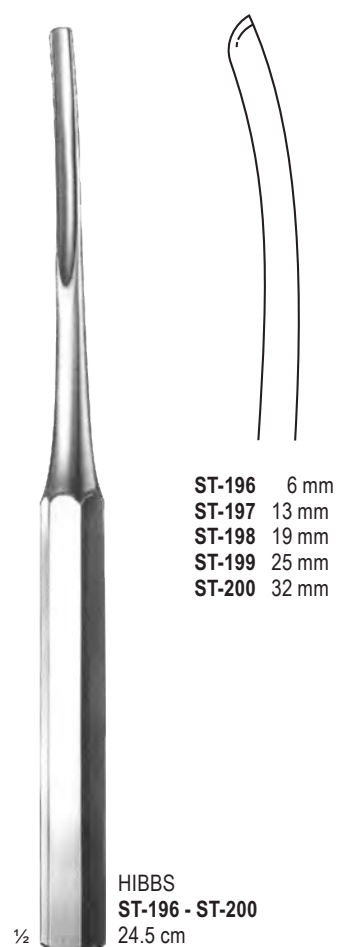
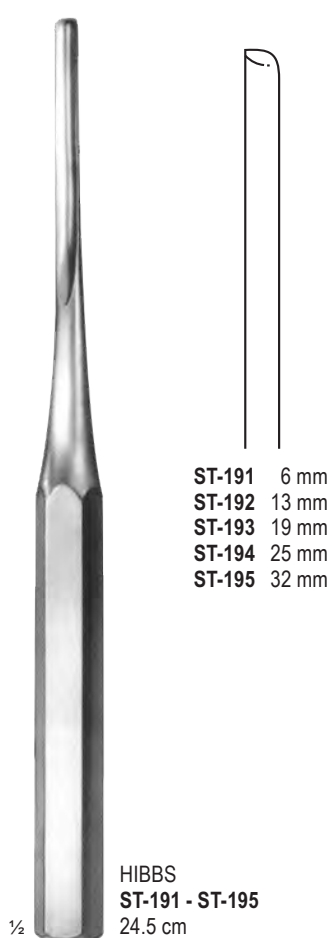
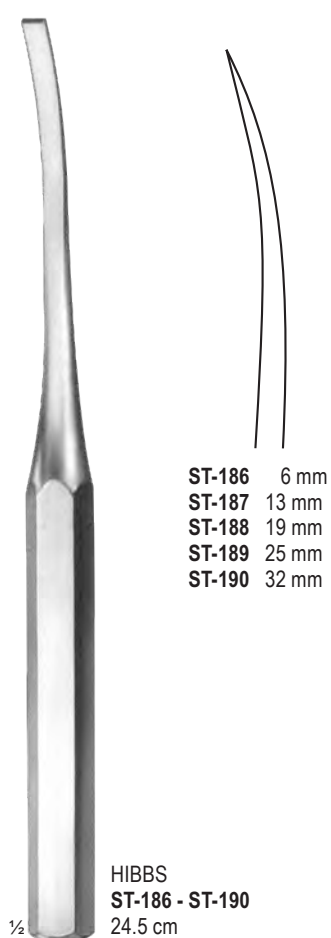
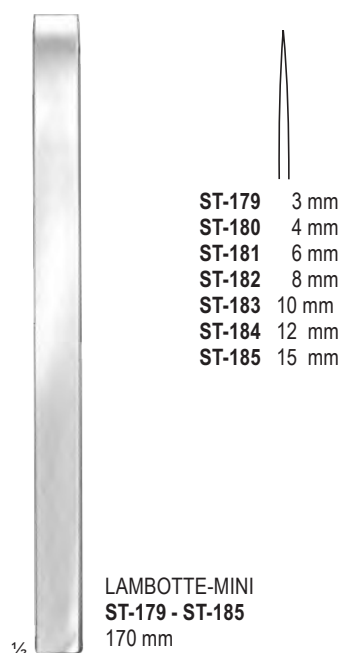
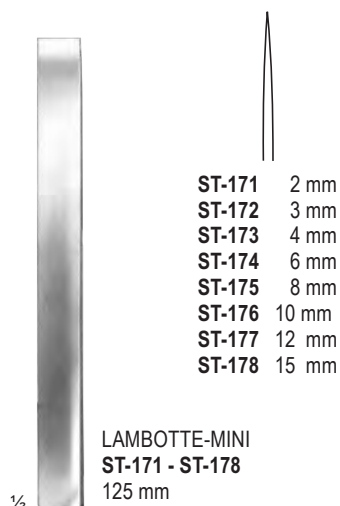


1/2

SMITH-PETERSEN
ST-167 - ST-170
205 mm



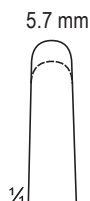
ST-167
9 mm
ST-168
14 mm
ST-169
19 mm
ST-170
25 mm



TAMPERS – OSTEOTOMES, CHISELS AND GOUGES



Haase
ST-201
100 mm



PASSOW
ST-202 - ST-203
120 mm

$\frac{1}{4}$ □
ST-202
5.7 mm
 $\frac{1}{4}$ □
ST-203
3.5 mm



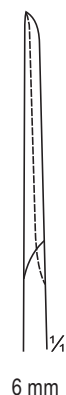
FREER
Chisel
ST-204
160 mm



FREER
Chisel, curved
ST-205
160 mm



FREER
Gouge
ST-206
150 mm



Scaphoid gouge,
downwards curved
ST-207
135 mm



Scaphoid gouge,
upwards curved
ST-208
135 mm

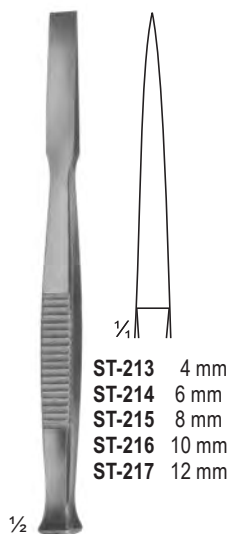


Mannerfelt
ST-209 - ST-211
ST-209 4 mm
ST-210 6 mm
ST-211 8 mm
155 mm



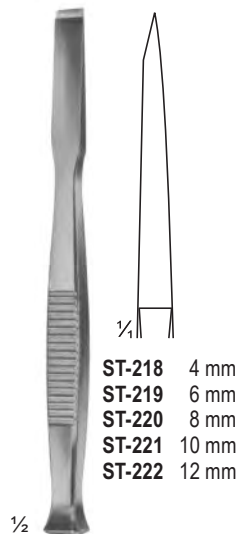


ST-212
Mannerfelt
155 mm



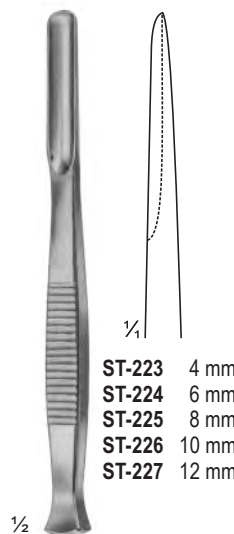
ST-213 - ST-217
Osteotome
140 mm

ST-213 4 mm
ST-214 6 mm
ST-215 8 mm
ST-216 10 mm
ST-217 12 mm



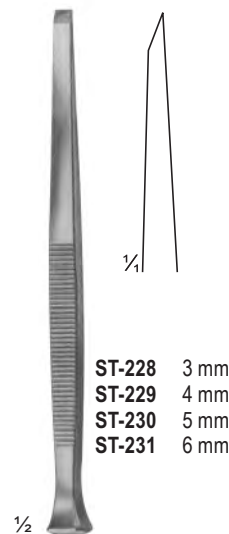
ST-218 - ST-222
Chisels
140 mm

ST-218 4 mm
ST-219 6 mm
ST-220 8 mm
ST-221 10 mm
ST-222 12 mm



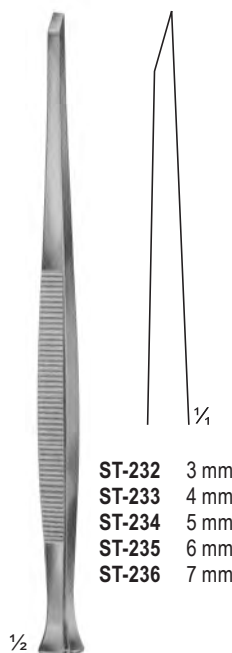
ST-223 - ST-227
Gouges
140 mm

ST-223 4 mm
ST-224 6 mm
ST-225 8 mm
ST-226 10 mm
ST-227 12 mm



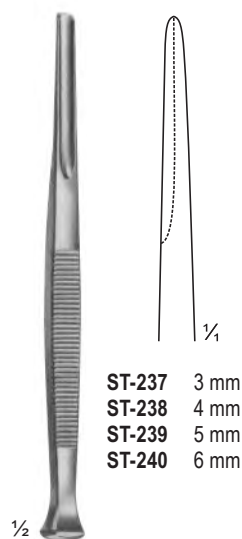
PARTSCH
ST-228 - ST-231
CHISELS
140 mm

ST-228 3 mm
ST-229 4 mm
ST-230 5 mm
ST-231 6 mm



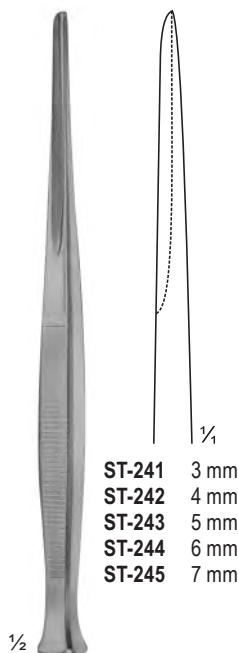
PARTSCH
ST-232 - ST-236
Chisels
170 mm

ST-232 3 mm
ST-233 4 mm
ST-234 5 mm
ST-235 6 mm
ST-236 7 mm



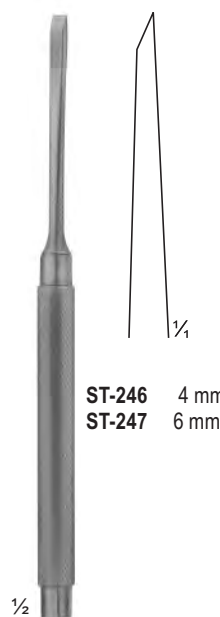
PARTSCH
ST-237 - ST-240
Gouges
140 mm

ST-237 3 mm
ST-238 4 mm
ST-239 5 mm
ST-240 6 mm



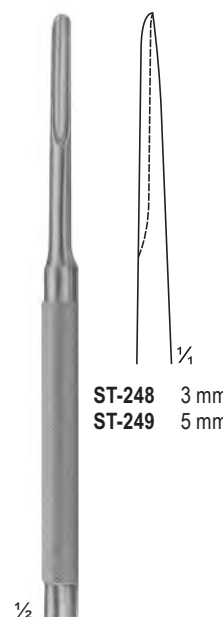
PARTSCH
ST-241 - ST-245
Gouges
170 mm

ST-241 3 mm
ST-242 4 mm
ST-243 5 mm
ST-244 6 mm
ST-245 7 mm



LUCAS
ST-246 - ST-247
Chisels
160 mm

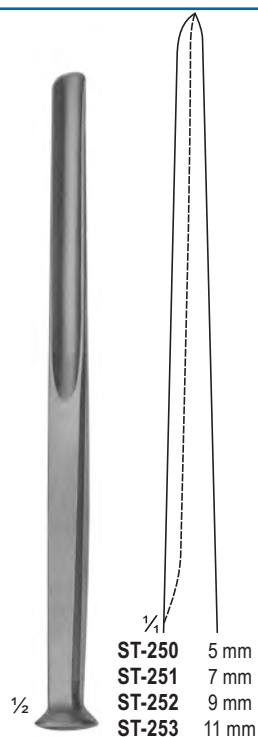
ST-246 4 mm
ST-247 6 mm



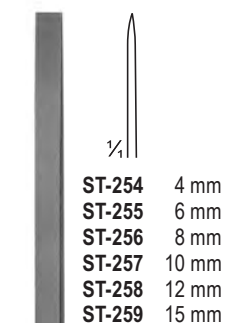
LUCAS
ST-248 - ST-249
Gouges
160 mm

ST-248 3 mm
ST-249 5 mm

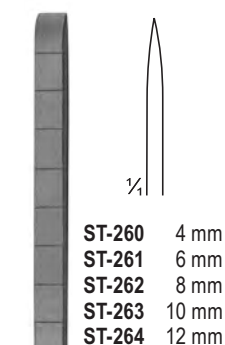
OSTEOTOMES CHISELS AND GOUGES



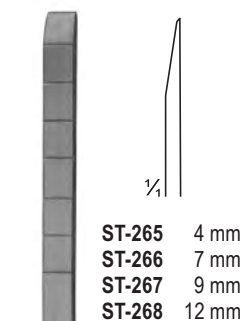
ALEXANDER
ST-250 - ST-253
Gouges
170 mm



LAMBOTTE
ST-254 - ST-259
Osteotome
125 mm



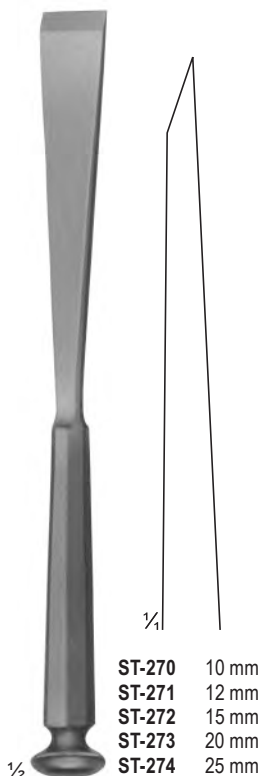
COTTLE
ST-260 - ST-264
Osteotome with depth
markings
180 mm



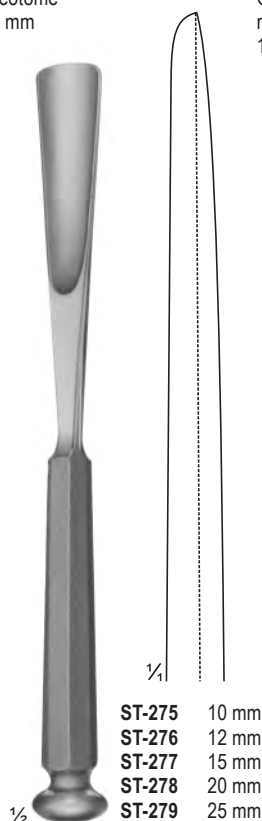
COTTLE
ST-265 - ST-268
Chisel-Osteotomes
with depth markings
180 mm



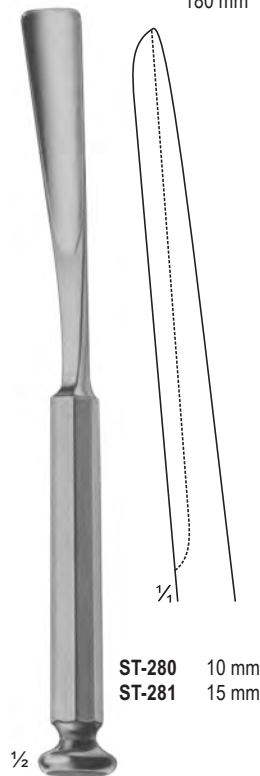
COTTLE
ST-269
Fishtail Chisel,
with protected ends
180 mm



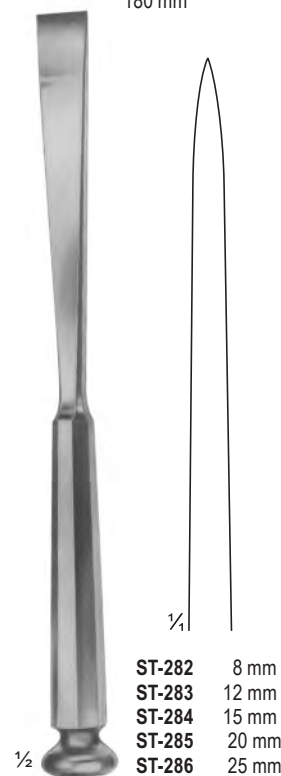
STILLE
ST-270 - ST-274
Chisels
205 mm



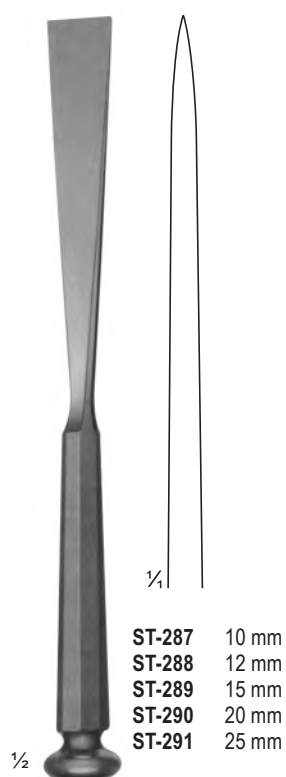
STILLE
ST-275 - ST-279
Gouges
205 mm



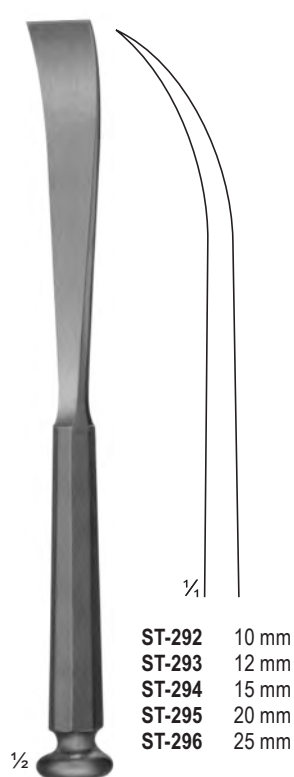
WALTER
ST-280 - ST-281
Osteotomes
gouges for taking
grafts from the rib
205 mm



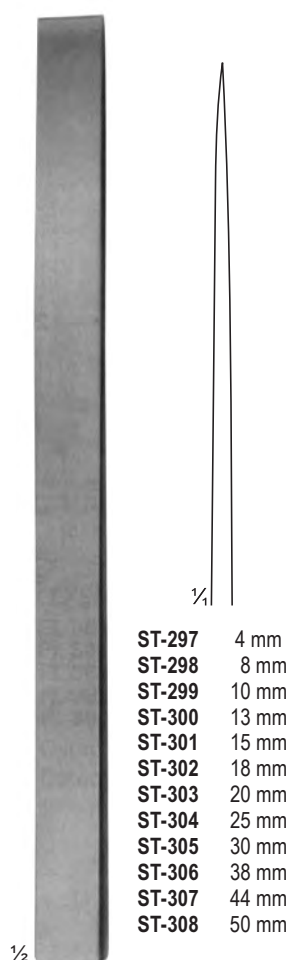
STILLE
ST-282 - ST-286
Osteotomes
205 mm



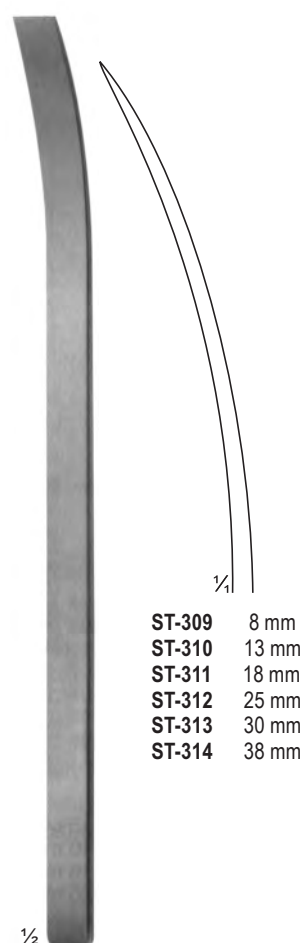
STILLE
ST-287 - ST-291
Osteotomes
205 mm



STILLE
ST-292 - ST-296
Osteotomes, curved
205 mm

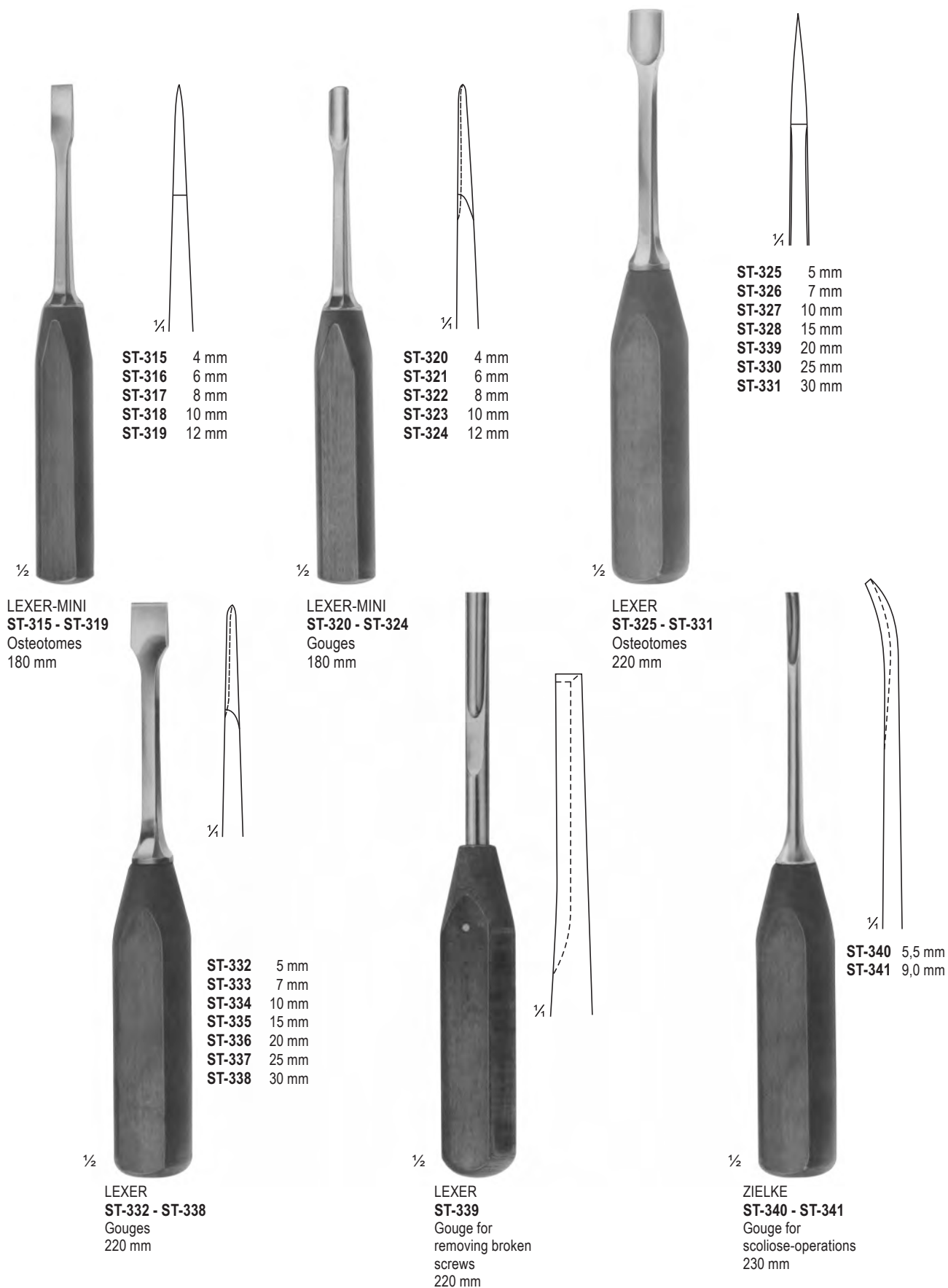


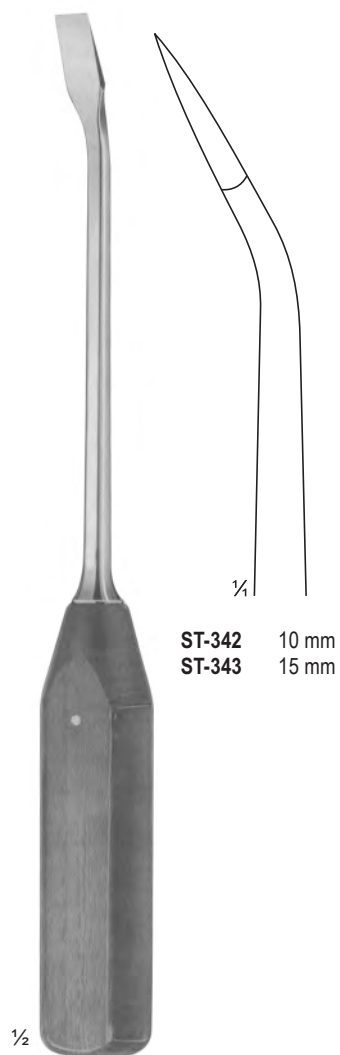
LAMBOTTE
ST-297 - ST-308
Osteotomes
245 mm



LAMBOTTE
ST-309 - ST-314
Osteotomes, curved
245 mm

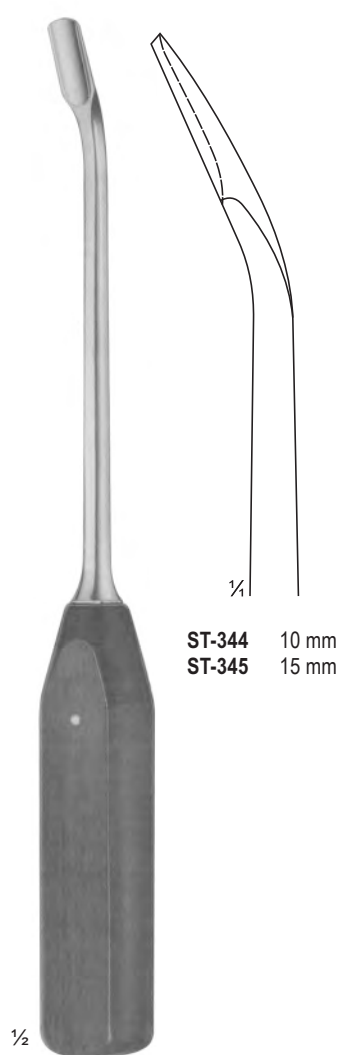
OSTEOTOMES, CHISELS AND GOUGES WITH HARTPRESS -HANDLE





ST-342 10 mm
ST-343 15 mm

LEXER
ST-342 - ST-343
Osteotomes,
angled
275 mm



ST-344 10 mm
ST-345 15 mm

LEXER
ST-344 - ST-345
Gouges,
angled
275 mm



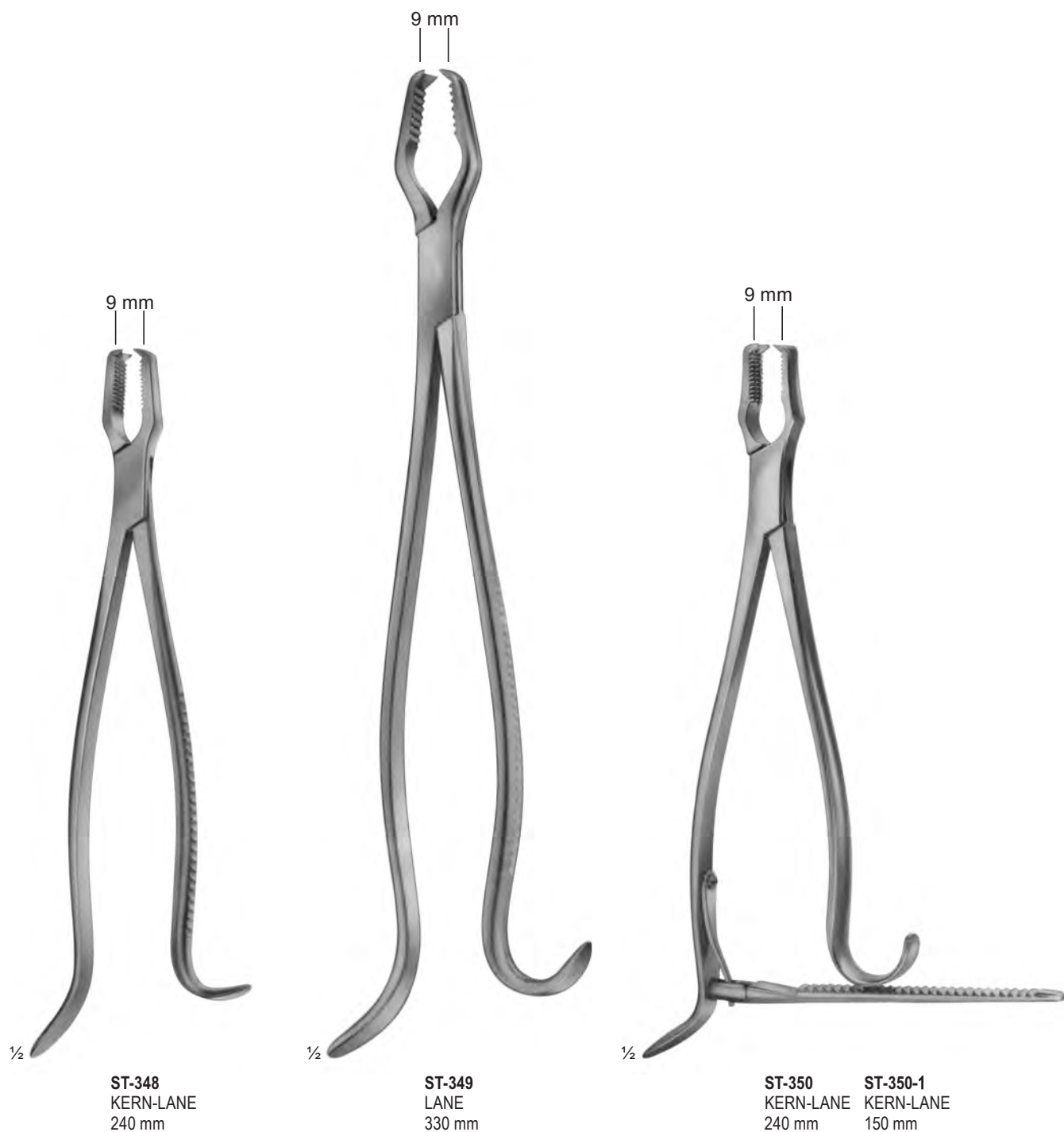
ST-346
Chisel
245 mm

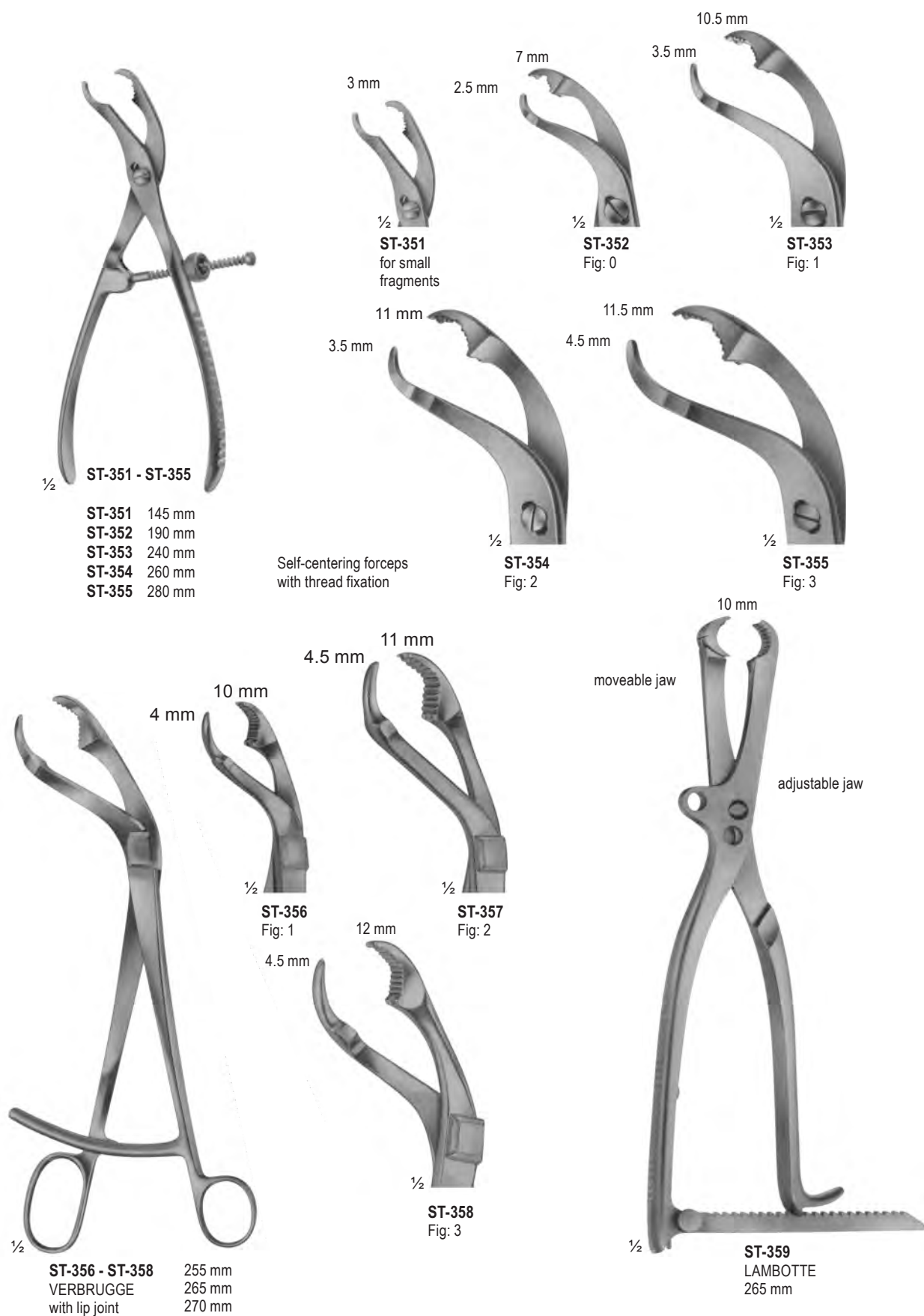


ST-347
Chisel, curved
265 mm



BONE HOLDING FORCEPS





BONE CLAMPS



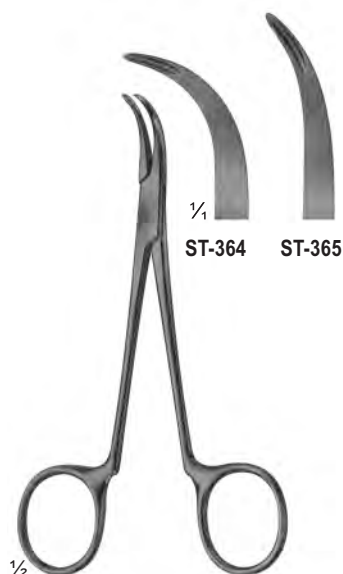
ST-360 - ST-361
LOWMAN
ST-360 170 mm
ST-361 205 mm



ST-362
LOWMAN-GERSTER
210 mm



ST-363
LOWMAN-HOGLUND
175 mm



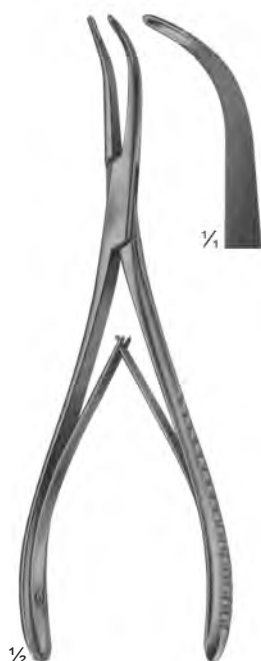
ST-364 - ST-365
Synovectomy rongeur
width of jaws 1.2 mm
130 mm



ST-366 - ST-367
Synovectomy rongeur
width of jaws 2.0 mm
130 mm



ST-368
STELLBRINK
Synovectomy rongeur
175 mm



ST-369
STELLBRINK
Synovectomy rongeur
170 mm



ST-370
LURE-FRIEDMANN
145 mm



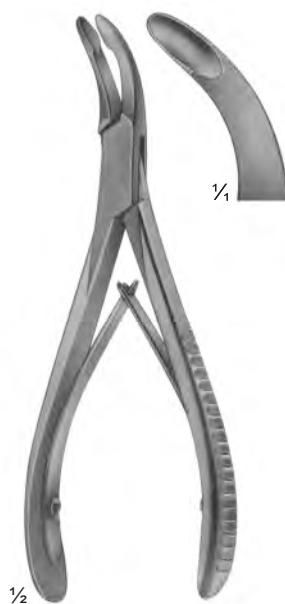
ST-371
140 mm



BONE RONGEURS



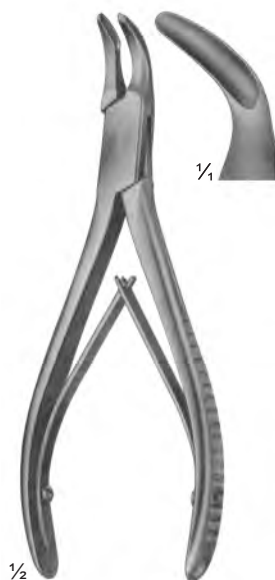
ST-372
LURE
150 mm



ST-373
LURE
155 mm



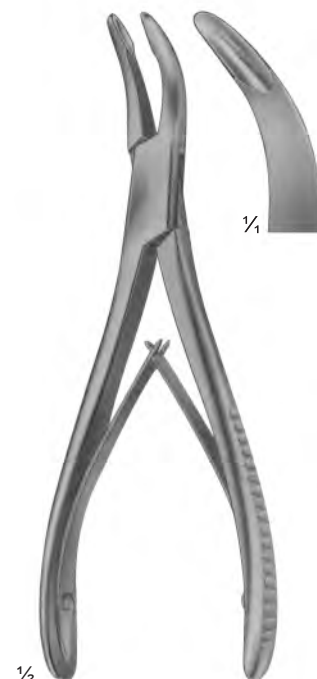
ST-374
BLUMENTHAL
155 mm



ST-375
BLUMENTHAL
150 mm



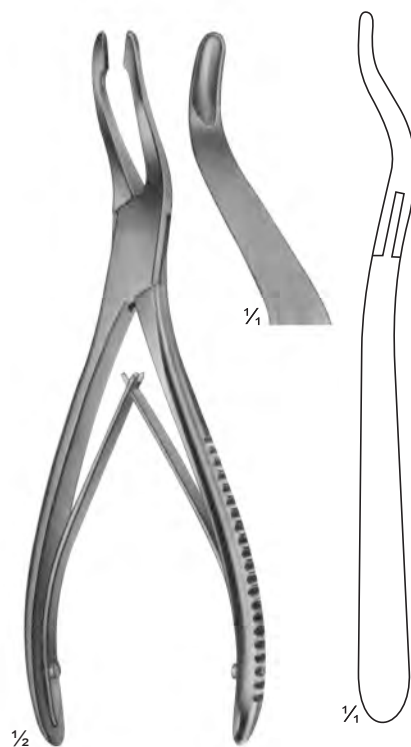
ST-376 - ST-377
JANSEN
175 mm



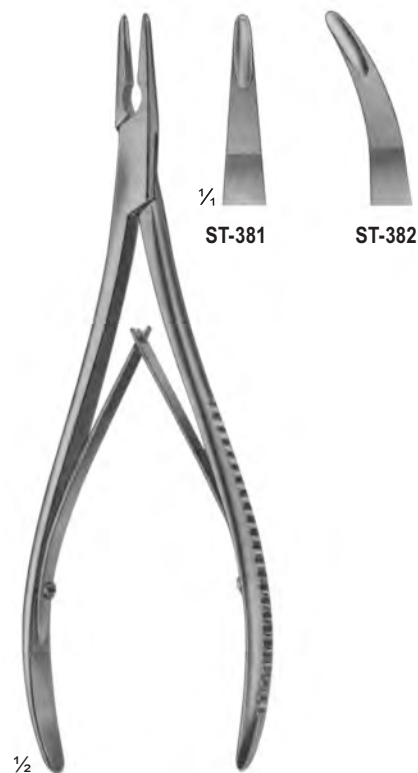
ST-378
BANE-HARTMANN
175 mm



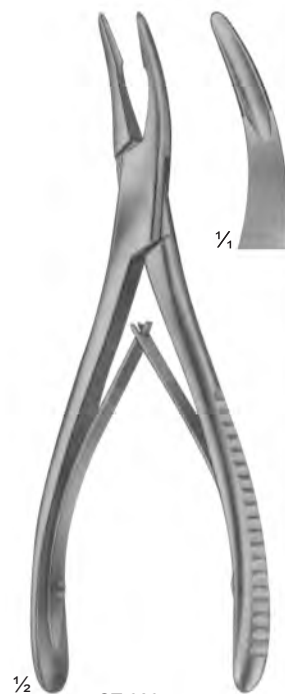
ST-379
ALEXANDER
140 mm



ST-380
JANSEN
190 mm



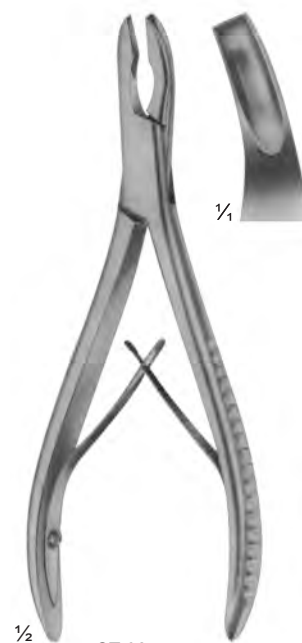
ST-381 - ST-382
LEMPERT
200 mm



ST-383
BEYER
180 mm

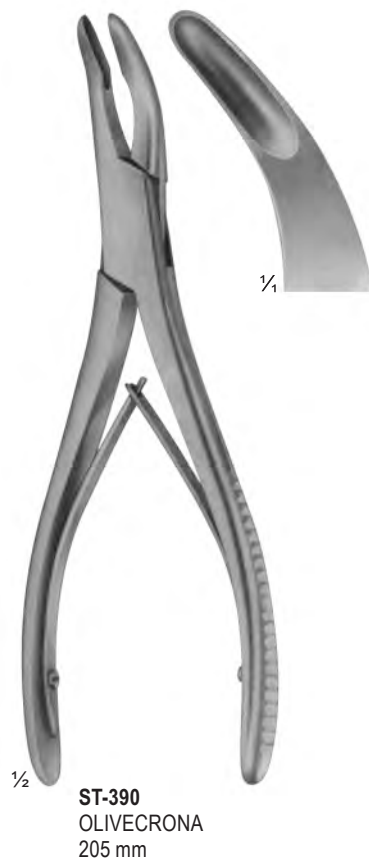
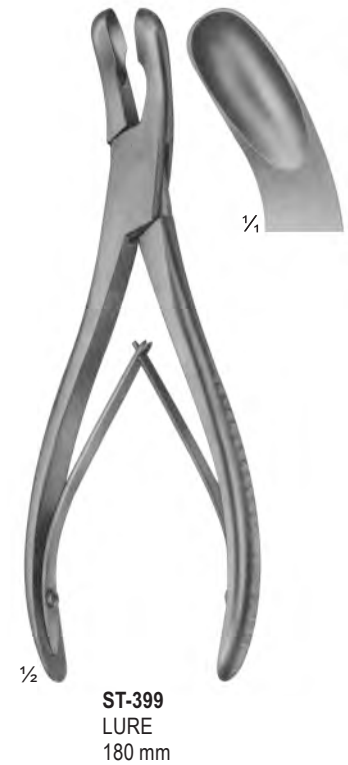
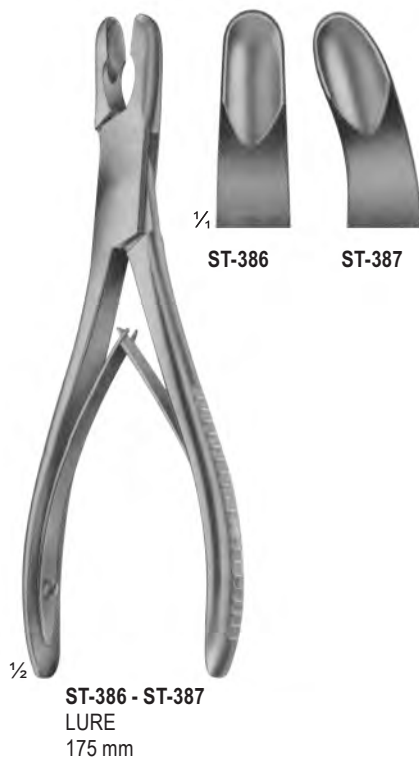


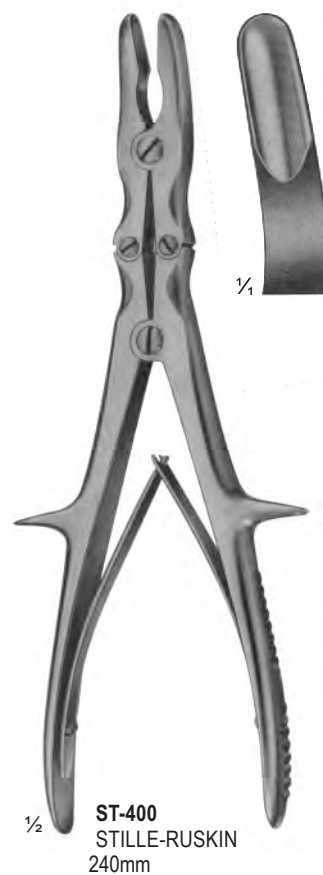
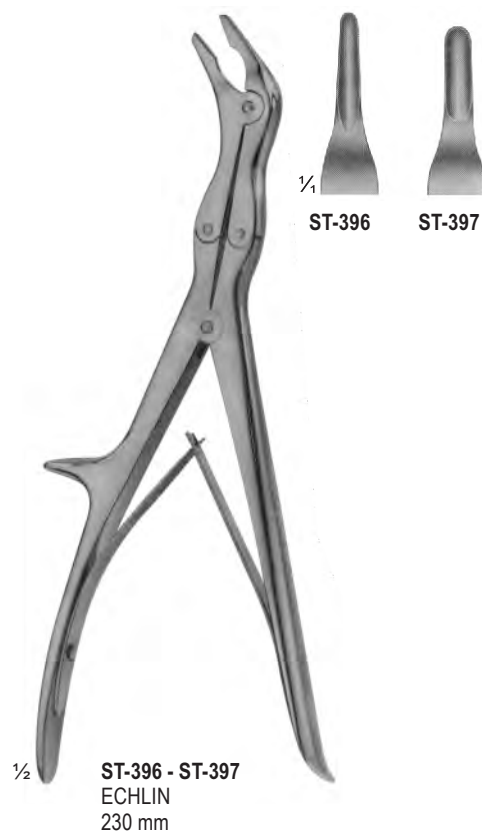
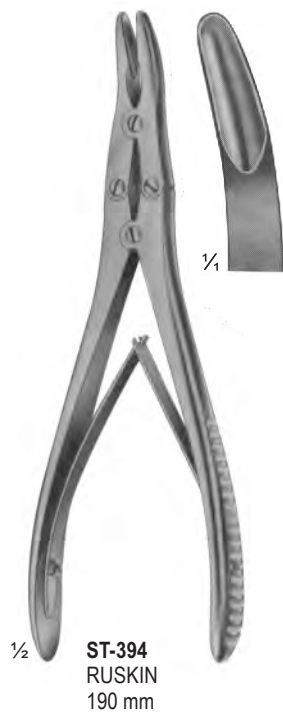
ST-384
MEAD
165 mm



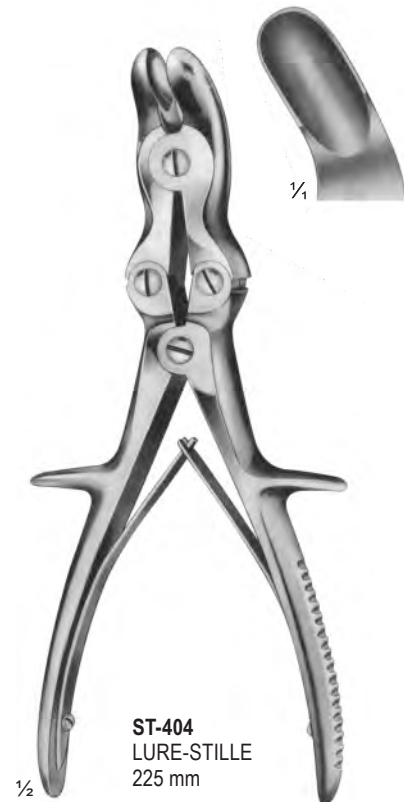
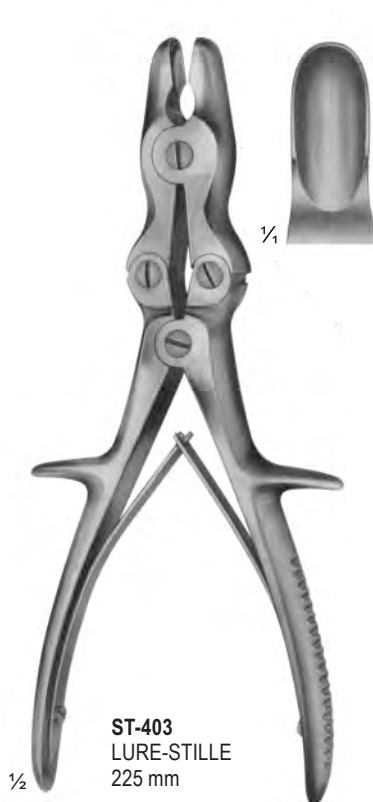
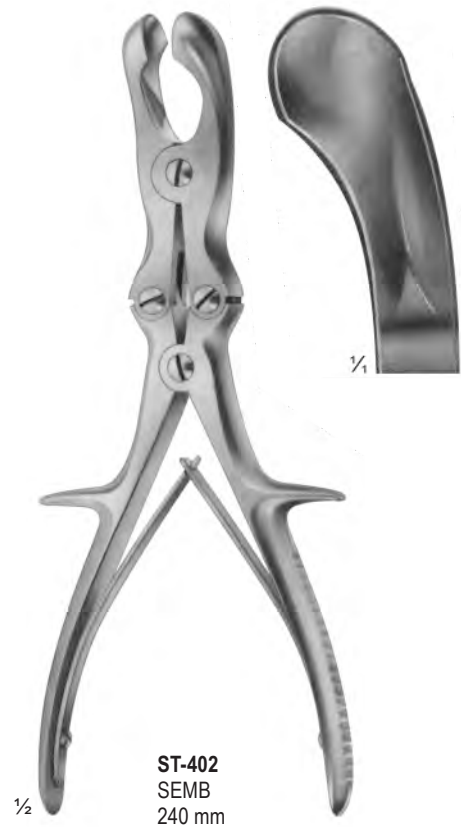
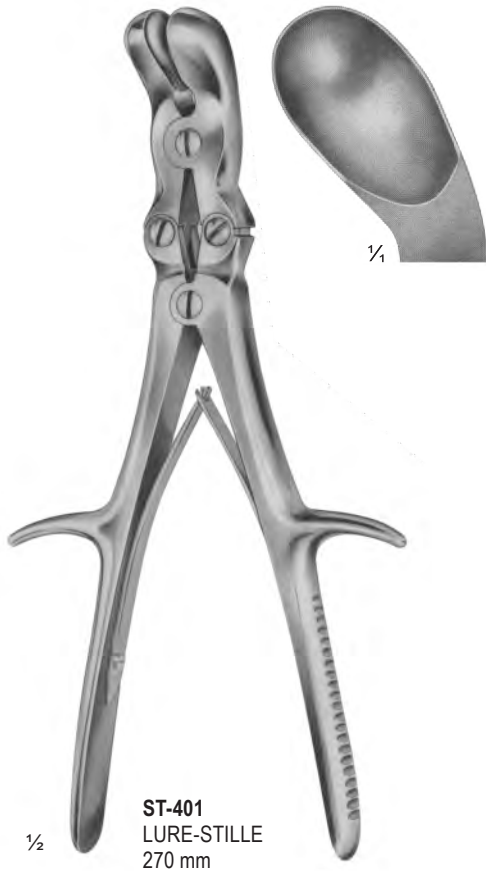
ST-385
MEAD
165 mm

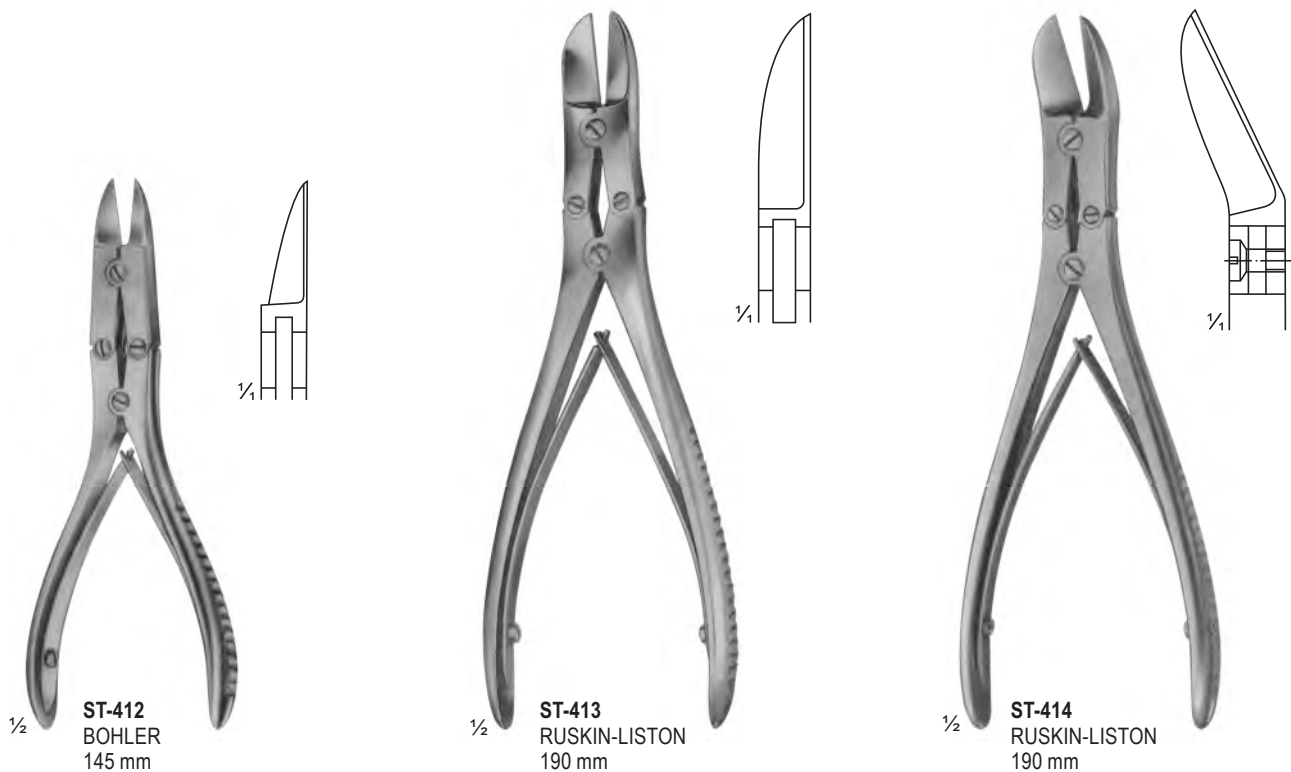
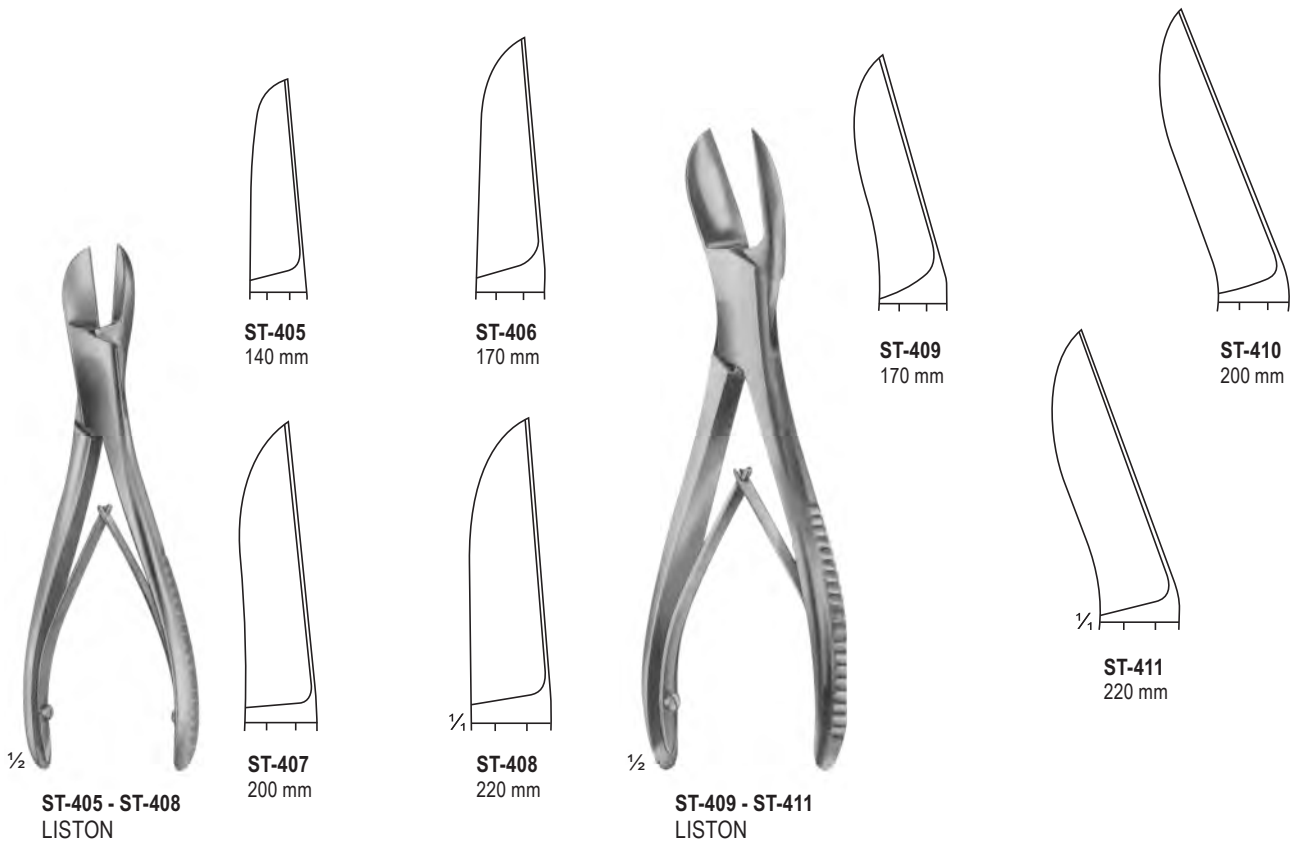
BONE RONGEURS



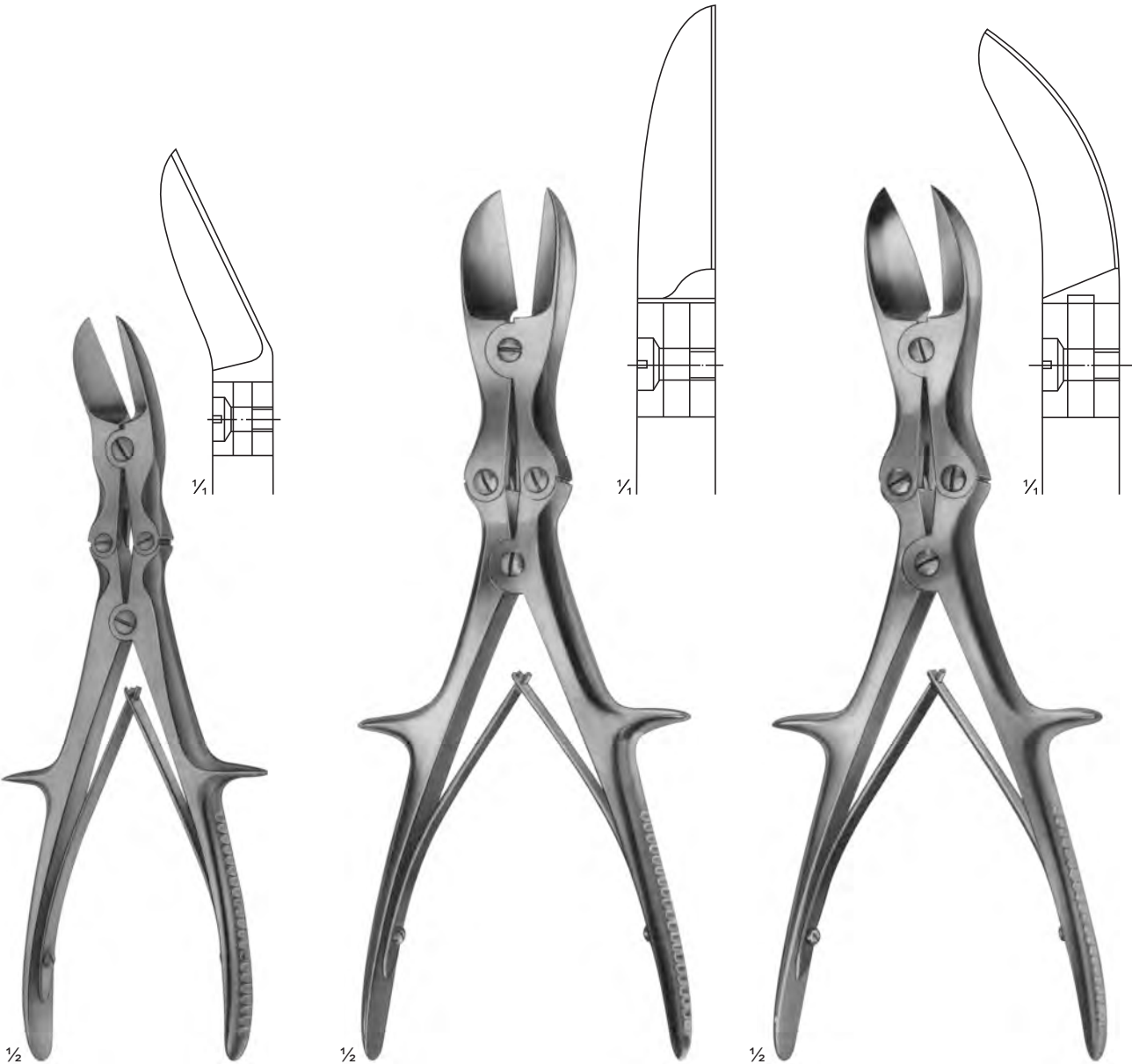


BONE RONGEURS





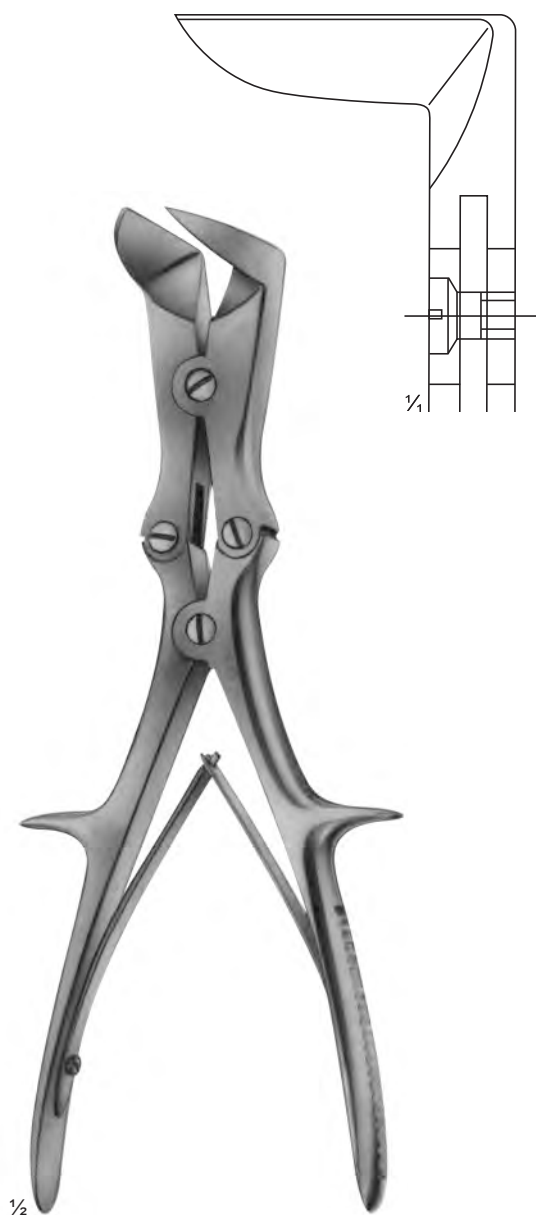
BONE CUTTING FORCEPS



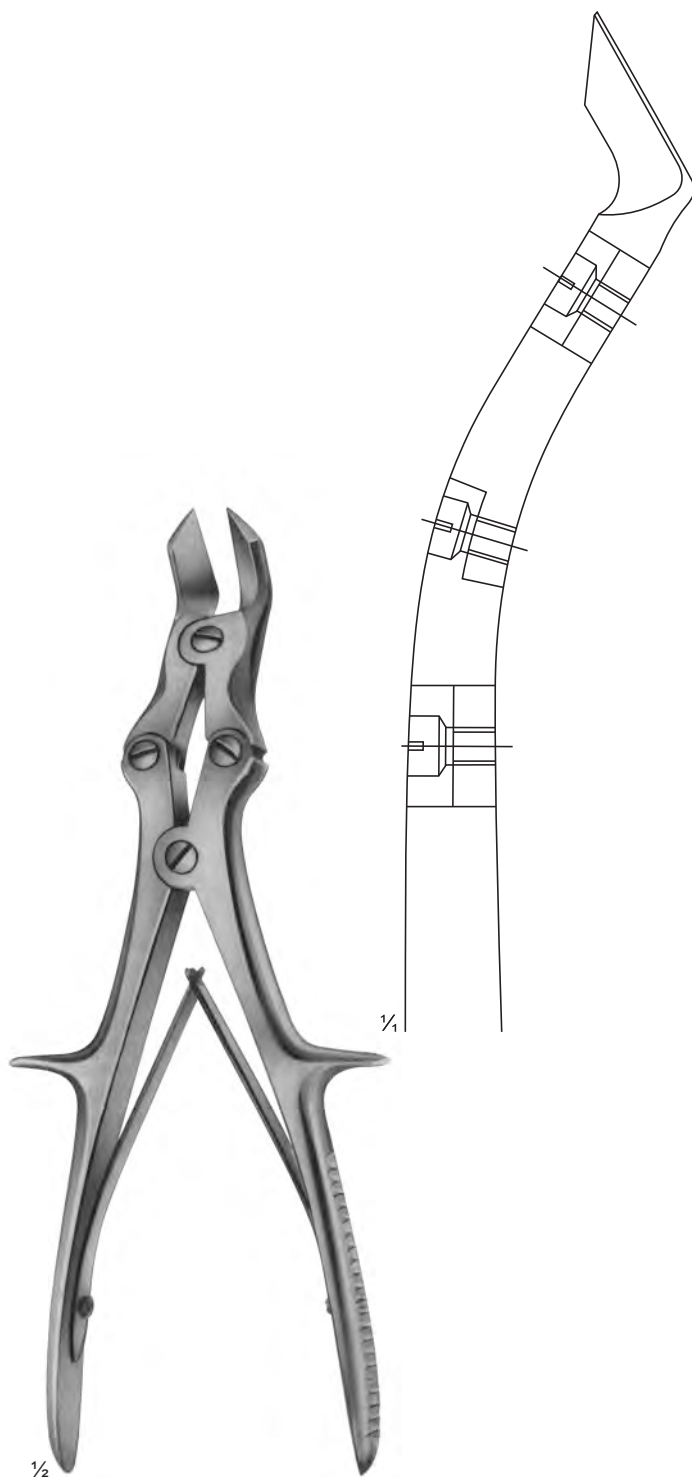
ST-415
LISTON
curved on flat
240 mm

ST-416
LISTON
straight
280 mm

ST-417
LISTON
curved on flat
280 mm

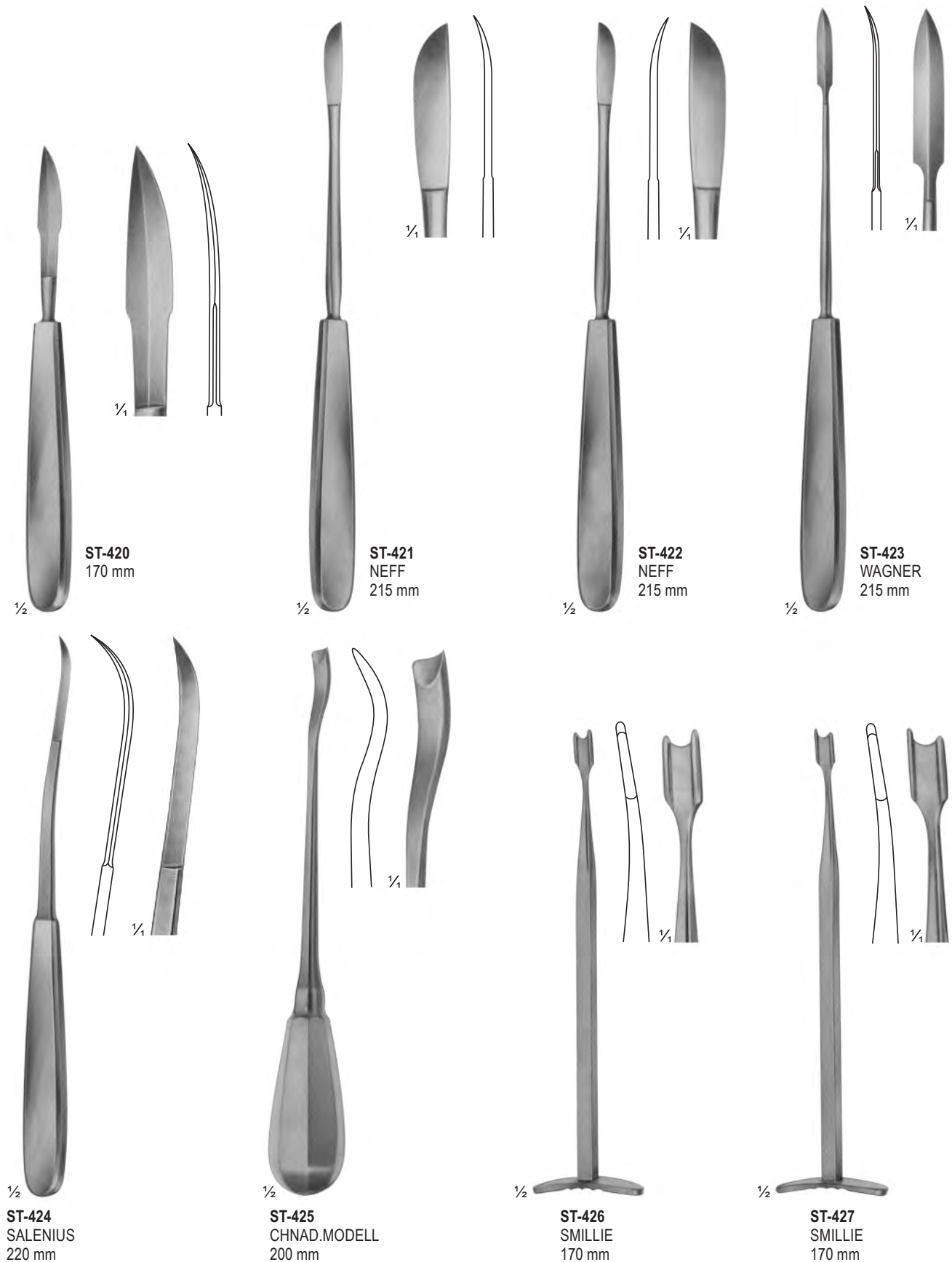


ST-418
LISTON-STILLE
265 mm



ST-419
LISTON-KEY-HORSLEY
(TUDOR EDWARDS)
255 mm

MENISCUS KNIVES





ST-428
130 mm

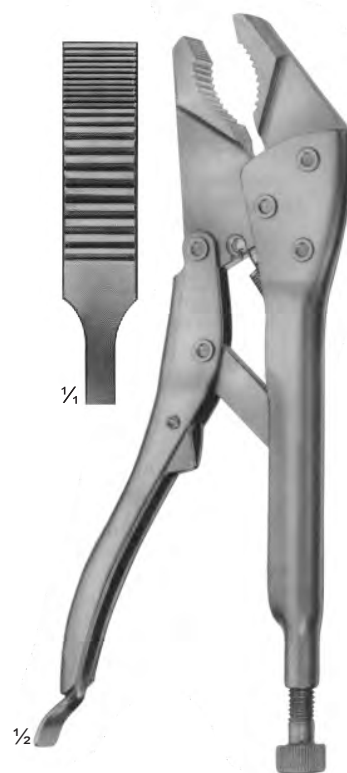
ST-429
180 mm



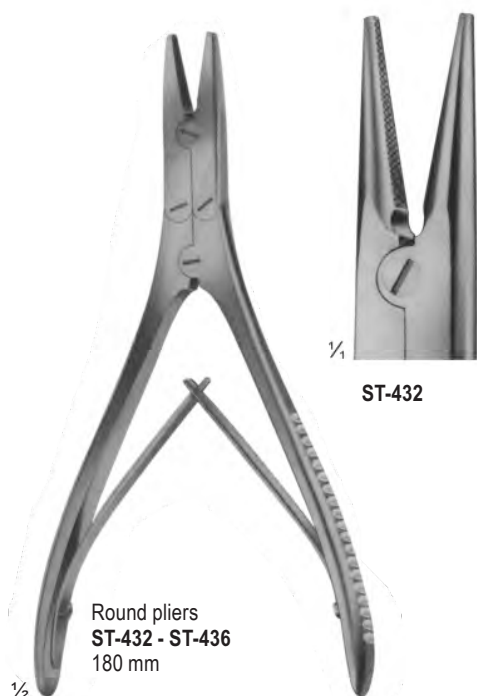
Extraction pliers
for boring wires
ST-428 - ST-429



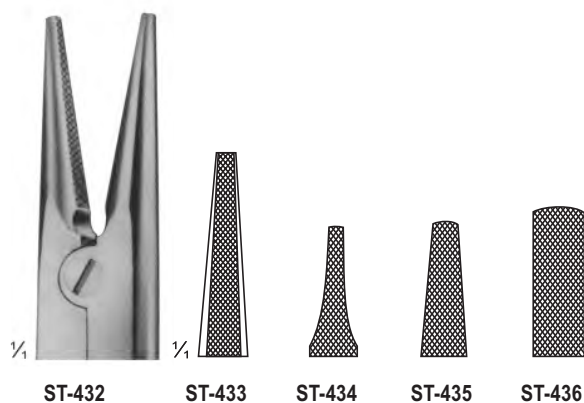
Flat-nosed pliers,
parallel
ST-430
185 mm



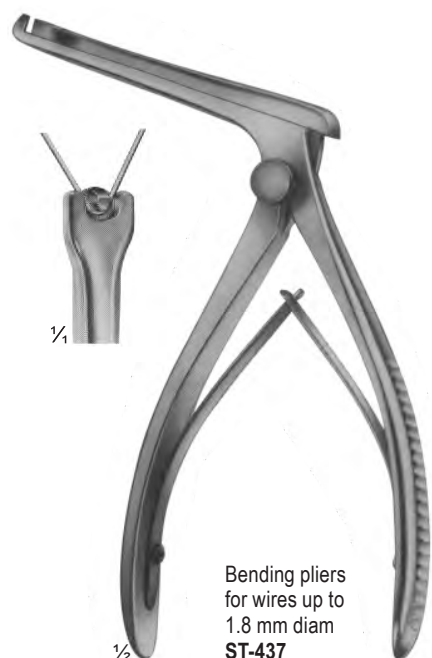
Vise grip
ST-431
200 mm



Round pliers
ST-432 - ST-436
180 mm



ST-433
ST-434 14.5 cm
ST-435 18 cm
ST-436 18 cm
Extraction pliers for wires

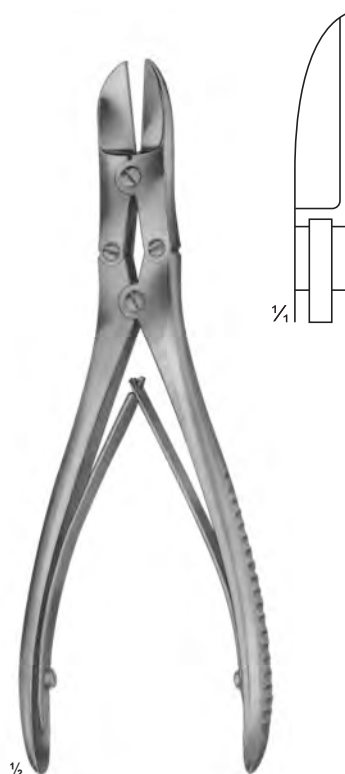


Bending pliers
for wires up to
1.8 mm diam
ST-437

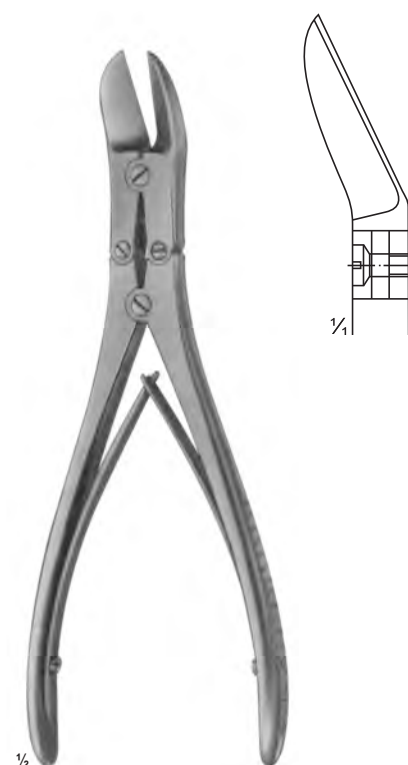
BONE CUTTING FORCEPS



BOHLER
ST-438
145 mm



RUSKIN-LISTON
ST-439
190 mm

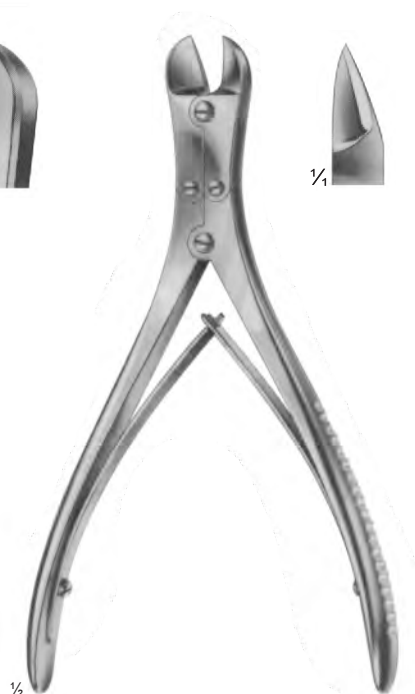


RUSKIN-LISTON
ST-440
190 mm



ST-441
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
ST-442
175 mm

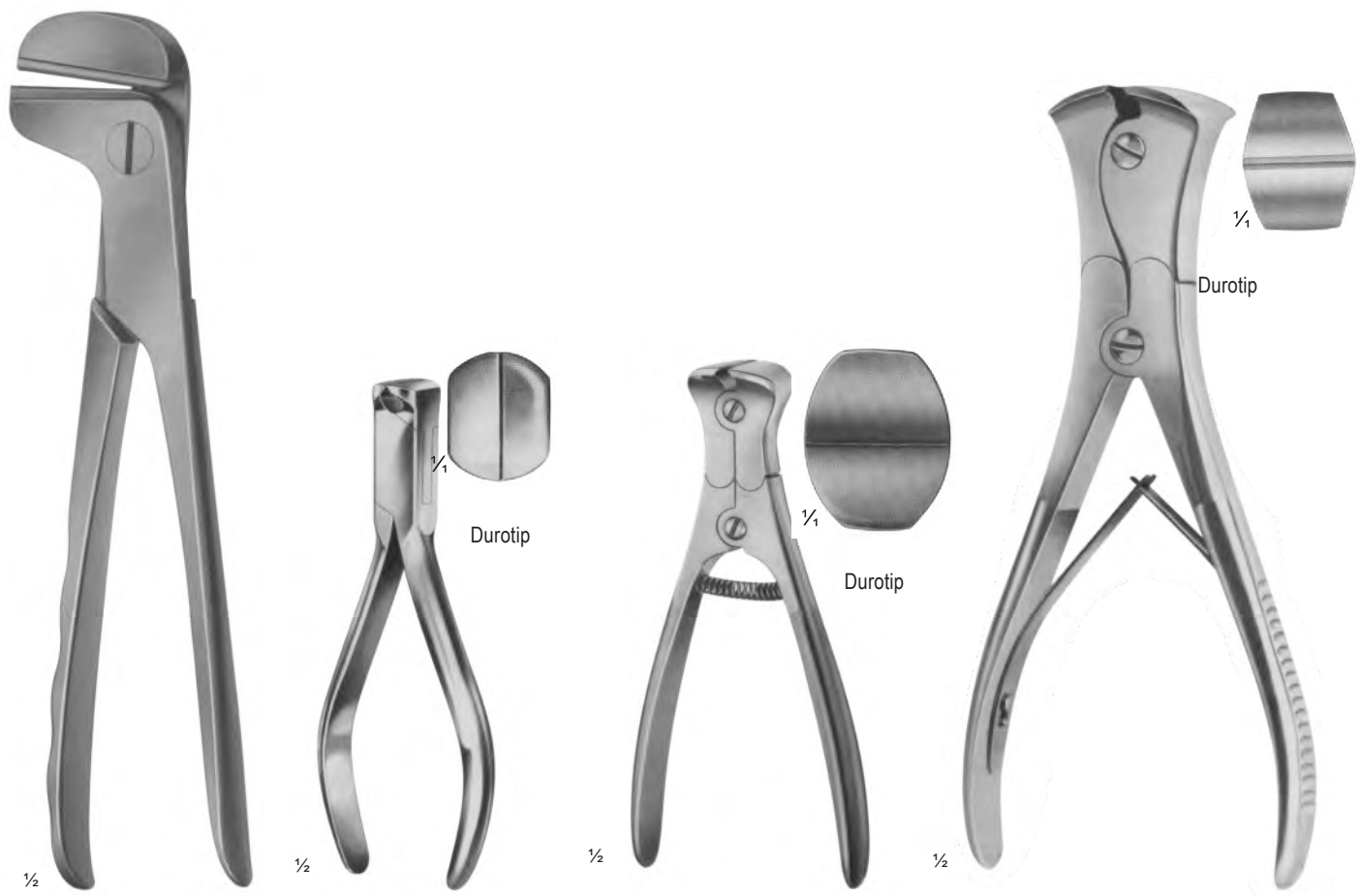
for soft wire
up to diam. 2,0 mm
For hard wire 1,6 mm
up to diam
specially hardened
cutting edges, for
cutting off wires close
to the bone



ST-443
235 mm

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

WIRE CUTTING PLIERS, LATERAL AND FRONT CUTTING ACTION



ST-444
240 mm

for soft wire
up to diam. 2 mm
For hard wire
up to diam 1.6 mm

ST-445
140 mm

for soft wire
up to diam. 1.5 mm
For hard wire
up to diam 1 mm

ST-446
145 mm

for soft wire
up to diam. 2 mm
For hard wire
up to diam 1.5 mm

ST-447
220 mm

for soft wire
up to diam. 3.5 mm
For hard wire
up to diam 2.5 mm



ST-448
320 mm

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

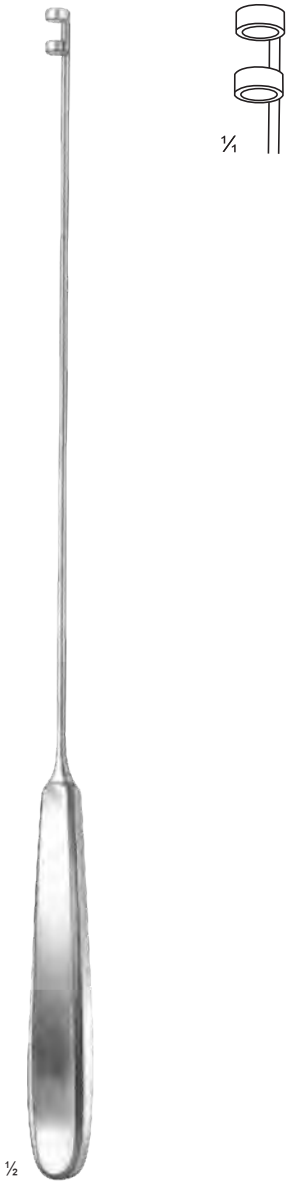
Cutter for cutting off
KIRSCHNER wires,
Tibia head screws,
bolts, pins, up to 3 mm diam.



Durotip

ST-449
Cutter for cutting off
KIRSCHNER wires,
Tibia head screws,
bolts, pins, up to 6 mm diam.
470 mm

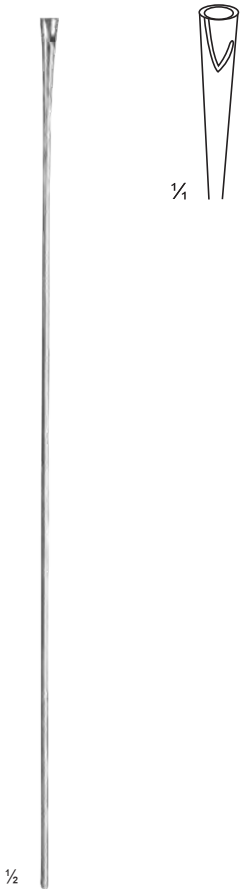
TENDON STRIPPERS



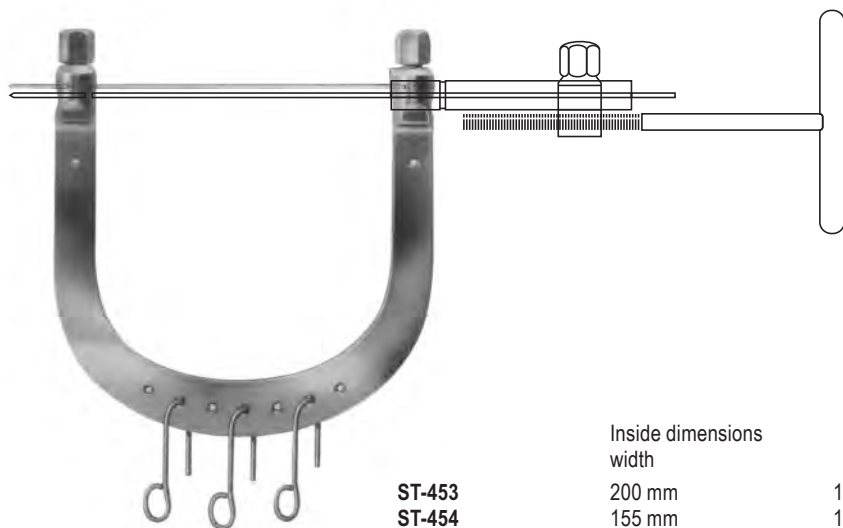
FISCHER
ST-450
310 mm
Blunt



ST-451
285 mm



BUNNELL
ST-452
230 mm
Tendon Passer



**KIRSCHNER
ST-453 - ST-459**
Wire traction bows,
to be used with
KIRSCHNER-wires
up to 2.5 mm diam.,
With 3 hooks,
stainless steel

ST-453
ST-454
ST-455
ST-456
ST-457
ST-458
ST-459

Inside dimensions
width

200 mm
155 mm
135 mm
120 mm
105 mm
95 mm
95 mm

Depth

155 mm
155 mm
130 mm
120 mm
100 mm
110 mm
70 mm



ST-460
Wrench, double - ended,
for wire traction bows



ST-461
Wire tightener, with
clamping jaws



ST-462
Traction hook only,
large size

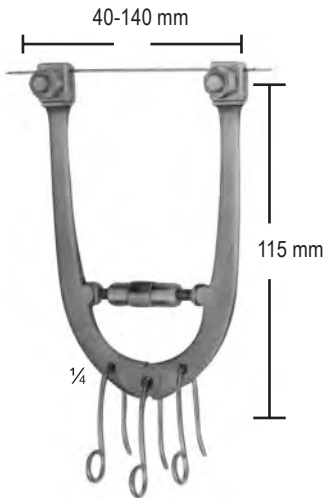


ST-463
Traction hook only,
small size

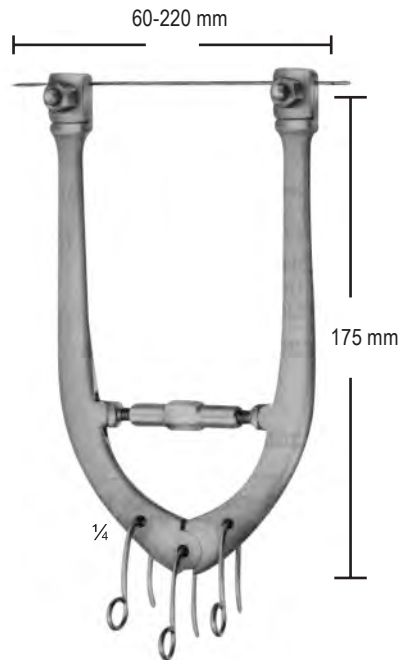


ST-464
Fixation clamp, to secure clamping
jaws of stainless steel

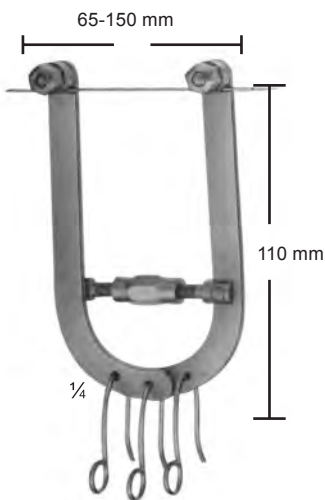
WIRE EXTENSION



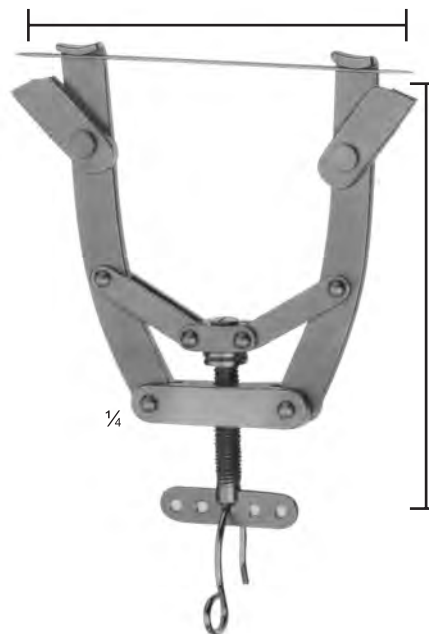
ST-465
Wire traction bow, adjustable,
with 3 hooks, small size



ST-466
Wire traction bow, adjustable,
with 3 hooks, large size



ST-467
Wire traction bow, adjustable,
with 3 hooks, large size for
elbow and calcaneus, for
adolescents



ST-470 10 cm
ST-471 16 cm
ST-472 20 cm

ST-473 1.6 mm
ST-474 2 mm
ST-475 2.5 mm

KIRSCHNER
ST-470 - ST-475
Wire traction bow, modified
adjustable in with width, holds wire
securely, with 1 hook



ST-468
Fixation disc, slotted



ST-469
idem, aluminum, transparent
to X-rays



ST-476
Fixation disc, slotted



ST-477
Screw driver, for above
fixations discs

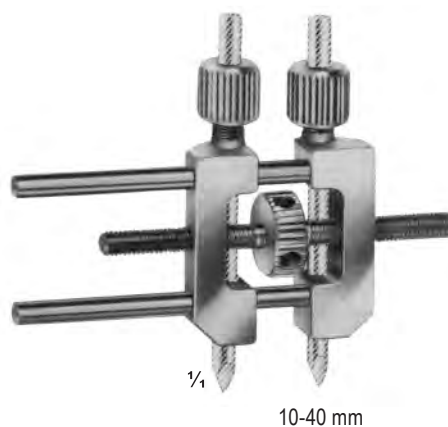


ST-478 - ST-485
Screw driver, for above
fixations discs

Steinmann pins, 4 mm diam.	Steinmann pins, 5 mm diam.
ST-478 with pin	16x9cm Arm
ST-479 without pin	ST-480-00 without
ST-481 with pin	21x11cm Arm
ST-482 without pin	ST-483 without
ST-484 with pin	21x15cm Arm
ST-485 without pin	



ST-486
SCHWARZ
Traction bow for fingers,
to be used with KIRSCHNER-
wire up to 1.6 mm diam.



ST-487
Small distractor
as a repositioning device for
distraction and compression of small bones,
for wires with 3 mm diam.

STEINMANN PINS



STEINMANN
ST-488 - ST-500
triangular shaft ended
and trocar point

Length	4 mm	5 mm
80 mm	ST-488	
100 mm	ST-489	
120 mm	ST-490	
140 mm	ST-491	
150 mm	ST-492	ST-493
160 mm	ST-494	
180 mm	ST-495	ST-496
200 mm	ST-497	ST-498
210 mm	ST-499	
250 mm	ST-500	ST-501
300 mm		ST-502



ST-503
Protection cap
for 4 mm STEINMANN Pins



ST-504
Protection cap
for 5 mm STEINMANN Pins



**REILL
ST-505**
Drilling chuck,
cannulated,
for shanks from
2.0 - 2.5 mm diam
115 mm



ST-506
Drilling chuck,
cannulated,
for shanks from
0.8 - 2.0 mm diam
150 mm



ST-507
Drilling chuck,
cannulated,
for shanks up to
4.5 mm diam
with key
140 mm



**LOUTE
ST-508**
Wire tightener, improved pattern,
with movable tip,
for wires up to 1.0 mm diam.
220 mm



ST-509
Drilling chuck, cannulated,
for shanks up to 6.35 mm diam.,
To be tightened by hand
100 mm

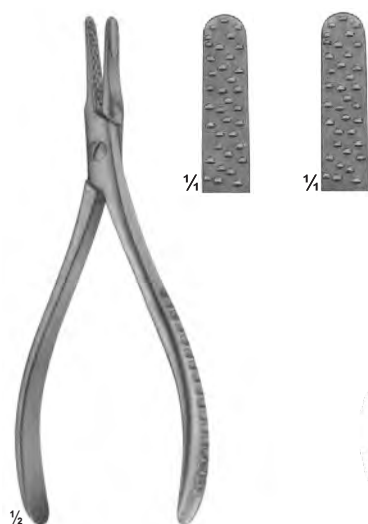


ST-510
Drilling chuck, cannulated,
for shanks up to 4.5 mm diam.,
And for triangular shaft width
across flats 4.7 mm



ST-511
Drilling chuck, cannulated,
for shanks up to 6.35 mm diam.,
With key
160 mm

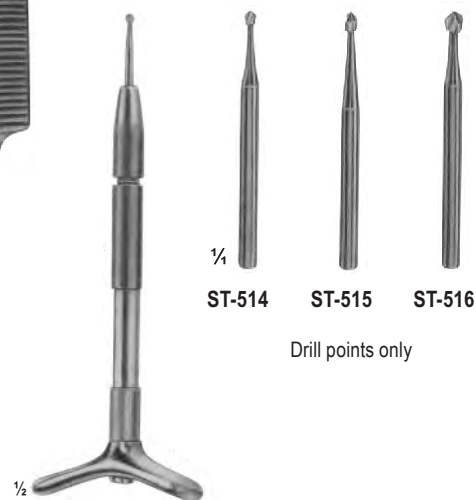
FINGER NAIL INSTRUMENTS



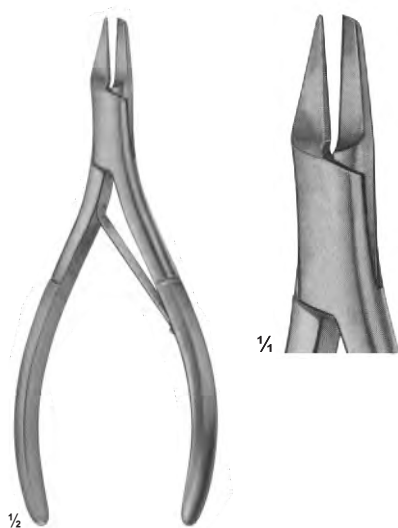
ST-512
Nail extracting
forceps
135 mm



ST-513
Nail extracting
forceps
145 mm



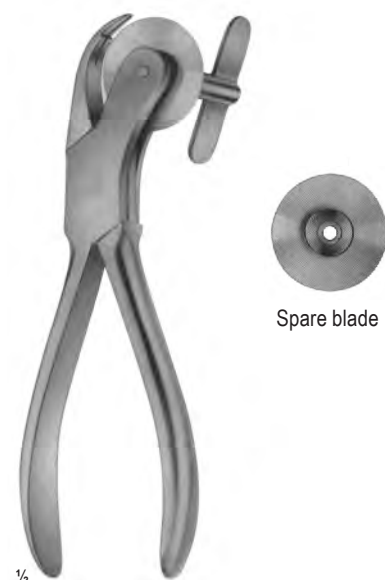
MARTIN-IDEAL
ST-514 - ST-516
Finger nail drill
with 3 points



ST-517
Nail splitting
forceps
135 mm



SYSTRUNK
ST-518
Scissors, for splitting
finger nails
130 mm



ST-519
Finger ring saw
150 mm



**DUROGRIP
ST-520**
Holding forceps for cerclage
wire, with lateral jaws to avoid
wire slipping off
170 mm



**DUROGRIP
ST-521**
Wire, tightening pliers,
Ligature pliers
150 mm



**DUROGRIP
ST-522**
Wire, tightening pliers,
Ligature pliers
150 mm



ST-523
with serrated jaws
140 mm



ST-524
one jaws smooth,
one jaws serrated
140 mm



ST-525
with serrated jaws
ST-526
with longitudinal and
transversal grooves
170 mm



ST-527
190 mm

WIRE CUTTING PLIERS



Durotip

ST-528

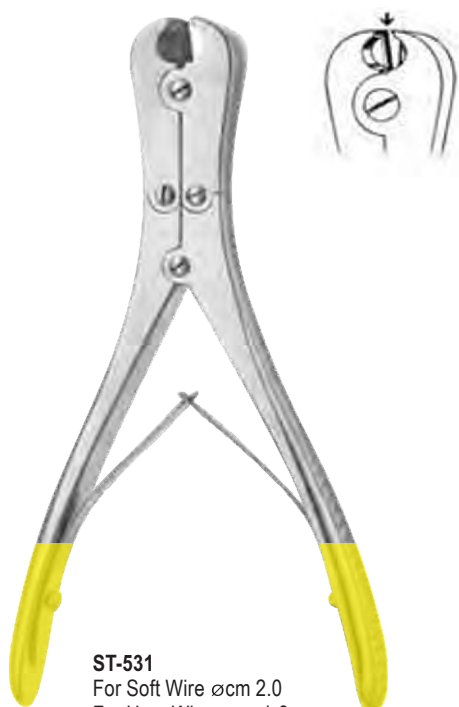
Cutter for cutting off
KIRSCHNER wires,
Tibia head screws,
bolts, pins, up to 6 mm diam.
47 cm



ST-529
For Soft Wire \varnothing cm 3.5
For Hars Wire \varnothing cm 2.5
22 cm



ST-530
For Soft Wire \varnothing cm 2.0
For Hars Wire \varnothing cm 1.5
22 cm

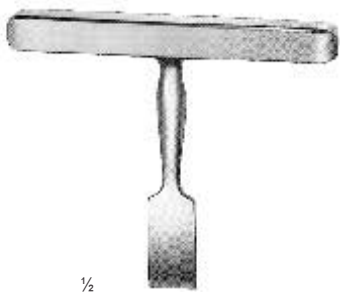


ST-531
For Soft Wire \varnothing cm 2.0
For Hars Wire \varnothing cm 1.6
18 cm



ST-532
17 cm

BONE CHISELS, GOUGES

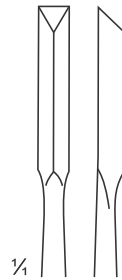


1/2

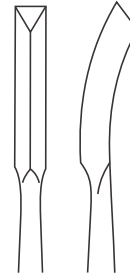
Virchow
ST-533
7.5 cm
Skull breaker



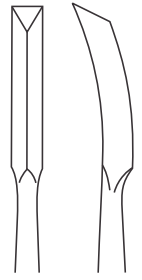
Gardner
ST-534 - 536
17 cm
Triangular shape



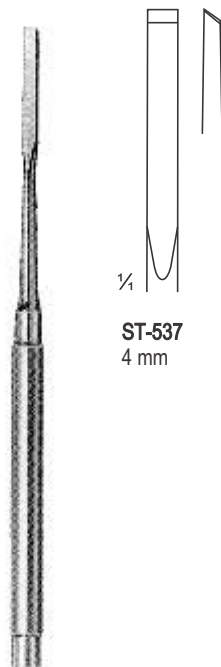
ST-534
4 mm



ST-535
4 mm



ST-536
4 mm



ST-537
4 mm



ST-538
4 mm



ST-539
3 mm



ST-540
5 mm

ST-537 - 538
17 cm

Snyder-O.S.U
ST-539 - 540
17 cm



ST-541
4 mm



ST-547
4 mm



ST-542
6 mm



ST-548
6 mm



ST-543
8 mm



ST-549
8 mm



ST-544
10 mm



ST-550
10 mm



ST-545
12 mm



ST-551
12 mm



ST-546
14 mm



ST-552
14 mm

1/2



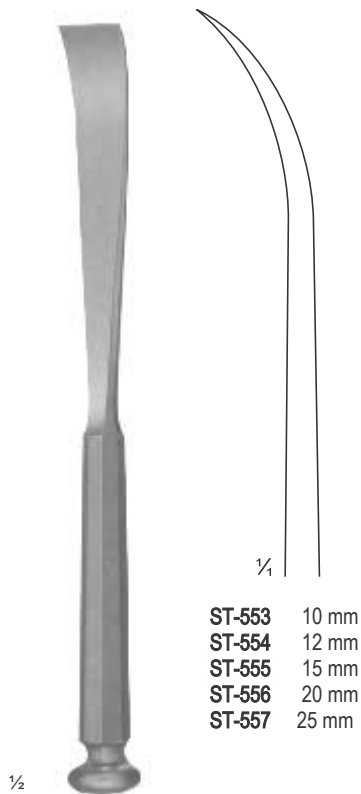
Alexander
ST-541 - 546
17.5 cm
Solid

1/2

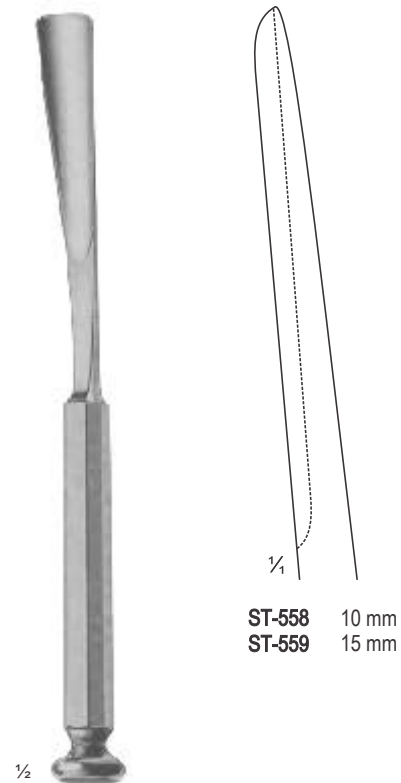


Alexander
ST-547 - 552
17.5 cm
Solid

OSTEOTOMES, CHISELS, GOUGES



Stille
ST-553 - 557
Osteotomes, curved
20.5 cm



Walter
ST-558 - 559
Gouges for taking
grafts from the rib
20.5 cm




 $\frac{1}{2}$

Miller-Colburn
ST-564 - 568
Downwards cutting

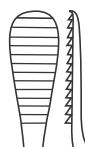


Fig. 1
ST-564
18 cm

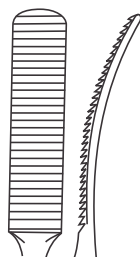


Fig. 2
ST-565
18 cm

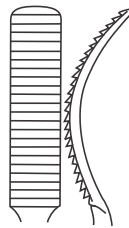


Fig. 3
ST-566
18 cm

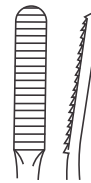


Fig. 4
ST-567
18 cm

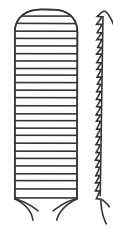
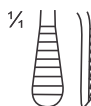
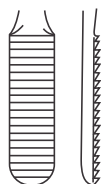


Fig. 5
ST-568
18 cm


 $\frac{1}{4}$

 $\frac{1}{2}$

Miller-Colburn
ST-569 - 572
Cross cut

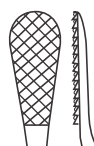


Fig. 1
ST-569
18 cm

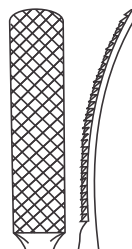


Fig. 2
ST-570
18 cm

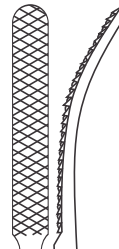
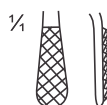
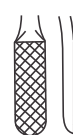
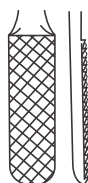


Fig. 3
ST-571
18 cm

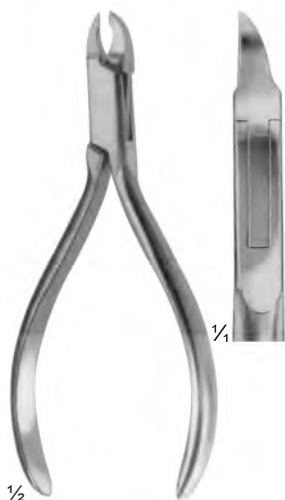


Fig. 4
ST-572
18 cm


 $\frac{1}{4}$


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○ Plaster Instruments

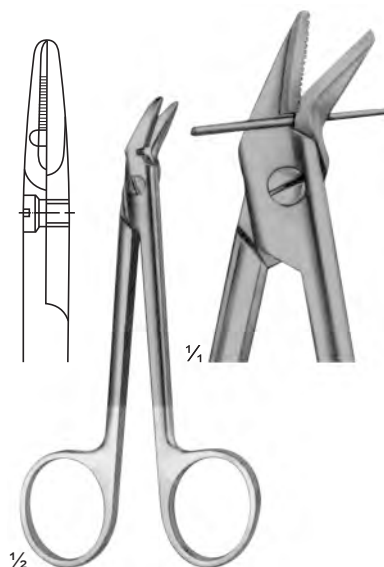


TU-001
ANGLE
130 mm

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

TU-002
DUROTIP
ANGLE
130 mm

0,5 mm 0,6 mm
0,3 mm 0,4 mm

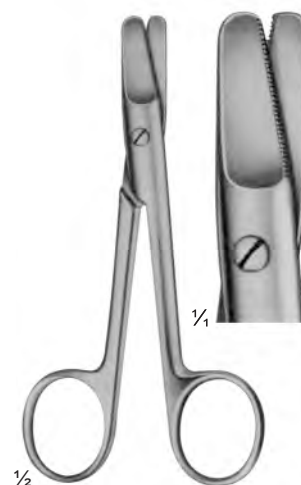


TU-003
120 mm

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

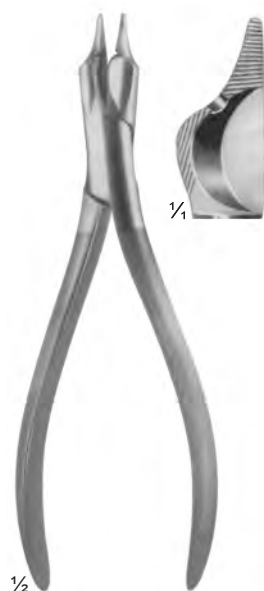
TU-004
DUROTIP
120 mm

1,2 mm 1,2 mm
0,8 mm 0,8 mm



TU-005
HARVEY
125 mm

0,4 mm
0,3 mm



TU-006
150 mm

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

1,5 mm
1,0 mm



TU-007
160 mm

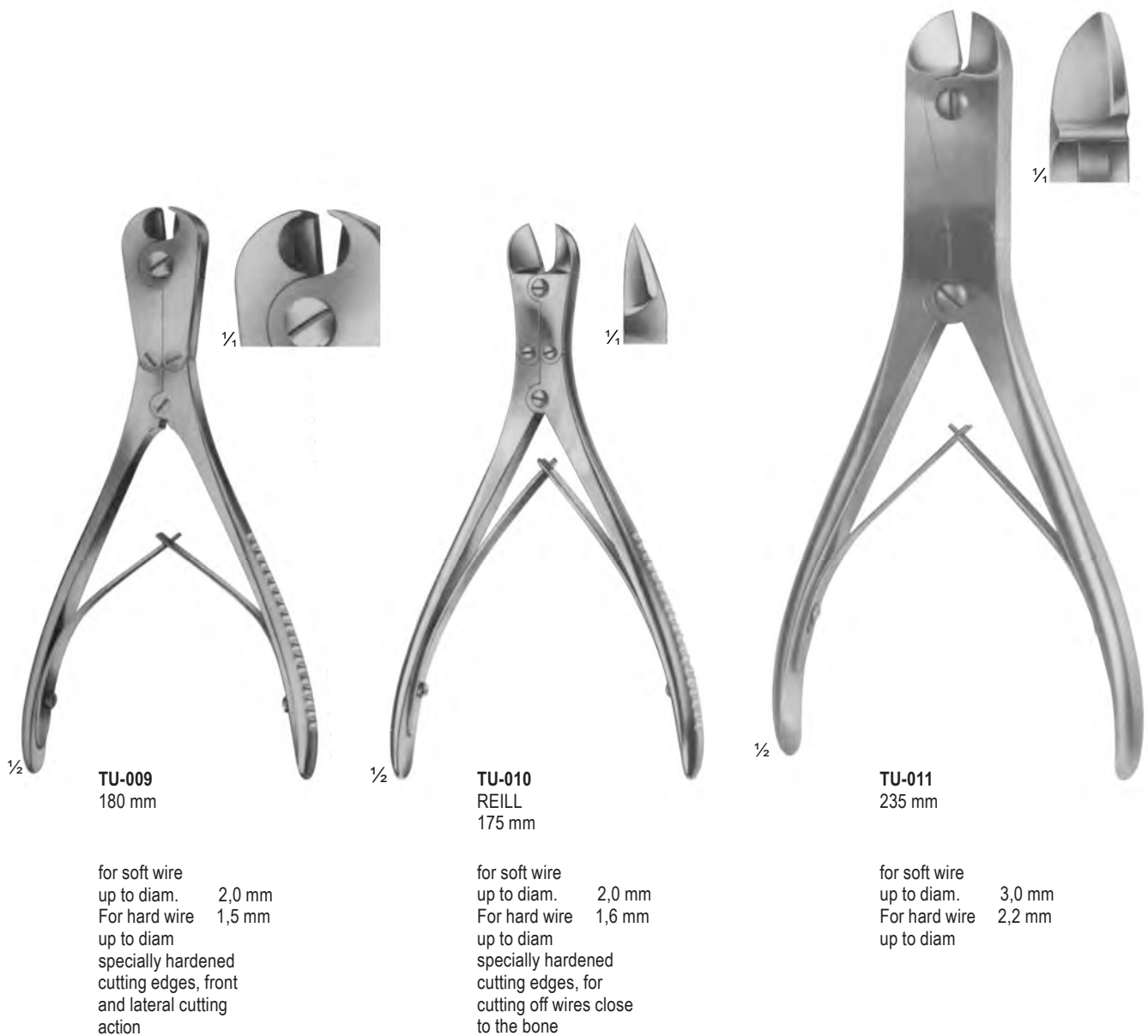
1,5 mm
1,2 mm



TU-008
140 mm

1,5 mm
1,0 mm

WIRE CUTTING PLIERS, LATERAL CUTTING ACTION





KILLIAN
TU-012
200 mm



TU-013 - 014
TU-013 195 mm
TU-014 225 mm



LEBSCHÉ
TU-015
Sternum chisel
200 mm



TU-016
230 mm

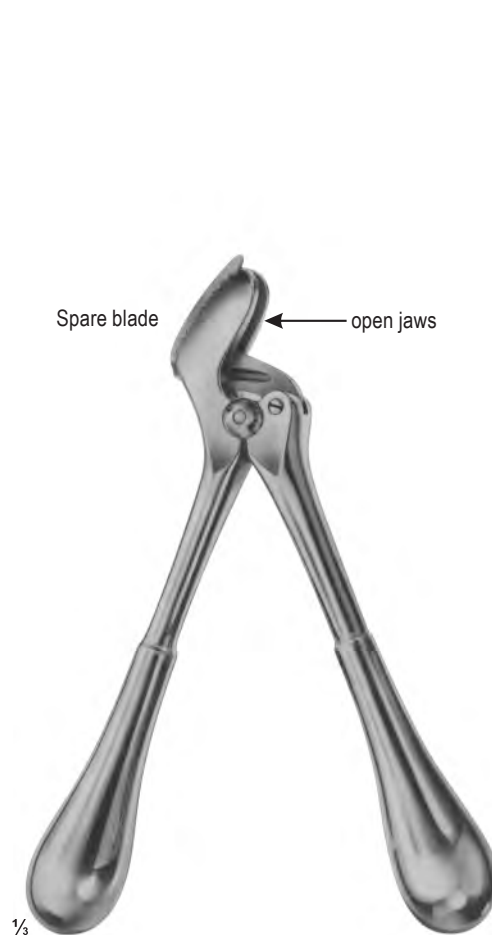


COLLIN
TU-017
195 mm



GLUCK
TU-018
190 mm

PLASTER SHEARS



TU-019
STILLE-AESULAP
260 mm



TU-020
STILLE-AESULAP
360 mm

Blade with reinforced back



TU-021
STILLE
230 mm

TU-022
Spare blade



TU-023
STILLE
370 mm

TU-024
Spare blade



TU-025
STILLE
240 mm

TU-026
Spare blade

PLASTER SPREADER, PLASTER BREAKERS



BEESON
TU-027
30 cm



MOD.USA
TU-028
23 cm



HAGLUND-STILLE
TU-029
20 cm



TU-030
29 cm



WOLFF
TU-031
10 cm



WOLFF
TU-032
24 cm

Page 491–523

- NeuroSurgery
- Laminectomy



WAGENER
UV-001 - 004
150 mm



UV-001



UV-002



UV-003



UV-004



GRAEFE
UV-005 - 007
140 mm



UV-005



UV-006



UV-007



BROM
UV-008
Vein hook
170 mm



UV-008



CRILE
UV-009
200 mm



UV-009



CUSHING
UV-010- 011
190 mm



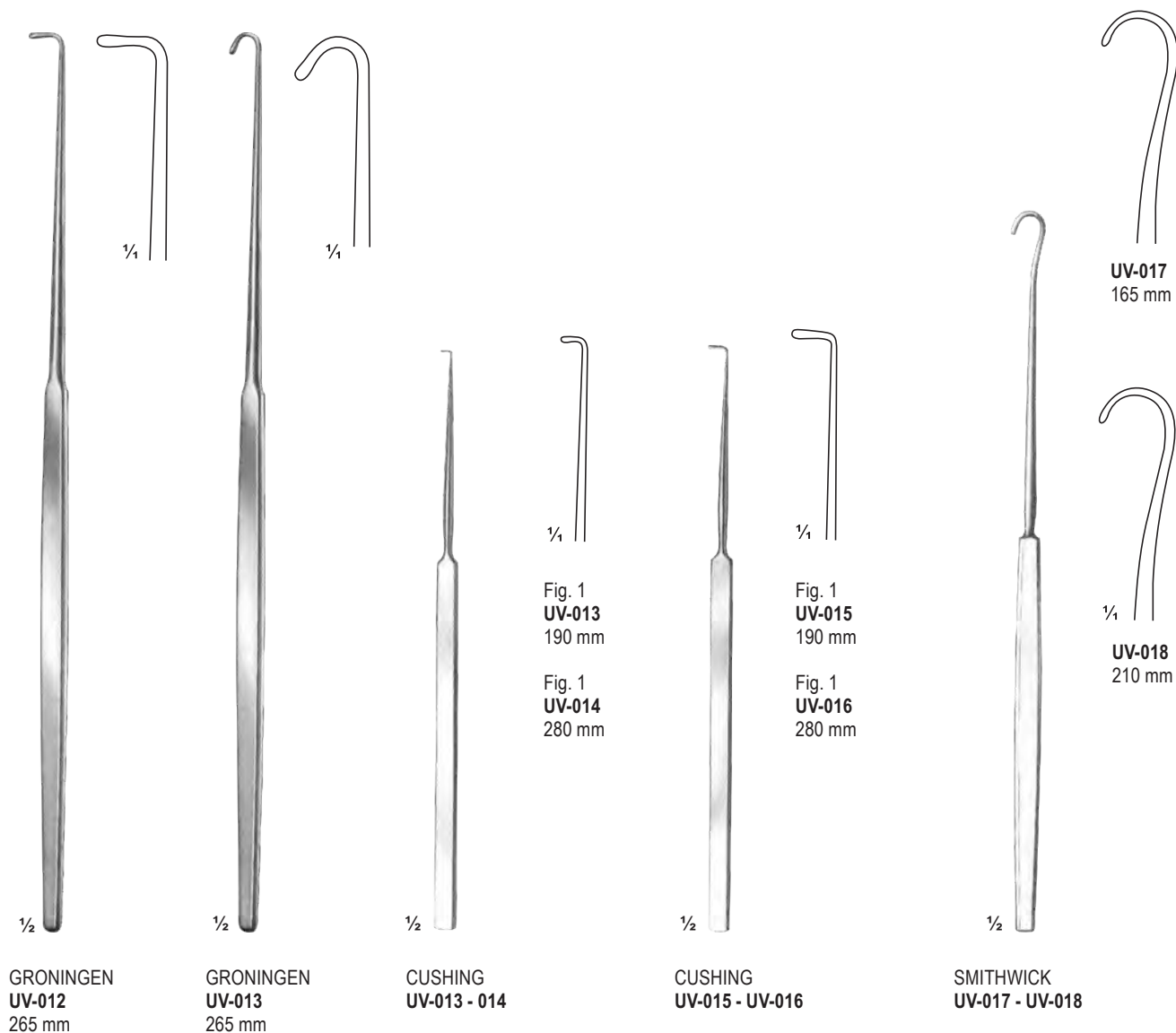
UV-010

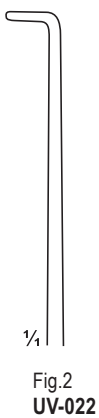
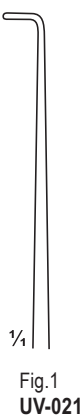
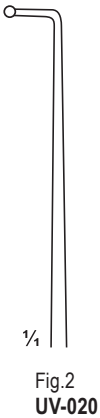
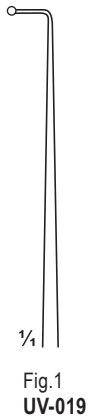


UV-011



NERVE HOOKS







DURA HOOKS



UV-027 - 033



Fig.1
UV-027



Fig.2
UV-028

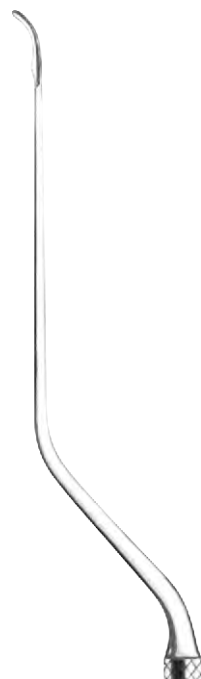


Fig.3
UV-029

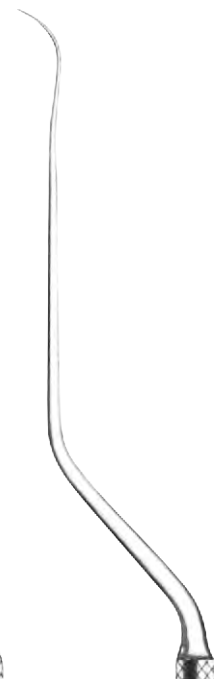


Fig.4
UV-030



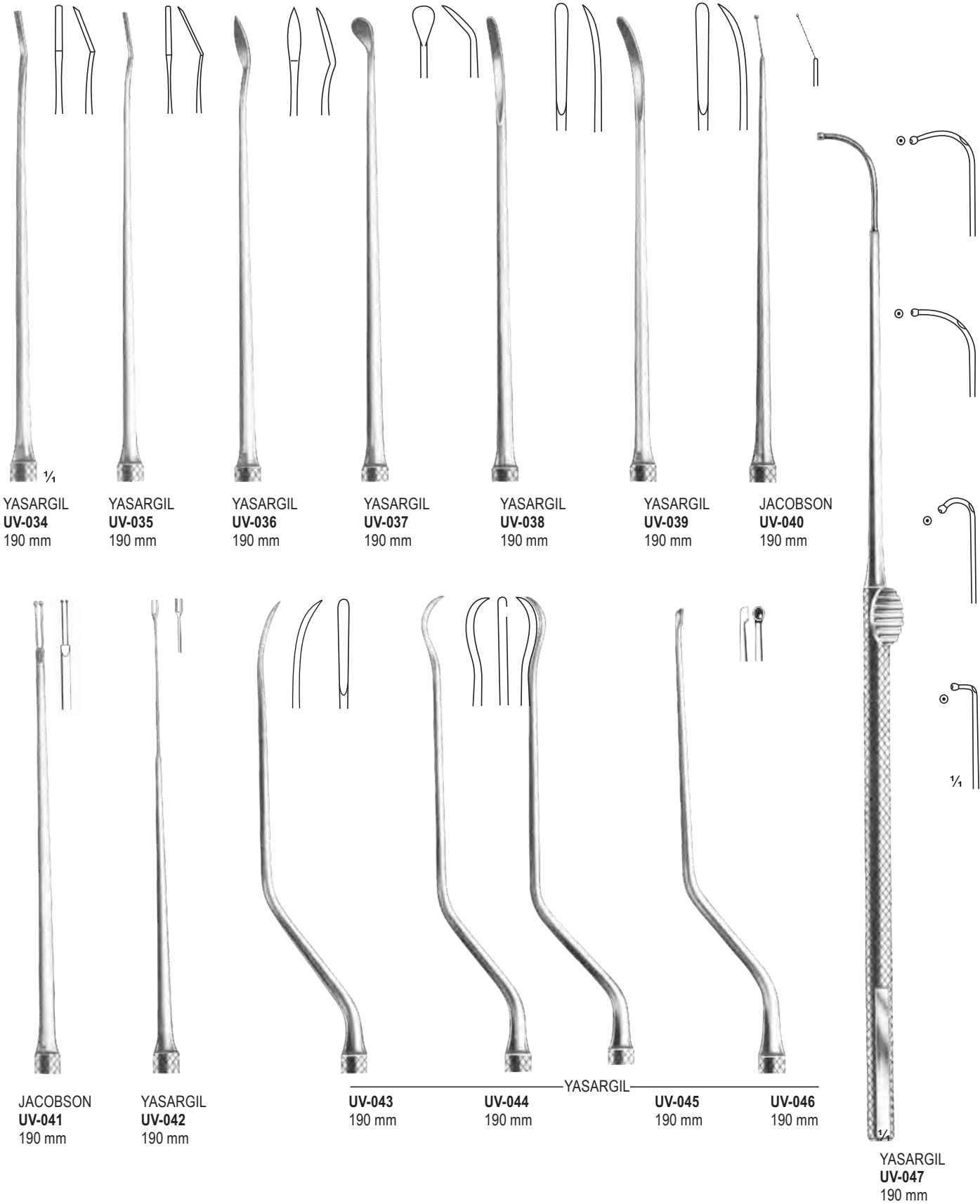
Fig.5
UV-031



Fig.6
UV-032



Fig.7
UV-033





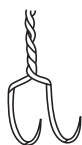
DURA DISSECTORS



YASARGIL
UV-048 - 049
Galea Hook



UV-048
300 mm



$\frac{1}{4}$
UV-049
410 mm



TOENNIS
UV-050
240 mm



OLIVECRONA
UV-051
240 mm





HESS
Nerve Root Retractor
UV-052 - 054
UV-052 175 mm 3 mm
UV-053 175 mm 5 mm
UV-054 175 mm 7 mm



LOVE
Nerve Root Retractor
UV-055 - 057
UV-055 190 mm 30°
UV-056 190 mm 45°
UV-057 190 mm 90°



CASPAR
Nerve Root Retractor
UV-058 - 060
UV-058 245 mm 6 mm
UV-059 245 mm 8 mm
UV-060 245 mm 10 mm

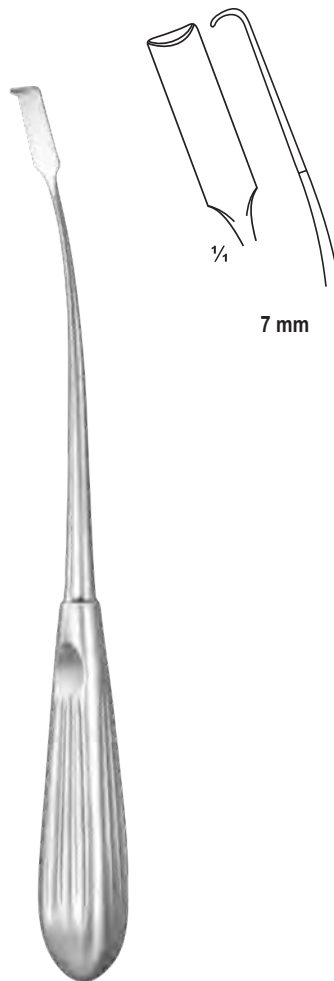


LOVE
UV-061
210 mm

NERVE ROOT RETRACTORS



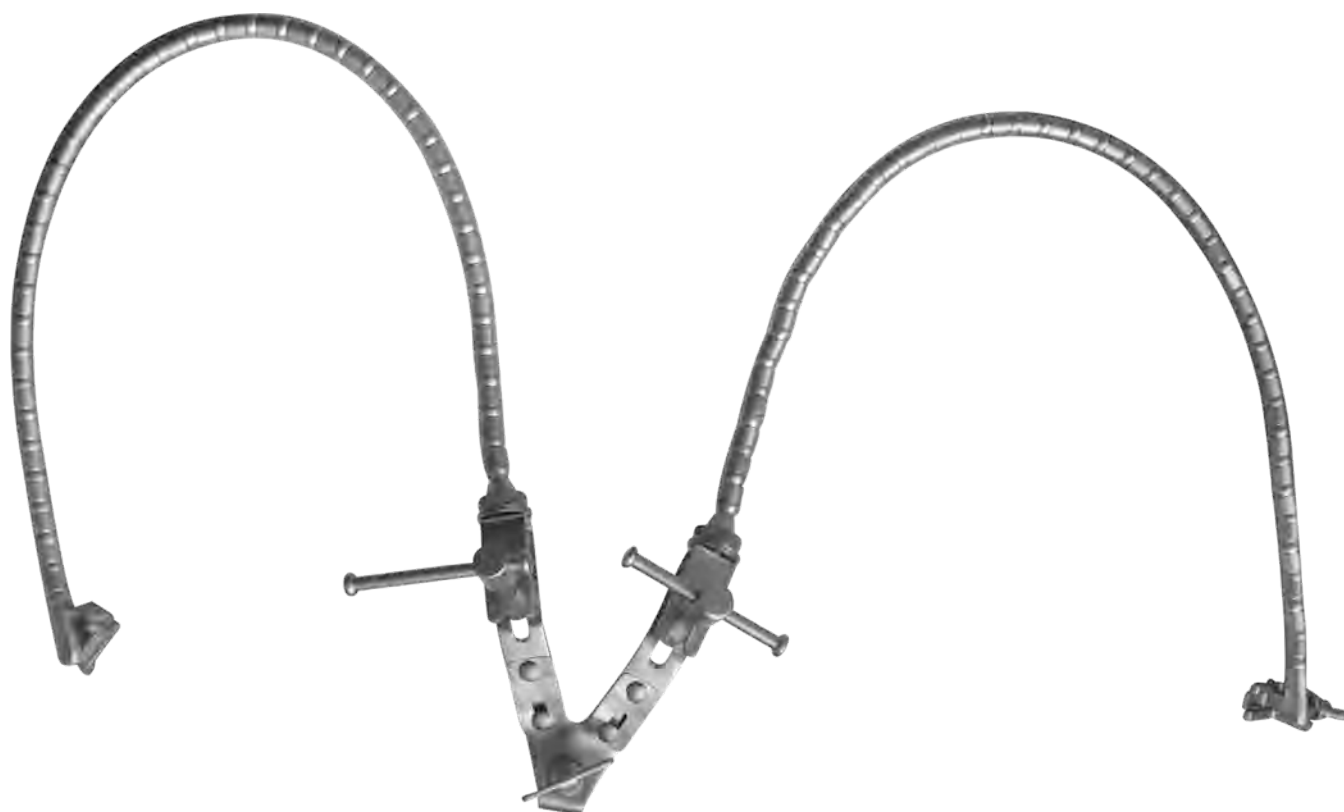
SCOVILLE
UV-062
235 mm



HOLSHER
UV-063
240 mm



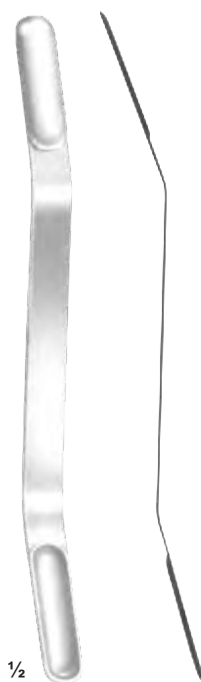
SCOVILLE
UV-064
165 mm



LEYLA
UV-065
Self-Retaining brain retractor
with 2 arms complete

LEYLA BED RETRACTOR
UV-066
Self-Retaining brain retractor
bed retractor not illustrated

BRAIN SPATULAS



1/2

OLIVECRONA
UV-067 - 070
180 mm
Concave

UV-067 7 + 9 mm
UV-068 11 + 13 mm
UV-069 15 + 18 mm
UV-070 18 + 22 mm



1/2

UV-071
15.5 cm
11 mm

UV-072
20 cm
14 mm

UV-073
20 cm
17 mm

UV-074
20 cm
20 mm

HEIFETZ
UV-071 - 074



1/2

OLIVECRONA
UV-075 - 078
180 mm
Convex

UV-075 7 + 9 mm
UV-076 11 + 13 mm
UV-077 15 + 18 mm
UV-078 18 + 22 mm



1/2

UV-079
8 mm

UV-080
14 mm

UV-081
17 mm

HEIFETZ
UV-079 - 081
155 mm



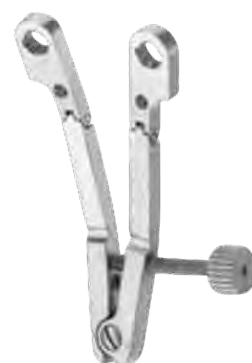
**CASPAR
UV-082**
Transverse Retractor hinged
65 mm regular spread
110 mm wide spread



**CASPAR
UV-083**
Transverse Retractor double-hinged
65 mm spread



**CASPAR
UV-084**
Longitudinal Retractor
double-hinged, ring handle
205 mm
85 mm spread



**CASPAR
UV-085**
Specula Retractor single-hinged,
115 mm
70mm regular spread



UV-086 - 094
UV-087 23 x 35 mm
UV-088 23 x 40 mm
UV-089 23 x 45 mm
UV-090 23 x 50 mm
UV-091 23 x 55 mm
UV-092 23 x 60 mm
UV-093 23 x 65 mm
UV-094 23 x 70 mm
Medial Toothed Blades
Stainless Steel



UV-095 - 099
UV-095 15 x 40 mm
UV-096 15 x 45 mm
UV-097 15 x 50 mm
UV-098 15 x 55 mm
UV-099 15 x 60 mm
Small Lateral Blades
Stainless Steel



UV-100 - 106
UV-100 23 x 40 mm
UV-101 23 x 45 mm
UV-102 23 x 50 mm
UV-103 23 x 55 mm
UV-104 23 x 60 mm
UV-105 23 x 65 mm
UV-106 23 x 70 mm
Lateral Serrated Blades
Stainless Steel



Cervical Blades
Stainless Steel – fenestrated
UV-107 - 108
UV-107 25 x 50 mm
UV-108 25 x 60 mm



UV-109 - 117
UV-109 23 x 35 mm
UV-110 23 x 40 mm
UV-111 23 x 45 mm
UV-112 23 x 50 mm
UV-113 23 x 55 mm
UV-114 23 x 60 mm
UV-115 23 x 65 mm
UV-116 23 x 70 mm
UV-117 23 x 75 mm
Blunt Blades
Stainless Steel



UV-118 - 122
UV-118 23 x 40 mm
UV-119 23 x 45 mm
UV-120 23 x 50 mm
UV-121 23 x 55 mm
UV-122 23 x 60 mm
Medial Toothed Blades
Aluminium – rotatating



UV-123 - 127
UV-123 23 x 40 mm
UV-124 23 x 45 mm
UV-125 23 x 50 mm
UV-126 23 x 55 mm
UV-127 23 x 60 mm
Lateral Serrated Blades
Aluminium – rotatating

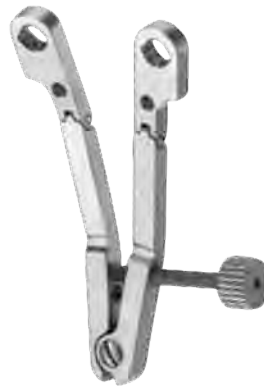


UV-128 - 132
UV-128 23 x 45 mm
UV-129 23 x 50 mm
UV-130 3 x 55 mm
UV-131 23 x 60 mm
UV-132 23 x 65 mm
Blunt Blades
Aluminium – rotatating

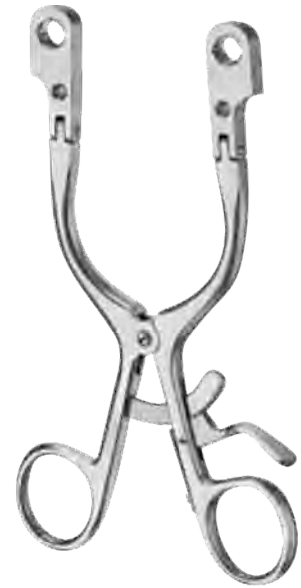
RETRACTORS FOR CERVICAL VERTEBRAL COLUMN



CASPAR
UV-133
Transverse Retractor hinged
65 mm spread



CASPAR
UV-134
Specula Retractor single-hinged
115 mm,
70 mm spread



CASPAR
UV-135
Longitudinal Retractor
single-hinged ring handle
175 mm
70 mm spread



UV-136 - 143
UV-136 20 x 40 mm
UV-137 20 x 45 mm
UV-138 20 x 50 mm
UV-139 20 x 55 mm
UV-140 20 x 60 mm
UV-141 20 x 65 mm
UV-142 20 x 70 mm
UV-143 20 x 75 mm
Medial Toothed Blades



UV-144 - 154
UV-144 20 x 25 mm
UV-145 20 x 30 mm
UV-146 20 x 35 mm
UV-147 20 x 40 mm
UV-148 20 x 45 mm
UV-149 20 x 50 mm
UV-150 20 x 55 mm
UV-151 20 x 60 mm
UV-152 20 x 65 mm
UV-153 20 x 70 mm
UV-154 20 x 75 mm
Lateral Serrated Blades



UV-155 - 164
UV-155 20 x 30 mm
UV-156 20 x 35 mm
UV-157 20 x 40 mm
UV-158 20 x 45 mm
UV-159 20 x 50 mm
UV-160 20 x 55 mm
UV-161 20 x 60 mm
UV-162 20 x 65 mm
UV-163 20 x 70 mm
UV-164 20 x 75 mm
Blunt Blades



UV-165 - 172
UV-165 20 x 35 mm
UV-166 20 x 40 mm
UV-167 20 x 45 mm
UV-168 20 x 50 mm
UV-169 20 x 55 mm
UV-170 20 x 60 mm
UV-171 20 x 65 mm
UV-172 20 x 70 mm
Medial Toothed Blades
fenestrated



UV-173 - 182
UV-173 20 x 25 mm
UV-174 20 x 30 mm
UV-175 20 x 35 mm
UV-176 20 x 40 mm
UV-177 20 x 45 mm
UV-178 20 x 50 mm
UV-179 20 x 55 mm
UV-180 20 x 60 mm
UV-181 20 x 65 mm
UV-182 20 x 70 mm
Lateral Serrated Blades
Fenestrated



UV-183 - 191
UV-183 20 x 35 mm
UV-184 20 x 40 mm
UV-185 20 x 45 mm
UV-186 20 x 50 mm
UV-187 20 x 55 mm
UV-188 20 x 60 mm
UV-189 20 x 65 mm
UV-190 20 x 70 mm
UV-191 20 x 75 mm
Blunt Blades Fenestrated



CASPAR
UV-192
Transverse Retractor hinged
60 mm spread



CASPAR
UV-193
Transverse Retractor double-hinged
65 mm spread



CASPAR
UV-194
Longitudinal Retractor
single-hinged ring handle
175 mm
70 mm spread



CASPAR
UV-195
Longitudinal Retractor
single-hinged ring handle
175 mm
70 mm spread

RETRACTORS FOR CERVICAL VERTEBRAL COLUMN



UV-196 - 202
UV-196 12 x 40 mm
UV-197 12 x 45 mm
UV-198 12 x 50 mm
UV-199 12 x 55 mm
UV-200 12 x 60 mm
UV-201 12 x 65 mm
UV-202 12 x 75 mm
 Small Lateral Serrated
 Blades PEEK



UV-203 - 209
UV-203 23 x 40 mm
UV-204 23 x 45 mm
UV-205 23 x 50 mm
UV-206 23 x 55 mm
UV-207 23 x 60 mm
UV-208 23 x 65 mm
UV-209 23 x 75 mm
 Lateral Serrated Blades
 PEEK



UV-210 - 216
UV-210 23 x 40 mm
UV-211 23 x 45 mm
UV-212 23 x 50 mm
UV-213 23 x 55 mm
UV-214 23 x 60 mm
UV-215 23 x 65 mm
UV-216 23 x 75 mm
 Blunt Blades PEEK



UV-217 - 223
UV-217 23 x 40 mm
UV-218 23 x 45 mm
UV-219 23 x 50 mm
UV-220 23 x 55 mm
UV-221 23 x 60 mm
UV-222 23 x 65 mm
UV-223 23 x 75 mm
 Medial Toothed Blades
 PEEK



UV-224 - 230
UV-224 23 x 40 mm
UV-225 23 x 45 mm
UV-226 23 x 50 mm
UV-227 23 x 55 mm
UV-228 23 x 60 mm
UV-229 23 x 65 mm
UV-230 23 x 75 mm
 Lateral Serrated Blades
 PEEK – rotating



UV-231 - 237
UV-231 23 x 40 mm
UV-232 23 x 45 mm
UV-233 23 x 50 mm
UV-234 23 x 55 mm
UV-235 23 x 60 mm
UV-236 23 x 65 mm
UV-237 23 x 75 mm
 Blunt Blades
 PEEK – rotating



CASPAR
UV-238
Transverse Retractor double-hinged
quick connect 72 mm spread, side-loading



CASPAR
UV-239
Longitudinal Retractor double-hinged,
ring handle, quick connect
185 mm
75 mm spread, side-loading



CASPAR
UV-240
Specula Retractor single-hinged,
quick connect
115 mm
70 mm spread, side-loading



CASPAR
UV-241
Quick Connect Blade
Positioner Handle
210 mm
for quick connect
blades only



UV-242 - 246
UV-242 23 x 40 mm
UV-243 23 x 45 mm
UV-244 23 x 50 mm
UV-245 23 x 55 mm
UV-246 23 x 60 mm
Medial Toothed Blades
Stainless Steel
quick connect



UV-247 - 251
UV-247 23 x 40 mm
UV-248 23 x 45 mm
UV-249 23 x 50 mm
UV-250 23 x 55 mm
UV-251 23 x 60 mm
Lateral Serrated Blades
Stainless Steel
quick connect



UV-252 - 256
UV-252 23 x 45 mm
UV-253 23 x 50 mm
UV-254 23 x 55 mm
UV-255 23 x 60 mm
UV-256 23 x 65 mm
Blunt Blades
Stainless Steel
quick connect



UV-257 - 261
UV-257 23 x 40 mm
UV-258 23 x 45 mm
UV-259 23 x 50 mm
UV-260 23 x 55 mm
UV-261 23 x 60 mm
Medial Toothed Blades
Titanium
quick connect

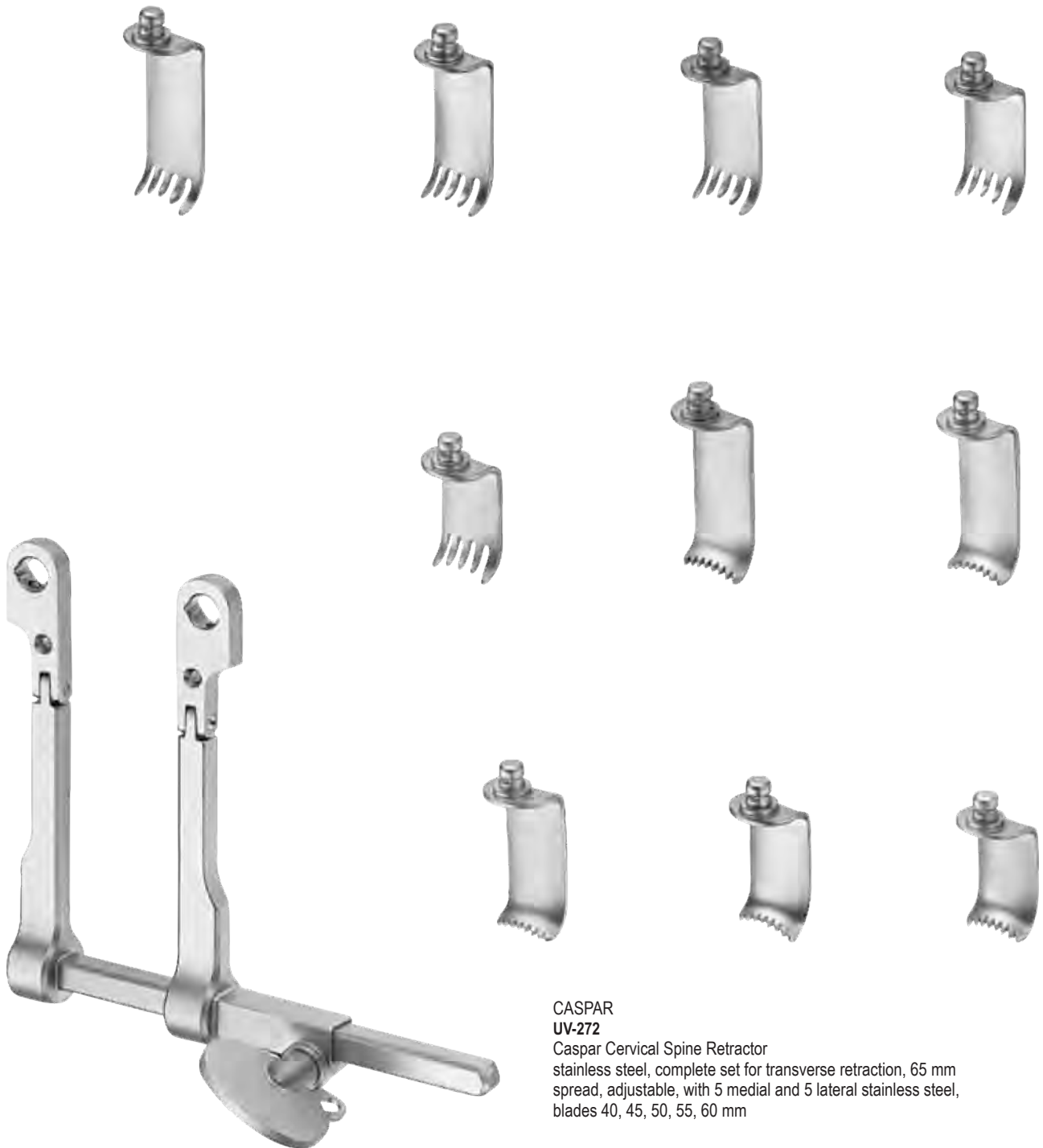


UV-262 - 266
UV-262 23 x 40 mm
UV-263 23 x 45 mm
UV-264 23 x 50 mm
UV-265 23 x 55 mm
UV-266 23 x 60 mm
Lateral Serrated Blades
Titanium
quick connect



UV-267 - UV-271
UV-267 23 x 45 mm
UV-268 23 x 50 mm
UV-269 23 x 55 mm
UV-270 23 x 60 mm
UV-271 23 x 65 mm
Blunt Blades
Titanium
quick connect

RETRACTORS FOR CERVICAL VERTEBRAL COLUMN



CASPAR

UV-272

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

UV-273

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
UV-274
Caspar Microdiscectomy Retractor
for microsurgical treatment of
herniated lumbar discs
45 mm spread



UV-275 - 283
UV-275 35 mm
UV-276 40 mm
UV-277 45 mm
UV-278 50 mm
UV-279 55 mm
UV-280 60 mm
UV-281 65 mm
UV-282 75 mm
UV-283 85 mm
Lateral Blades



UV-284 - 290
UV-284 40 mm
UV-285 45 mm
UV-286 50 mm
UV-287 55 mm
UV-288 60 mm
UV-289 65 mm
UV-290 70 mm
Paraspina Blades



CASPAR
UV-291 - 300
UV-291 40 mm
UV-292 45 mm
UV-293 50 mm
UV-294 55 mm
UV-295 60 mm
UV-296 65 mm
UV-297 70 mm
UV-298 75 mm
UV-299 80 mm
UV-300 85 mm
Lumbar Speculum
fenestrated

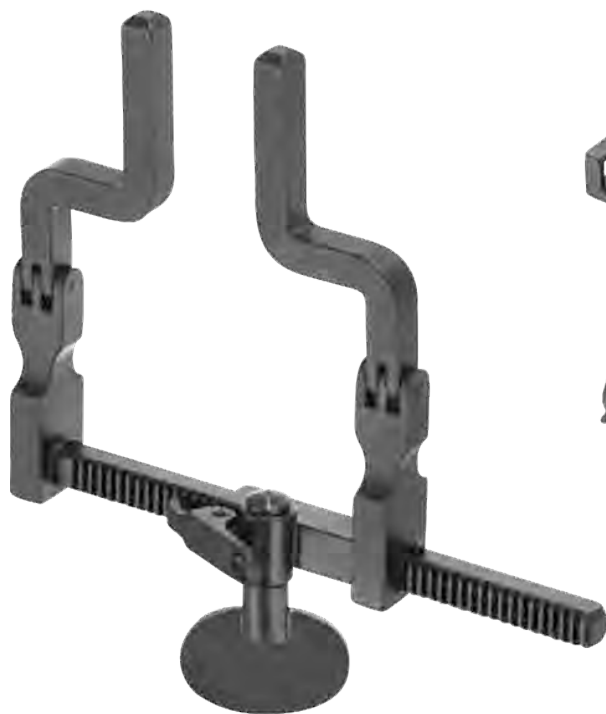
RETRACTORS FOR CERVICAL VERTEBRAL COLUMN



UV-305 - 310
UV-305 20 x 30 mm
UV-306 20 x 40 mm
UV-307 20 x 50 mm
UV-308 20 x 60 mm
UV-309 20 x 70 mm
UV-310 20 x 80 mm
 McCulloch 4-teeth
 Narrow Muscle Blades



UV-311 - 316
UV-311 20 x 30 mm
UV-312 20 x 40 mm
UV-313 20 x 50 mm
UV-314 20 x 60 mm
UV-315 20 x 70 mm
UV-316 20 x 80 mm
 McCulloch 6-teeth
 Wide Muscle Blades



CASPAR
 McCulloch Lumbar Spine Retractor for Microdiscectomy,
 black silicone bead
UV-301 68 mm spread, hinged
UV-302 68 mm spread, rigid
UV-303 90 mm spread, rigid
 McCulloch Lumbar Spine Retractor Tray
UV-304 Tray 265 x 265 mm for Container (not illustrated)



UV-317 - 322
UV-317 20 x 30 mm
UV-318 20 x 40 mm
UV-319 20 x 50 mm
UV-320 20 x 60 mm
UV-321 20 x 70 mm
UV-322 20 x 80 mm
 McCulloch 2-teeth
 Thin Muscle Blades



UV-323 - 330
UV-323 20 mm
UV-324 30 mm
UV-325 40 mm
UV-326 50 mm
UV-327 60 mm
UV-328 70 mm
UV-329 80 mm
UV-330 90 mm
 McCulloch Hook Blades



UV-331 - 338
UV-331 20 mm
UV-332 30 mm
UV-333 40 mm
UV-334 50 mm
UV-335 60 mm
UV-336 70 mm
UV-337 80 mm
UV-338 90 mm
 McCulloch toothed
 Hook Blades



UV-339 - 341
UV-339 20 x 50 mm
UV-340 20 x 60 mm
UV-341 20 x 70 mm
 McCulloch 2-teeth
 Cervical Blades



CASPAR
UV-342 - 343
Caspar Vertebral Column Retractor
for Laminectomy and Hemilaminectomy (Lumbar, Thoracic,
Cervical), stainless steel, complete set, 145 mm spread,
UV-342 125 mm arms, consisting of
UV-343 145 mm spread, hinged includes
Screw Driver for spreading bar



CASPAR
UV-344
Screw driver four
spreading bar



CASPAR
UV-345
Blade Changing Forceps
115 mm



UV-346 - 347
UV-346 38 mm
UV-347 58 mm



UV-348 - 355
UV-348 22 x 32 mm
UV-349 22 x 37 mm
UV-350 22 x 43 mm
UV-351 22 x 47 mm
UV-352 22 x 52 mm
UV-353 22 x 57 mm
UV-354 22 x 62 mm
UV-355 22 x 67 mm



UV-356 - 363
UV-356 37 x 32 mm
UV-357 37 x 37 mm
UV-358 37 x 43 mm
UV-359 37 x 47 mm
UV-360 37 x 52 mm
UV-361 37 x 57 mm
UV-362 37 x 62 mm
UV-363 37 x 67 mm



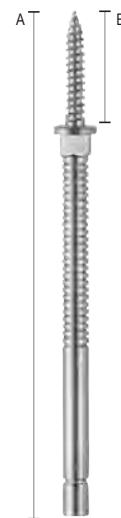
UV-364 - 371
UV-364 57 x 32 mm
UV-365 57 x 37 mm
UV-366 57 x 43 mm
UV-367 57 x 47 mm
UV-368 57 x 52 mm
UV-369 57 x 57 mm
UV-370 57 x 62 mm
UV-371 57 x 67 mm

RETRACTORS FOR CERVICAL VERTEBRAL COLUMN



**CASPAR
UV-372**

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
UV-373 - 376**
UV-373 66/12 mm
UV-374 68/14 mm
UV-375 70/16 mm
UV-376 72/18 mm



**TWIST DRILL
UV-377**



**DRILL GUIDE
UV-378**

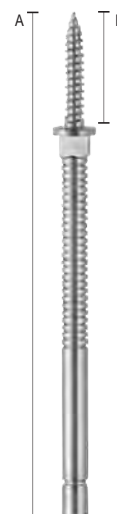


**SCREW DRIVER
UV-379**



**CASPAR
UV-380**

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
UV-381 - 384**
UV-381 66/12 mm
UV-382 68/14 mm
UV-383 70/16 mm
UV-384 72/18 mm



**TWIST DRILL
UV-385**



**DRILL GUIDE
UV-386**



**SCREW DRIVER
UV-387**

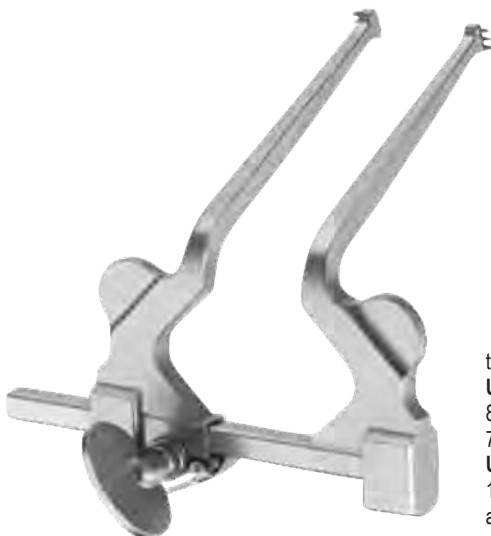
RETRACTORS FOR CERVICAL VERTEBRAL COLUMN



CLOWARD-TYPE
UV-388
Vertebra Spreaders
130 mm
18 mm spread



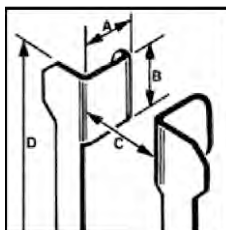
UV-389
one pointed tip
70 mm
arm, 80 mm spread



three pointed tips
UV-390
850 mm arm,
70 mm spread
UV-391
100 mm
arm, 70 mm spread



INGE
Lamina Spreaders
UV-392 - 393
UV-392 165 mm
UV-393 270 mm



SCOVILLE-HAVERFIELD

	A	B	C	D
UV-394	50 mm	35 mm	140 mm	140 mm
	50 mm			

with 1 each blade 29-3165.50 and 29-3162.51

Frame only, hinged:

UV-395			140 mm	140 mm
--------	--	--	--------	--------



Toothed:

UV-402 - 407

UV-402	63 mm x 26 mm
UV-403	66 mm x 30 mm
UV-404	89 mm x 26 mm
UV-405	51 mm x 51 mm
UV-406	63 mm x 51 mm
UV-407	76 mm x 51 mm



3-prongs:

UV-396	44 mm x 38 mm
--------	---------------

4-prongs:

UV-397 - 401

UV-397	41 mm x 38 mm
UV-398	66 mm x 48 mm
UV-399	48 mm x 51 mm
UV-400	63 mm x 63 mm
UV-401	82 mm x 58 mm



Hook-shaped, blunt:

UV-408 - 409

UV-408	50 mm
UV-409	75 mm

RETRACTORS FOR CERVICAL VERTEBRAL COLUMN



Williams
UV-410
 for microsurgical treatment
 of herniated discs
 170 mm
w = 10 mm
UV-411 10 x 50 mm
UV-412 10 x 60 mm
UV-413 10 x 70 mm

w = 20 mm
UV-414 20 x 50 mm
UV-415 20 x 60 mm
UV-416 20 x 70 mm



Williams
UV-417
 for microsurgical treatment
 of herniated discs
 170 mm
w = 10 mm
UV-418 10 x 50 mm
UV-419 10 x 60 mm
UV-420 10 x 70 mm

w = 20 mm
UV-421 20 x 50 mm
UV-422 20 x 60 mm
UV-423 20 x 70 mm



CLOWARD-TYPE

UV-424

with slide lock Cervical Retractor Set with slide-lock complete with 14 blades, 25 cm

UV-425 – UV-426

UV-427 Retractor Body only (without blades), 25 cm



UV-428

Cervical Retractor Set with slide-lock complete with 14 blades, 16 cm

UV-429 – UV-430

UV-431 Retractor Body only (without blades), 160 mm



UV-432 - 438

UV-432 25 mm

UV-433 30 mm

UV-434 35 mm

UV-435 40 mm

UV-436 45 mm

UV-437 50 mm

UV-438 55 mm

blunt



UV-439 - 445

UV-439 25 mm

UV-440 30 mm

UV-441 35 mm

UV-442 40 mm

UV-443 45 mm

UV-444 50 mm

UV-445 55 mm

blunt

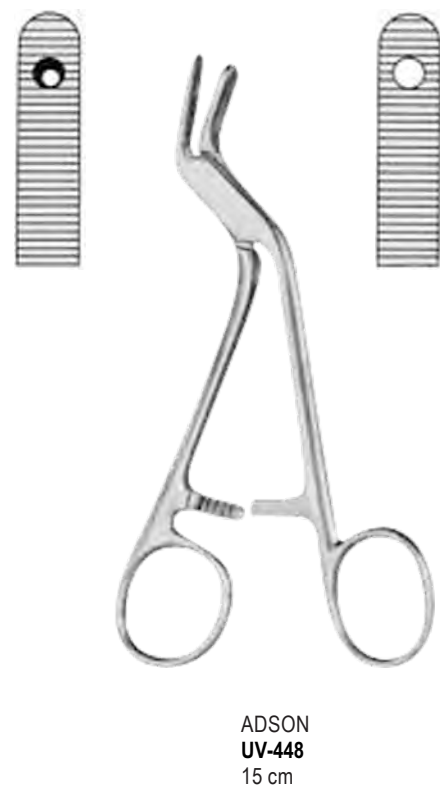


SKULL INSTRUMENTS

Galea Hooks



Dura Protecting Forceps





UV-449
Silver Wires Mckenzie

Elio Carrier



MCKENZIE
UV-450
148x40x60 mm
One Clip Holding



MCKENZIE
UV-451
190x48x13 mm
Two Clips Holding

Silver Clips



UV-452

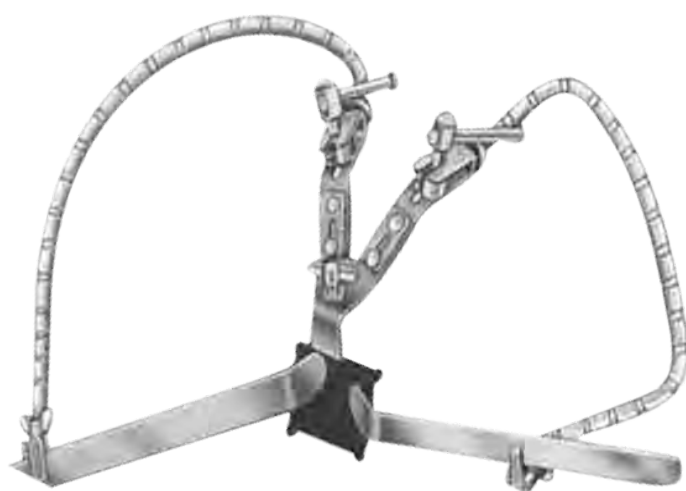
LEYLA FIXATION SYSTEM (YASARGIL)



UV-453
Complete Brain Ttractor
Set With 1 Arm



UV-454
Complete Brain Ttractor
Set With 2 Arm



UV-455
Complete Set



UV-456
Ball and Socket Joint



UV-457
Holding Rod, Head



UV-458
Coupling Head



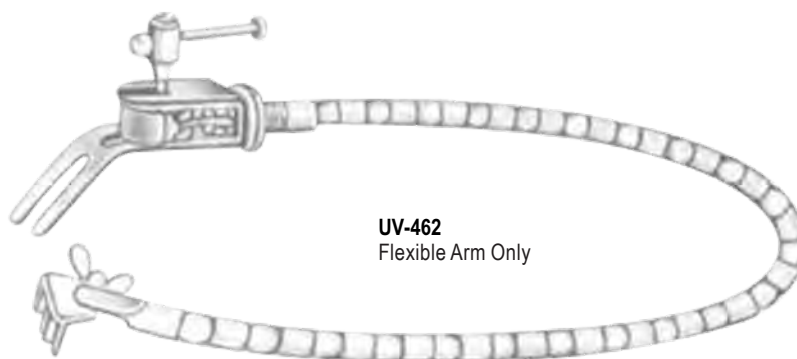
UV-459
Fixation Base for skull
Mounting Holding 1
Flexible Arm



UV-460
Fixation Base for skull
Mounting, Holding 2
Flexible Arms



UV-461
Fixation Base for
Mounting to 16 mm Dia.
Holding 1 Flexible Arm



UV-462
Flexible Arm Only



UV-463
Support for Flat
Brain Spatula



UV-464
Support for Brain Spatula
With Round Shaft



UV-465
Held for Ear Spatula

NERVE AND DURA HOOKS



Smithwick
UV-466
29 cm
Dura Dissector



Smithwick
UV-467 - 468
Nerve hook

UV-467
17 cm

UV-468
21 cm



Hoen
UV-469
22 cm 11
mm



Dandy
UV-470
20 cm 4.0
mm



Dandy
UV-471
20 cm 4.0
mm



Dandy
UV-472
20 cm 4.0
mm



Adson
UV-473 - 474



Graham
UV-475 - 476



Sachs
UV-477
17 cm



Crile
UV-478 - 479



Cushing
UV-480 - 481
UV-482 - 483

Fig. 1
UV-480
19 cm
4 mm

Fig. 1
UV-481
28 cm
4 mm

Fig. 2
UV-482
19 cm
6 mm

Fig. 2
UV-483
28 cm
6 mm

NERVE AND DURA HOOKS



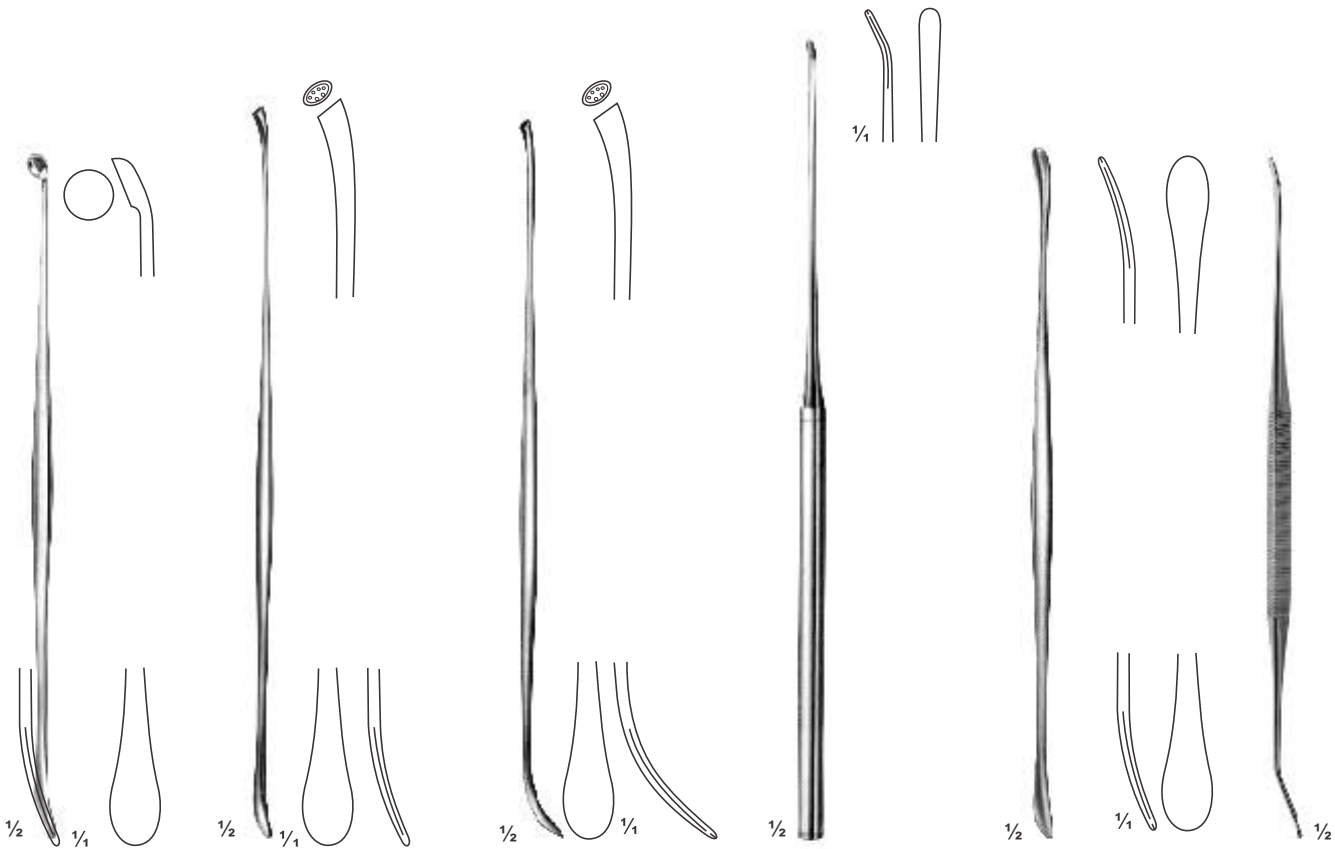


Fig. 1
Penfield
UV-490
17.5 cm
Dura dissectors

Fig. 2
Penfield
UV-491
19.5 cm
Dura dissectors

Fig. 3
Penfield
UV-492
19.5 cm
Dura dissectors

Fig. 4
Penfield
UV-493
20.5 cm
Dura dissectors

Fig. 5
Penfield
UV-494
18.5 cm
Dura dissectors

Watson-Cheyne
UV-495
18 cm
Dissectors

Page 524–574

○ Ent Surgery



ZÖLLNER
VW-001 - 006
set for adults, black



VW-001
Fig.1
5.5 X 6.5 mm Ø



VW-002
Fig.2
6.5 X 7.5 mm Ø



VW-003
Fig.3
7.5 X 8.5 mm Ø



VW-004
Fig.4
8.5 X 9.5 mm Ø



VW-005
Fig.5
9.5 X 10.5 mm Ø



VW-006
Fig.6
10.5 X 11.5 mm Ø



POLITZER
VW-007 - 010
set for adults



VW-007
Fig.1
2 mm Ø



VW-008
Fig.2
3 mm Ø



VW-009
Fig.3
4 mm Ø



VW-010
Fig.4
5 mm Ø



BOUCHERON
VW-011 - 013
set for children



VW-011
Fig.0
3.0 mm Ø



VW-012
Fig.1
4.5 mm Ø



VW-013
Fig.2
5.5 mm Ø



HARTMANN
VW-014 - 017
set for adults



VW-014
Fig.1
4.5 mm Ø



VW-015
Fig.2
5.5 mm Ø



VW-016
Fig.3
6.5 mm Ø

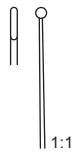


VW-017
Fig.4
7.5 mm Ø

EAR CURETTES



BUCK
VW-018 - 033
Blunt
Sharp
165 mm - 6½"



VW-018
Fig.000



VW-019
Fig.00



VW-020
Fig.0



VW-021
Fig.1



VW-022
Fig.2



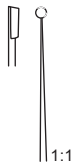
VW-023
Fig.3



VW-024
Fig.4



VW-025
Fig.5



VW-026
Fig.000



VW-027
Fig.00



VW-028
Fig.0



VW-029
Fig.1



VW-030
Fig.2



VW-031
Fig.3



VW-032
Fig.4



VW-033
Fig.5



BUCK
VW-034 - 049
Curved, blunt
Curved, sharp
165 mm - 6½"



VW-034
Fig.000



VW-035
Fig.00



VW-036
Fig.0



VW-037
Fig.1



VW-038
Fig.2



VW-039
Fig.3



VW-040
Fig.4



VW-041
Fig.5



VW-042
Fig.000



VW-043
Fig.00



VW-044
Fig.0



VW-045
Fig.1



VW-046
Fig.2



VW-047
Fig.3

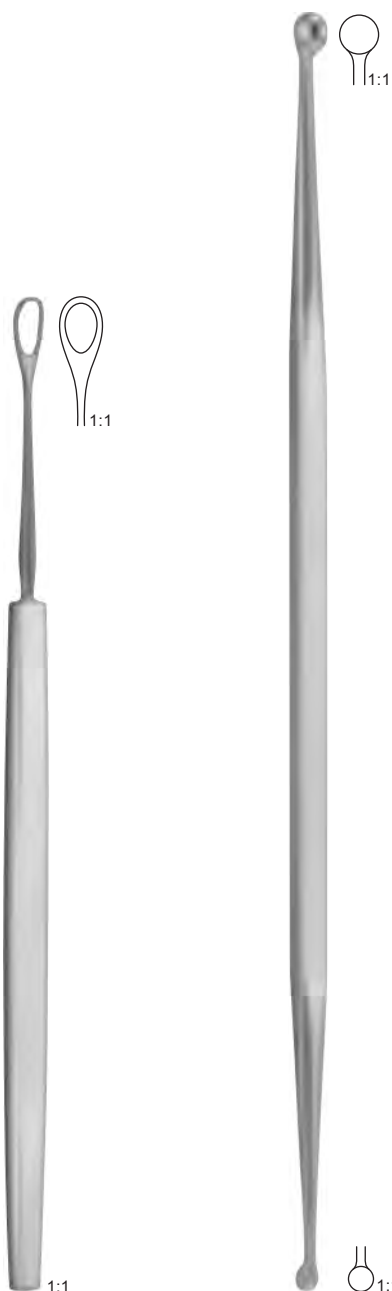


VW-048
Fig.4



VW-049
Fig.5

Picture Show The Outer Diameter



**LANGENBECK
VW-050**
Blunt
130 mm - 5"



**JANSEN
VW-051**
Sharp
170 mm - 6 3/4"



**GROSS
VW-052**
Sharp, not fenestrated
120 mm - 4 3/4"



VW-053
Blunt, fenestrated
120 mm - 4 3/4"



**JANSEN
VW-054**
Sharp
160 mm - 6 1/4"



EAR LOOPS – HOOKS



BILLEAU
VW-055 - 057
165 mm - 6½"



VW-055



VW-056



VW-057



LUCAE
VW-058 - 060
140 mm - 5½"



VW-058



VW-059



VW-060



WAGENER
VW-061 - 067
140 mm - 5½"



VW-061



VW-062



VW-063



VW-064



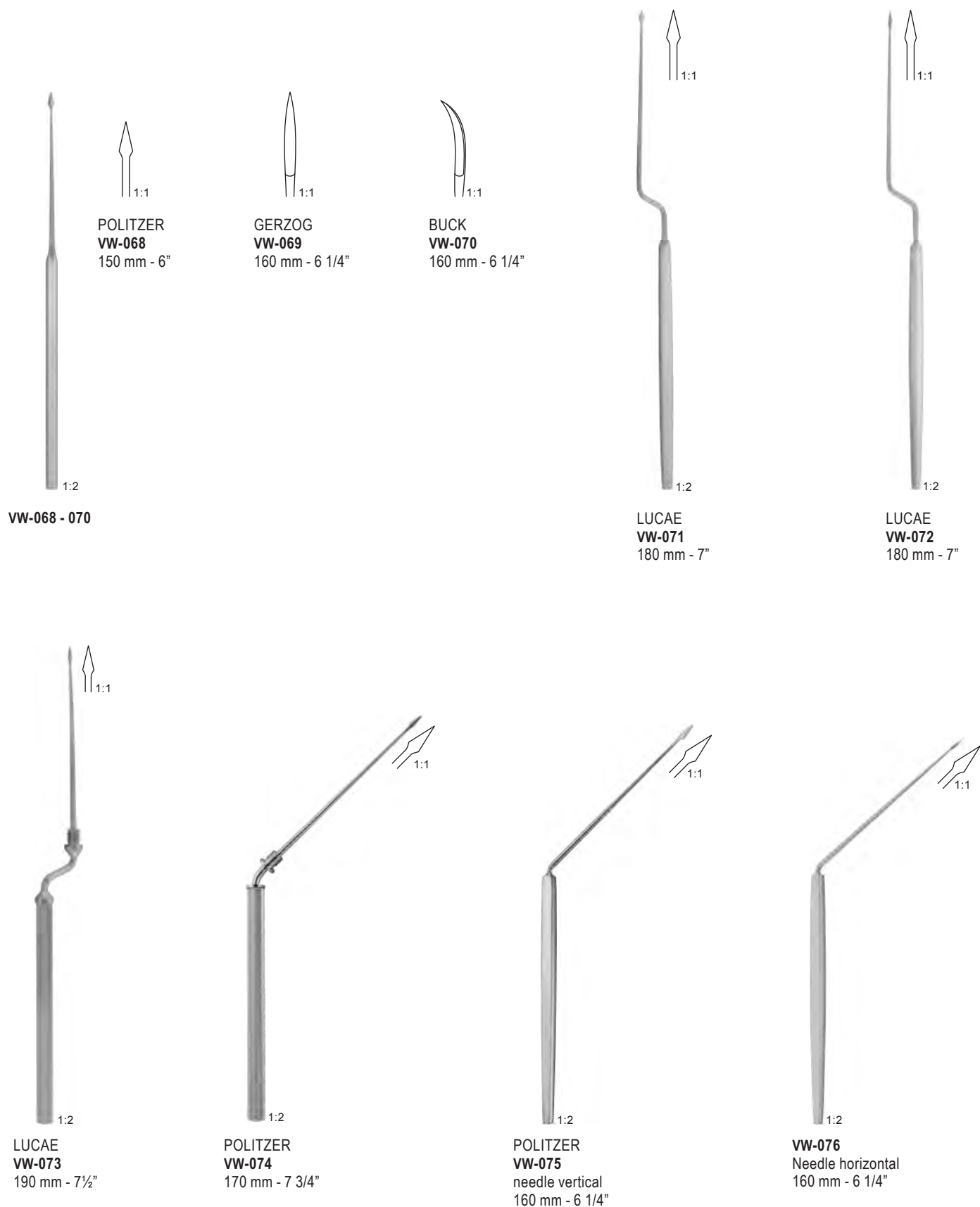
VW-065



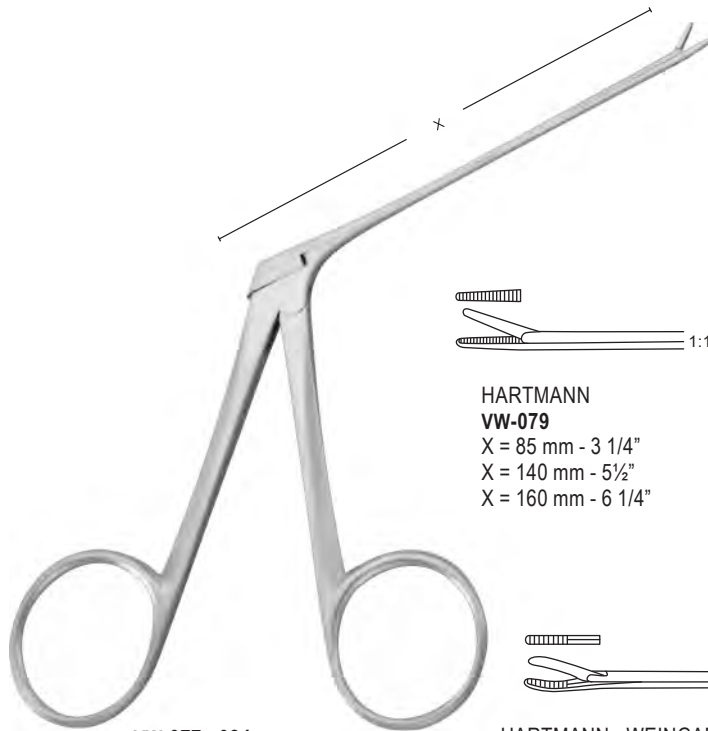
VW-066



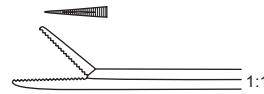
VW-067



EAR FORCEPS AND MICRO EAR FORCEPS



VW-077 - 084



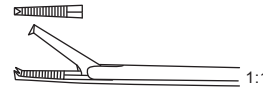
**HARTMANN - WULLSTEIN
VW-077**
X = 85 mm - 3 1/4"



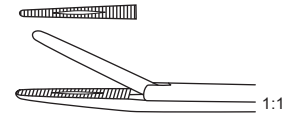
**HARTMANN - WULLSTEIN
VW-078**
X = 85 mm - 3 1/4" 1 mm ø



**HARTMANN
VW-079**
X = 85 mm - 3 1/4"
X = 140 mm - 5 1/2"
X = 160 mm - 6 1/4"



**HARTMANN
VW-080**
X = 85 mm - 3 1/4"
X = 140 mm - 5 1/2"



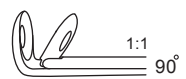
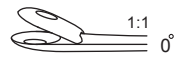
**HARTMANN - NOYES
VW-081**
X = 90 mm - 3 1/2"



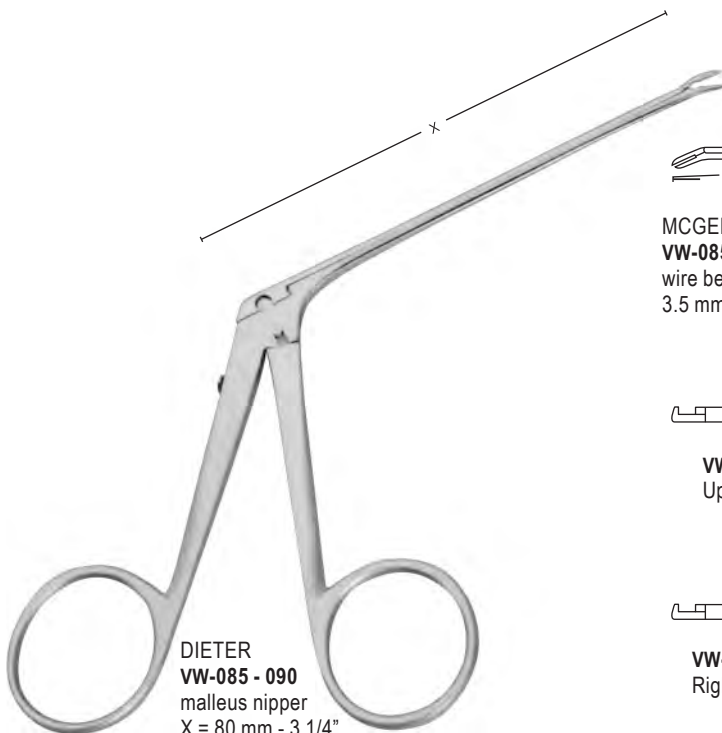
**HARTMANN - WEINGARTNER
VW-082**
X = 85 mm - 3 1/4"



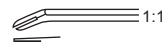
**HARTMANN
VW-083**
X = 85 mm - 3 1/4"
2.0 mm ø
2.5 mm ø
3.0 mm ø



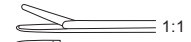
**STRUEMPEL
VW-084**
X = 85 mm - 3 1/4"



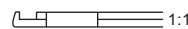
**DIETER
VW-085 - 090**
malleus nipper
X = 80 mm - 3 1/4"



**MCGEE
VW-085**
wire bending forceps
3.5 mm X 0.8 mm



**FULLER
VW-086**
introducing forceps
for teflon prosthesis
80 mm - 3 1/4"



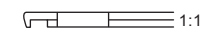
VW-087
Up - cutting



VW-088
Down - cutting



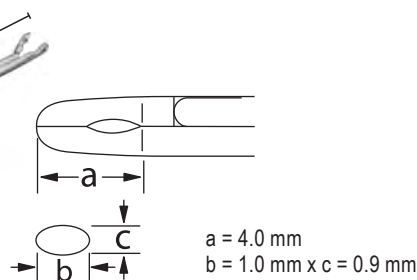
VW-089
Right - cutting



VW-090
Left - cutting



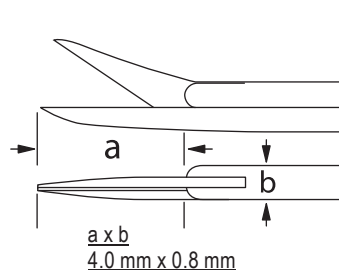
VW-091 - 095

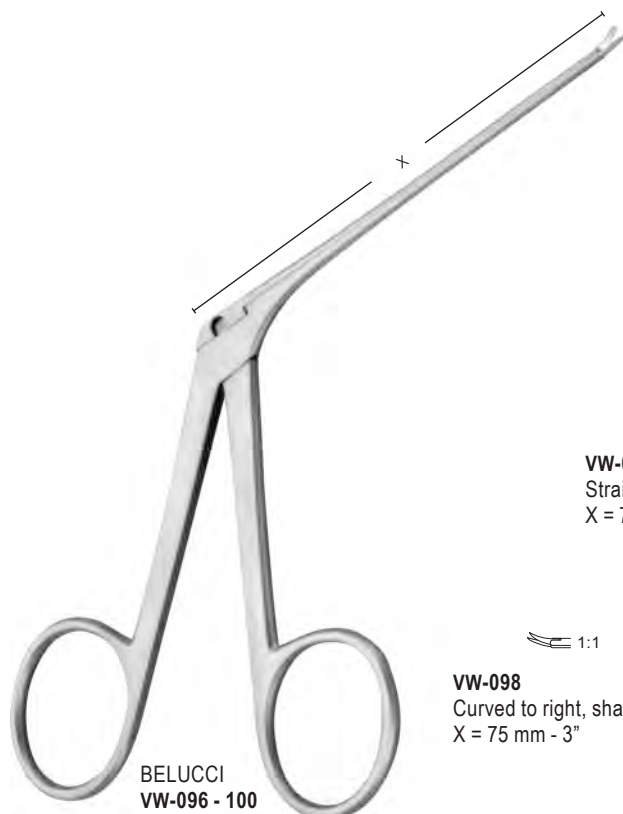

VW-091
 Straight, oval
 X = 75 mm - 3"

VW-092
 Curved upwards, oval
 X = 75 mm - 3"

VW-093
 Curved to left, oval
 X = 75 mm - 3"

VW-094
 Curved to right, oval
 X = 75 mm - 3"

VW-095
 Curved downwards, oval
 X = 75 mm - 3"

VW-096
 Straight, sharp/sharp
 X = 75 mm - 3"

VW-097
 Curved upwards, blunt/blunt
 X = 75 mm - 3"

 BELUCCI
 VW-096 - 100

VW-098
 Curved to right, sharp/sharp
 X = 75 mm - 3"

VW-099
 Curved to left, sharp/sharp
 X = 75 mm - 3"

VW-100
 straight, sharp/blunt
 X = 75 mm - 3"



MICRO EAR RASPATORIES AND PROBES
EAR SICKLEKNIVES – CURRCULAR CUTTING KNIFE



PLESTER
VW-101 - 106
160 mm - 6 1/4"



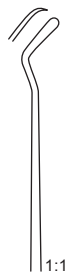
WIRE GUIDE
VW-101



RASPATORY
VW-102



RASPATORY
VW-103
1.8 mm



VW-104
Dissector, double
curved right



VW-105
Instrument for placing
wire prothesis



VW-106
Dissector, double
curved left



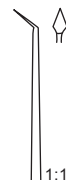
ROSEN
VW-107 - 113
160 mm - 6 1/4"



VW-107
Circular cutting knife
1.5 mm \varnothing 90°



VW-108
Tympanum knife
45°



VW-109
Lancet knife
45°



VW-110
Lancet knife



RASPATORY
VW-111
Zöllner
1 mm



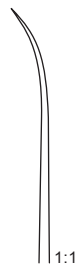
VW-112
Sickle knife,
slightly curved



VW-113
discision knife,
straight curved



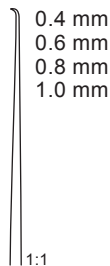
VW-114
Needle fine, straight, sharp
160 mm - 6 1/4"



VW-115
Needle, slightly curved, sharp
160 mm - 6 1/4"



VW-116
Needle, strong curved, sharp
160 mm - 6 1/4"



SHAMBAUGH
VW-117
45° Hook, angled
160 mm - 6 1/4"



PLESTER
VW-118
0.4 mm - 90°
foot plate hook, angled, blunt
160 mm - 6 1/4"



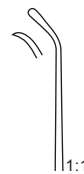
PLESTER
VW-119
0.4 mm - 45°
Antrum hook, angled, blunt
160 mm - 6 1/4"



FISCH
VW-120
Angled to the right
155 mm - 6"



VW-121
Angled to the left
155 mm - 6"



VW-122
Angled to the right
155 mm - 6"



VW-123
Angled to the left
155 mm - 6"



MICRO EAR – SPOONS



**HOUSE
VW-124**
spoon, strong curved
spoon, slightly curves
170 mm - 6 3/4"



**SHEA
VW-125**
straight
160 mm - 6 1/4"
1.5 mm X 2.5 mm



**SHEA
VW-126**
curved
160 mm - 6 1/4"
1.5 mm X 2.5 mm



1:2
CITELLI
VW-127 - 129
X = 60 mm
170 mm - 6 3/4"



VW-127
1.5 mm



VW-128
2.2 mm



VW-129
3.0 mm



1:2

VW-130 - 133
200 mm - 8"
X = 80 mm



VW-130
3 X 3 mm



VW-131
4 X 4 mm



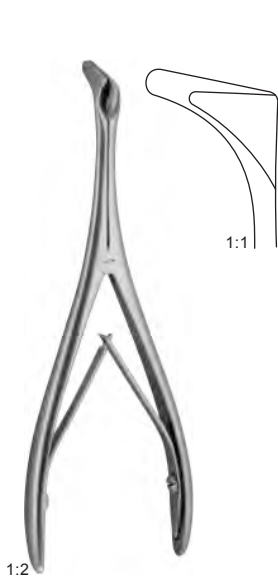
VW-132
5 X 5 mm



VW-133
6 X 6 mm



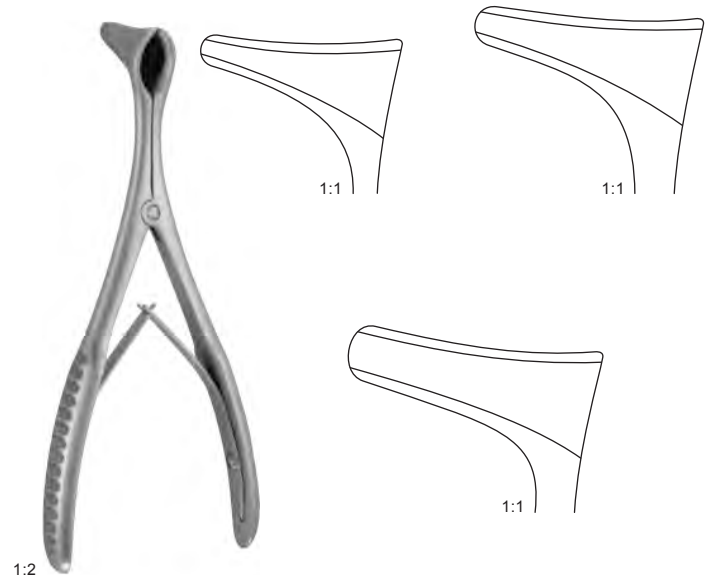
NASAL SPECULA



TIECK - HALLE
VW-134
for babies
135 mm - 5 1/4"



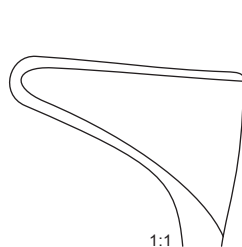
BECKMANN
VW-135
150 mm - 6"



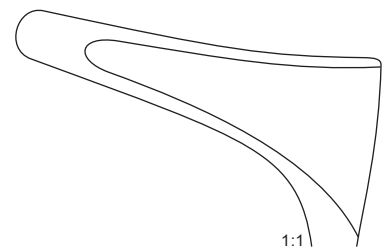
MOD. WIEN
VW-136
145 mm - 5 3/4"



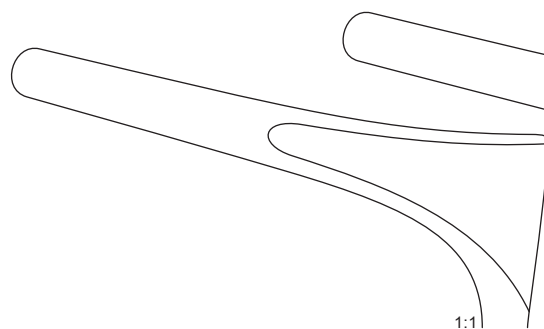
VW-137 - 140
KILLIAN
130 mm - 5"



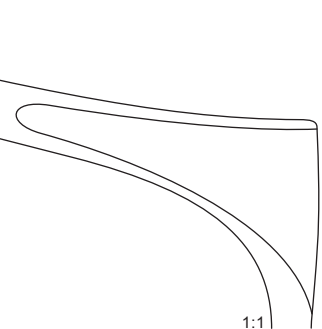
VW-137
X = 35 mm



VW-138
X = 50 mm



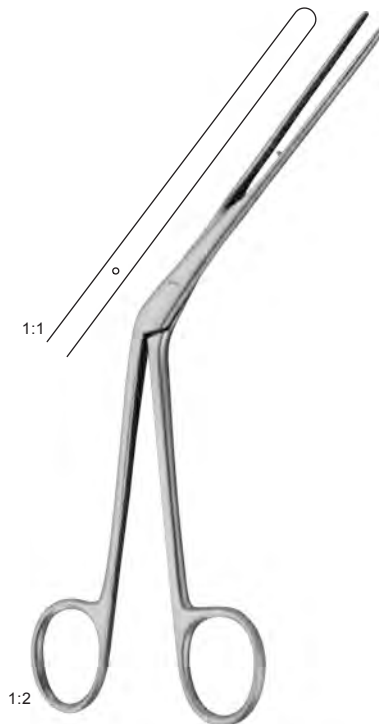
VW-139
X = 75 mm



VW-140
X = 90 mm



WESTMACOTT
VW-141 **VW-141-1**
200 mm - 8" 130 mm - 5"

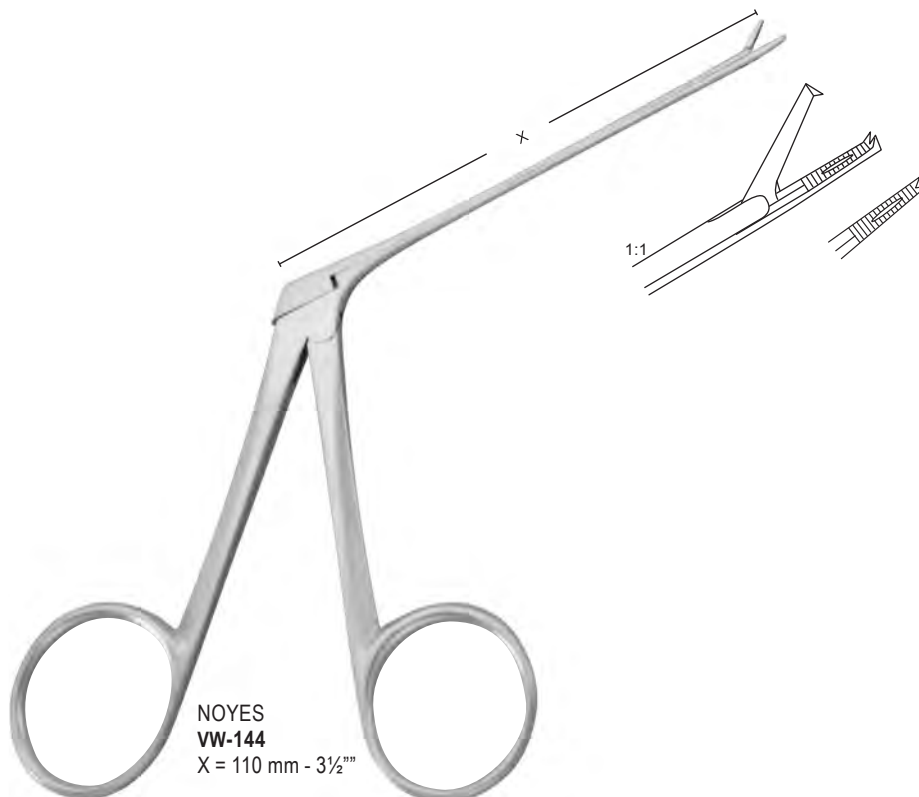


LUBET - BARBON
VW-142
200 mm - 8"



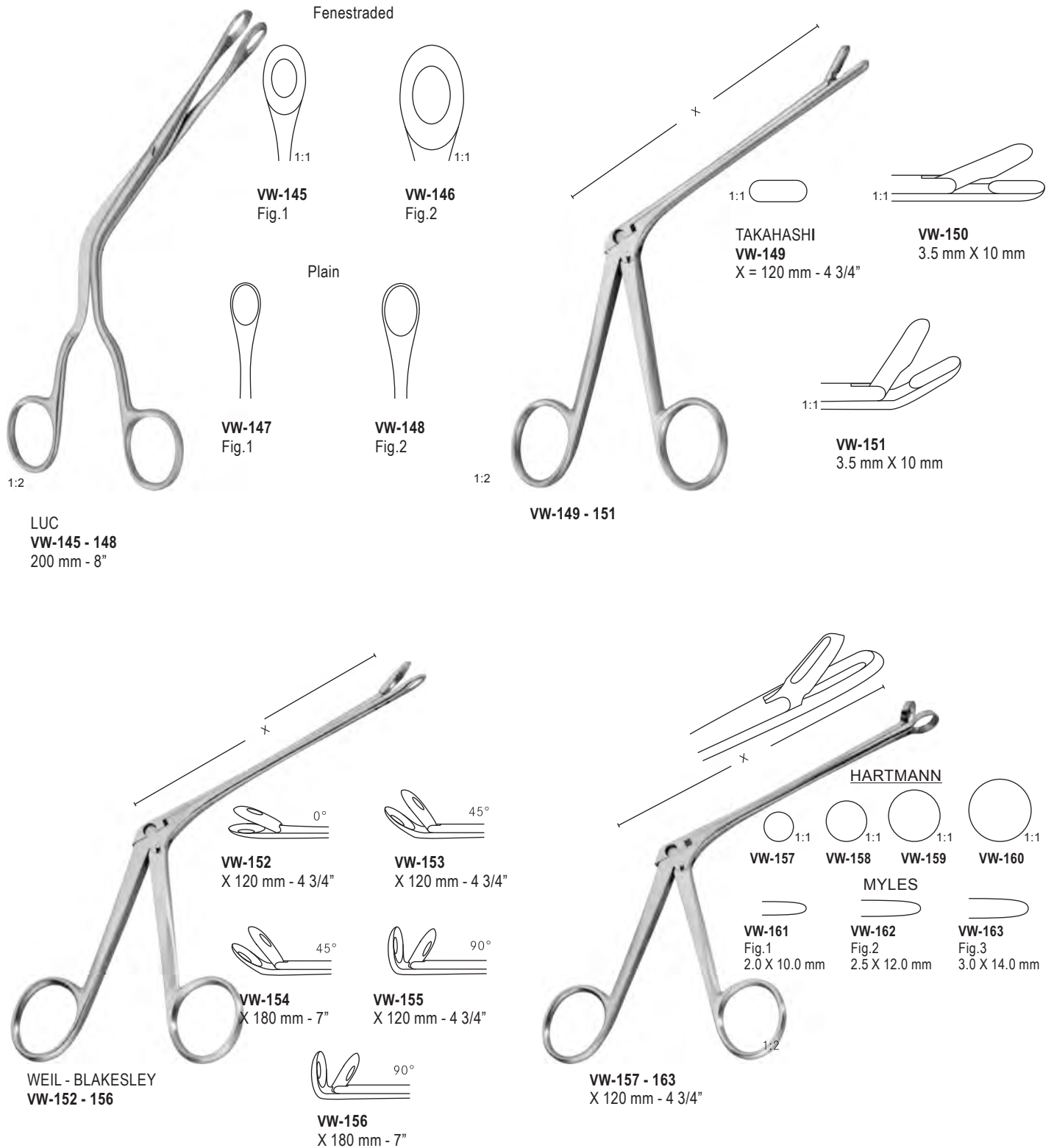
HARTMANN HARTMANN
VW-143 **VW-143-1**
160 mm - 6 1/4" 200 mm - 8"

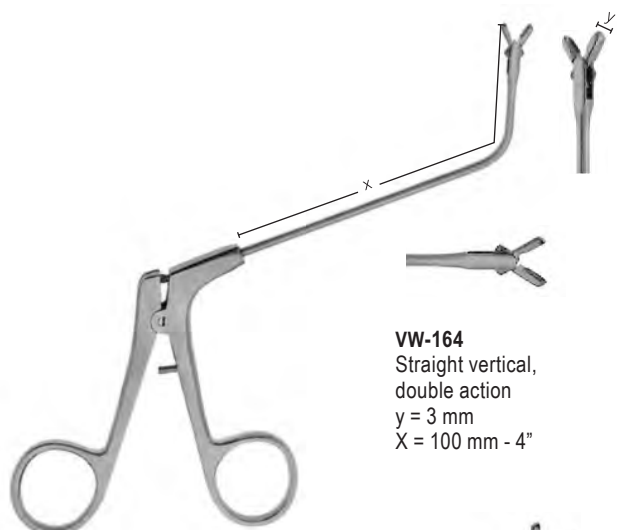
NASAL DRESSING FORCEPS



NOYES
VW-144
X = 110 mm - 3 1/2"

NASAL CUTTING FORCEPS





VW-164 - 170

VW-164
Straight vertical,
double action
y = 3 mm
X = 100 mm - 4"

VW-165
Straight, double action
y = 3 mm
X = 100 mm - 4"

VW-166
45° Vertical, double action
y = 3 mm
X = 100 mm - 4"

VW-167
45° double action
y = 3 mm
X = 100 mm - 4"



VW-168
70° vertical, double action
y = 3 mm
X = 100 mm - 4"



VW-169
70° double action
y = 3 mm
X = 100 mm - 4"



VW-170
110° double action
y = 3 mm
X = 100 mm - 4"

CIRCULAR FORCEPS AND ANTRUM PUNCH



VW-171
Straight curved upwards
X = 180 mm - 7"
3.5 mm ø
4.5 mm ø



VW-172
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



TONSIL KNIVES



1:2

**FREER
VW-173**
210 mm - 8 1/4"



1:2

**FREER
VW-174**
210 mm - 8 1/4"



1:2

**SICKLE KNIFE
VW-175**
200 mm - 8"



1:2

**BRUNINGS
VW-176**
230 mm - 9"



1:2

**ABRAHAM
VW-177**
220 mm - 8 3/4"



1:2

**FISCHER
VW-178**
230 mm - 9"

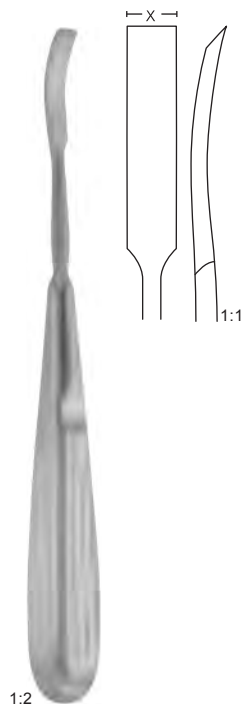


1:2

**SHARP
VW-179**
200 mm - 8"



LEMPERT
VW-180
200 mm - 8"
X = 6 mm



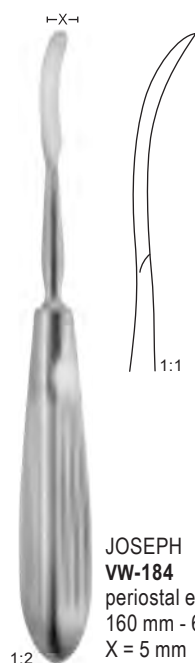
LEMPERT
VW-181
180 mm - 7"



FREER
VW-182
160 mm - 6 1/4"
X = 4 mm



COTTLE
VW-183
sharp
190 mm - 7 1/2"
X = 8 mm



JOSEPH
VW-184
periosteal elevators
160 mm - 6 1/4"
X = 5 mm



SEWALL
VW-185
antrum elevators
200 mm - 8"



HALLE
VW-186
antrum elevators
160 mm - 6 1/4"

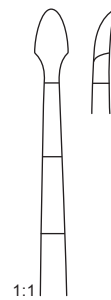
PERIOSTEAL ELEVATORS



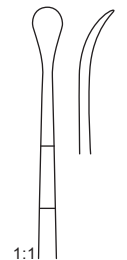
MASING
VW-187
200 mm - 8"



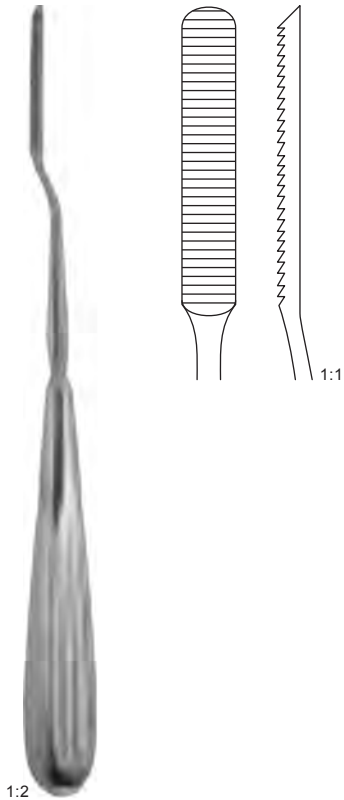
BALLENGER - HAJEK
VW-188
190 mm - 7 1/4"
220 mm - 8 3/4"



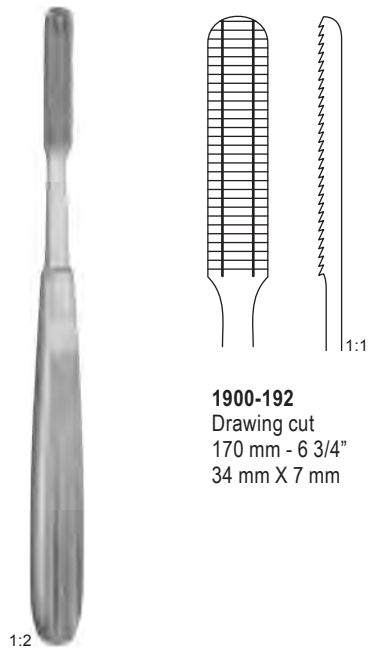
COTTLE
VW-189
220 mm - 8 3/4"



COTTLE
VW-190
210 mm - 8 1/4"



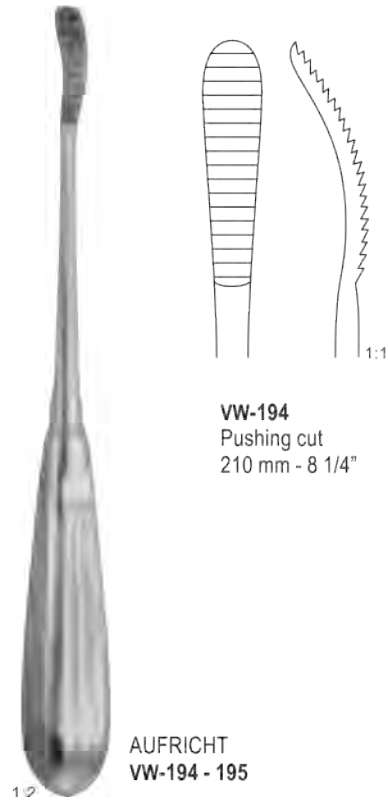
COTTLE
VW-191
210 mm - 8 1/4"



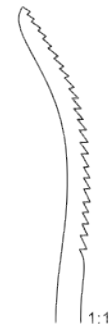
MALTZ
VW-192 - 193

1900-192
Drawing cut
170 mm - 6 3/4"
34 mm X 7 mm

1900-193
Pushing cut
170 mm - 6 3/4"
34 mm X 7 mm



VW-194
Pushing cut
210 mm - 8 1/4"



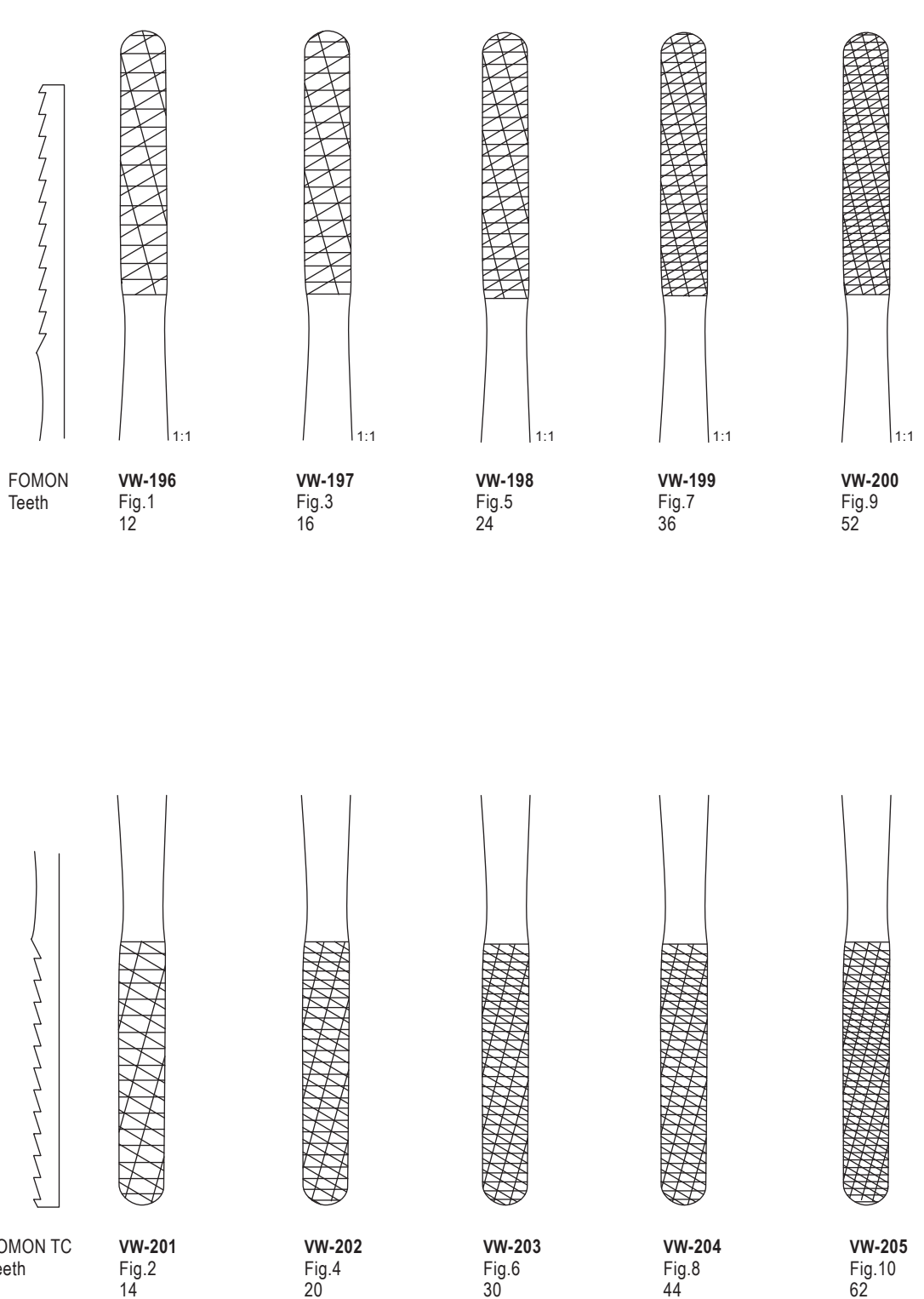
VW-195
Drawing cut
210 mm - 8 1/4"

AUFRICHT
VW-194 - 195

RASPS WITHOUT TUNGSTEN CARBIDE



VW-196 - 205
200 mm - 8"

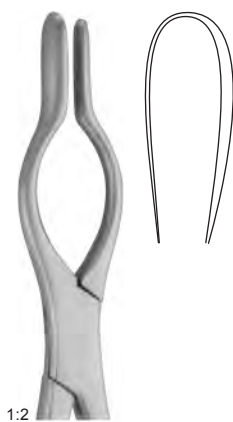




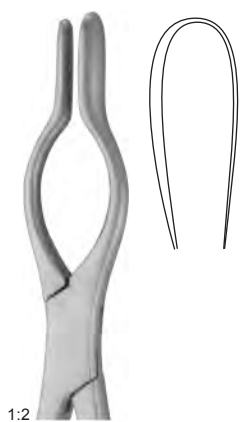
VW-206 - 208



VW-206
Straight



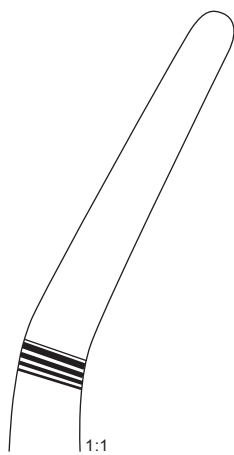
VW-207
Left



VW-208
Right



1:2
ASCH
VW-209
230 mm - 9"



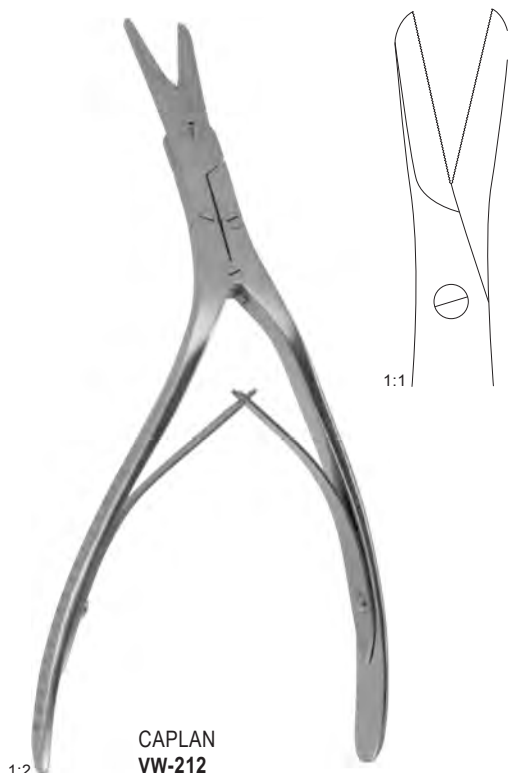
SEPTUM FORCEPS AND SCISSOR



1:2
**MIDDLETON - JANSEN
VW-210**
190 mm - 7½"



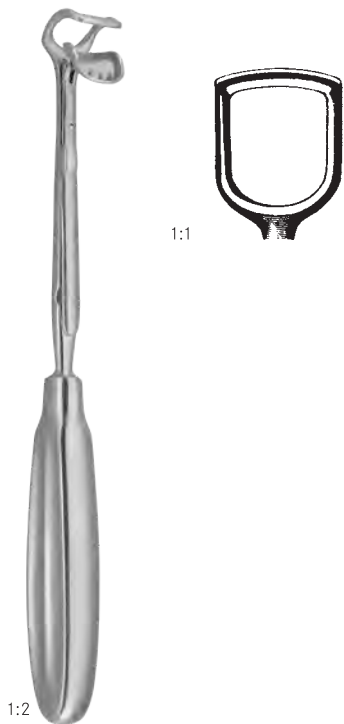
1:2
**MIDDLETON - JANSEN
VW-211**
190mm - 7½"



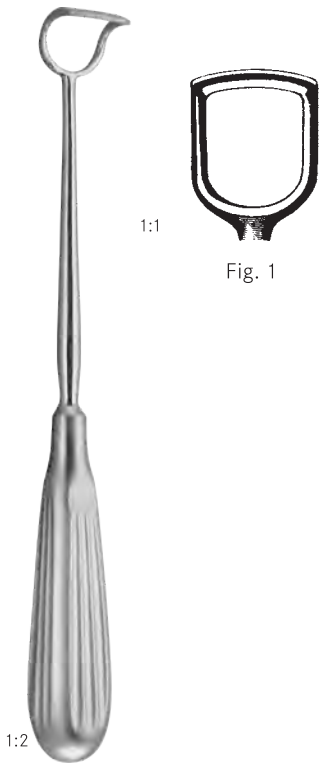
1:2
**CAPLAN
VW-212**
toothed
200 mm - 8"



1:2
**RUBIN
VW-213**
protection cap
210 mm - 8 1/4"



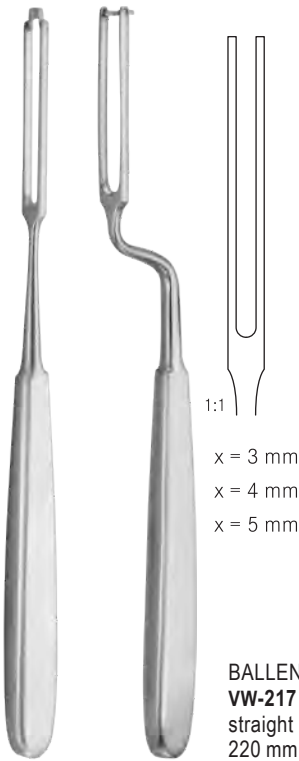
ST. CLAIR-THOMSON
VW-214
210 mm - 8 1/4"



BARNHILL
VW-215
220 mm - 8 3/4"



BECKMANN
VW-216
Straight Curved
220 mm - 8 3/4"



BALLENGER
VW-217
straight bayonet
220 mm - 8"



MOUTH GAGS



1:2

**MOLT
VW-218**
for children
110 mm - 4 1/4"



1:2

**MOLT
VW-219**
for adults
140 mm - 5 1/2"



1:2

**DENHART
VW-220**
120 mm - 4 3/4"



1:2

**FERGUSSON - ACKLAND
VW-221**
145 mm - 5 3/4"



**ROSER - KÖNIG
VW-222**
160 mm - 6 1/4"
190 mm - 7 1/2"



VW-223 - 233

VW-223	Fig. 00	8 mm	Ø
VW-224	Fig. 0	10 mm	Ø
VW-225	Fig. 1	12 mm	Ø
VW-226	Fig. 2	14 mm	Ø
VW-227	Fig. 3	16 mm	Ø
VW-228	Fig. 4	18 mm	Ø
VW-229	Fig. 5	20 mm	Ø
VW-230	Fig. 6	22 mm	Ø
VW-231	Fig. 7	24 mm	Ø
VW-232	Fig. 8	26 mm	Ø
VW-233	Fig. 9	28 mm	Ø
VW-233	Fig. 10	30 mm	Ø


1:2
VW-234
100 mm - 4"


VW-235 - 246

VW-235	Fig. 00	8 mm	Ø
VW-236	Fig. 0	10 mm	Ø
VW-237	Fig. 1	12 mm	Ø
VW-238	Fig. 2	14 mm	Ø
VW-239	Fig. 3	16 mm	Ø
VW-240	Fig. 4	18 mm	Ø
VW-241	Fig. 5	20 mm	Ø
VW-242	Fig. 6	22 mm	Ø
VW-243	Fig. 7	24 mm	Ø
VW-244	Fig. 8	26 mm	Ø
VW-245	Fig. 9	28 mm	Ø
VW-246	Fig. 10	30 mm	Ø


MICHEL
VW-247 - 251
moveable mirror
250 mm - 9 3/4"

VW-247	10 mm	Ø
VW-248	12 mm	Ø
VW-249	14 mm	Ø
VW-250	16 mm	Ø
VW-251	18 mm	Ø

TONSIL SNARES



EVES
VW-252
280 mm - 11"



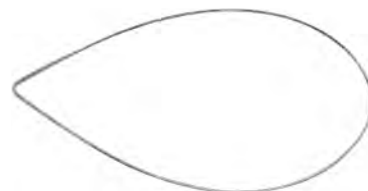
EVES
VW-253
280 mm - 11"



BRUENINGS
VW-254
280 mm - 11"



VW-255
10 mm - 3/32"
0.3 mm Ø
0.4 mm Ø



VW-256
Package of 100 pieces
40 mm
50 mm



COLVER
VW-257
straight curved
190 mm - 7½"



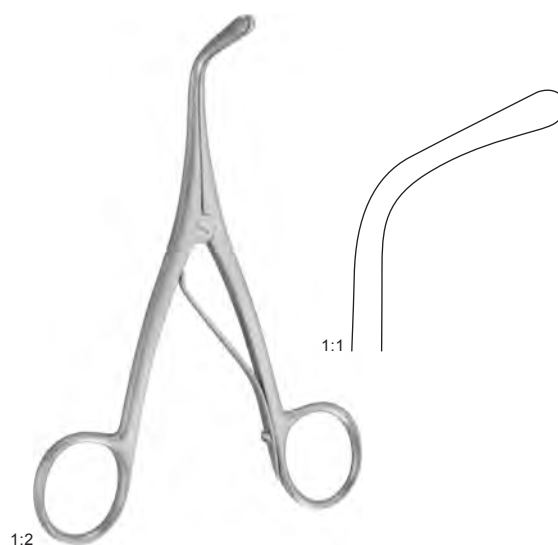
WHITE
VW-258
180 mm - 7"
230 mm - 9"



MUSEUX
VW-259
tonsil holding forceps
200 mm - 8"



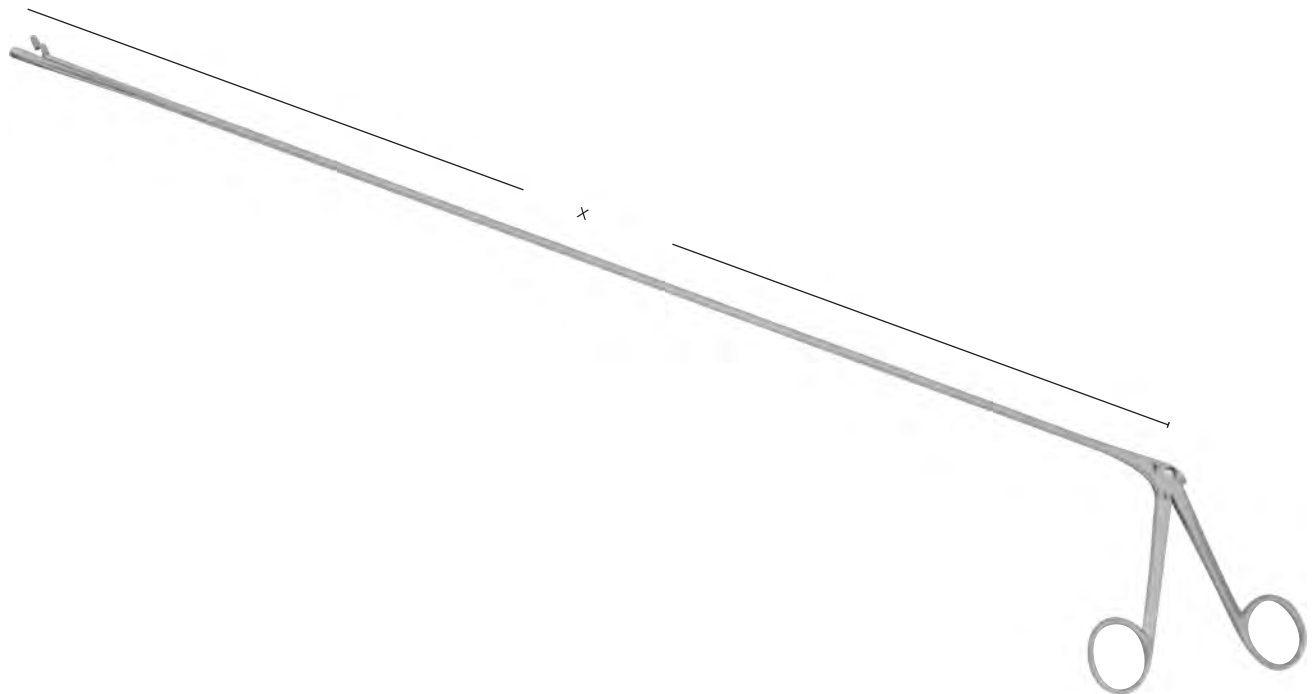
JACKSON
VW-260
laryngeal forceps
220 mm - 8½"



TROUSSEAU
VW-261
140 mm - 5½"

TRACHEA DILATOR

BRONCHO – OESOPHAGOSCOPY FORCEPS



CHEVALIER - JACKSON

VW-262 - 268

X = 300 mm - 12"

X = 400 mm - 16"

X = 500 mm - 20"

X = 600 mm - 23½"



VW-262



VW-263



VW-264



VW-265



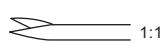
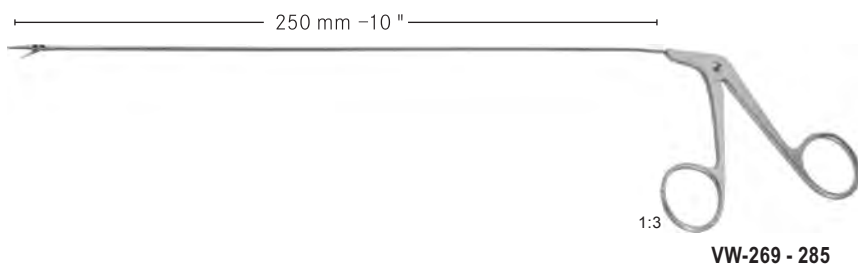
VW-266



VW-267



VW-268



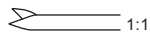
VW-269
Straight



VW-270
Straight horizontal



VW-271
Angled up horizontal



VW-272
Curved right



VW-273
Curved left



VW-274
Angled up



VW-275
Straight, serrated



VW-276
Straight horizontal



VW-277
Angled up horizontal



VW-278
Curved right



VW-279
Curved left



VW-280
Straight



VW-281
Angled up
02.5 mm



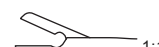
VW-282
Angled up horizontal



VW-283
Curved right



VW-284
Curved left



VW-285
Oval
03.5 mm



MOUTH GAGS



DAVIS-BOYLE
VW-286 - 288
complete, consisting of frame
and 5 tongue depressors no. 1-5

VW-286
Frame for Mouth Gag

VW-287
14.5 cm
Frame for Mouth Gag with joint

VW-288
14.5 cm
Silicone inlay



Fig. 1
VW-289 - 292
110 X 28 mm



Fig. 2
VW-289
95 X 27 mm



Fig. 3
VW-290
80 X 27 mm



Fig. 4
VW-291
65 X 26 mm



Fig. 5
VW-292
without suction tube
30 X 20 mm



NEUKAM
VW-293 - 297
complete, with frame
and 3 tongue depressors

NEUKAM
VW-293
Frame for Mouth Gag, only



KILNER-DOUGHTY
VW-298 - 304
complete, with frame, 3 tongue depressors,
2 toothplates and 1 palate plate



VW-299
Palate plate

KILNER-DOUGHTY
VW-300
14.5 cm
Frame for Mouth Gag



VW-294
Tongue Depressor
fenestrated blade for suction



1/2

Fig. 1
VW-295

Fig. 2
VW-296

Fig. 3
VW-297

KILNER-DOUGHTY
VW-301
Tongue Depressor

fenestrated blade for suction 1/2

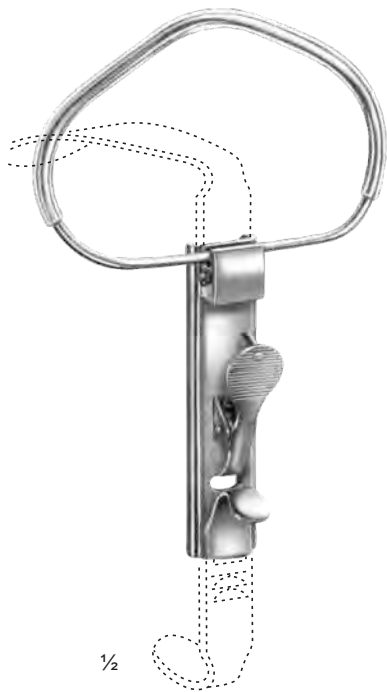


Fig. 1
VW-302
68 X 30 mm

Fig. 2
VW-303
77 X 34 mm

Fig. 3
VW-304
82 X 39 mm

MOUTH GAGS



MCLVOR
VW-305 - 309
complete, with 3 tongue depressors

MCLVOR
VW-305
Frame for Mouth Gag

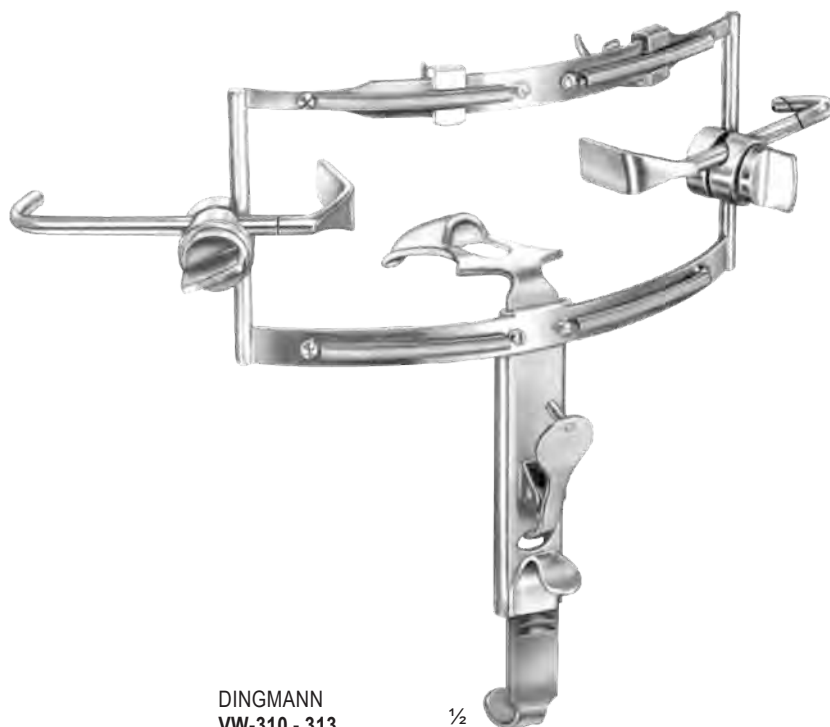


MCLVOR
VW-306
Tongue Depressors

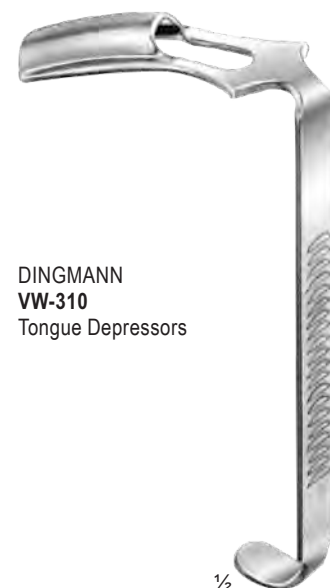
Fig. 1
VW-307
100 X 25 mm

Fig. 2
VW-308
85 X 25 mm

Fig. 3
VW-309
75 X 25 mm



DINGMANN
VW-310 - 313
complete, with frame, 3 tongue depressors,
and 2 adjustable lateral blades



DINGMANN
VW-310
Tongue Depressors

Fig. 1
VW-311
62 X 26 mm

Fig. 2
VW-312
65 X 30 mm

Fig. 3
VW-313
78 X 32 mm



1:2

VW-314

Fig.1

20 mm X 70 mm



1:2

VW-315

Fig.2

30 mm X 80 mm



1:2

VW-316

Fig.3

33 mm X 95 mm



1:2

VW-317

Handle

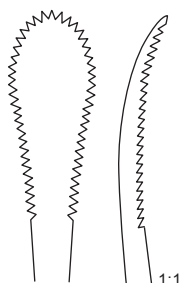
NEGUS
VW-314 - 317
complete
handle

TONSIL INSTRUMENTS

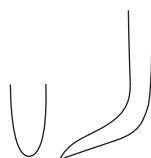


1:2

HENKE
VW-318

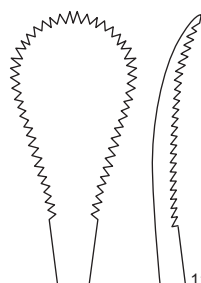
tonsil dissector
230 mm - 9"


1:1

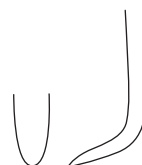


1:2

HENKE
VW-319

tonsil dissector
230 mm - 9"


1:1



1:2

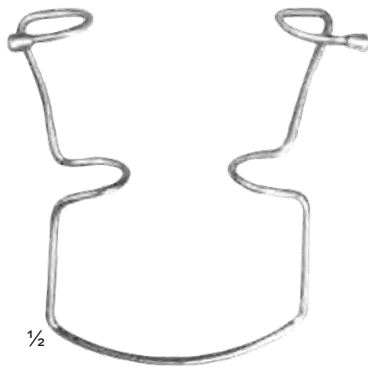
HURD
VW-320

tonsil dissector
225 mm - 8 3/4"


MOUTH GAGS, LIP AND CHEEK RETRACTORS



JENNINGS
VW-321 - 324
VW-321 10.5 cm
VW-322 12.5 cm
VW-323 14.5 cm
VW-324 16.5 cm



ORINGER
VW-325 - 327
 9.5 cm
 self retaining, for children

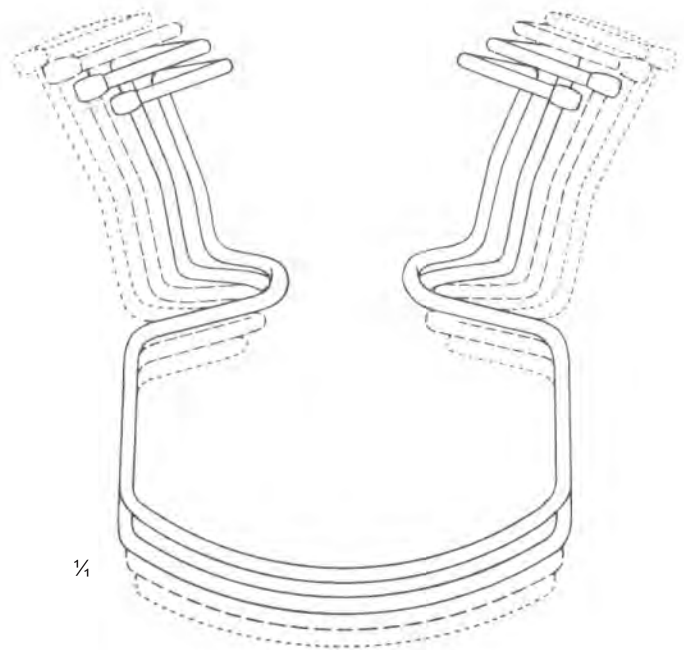
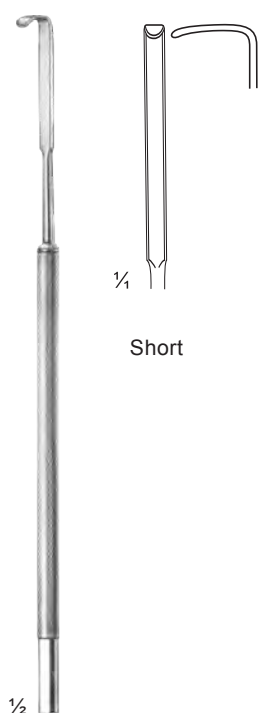


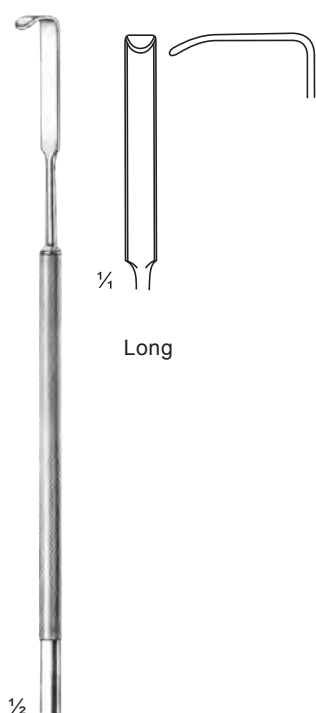
Fig. 1
VW-325
 10 cm

Fig. 2
VW-326
 10.5 cm

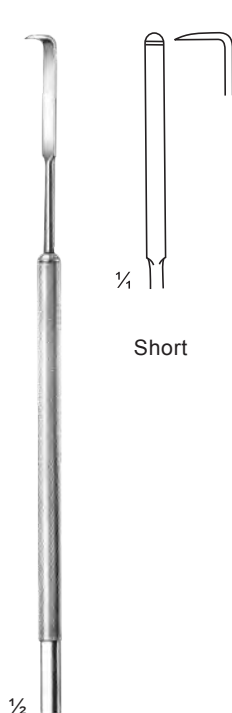
Fig. 3
VW-327
 11 cm



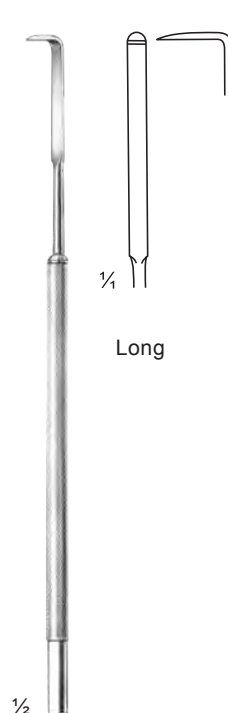
SALYER
VW-328
185 mm
Cleft Palate
Hooklets



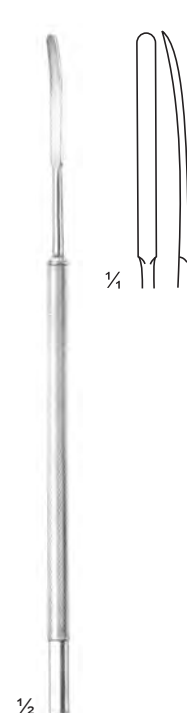
SALYER
VW-329
185 mm
Cleft Palate
Hooklet



SALYER
VW-330
180 mm
Cleft Palate
Dissector



SALYER
VW-331
180 mm
Cleft Palate
Dissector



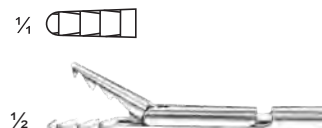
SALYER
VW-332
180 mm
Cleft Palate
Instruments



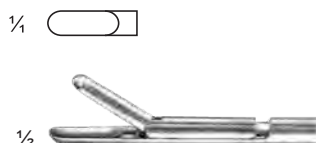
EXCHANGEABLE TIPS



FRAENKEL
VW-333
for interchangeable tubes



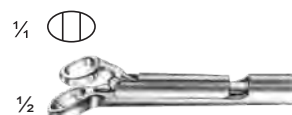
SEIFFERT
VW-334
for interchangeable tubes



FRAENKEL
VW-335
for interchangeable tubes



SCHEINMANN
VW-336
for interchangeable tubes



SCHEINMANN
VW-337
for interchangeable tubes



BRÜNINGS
VW-338 - 339
for interchangeable tubes

1/4
Fig. 2
VW-338

1/4
Fig. 3
VW-339

1/4
Fig. 2
VW-340

1/4
Fig. 3
VW-341



BRÜNINGS
VW-340 - 341
for interchangeable tubes



LANGE
VW-342
for interchangeable tubes

1/4
Fig. 1
VW-342



Fig. 1
VW-343



Fig. 2
VW-344



KRAUSE
VW-343 - VW-344
for interchangeable tubes



KRAUSE
VW-345
for interchangeable tubes



Fig. 1
VW-346



Fig. 2
VW-347



Fig. 3
VW-348



Fig. 4
VW-349



CORDES
VW-346 - 349
for interchangeable tubes



SCHUMACHER
VW-350
for interchangeable tubes



Fig. 1
VW-351



Fig. 2
VW-352



CORDES
VW-351 - VW-352
for interchangeable tubes

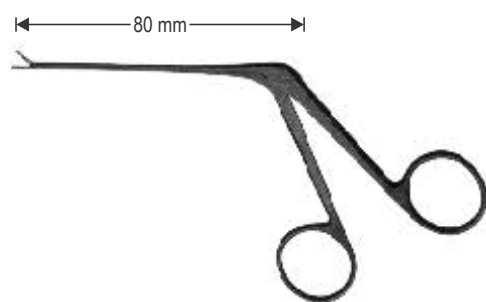


CORDES
VW-353
for interchangeable tubes

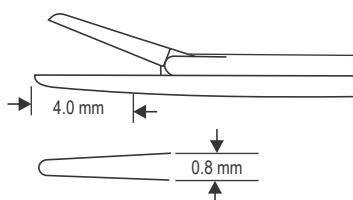


ROSENBERG
VW-354
for interchangeable tubes

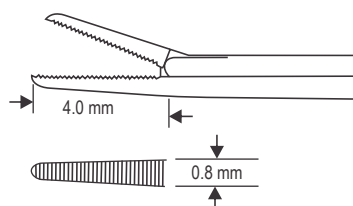
MICRO EAR FORCEPS



VW-355 - 359



VW-355
4.0 x 0.8 mm
Smooth, straight



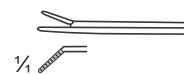
VW-356
4.0 x 0.8 mm
Serrated, straight



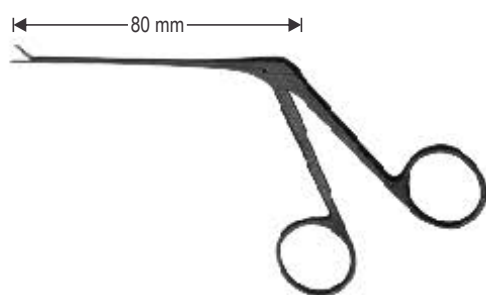
VW-357
4.0 x 0.8 mm
Sent upwards, serrated



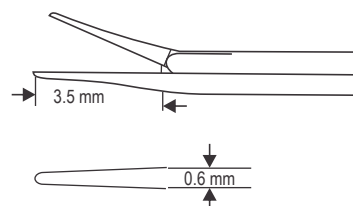
VW-358
4.0 x 0.8 mm
Right, serrated



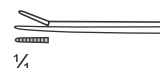
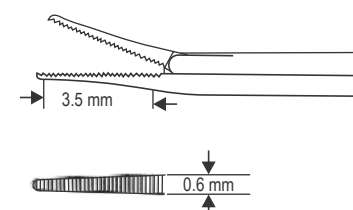
VW-359
4.0 x 0.8 mm
Left, serrated



Mini-McGee
VW-360 - 361



VW-360
3.5 x 0.6 mm
Smooth, straight

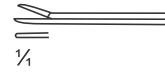
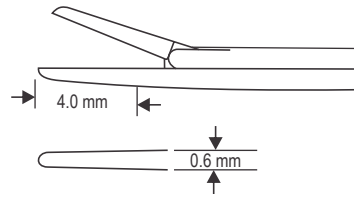


VW-361
3.5 x 0.6 mm
Serrated, straight

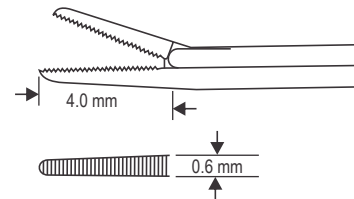
80 mm



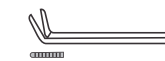
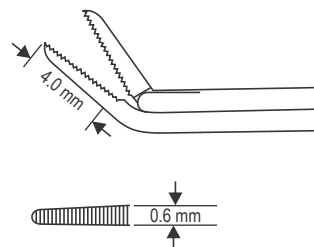
VW-362



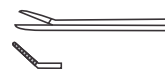
Smooth, straight



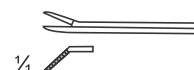
VW-363
4.0 x 0.6 mm
Serrated, straight



VW-364
4.0 x 0.6 mm
Bent upwards, serrated



VW-365
4.0 x 0.6 mm
Bight, serrated



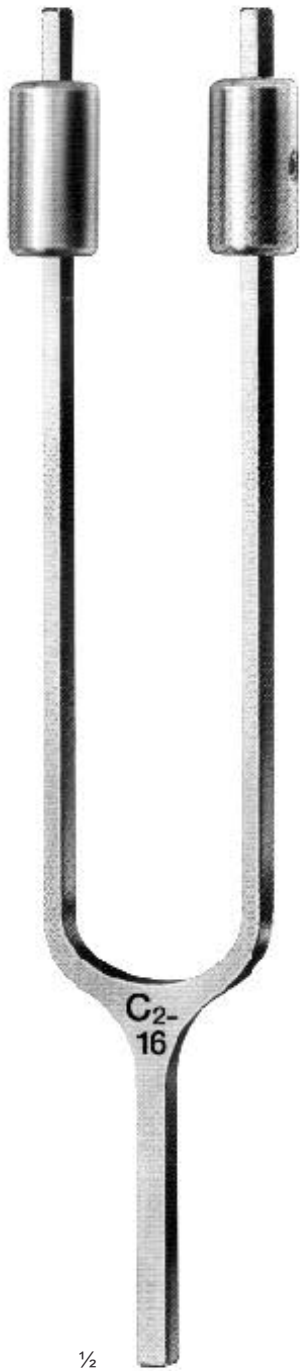
VW-366
4.0 x 0.6 mm
Left, serrated

80 mm



VW-363 - 366

TUNING FORKS



French
VW-367
C:16



French
VW-368
C:32



Hartmann
VW-369
C 64



Hartmann
VW-370
C 128



Hartmann
VW-371
C 256



Hartmann
VW-372
C 128



Hartmann
VW-373
C' 256



Hartmann
VW-374
C² 512



Hartmann
VW-375
C³ 1024

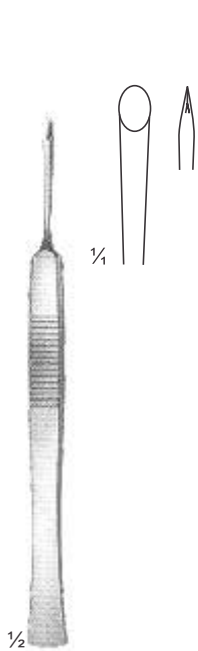


Hartmann
VW-376
C⁴ 2048

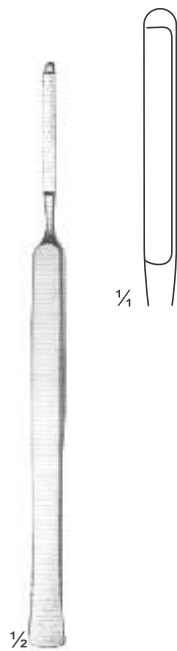


Hartmann
VW-377
C⁵ 4096

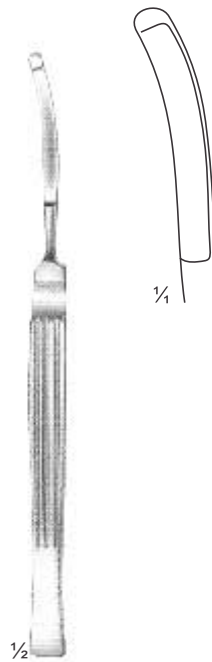
KNIVES, SEPTUM KNIVES



Cottle
VW-378
14 cm
Rhinoplastic knife



Joseph
VW-379
15.5 cm
Rhinoplastic knife



Converse
VW-380
16 cm
Rhinoplastic knife



Joseph
VW-381 - 382
15 cm
Rhinoplastic knife

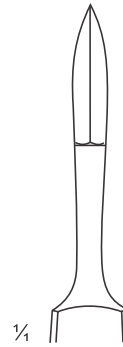


Fig. 1
VW-381

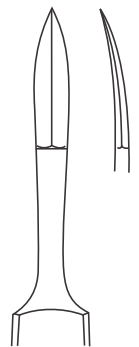
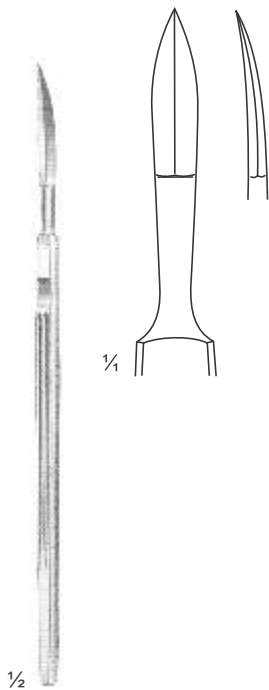


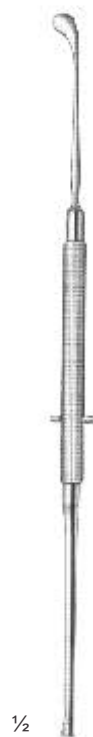
Fig. 2
VW-382



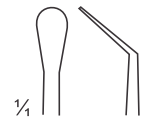
Fomon
VW-383
16.5 cm
Rhinoplastic knife



Freer
VW-384
16.5 cm
Mucosa knife
Septum knife



Freer
VW-385
19 cm
Septum knife



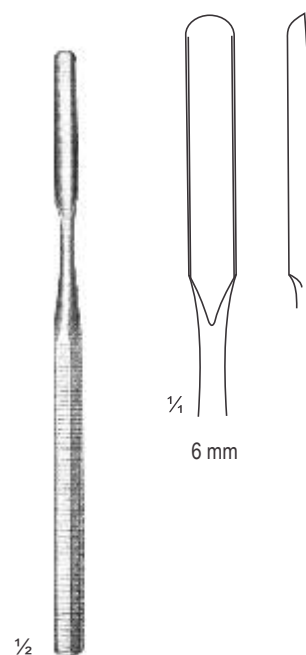
Freer
VW-386
18.5 cm
Septum knife



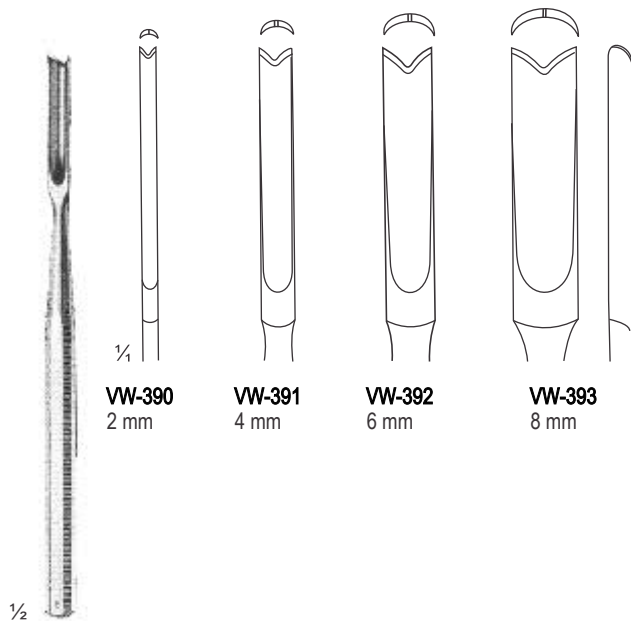
Freer
VW-387
16 cm
Septum chisel



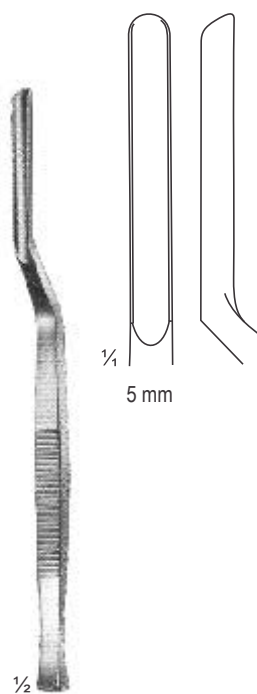
Freer
VW-388
16.5 cm
Septum chisel



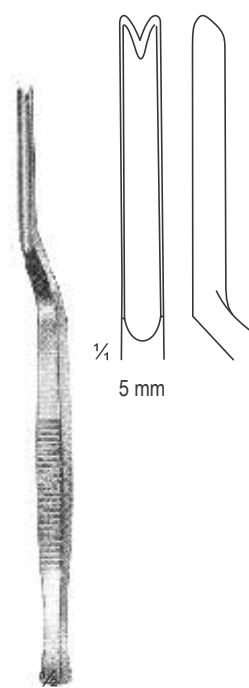
Freer
VW-389
16 cm
Septum gouge



Ballenger
VW-390 - 393
15 cm
Septum gouge



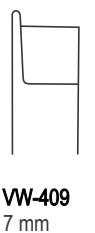
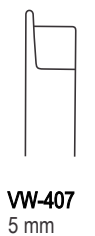
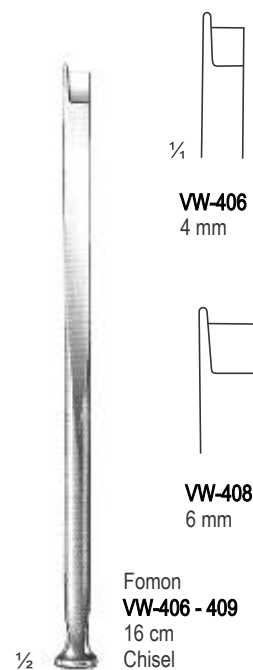
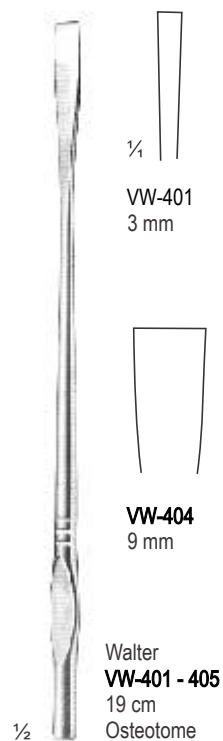
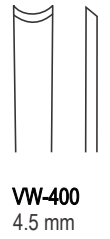
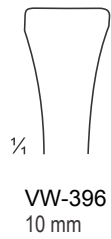
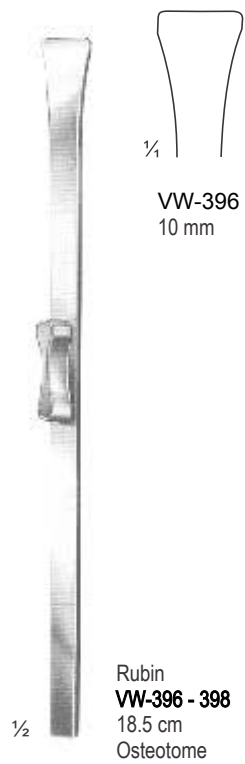
Killian
VW-394
16 cm
Septum gouge

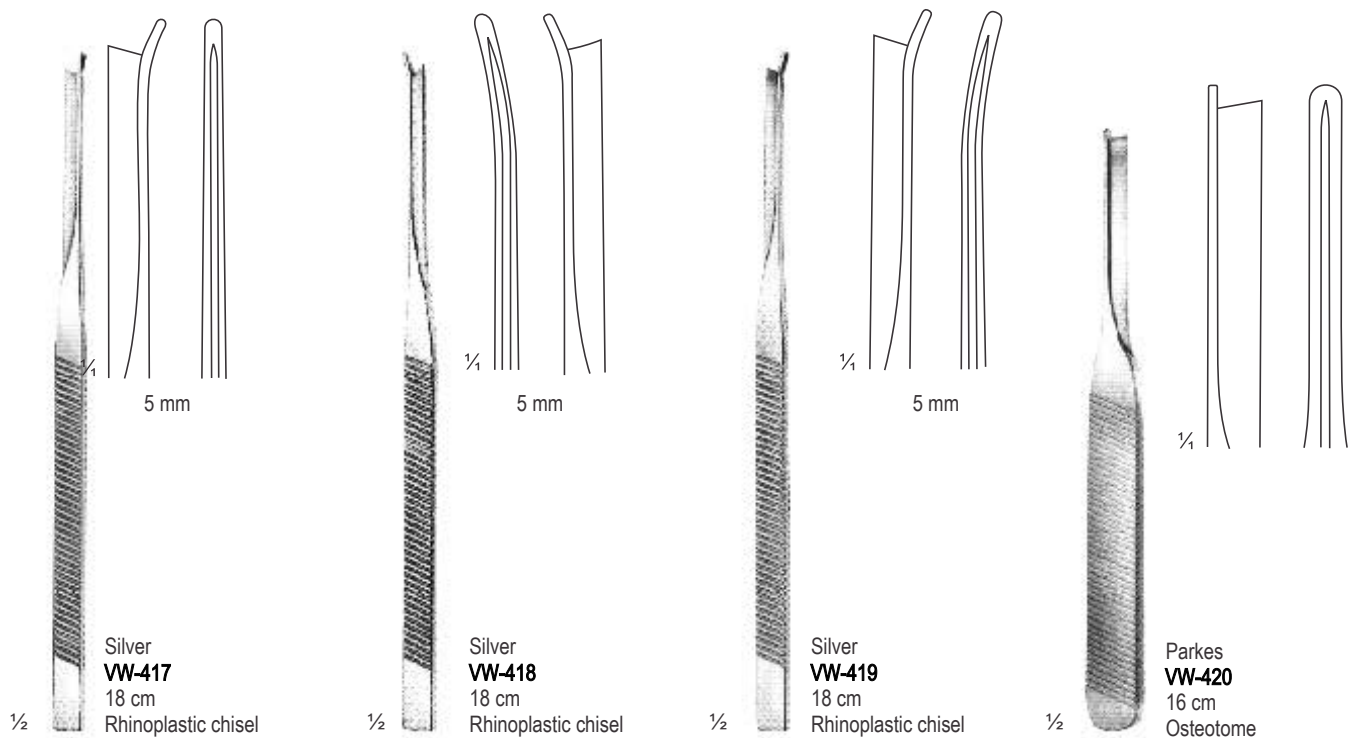
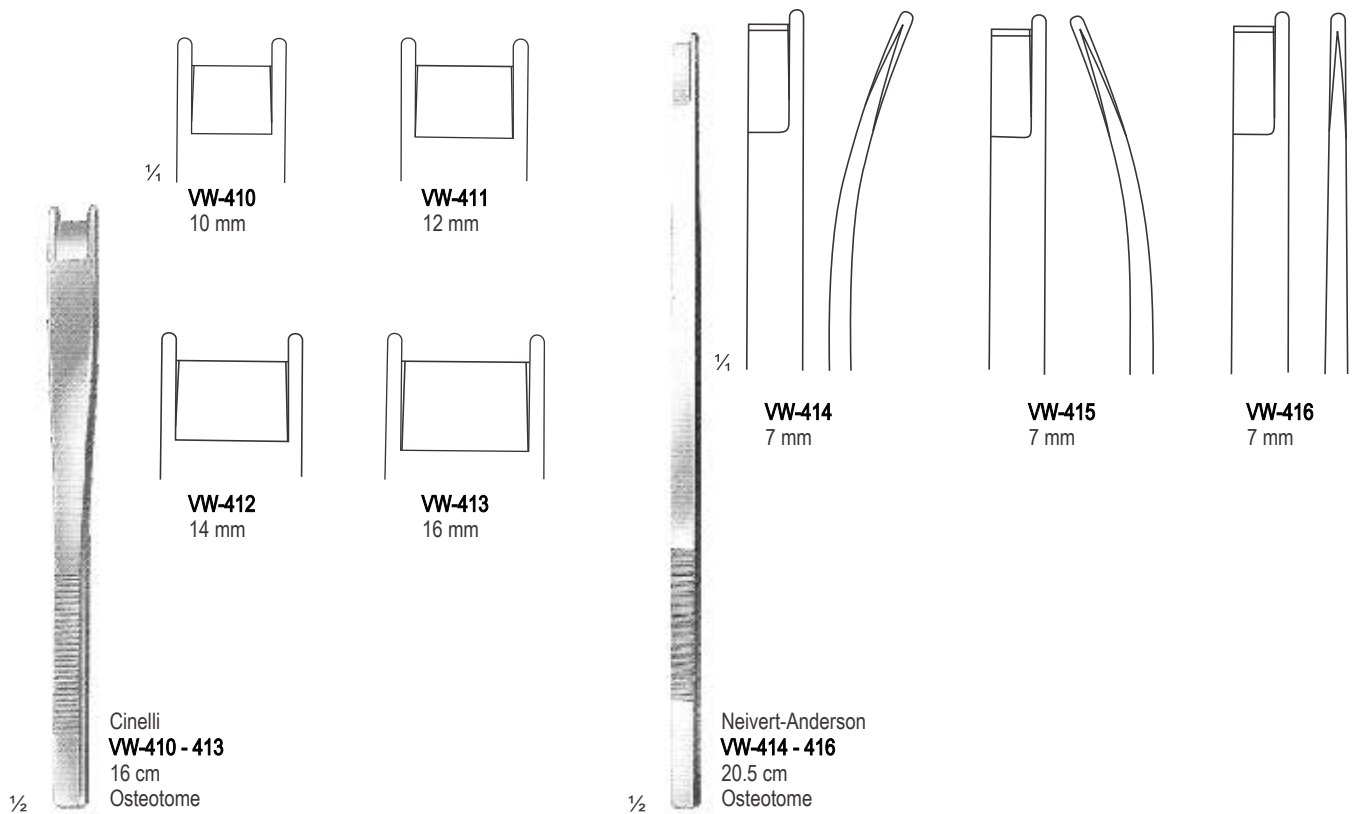


Killian-Claus
VW-395
16 cm
Septum gouge



OSTEOTOMES, CHISELS



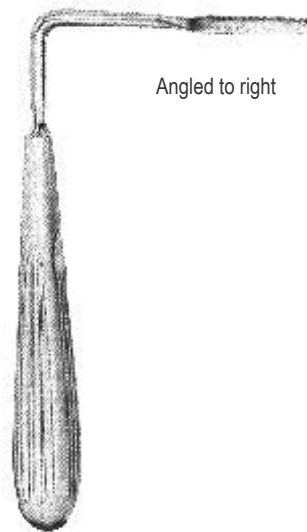


NASAL SAWS, CARTILAGE CRUSHER



Angled to left

Joseph
VW-421
17 cm
Nasal saw



Angled to right

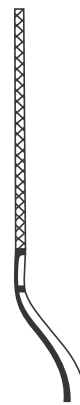
Joseph
VW-422
17 cm
Nasal saw



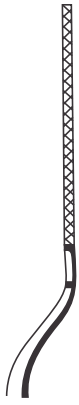
Joseph
VW-423 - 425
19 cm
Nasal saw



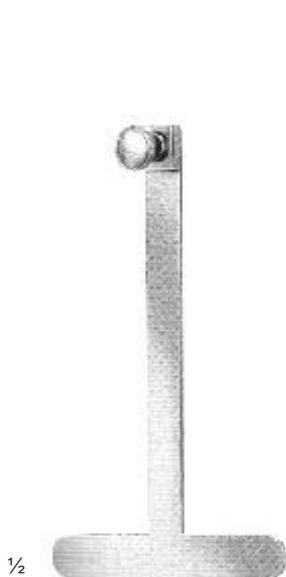
VW-423
Working length
40 mm



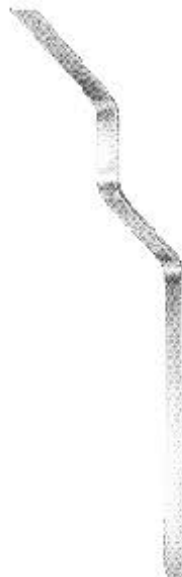
VW-424
Working length
40 mm



VW-425
Working length
40 mm



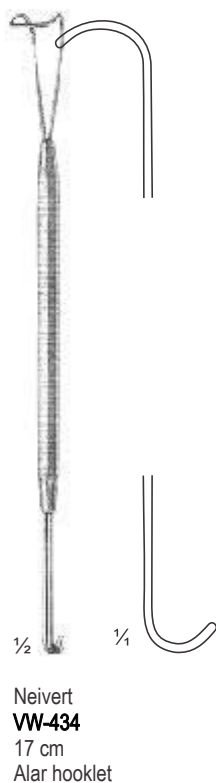
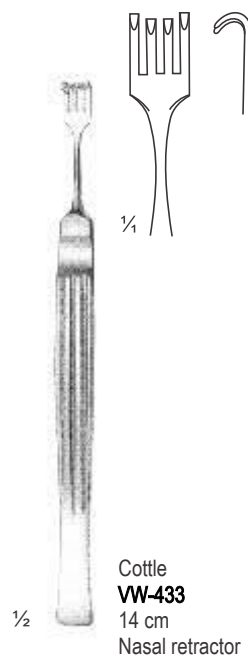
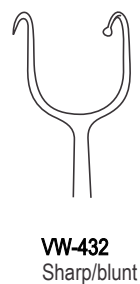
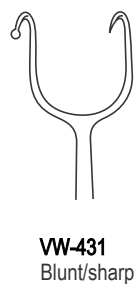
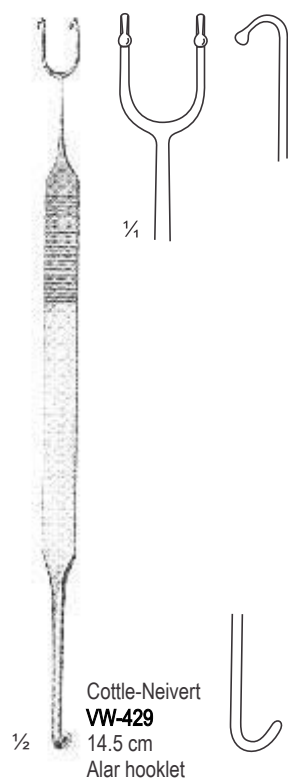
Cottle
VW-426
12 cm
Handle cartilage crusher



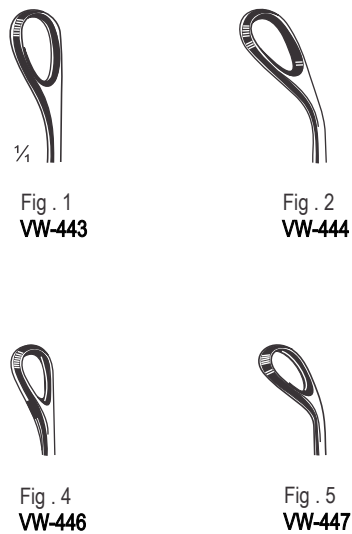
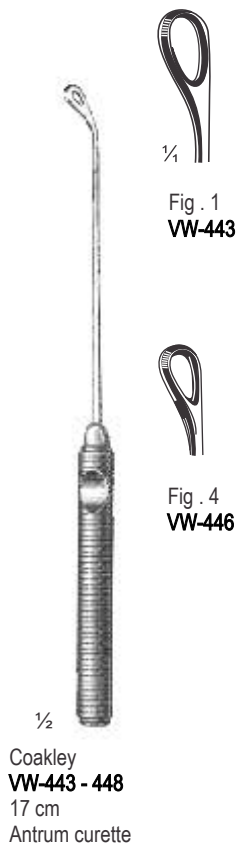
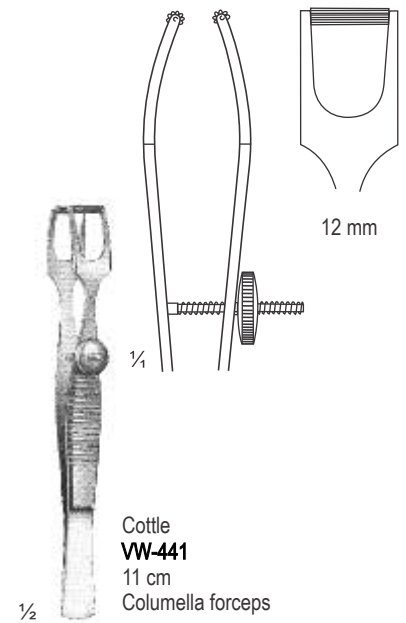
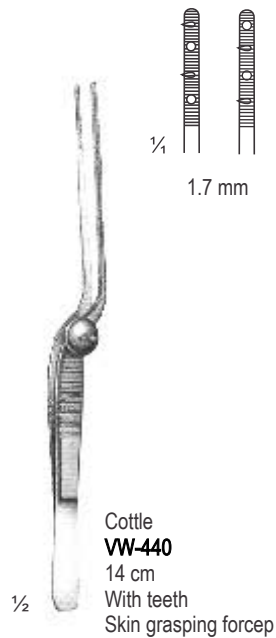
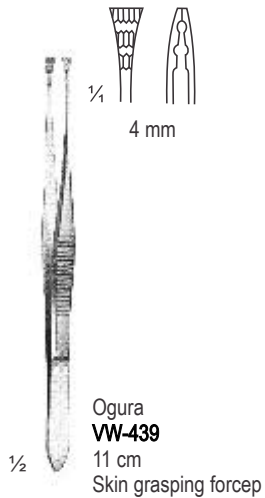
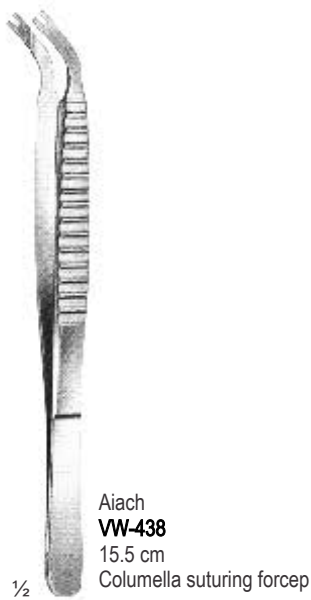
Cottle
VW-427
Guide support for osteotomes
7 mm wide
Cartilage crusher



Cottle
VW-428
Cartilage crusher
65 x 30 x 30 mm
Cartilage crusher



SKIN GRASPING FORCEPS, ANTRUM CURETTES

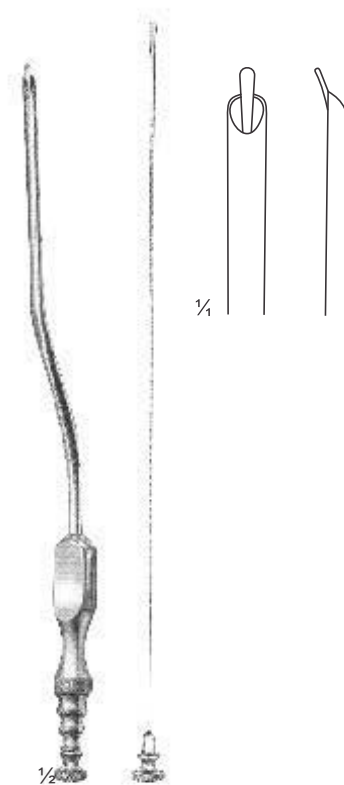




Eicken-Killian
VW-449
14cm
Antrum irrigation
Cannula



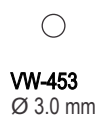
Eicken-Killian
VW-450
14 cm
Antrum irrigation
cannula



Guilen
VW-451
19 cm
Suction rasparatory



Ritter-Halle
VW-452 - 454
14.5 cm
Frontal sinus dilator



NASAL SPECULA

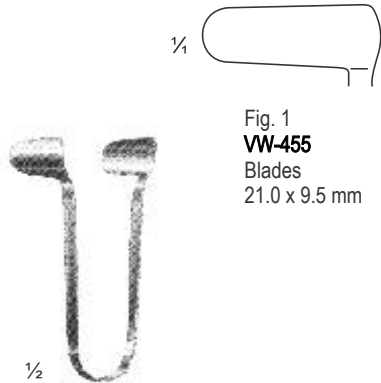


Fig. 1
VW-455
Blades
21.0 x 9.5 mm

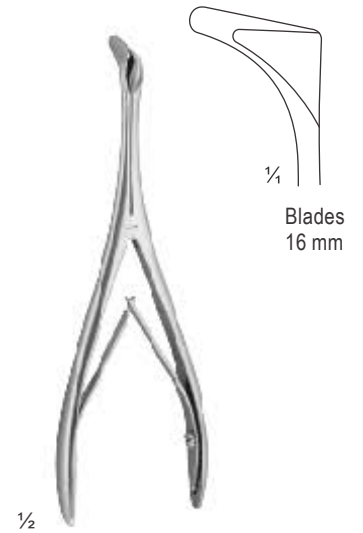
Goldsmith
(Thudichum)
VW-455 - 457
6.5 cm



Fig. 2
VW-456
Blades
21.0 x 10.5 mm



Fig. 3
VW-457
Blades
21.0 x 11.5 mm



Tieck - Halle
VW-458
13 cm

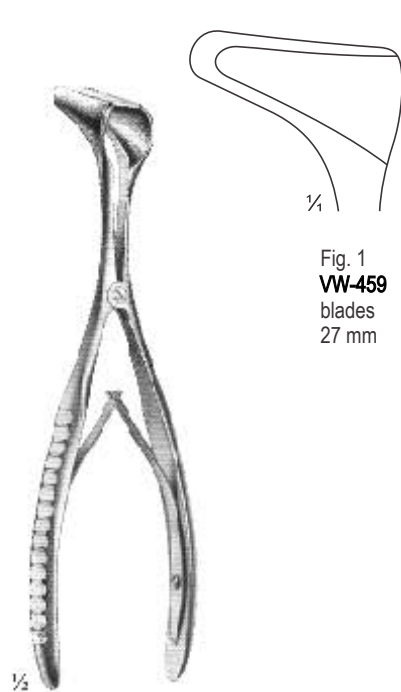


Fig. 1
VW-459
blades
27 mm

Hartmann-Halle
VW-459 - 461
16 cm

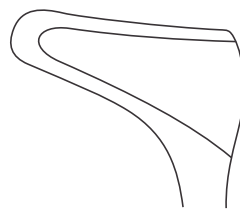


Fig. 2
VW-460
blades
31 mm

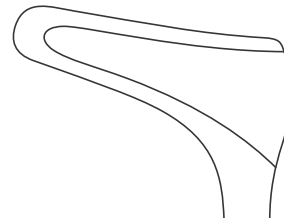


Fig. 3
VW-461
blades
35 mm



Beckmann
VW-462
15 cm



Cottle
VW-463 - 466

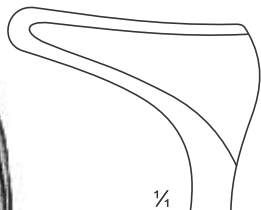


Fig. 1
VW-463
13.5 cm
Blades
35 mm

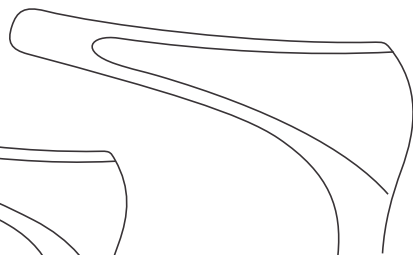


Fig. 2
VW-464
14 cm
Blades
50 mm

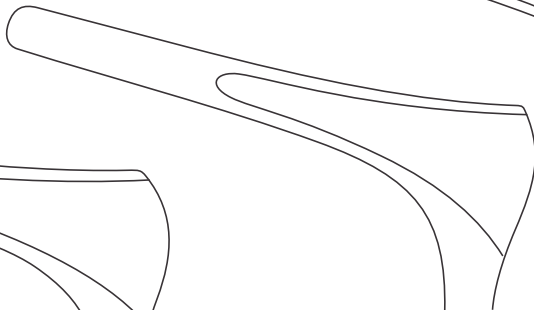


Fig. 3
VW-465
16 cm
Blades
75 mm

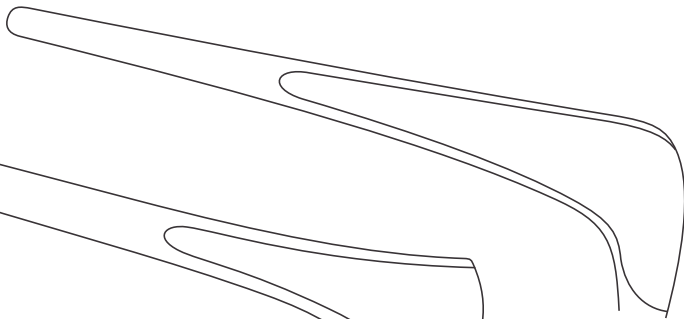


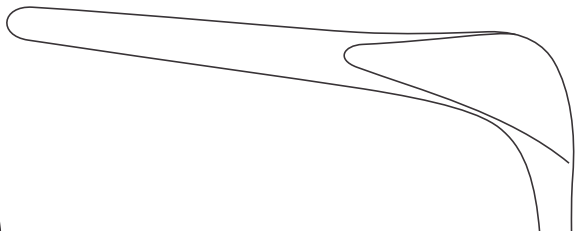
Fig. 4
VW-466
16 cm
Blades
85 mm



Cottle
VW-467 - 468



VW-467
14 cm
blades
45 mm



VW-468
15.5 cm
blades
75 mm

Page
575–591

○ Micro Instruments



1/4

WX-001



WX-002



WX-003

WX-001 - 003
VANNAS
85 mm



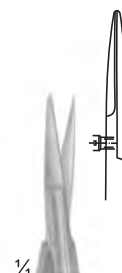
1/4

WX-004



WX-005

WX-004 - 005
CASTROVIEJO
95 mm



1/4



1/2

WX-006
NOYES
125 mm



1/4

WX-007



WX-008



1/2

WX-007 - 008
WECKER
Eye Scissor
110 mm



1/4



1/2

WX-009
CASTROVIEJO
Eye Scissor
115 mm



1/4

WX-010



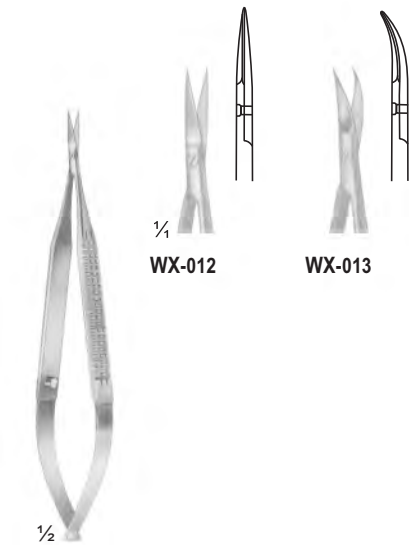
WX-011



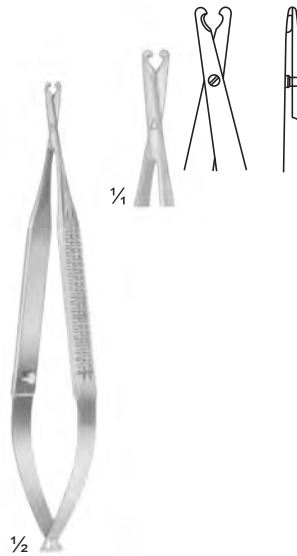
1/2

WX-010 - 011
CASTROVIEJO
Eye Scissor
110 mm

MICRO SCISSORS “SPRING TYPE” FLAT HANDLES

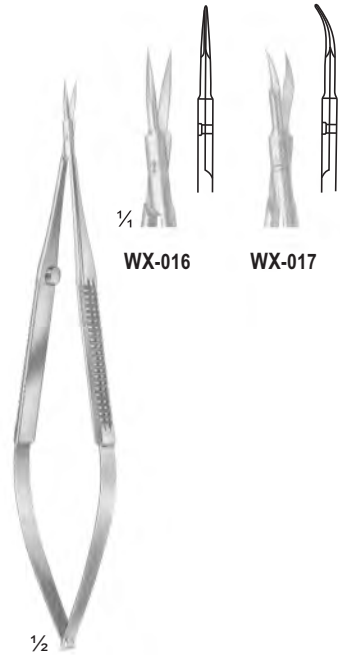


WX-012 - 013
120 mm

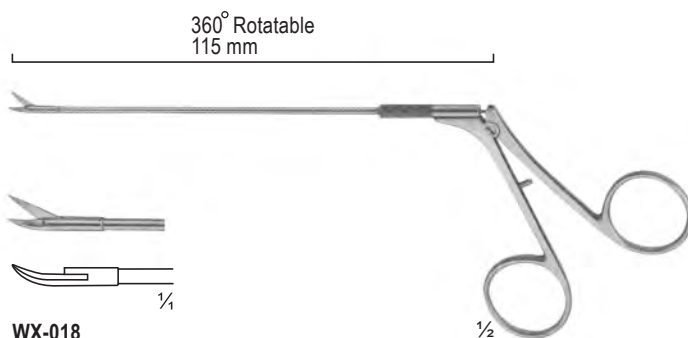


WX-014
BIEMER
Vein Scissor
130 mm

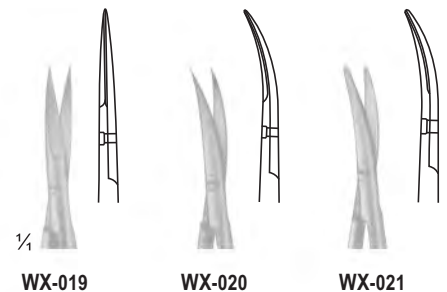
WX-015
160 mm



WX-016 - 017
VANNAS
160 mm



WX-018
CASPAR
Micro Scissor Curved
115 mm



WX-019

WX-020

WX-021



WX-019 - 021
Micro Dissecting Scissor
145 mm



1/4

WX-022
YASARGIL
245 mm



1/4
WX-023



1/4
WX-024



1/2
WX-023 - 024
Laterally Angled
200 mm



1/2
WX-025
Laterally Angled
190 mm



1/4
WX-026

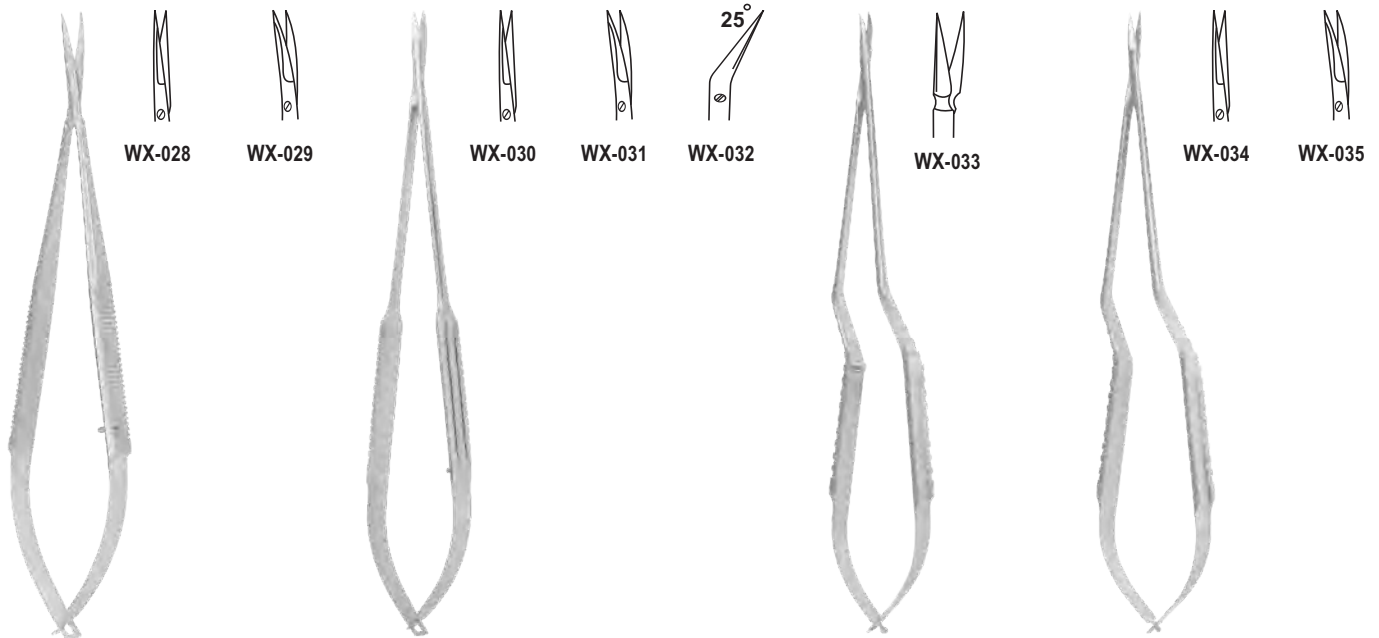


1/4
WX-027



1/2
WX-026 - 027
YASARGIL
225 mm

MICRO SPRING SCISSORS

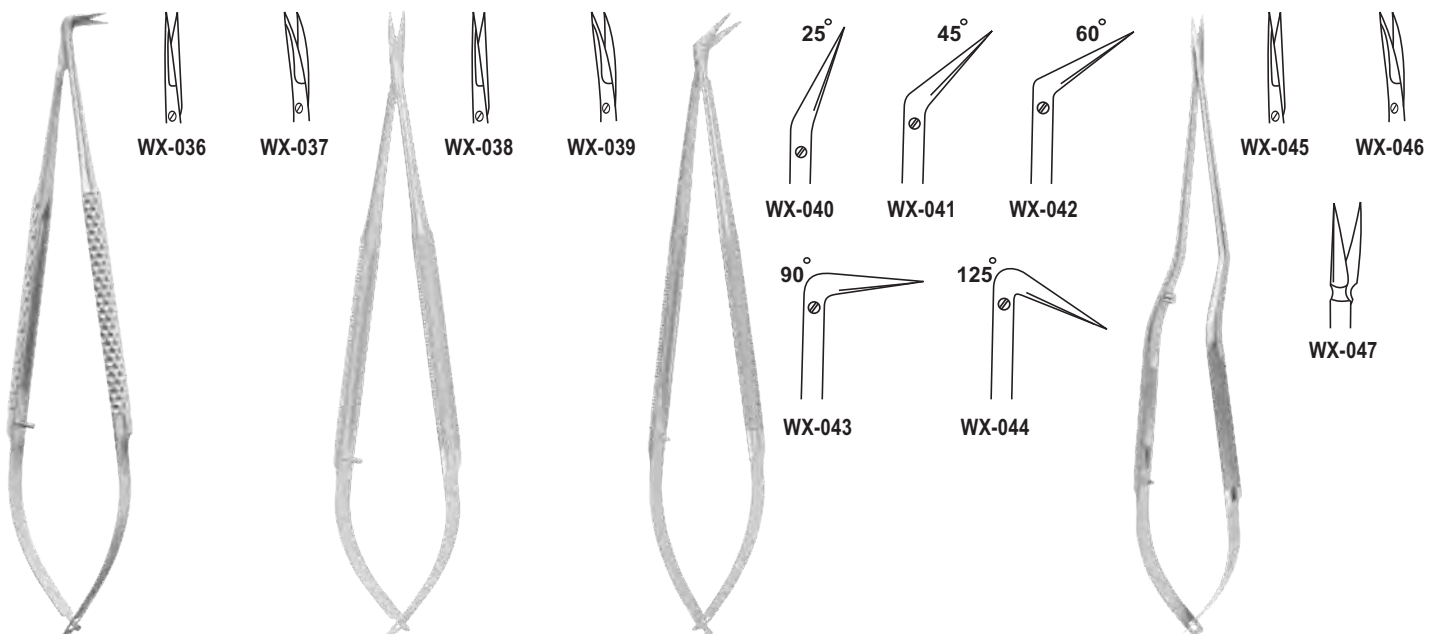


WX-028 - 029
CASTROVIEJO
Spring Scissors
15, 18 cm

WX-030 - 032
STREAMLINE
Micro Coronary
Scissors
15, 18, 21, 23 cm

WX-033
STREAMLINE
Spring Scissors
23 cm

WX-034 - 035
STREAMLINE
Spring Scissors
23 cm

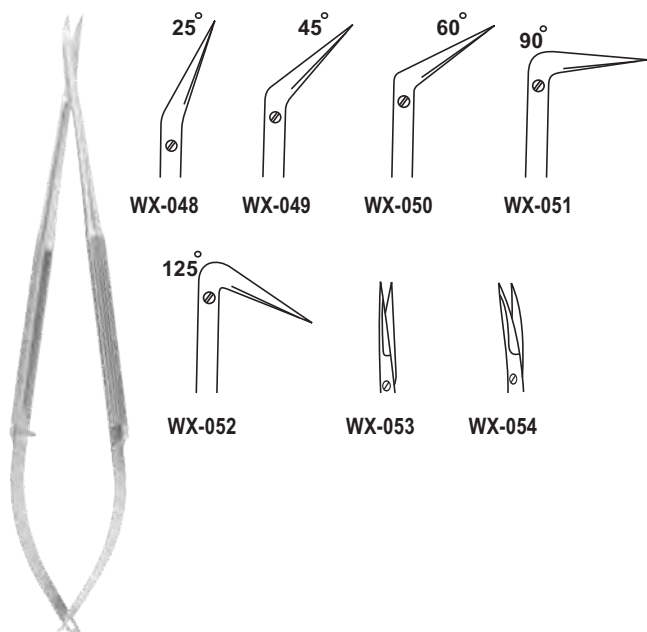


WX-036 - 037
TOLEDO
Spring Scissors
16.5 cm

WX-038 - 039
BARRAQUER
Spring Scissors
12, 15, 18 cm

WX-040 - 044
BARRAQUER
Spring Scissors
18 cm

WX-045 - 047
BARRAQUER
Spring Scissors
Bayonet
22 cm



WX-048 - 054
STREAMLINE
Spring Scissors
18, 21 cm



WX-055
ONG-TREUMER
Capsulotomy Scissors
8 cm



WX-056
VANNAS-TUBINGEN
After-Cataract Scissors
8 cm
8 mm



WX-057
WESTCOTT
Tenotomy Scissors
11 cm



WX-058
WESTCOTT
Micro-Tenotomy
Scissors
10.5 cm



WX-059
Micro Spring
Scissors
10.5 cm
12 mm



WX-060
CASTROVIEJO
Corneal Scissors
10.5 cm



WX-061
TROUTMAN
Corneal Scissors
10 cm

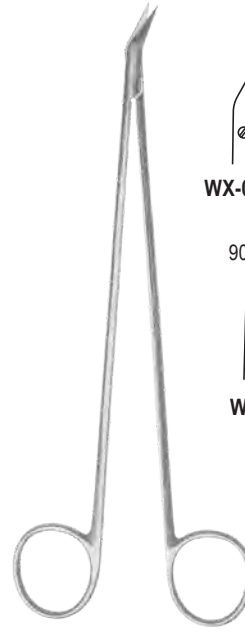
SCISSORS AND MICRO FORCEPS



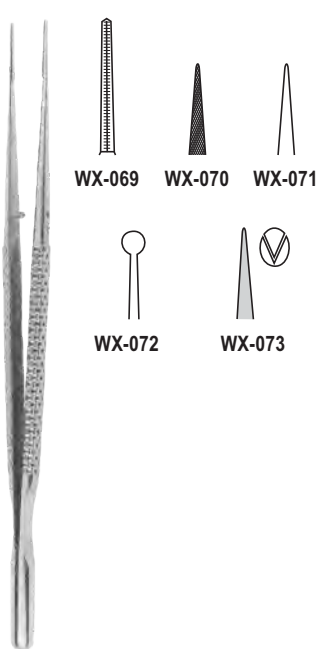
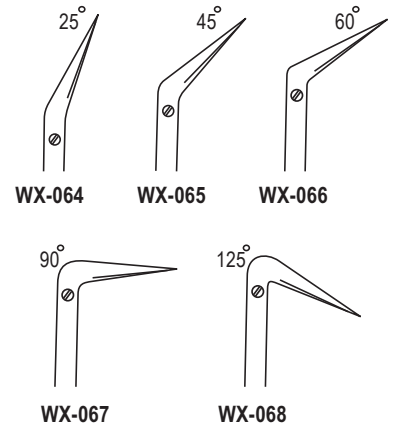
WX-062
BONN
Eye Scissors
9 cm



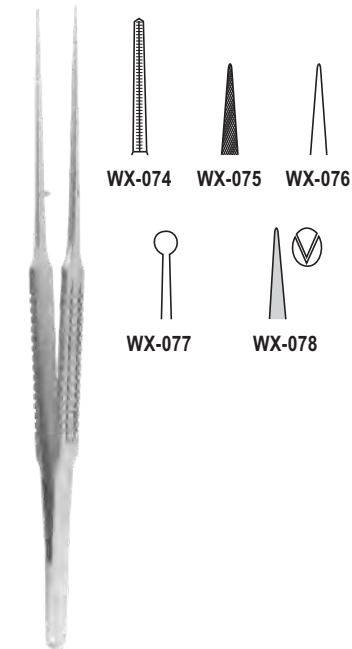
WX-063
Eye Scissors
10.6 cm



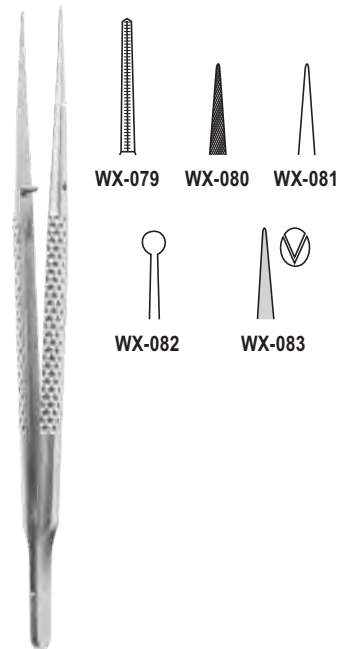
WX-064 - 068
HEGEMANN
Ring Scissors
18 cm



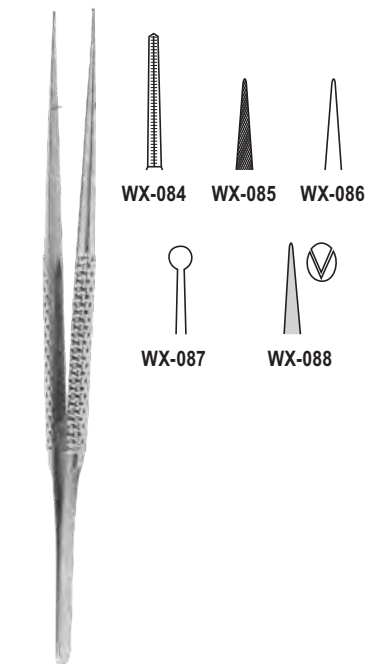
WX-069 - 073
TOLEDO
Forceps Heavy
18, 21 cm



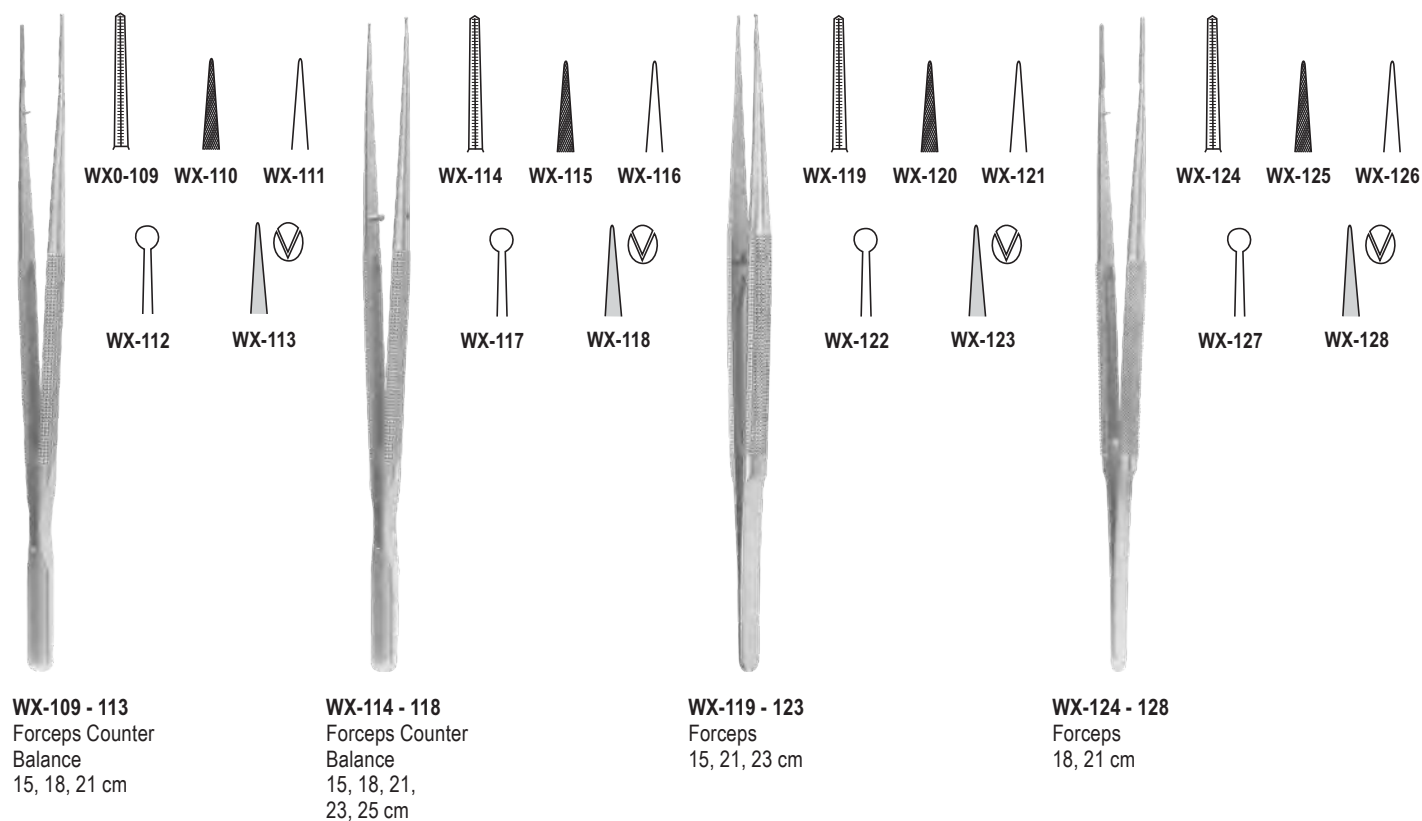
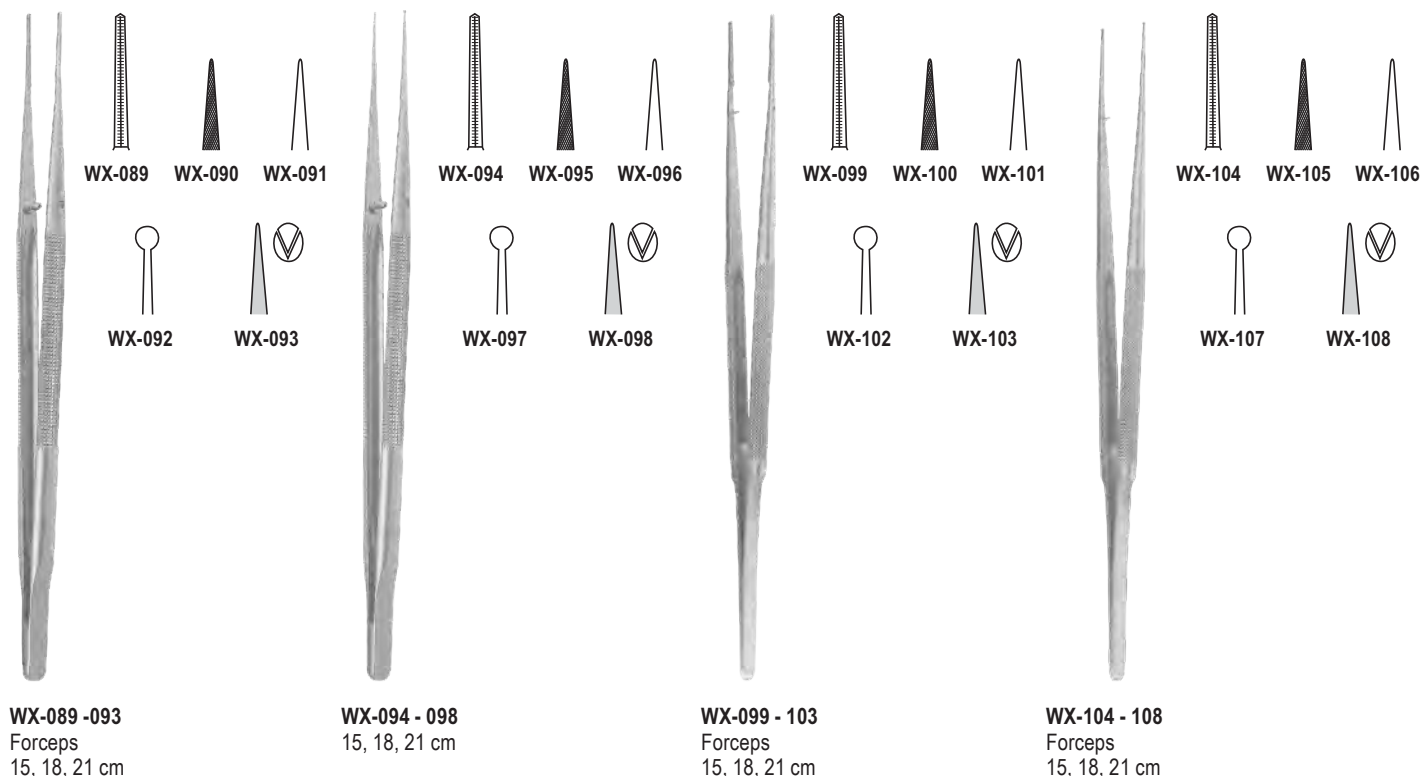
WX-074 - 078
Forceps
15, 18 cm



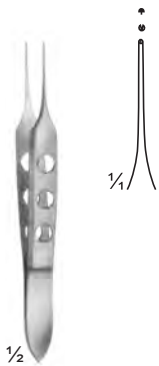
WX-079 - 083
TOLEDO
Forceps
18, 21 cm



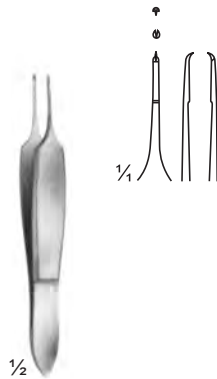
WX-084 - 088
15, 18, 21 cm



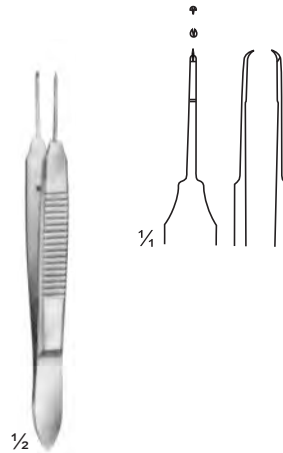
DELICATE TISSUE FORCEPS



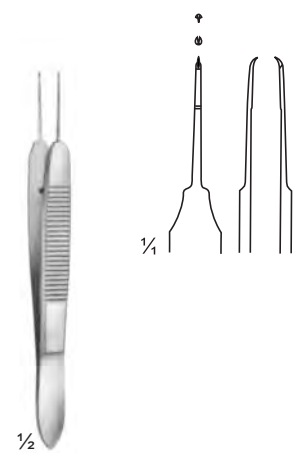
BISHOP-HARMON
WX-129
8.5 cm



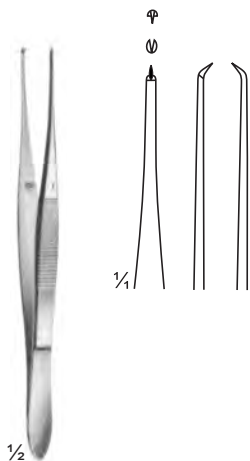
ST. MARTIN
WX-130
8 cm



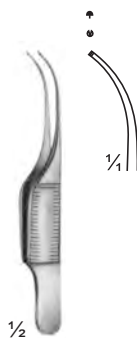
CASTROVIEJO
WX-131
teeth 0.9 mm
10 cm



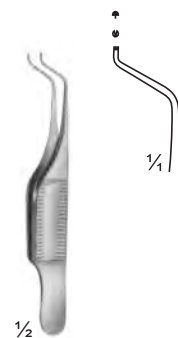
CASTROVIEJO
WX-132
teeth 0.5 mm
10 cm



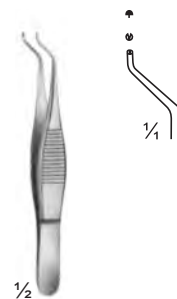
ELSCHING
WX-133
11 cm



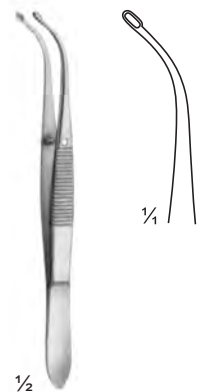
GILL
WX-134
7.5 cm



GILL - HESS
WX-135
7.5 cm



HESS
WX-136
7 cm



ARRUGA
WX-137
10 cm

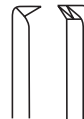


WX-138

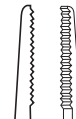
WX-138
Colibri Forceps With
Tying Platform
8 cm



WX-139
Utility Forceps
10 cm



WX-140



WX-141

WX-140 - 141
TUBINGEN
Suture Forceps
8.5, 11 cm



WX-142
BONN
Suture Forceps
7.5 cm



WX-143
BONN
Iris Forceps
8 cm



WX-144
McDonalds-Spaleck
Lense Implantation
Forceps Crossaction
10 cm
5, 6 mm



WX-145
FAULKNER
Holding Forceps
10 cm
5, 6, 11 mm



WX-146
Spaleck-microma
Lense Implantation
Forceps
10 cm
5.6, 6.6 mm

MICRO HOOKS, SHARP INSTRUMENTS AND EYE RETRACTOR



WX-147
Hook



WX-148
JAMESON
Strabismus Hook



WX-149
GRAEFE
Strabismus Hook
13, 14 cm



WX-150
GRAEFE
Iris Hook



WX-151
GILLES
Skin Hook



WX-152
GUTHRIE
Fixation Hook,
double



WX-153
MEYHOFER
Spoon



WX-154
KUHN
Corneal Scarifier



WX-155
GRAEFE
Scarifier



WX-156
Foreign Body
Needle



WX-157
HAMBURG
Air Keratome



WX-158
DESMARRES
Eye Retractor



WX-159
BOWMAN
Lachrymal
Probes



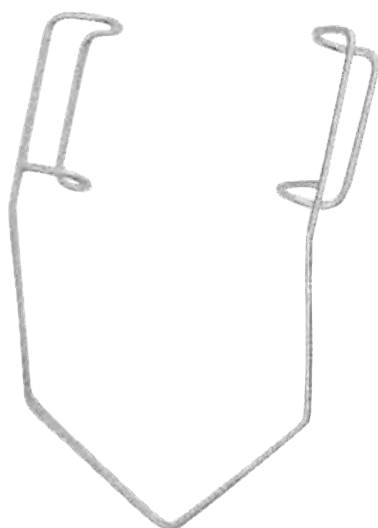
WX-160
WILDER
Lachrymal
Probes



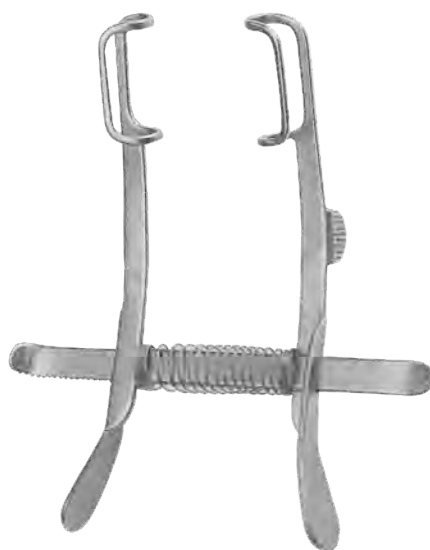
WX-161
WEISS
Eye Speculum



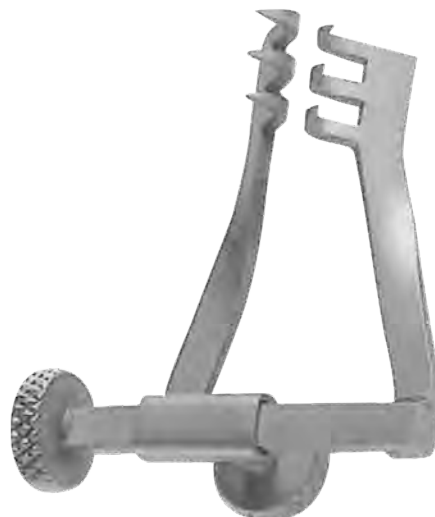
WX-162
CASTROVIEJO
Eye Speculum



WX-163
BARRAQUER
Eye Speculum



WX-164
MELLINGER
Eye Speculum



WX-165
MINIGOLDSTEIN
Self-Retaining Retractors
3 Teeth
2 cm

SELF RETAINING RETRACTORS



WX-166
ALM
Self-Retaining Retractors
4 Teeth
7 cm



WX-167
ALM
Self-Retaining Retractors
4 Teeth
10 cm



WX-168
HOLTZHEIMER
Self-Retaining Retractors
4 Teeth
10 cm



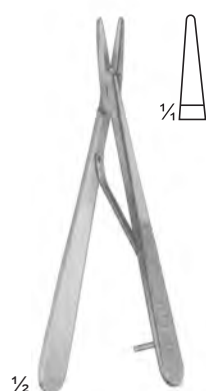
WX-169
HOLTZHEIMER
Self-Retaining Retractors
4 Teeth
10 cm



WX-170
Cross Action
Forceps
28 mm



WX-171
Cross Action
Forceps
35 mm



WX-172
ROHRSCHEIDER
With copper inserts
100 mm



WX-173
KALT
With catch
135 mm



WX-174
ARRUGA
With catch
135 mm

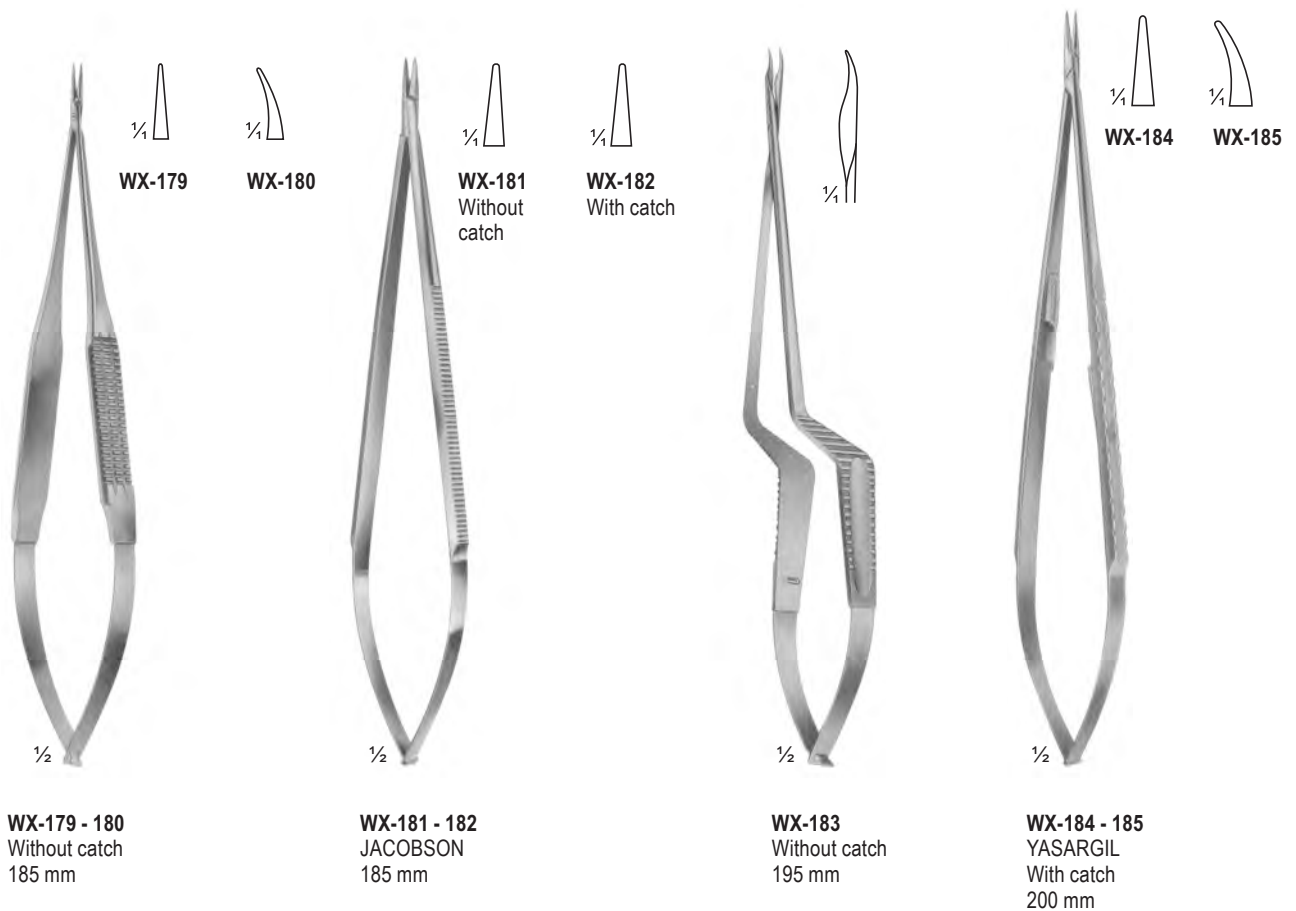


WX-175 - 176
CASTROVIEJO
With catch
145 mm



WX-177 - 178
CASTROVIEJO
Without Catch
160 mm

NEEDLE HOLDERS FOR MICRO SURGERY





WX-186 - 187
BARRAQUER
Without catch



WX-186
115 mm



WX-187
135 mm



WX-188 - 189
BARRAQUER
Without catch
120 mm



WX-188



WX-189



WX-190 - 191
BARRAQUER
Without catch
120 mm



WX-190



WX-191



WX-192 - 193
BARRAQUER
Without Catch
150 mm

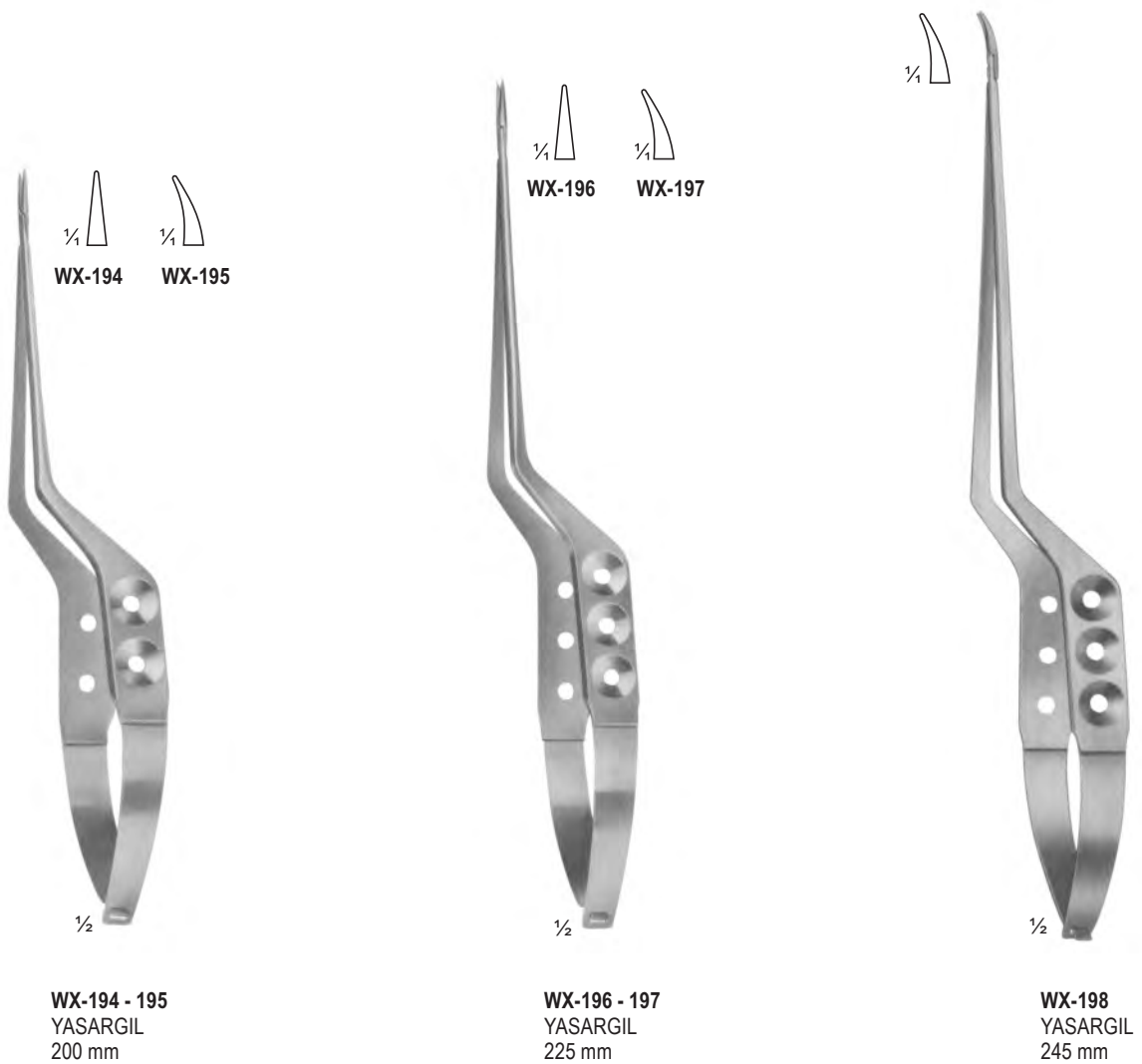


WX-192



WX-193

MICRO NEEDLE HOLDERS





WX-199



WX-200



WX-201



WX-202



CASTROVIEJO
WX-199 - 202
145 mm



WX-203



WX-204



WX-205



WX-206



CASTROVIEJO
WX-203 - WX-206
180 mm



WX-207



WX-208



WX-209



WX-210



BARRAQUER
WX-207 - 210
145 mm



HEPP SCHEIDEL
WX-211
180 mm

Page 592–604

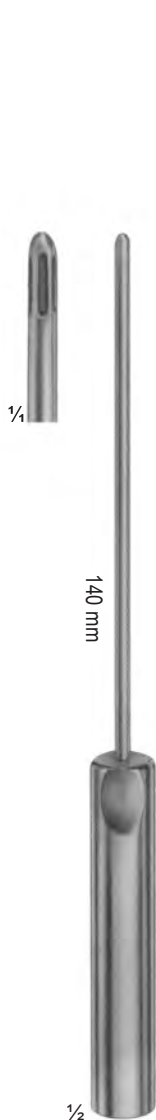
○ Suction Instruments


XY-001 - 006

BIEMER

- XY-001** 4 mm
- XY-002** 6 mm
- XY-003** 8 mm
- XY-004** 10 mm
- XY-005** 12 mm
- XY-006** 14 mm

Curettes for aspiration lipectomy, graduated, slightly curved


XY-007 - 008

BIEMER

- XY-007** 4 mm
- XY-008** 6 mm

Curettes for aspiration lipectomy, with three apertures, slightly curved malleable


XY-009 - 011

BIEMER

- XY-009** 8 mm
- XY-010** 10 mm
- XY-011** 12 mm

Curettes for aspiration lipectomy, with three apertures, slightly curved malleable


XY-012

For aspirating fluid from the excretory ducts of large glands and for keeping the operating area clear 170 mm


XY-013

Trocar

For puncturing 150 mm


XY-014

For clearing large quantities of fluid 190 mm

SUCTION INSTRUMENTS



XY-015
Trocar
For puncturing
170 mm



XY-016
Hollow needle,
sharp
150 mm



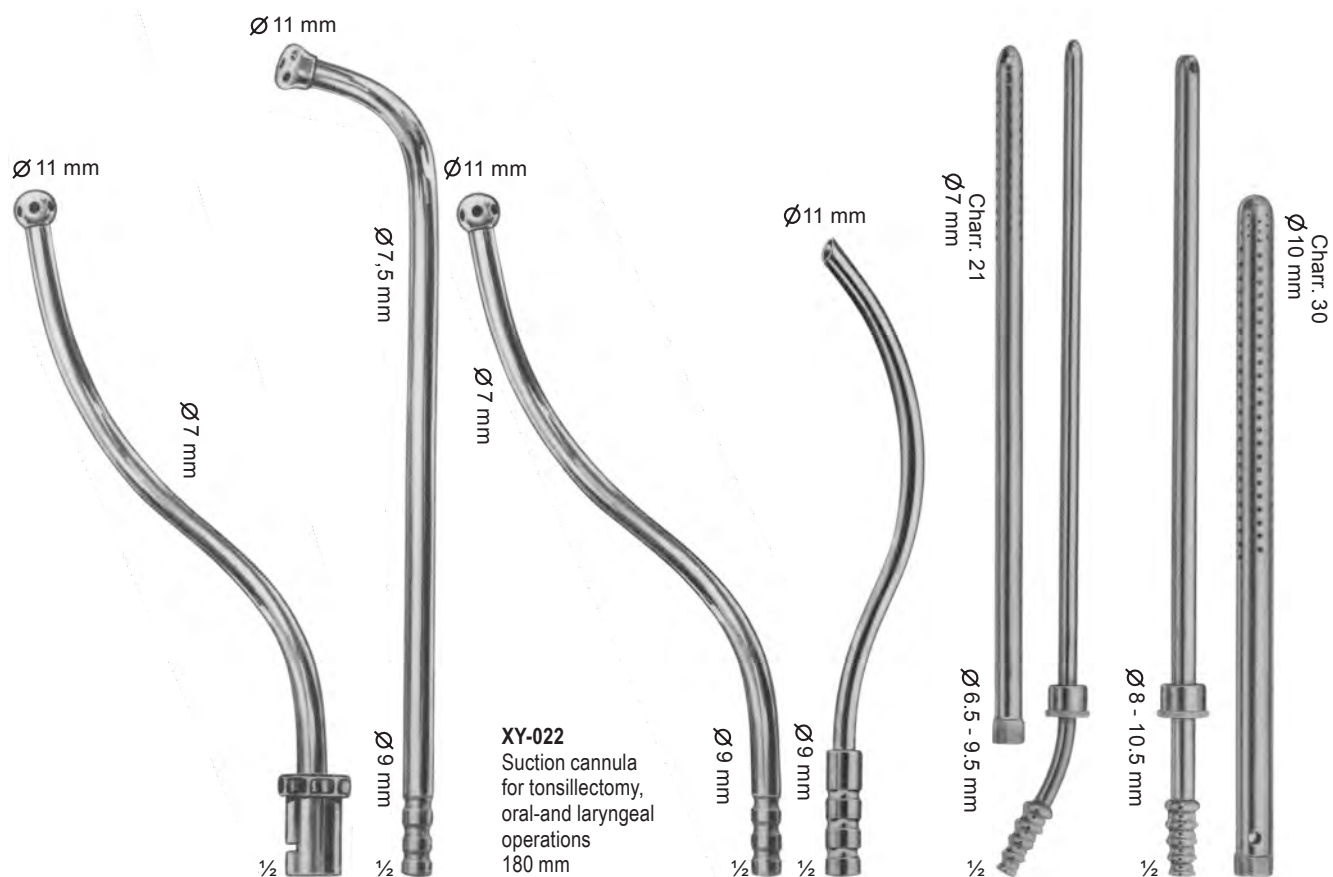
XY-017
double curved
For general
surgery
230 mm



XY-018
For tonsillectomy,
oral and laryngeal
operations
190 mm



XY-019
For tonsillectomy,
oral and laryngeal
operations
220 mm



XY-020
For tonsillectomy,
oral-and laryngeal
operations
180 mm

XY-021
Suction cannula
for tonsillectomy,
oral-and laryngeal
operations
220 mm

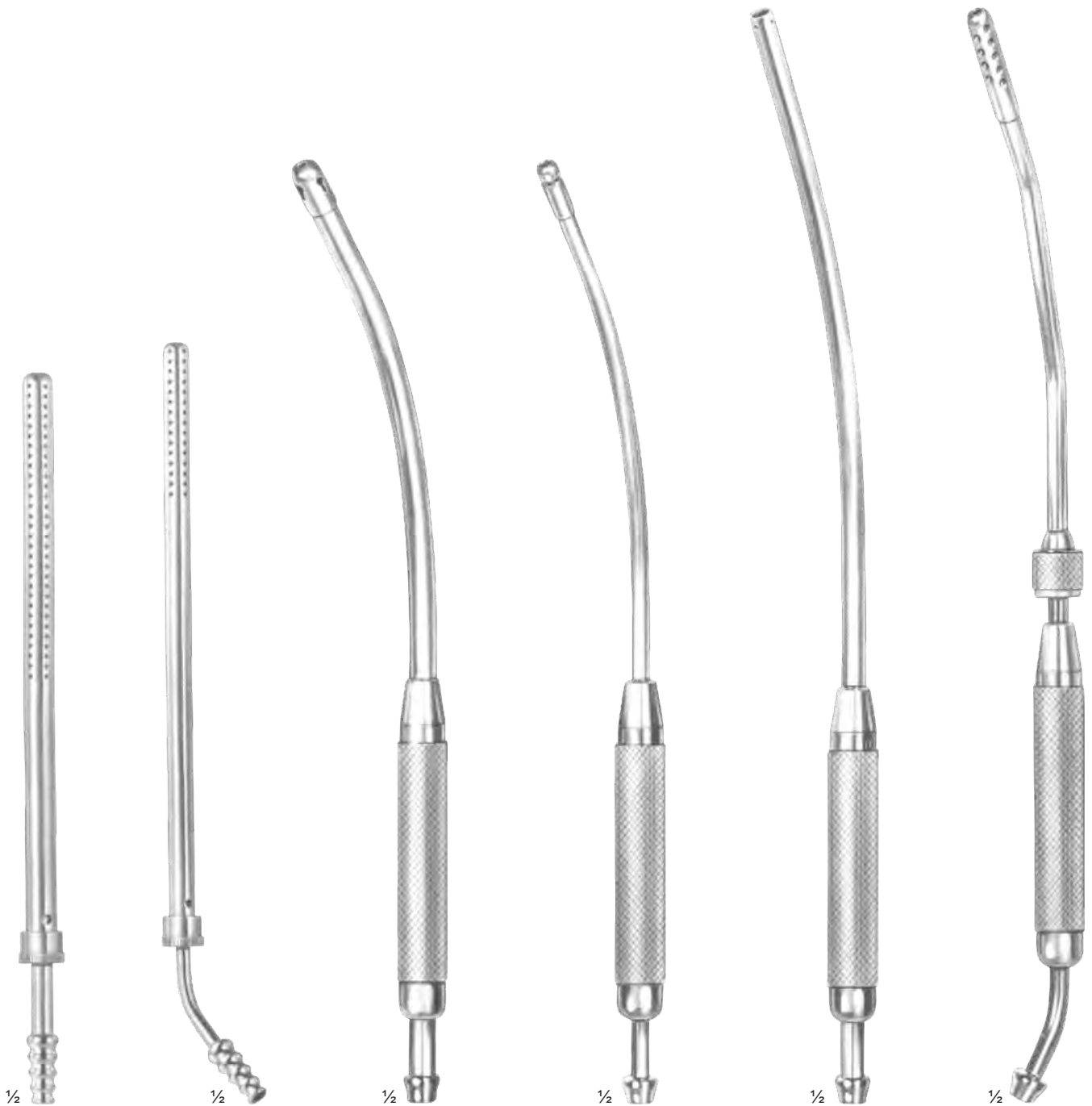
XY-022
Suction cannula
for tonsillectomy,
oral-and laryngeal
operations
180 mm

XY-023
S-shaped blunt cannula
for aspirating fluid from
the excretory ducts of
large glands and for
keeping the operations
area clear
170 mm

XY-024
POOL
Suction cannula,
with outer tube
to be screwed of
225 mm

XY-025
POOL
Suction cannula,
with outer tube
to be screwed of
225 mm

SUCTION INSTRUMENTS



**POOLE
XY-026**
24 cm
Ø10 mm

**POOLE
XY-027**
25 cm
Ø 8 mm

**COLLEY
XY-028**
with perforated screw tip
31 cm
Ø10 mm

**COLLEY
XY-029**
with perforated screw tip
31 cm
Ø7 mm

**COLLEY
XY-030**
36 cm
Ø 8 mm

**COLLEY
XY-031**
with perforated
screw tip
36 cm
Ø 8 mm



DE-BAKEY
XY-032
with finger cut-off
and stylet
16 cm
1/4
5 mm
6 mm



NUBOER
XY-033
round opening
21 cm
Ø 10 mm



NUBOER
XY-034
oval opening
21 cm
Ø 6 mm



○
XY-037
9 cm
Ø 1.5 mm

○
XY-038
9 cm
Ø 2 mm

○
XY-039
9 cm
Ø 2.5 mm

1/4 ○
XY-040
9 cm
Ø 3.5 mm



BYRD
XY-041 - 043
with tube connector
17 cm
1/2

○
XY-041
9 cm
Ø 3 mm

○
XY-042
9 cm
Ø 3.5 mm

1/4 ○
XY-043
9 cm
Ø 4.3 mm



COGSWELL
XY-044
with finger cut-off
24.5 cm
Ø 3.8 mm
1/2



FRAZIER
XY-035
24 cm
Ø 3.3 mm
1/2



ADSON
XY-036
20 cm
Ø 4 mm
1/2



COUPLAND
XY-037 - 040
with tube connector
17 cm
1/2

SUCTION INSTRUMENTS



**YANKAUER
XY-045**
complete, with suction
tip and connector
31 cm



**YANKAUER
XY-046**
complete, with handle, 4 tube,
suction tip and tube connector
31 cm



**Fig. 0
XY-049**
10 cm



**Fig. 1
XY-050**
10 cm



**Fig. 2
XY-051**
10 cm



**Fig. 3
XY-052**
complete, with
suction tip
13.5 cm



XY-047
Handle
15 cm



XY-048
2.5 cm

WULLSTEIN
XY-053
Suction tube, convical, silver, oliver
with LUER hub
16 cm

Ø1,75 mm

Ø3 mm

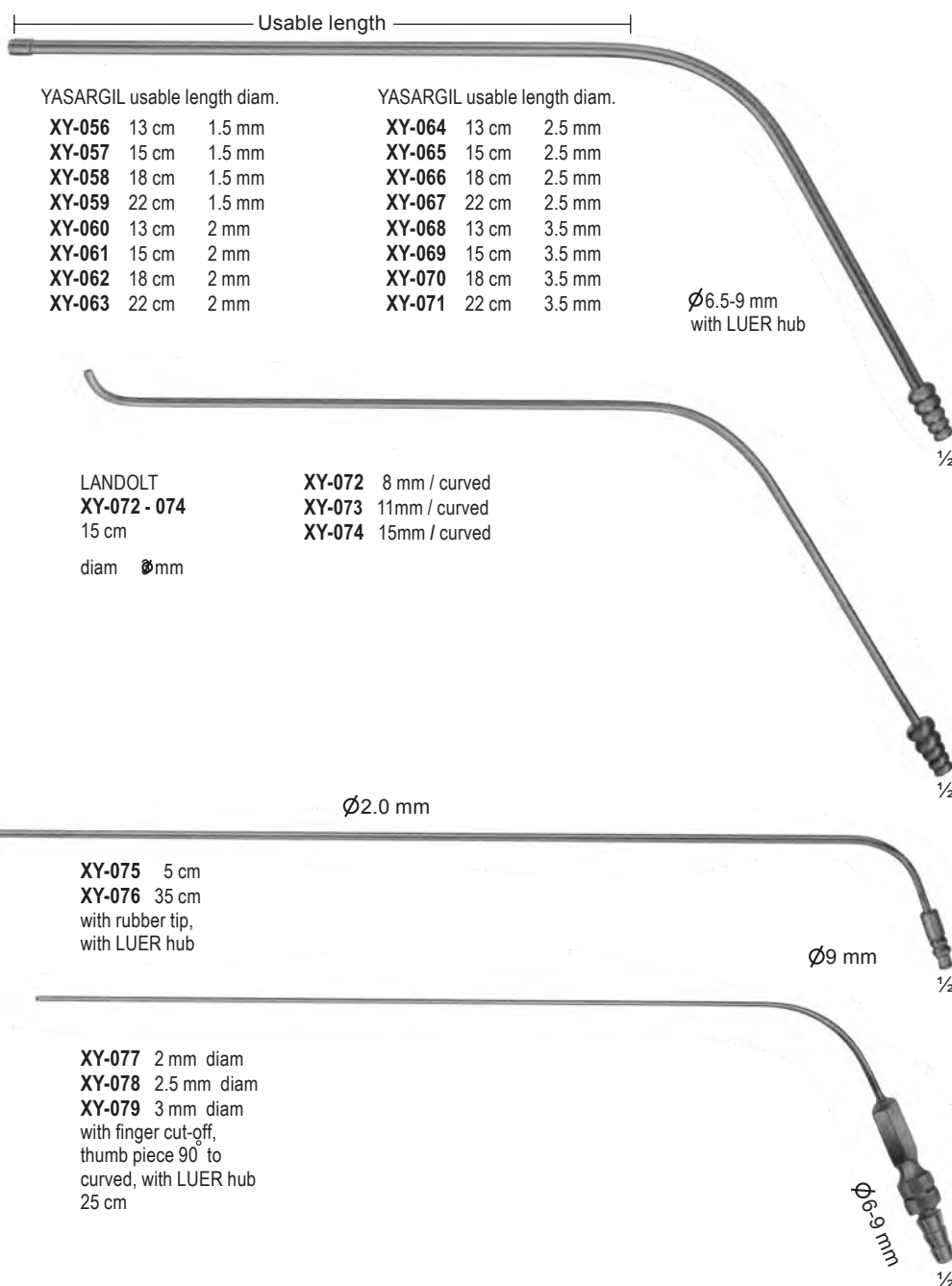
1/2

Ø8 mm

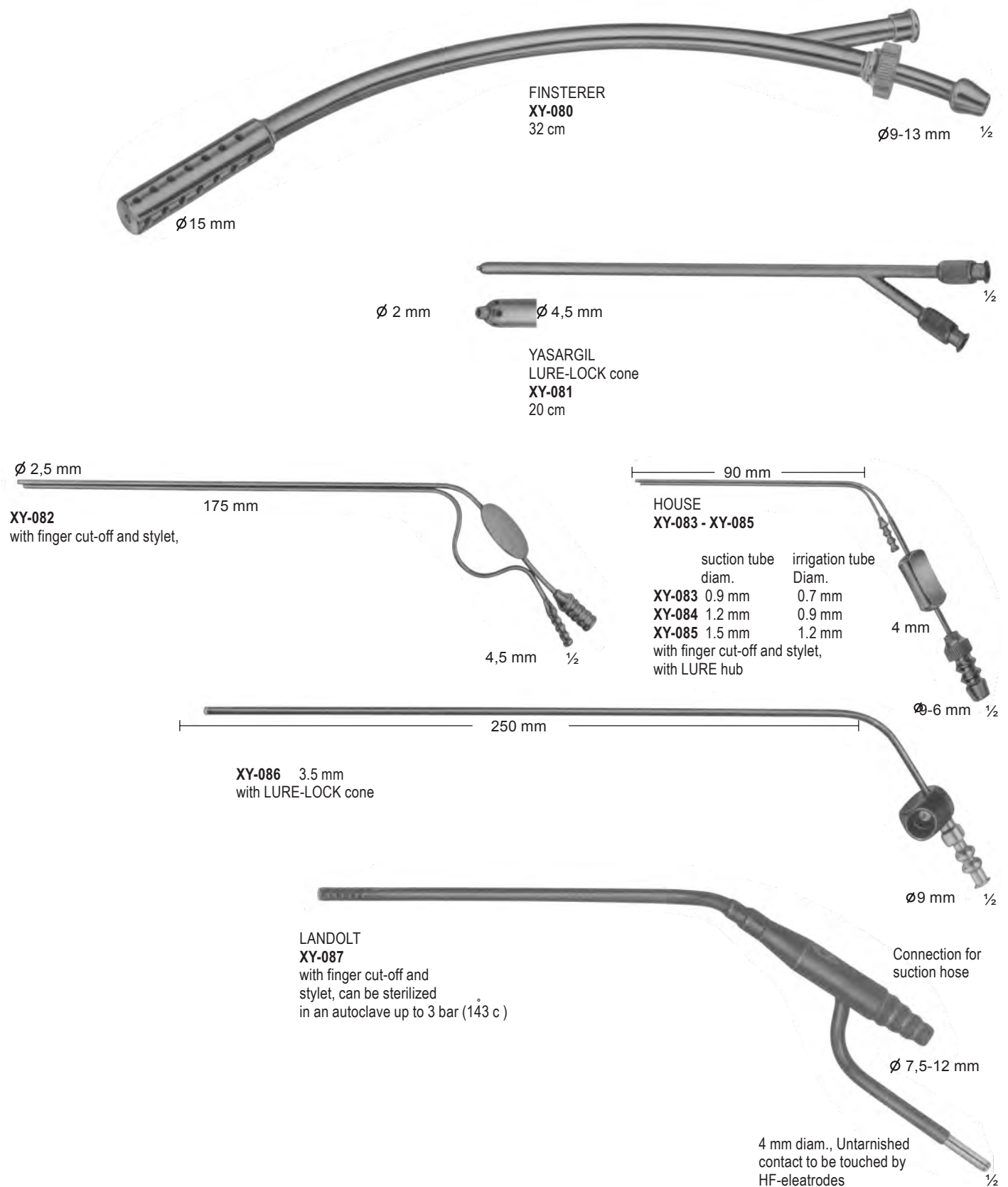
WULLSTEIN
XY-054 1.5 mm
XY-055 2 mm
Suction tube, cylindrical, silver, with
stylet with LUER hub
16 cm

1/2

Ø8 mm



COMBINED SUCTION AND IRRIGATION CANNULA





1/2

WULLSTEIN
XY-088 - 090
14 cm
handle with tube, only

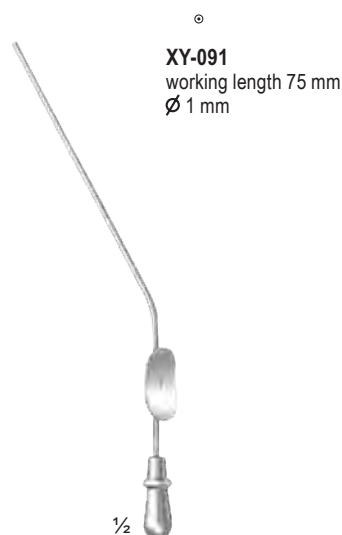
WULLSTEIN
XY-088
4.5 cm
Mirco Suction Cannula
Complete, with handle and 3 tips
Ø 0.4 mm



WULLSTEIN
XY-089
4.5 cm
Mirco Suction Cannula
Complete, with handle and 3 tips
Ø 0.6 mm



WULLSTEIN
XY-090
4.5 cm
Mirco Suction Cannula
Complete, with handle and 3 tips
Ø 0.8 mm



1/2

BARON-SCHUKNECHT
XY-091 - 093
with finer cut-off

XY-091
working length 75 mm
Ø 1 mm

XY-092
working length 75 mm
Ø 1.5 mm

XY-093
working length 75 mm
Ø 2 mm



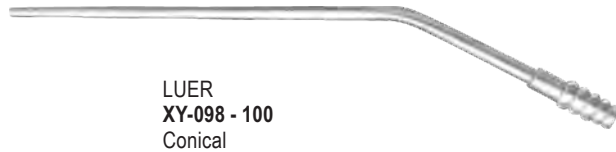
1/2

ZOELLNER
XY-094 - 097
Suction Cannula

Suction Tip

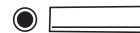
XY-094 Ø 0.5 mm
XY-095 Ø 0.7 mm
XY-096 Ø 0.9 mm
XY-097 Ø 1.2 mm

SUCTION INSTRUMENTS

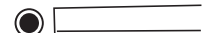


LUER
XY-098 - 100
Conical

1/2



XY-098
16.5 cm
Ø 3 mm
working length
110 mm



XY-099
16.5 cm
Ø 3.5 mm
working length
110 mm



XY-100
18 cm
Ø 4.5 mm
working length
130 mm



YASARGIL
XY-101 - 104
working length
15 cm

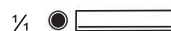
1/2



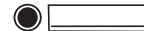
XY-101
17 cm
Ø 1.5 mm



XY-102
17 cm
Ø 2 mm



XY-103
17 cm
Ø 2.5 mm



XY-104
17 cm
Ø 3.5 mm



XY-105
YANKAUER
with especially large
central bore, 4,8 mm
diam.
285 mm

XY-106
YANKAUER
with central bore,
2,0 mm diam.
285 mm

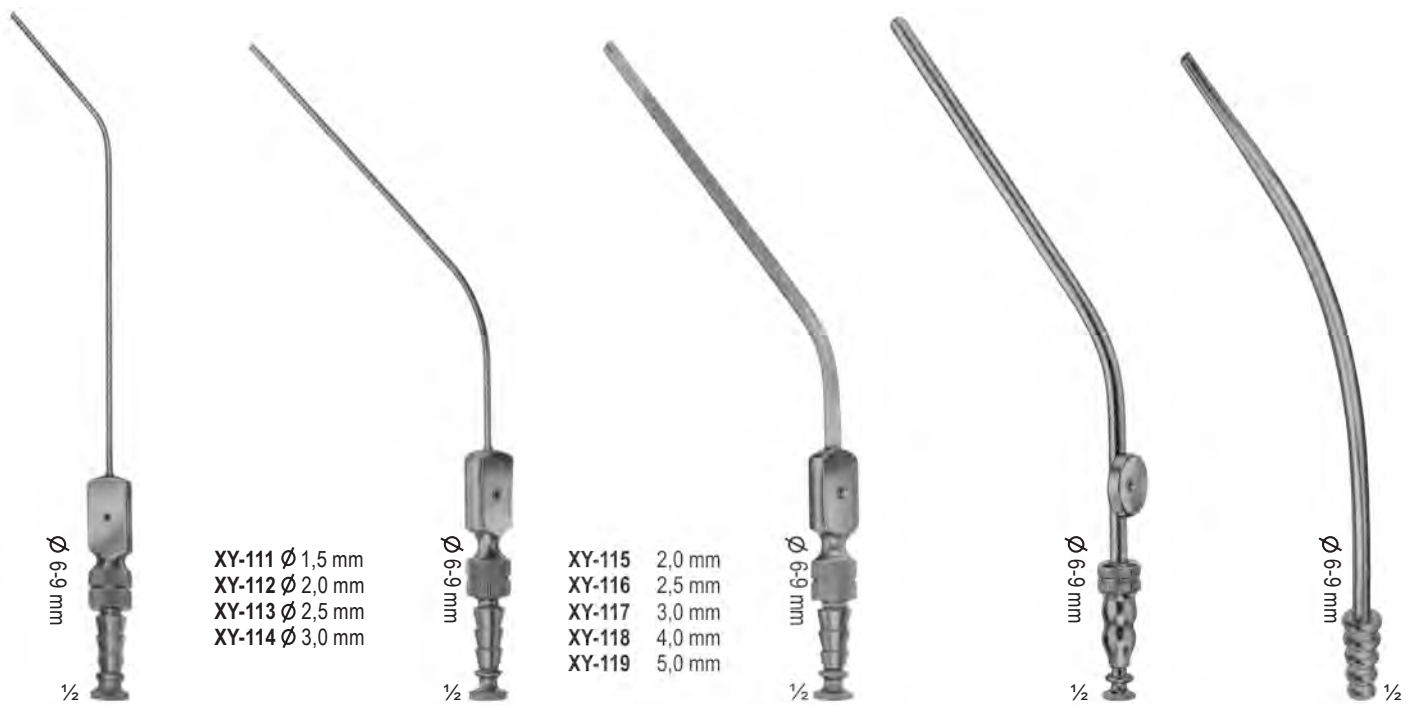
XY-107
DE-BAKEY
with central bore,
3,0 mm diam. with
lateral slots
275 mm

XY-108
DE-BAKEY
with finger cut-off
and stylet
270 mm

XY-109
DE-BAKEY
with finger cut-off
and stylet
160 mm

XY-110
with finger
cut-off
190 mm

SUCTION INSTRUMENTS



XY-111 - 114

PLESTER
with finger cut-off and
stylet, thumb piece
parallel to curved, with
LUER hub
195 mm

XY-115 - 119

FERGUSON
with finger cut-off and
stylet, thumb piece
90° to curved, with
LUER hub
180 mm

XY-120 Ø4,0 mm

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

XY-121 Ø3,0 mm

XY-122 Ø5,0 mm
FRAZIER
insulated, with finger
cut-off and stylet, thumb
piece 90° to curved,
with LUER hub
180 mm

XY-123

5,0 mm diam., Tip
6,5 mm wide, Nasal
suction tube, with
LUER hub
180 mm



XY-124 Ø 4,5 mm
XY-125 Ø 5,5 mm
Nasal suction
tubes
175 mm



XY-126
GORNEY
Suction dissector
180 mm



XY-127 4 mm wide
XY-128 5 mm wide
Suction raspatories,
sharp, bayonet-shaped,
with styelt
200 mm



XY-129
LOPEZ-REINKE
Tonsil dissector with
suction device
235 mm



XY-130
SPACKMAN CANNULA
Surgical and Latexfree
Cone the depth of the uterus
and to allow
for gentle dilation of the cervix
Length: 360 mm

Page 605–617

- Kidney Trays
- Bowls
- Instruments Trays
- Sterilization Drums and Baskets



YZ-001 - 015
Schimmelbusch

	Ø x H sizes in mm
YZ-001	80 x 80
YZ-002	105 x 120
YZ-003	140 x 140
YZ-004	160 x 120
YZ-005	160 x 150
YZ-006	190 x 150
YZ-007	190 x 190
YZ-008	240 x 160
YZ-009	240 x 240
YZ-010	290 x 160
YZ-011	290 x 240
YZ-012	340 x 160
YZ-013	340 x 340
YZ-014	390 x 190
YZ-015	390 x 290



YZ-016
Box
120 x 65 x 13mm
(without Bulldog clamps,
without silicone tape)



YZ-017
Box with support
120 x 65 x 13 mm
(ohne Bulldogklemmen)



YZ-018
Box with support for
needle electrodes,
without instruments



YZ-019 - 020
50 x 25 x 4,5 mm
YZ-019
65 x 42 x 8 mm
YZ-020
75 x 25 x 4,5 mm



YZ-021
Ø65mm x 15mm



HOLLOWARES



YZ-022 - 030

	Ø x H
YZ-022	30 x 90 mm
YZ-023	50 x 100 mm
YZ-024	50 x 130 mm
YZ-025	50 x 175 mm
YZ-026	75 x 100 mm
YZ-027	75 x 130 mm
YZ-028	75 x 175 mm
YZ-029	100 x 175 mm
YZ-030	100 x 200 mm



13-131 - 038

YZ-031	165 x 85 x 35 mm
YZ-032	200 x 100 x 35 mm
YZ-033	200 x 100 x 50 mm
YZ-034	230 x 130 x 50 mm
YZ-035	260 x 150 x 50 mm
YZ-036	270 x 235 x 50 mm
YZ-037	300 x 200 x 50 mm
YZ-038	325 x 275 x 50 mm



YZ-039

205 x 105 x 35 mm



YZ-040 - 041

YZ-040

Martin Sterilizing Forceps
consisting of:
1 Sterilizing Forceps, curved, 25 cm,
without ratchet, with lid for jar
1 jar with bottom plate (anti-tilt)

YZ-041

ditto, with 32 cm long Sterilizing Forceps

ROUND METAL BOXES AND MEDICINE CUPS



YZ-043 - 048

Ø x H

YZ-042	75 x 60 mm
YZ-043	75 x 75 mm
YZ-044	100 x 60 mm
YZ-045	100 x 100 mm
YZ-046	125 x 80 mm
YZ-047	125 x 125 mm
YZ-048	150 x 150 mm



YZ-051
Ø 90 x 90 mm
Metal Cup



YZ-053
20 cc
Medicine Spoon



YZ-049
25 cc

YZ-050
50 cc



YZ-052
Ø 75 x 80 mm
Sputum Cup



YZ-054
Ø 75 x 12 mm
Tablet Tray



YZ-055 - 062

 $\varnothing \times H$

YZ-055	40 x 19	mm	0.05L
YZ-056	61 x 30	mm	0.07L
YZ-057	80 x 40	mm	0.14L
YZ-058	116 x 50	mm	0.35L
YZ-059	128 x 55	mm	0.45L
YZ-060	147 x 65	mm	0.70L
YZ-061	167 x 75	mm	1.10L
YZ-062	187 x 85	mm	1.60L



YZ-063 - 067

YZ-063	116 x 35	mm	0.30L
YZ-064	128 x 38	mm	0.40L
YZ-065	147 x 40	mm	0.50L
YZ-066	157 x 45	mm	0.75L
YZ-067	187 x 45	mm	1.00L



YZ-068

 $\varnothing 110 \times 28$ mm 0.15L


YZ-069

100 cc 0.1L



YZ-070 - 073

YZ-070	0,25L
YZ-071	0,50L
YZ-072	1,00L
YZ-073	2,00L



YZ-074

235 x 190 x 40 mm



YZ-075

 $\varnothing 220 \times 70$ mm



HOLLOWARES



YZ-076
Ø50 x 100 mm
Powder Pot



YZ-077
50 x 75 mm
Methot With Lid



YZ-078
Ø50 x 75 mm
Methot Without Lid



YZ-079



YZ-080



YZ-081



YZ-082 - 083

YZ-082 Ø235 mm
YZ-083 Ø310 mm



YZ-084
Sauerbruch
210 x 125 x 17 mm



YZ-085
Sauerbruch
210 x 125 x 17 mm



YZ-086
150 x 95 x 13 mm



YZ-087
150 x 95 x 13 mm



YZ-088
150 x 95 x 13 mm



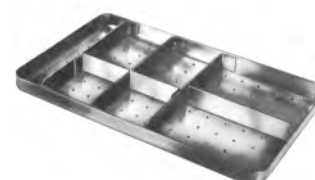
YZ-089
150 x 95 x 13 mm



YZ-090
150 x 95 x 13 mm



YZ-091
150 x 95 x 13 mm



YZ-092
150 x 95 x 11 mm



STORING CASES



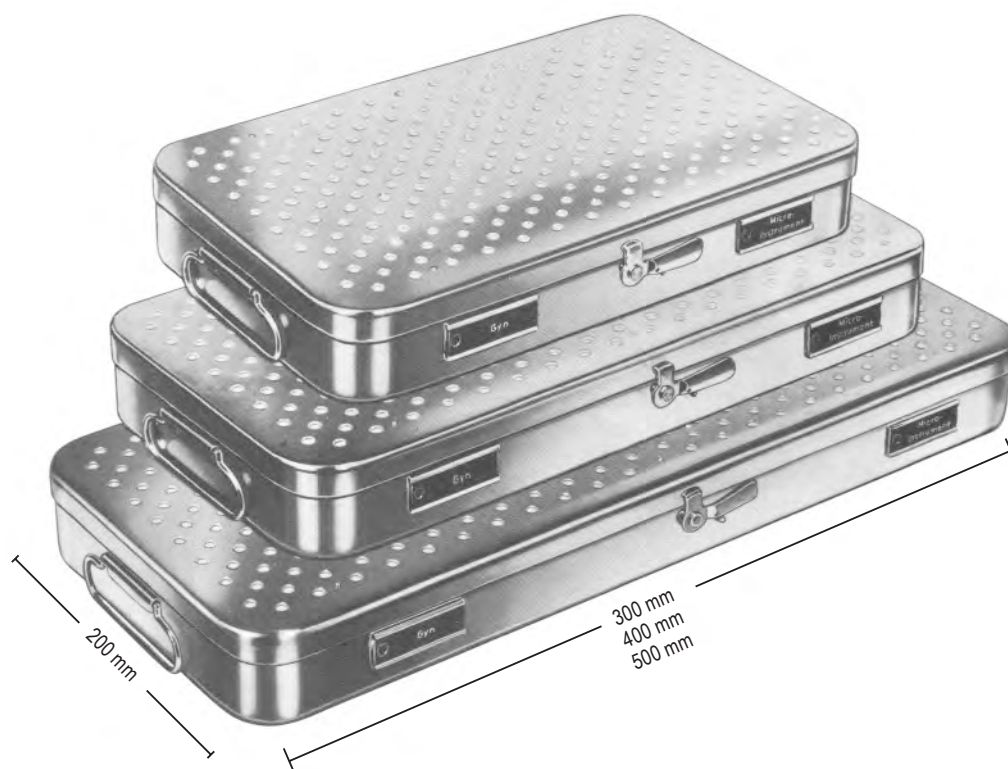
YZ-093
Deponette
245 x 135 x 35mm



YZ-094
Deponette
245 x 135 x 50mm



YZ-095
Deponette
245 x 135 x 60mm

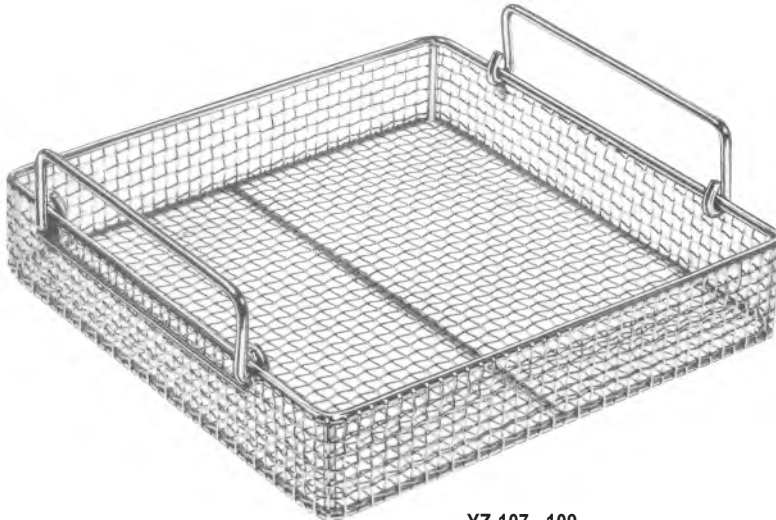


YZ-096 - 106

YZ-096	230 x 130 x 50	mm
YZ-097	260 x 150 x 50	mm
YZ-098	275 x 235 x 50	mm
YZ-099	300 x 200 x 50	mm
YZ-100	325 x 275 x 50	mm
YZ-101	420 x 175 x 50	mm
YZ-102	230 x 130 x 75	mm
YZ-103	260 x 150 x 75	mm
YZ-104	300 x 200 x 75	mm
YZ-105	325 x 275 x 75	mm
YZ-106	420 x 175 x 75	mm



STERILIZING BASKETS / TRAYS



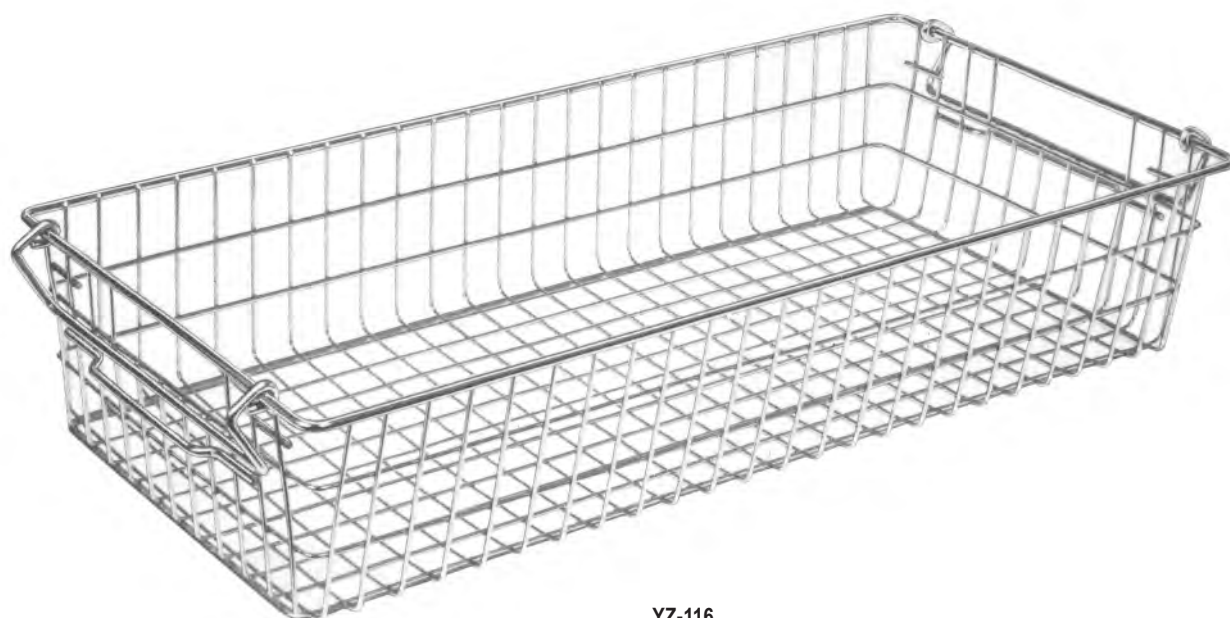
YZ-107 - 109

YZ-107	480 x 250 x 50	mm
YZ-108	520 x 250 x 75	mm
YZ-109	520 x 250 x 100	mm



YZ-110 - 115

YZ-110	240 x 240 x 50	mm
YZ-111	240 x 240 x 80	mm
YZ-112	240 x 240 x 100	mm
YZ-113	480 x 260 x 50	mm
YZ-114	520 x 260 x 80	mm
YZ-115	520 x 260 x 100	mm



YZ-116
(60 x 30 x 15 cm)
Nominal dimensions

HOLLOWARE AND INSTRUMENTS TRAYS



ENDODONTIC BOX
YZ-117 17X17X3 cm
YZ-118 20X10X4 cm
YZ-119 25X12X6 cm
YZ-120 30X14X6 cm



STERILIZING BOX
YZ-121 17X17X3 cm
YZ-122 20X10X4 cm
YZ-123 25X12X6 cm
YZ-124 30X14X6 cm



ENDO TRAY BOX
YZ-125



**INSTRUMENT BOX
WITH LOCK**
YZ-126 8" X 4" X 1/2"
YZ-127 8" X 6" X 2"
YZ-128 10" X 6" X 2"
YZ-129 12" X 6" X 2"
YZ-130 12" X 8" X 2"



INSTRUMENT BOX
YZ-131 8" X 4" X 1"
YZ-132 8" X 6" X 2"
YZ-133 10" X 6" X 2"
YZ-134 12" X 6" X 2"
YZ-135 12" X 8" X 2"



PERFORATED STERILIZING BOX
YZ-136 8" X 4" X 1"
YZ-137 8" X 6" X 2"
YZ-138 10" X 6" X 2"
YZ-139 12" X 6" X 2"
YZ-140 12" X 8" X 2"



STERILIZING DRUM
YZ-141
 6"x5"



STERILIZING DRUM
YZ-142
 6"x6"



STERILIZING DRUM
YZ-143
 8"x8"



IRRIGATOR (DOUCH CAN)
YZ-144 1000 ml
YZ-145 1500 ml
YZ-146 2000 ml



GRADUATED JUG
YZ-147 500 ml
YZ-148 1000 ml
YZ-149 2000 ml



KIDNEY TRAY
YZ-150
 Emesis Basins (Deep)
 5" 6" 8" 10" 11" 12" 14"



OUNCES
YZ-151
10, 20, 40, 60, 80



OUNCE
YZ-152
40



SPITTEN MUG
YZ-153



SPIRIT LAMP
YZ-154



PERFORATED TRAY
YZ-155 288 X 187 X 40 mm
YZ-156 180 X 140 X 40 mm



PERFORATED BASE
YZ-157 288 X 187 X 40 mm
YZ-158 180 X 140 X 40 mm



SOLID BASE
YZ-159 288 X 187 X 40 mm
YZ-160 180 X 140 X 40 mm



INSTRUMENTS TRAY
YZ-161
8" X 4" X 1"



INSTRUMENTS TRAY
WITH COVER
YZ-162 8" X 6" X 2"
YZ-163 10" X 8" X 2"
YZ-164 12" X 7" X 2"



INSTRUMENTS TRAY
PERFORATED
YZ-165
12" X 6" X 1"



INSTRUMENTS TRAY
SHALLOW MAYO
YZ-166 8" X 6" X 1½"
YZ-167 9" X 6" X 1½"
YZ-168 12" X 8" X 2"



SCALER TRAY
YZ-169 200 X 100 X 15 mm
YZ-170 200 X 150 X 15 mm



CATHETER TRAY
YZ-171 222 X 82 X 40 mm
YZ-172 225 X 125 X 50 mm
YZ-173 325 X 90 X 50 mm

Page 618–620

- Dissecting Kits



Dissecting Kit - Set of 9 Pcs
YZ-300

- Probe 14 cm
- Scalpel Handle 15 cm
- Scalpel Handle 15 cm
- Butterfly probe
- Dressing Forceps 13 cm
- Kocher Forceps 13 cm
- Dressing Scissor S/B Str 13 cm
- Dressing Scissor S/B Cvd 13 cm
- Needle Holder Forceps 13 cm

Dissecting Kit - Set of 9 Pcs
YZ-301

- Butterfly probe
- Probe 14 cm
- Needle Holder Forceps 14 cm
- Scalpel Handle # 3
- Scalpel Handle # 4
- Dressing Scissor S/B Str 14 cm
- Dressing Scissor S/B Cvd 14 cm
- Dressing Forceps 14 cm
- Kocher Forceps 1x2 Teeth 14 cm



Dissecting Kit - Set of 13 Pcs
YZ-302

- Frazier Hook 15 cm
- Scalpel Handle 15 cm
- Scalpel Handle 15 cm
- Scalpel Handle # 3 (Scalling Engraved)
- Dressing Forceps 13 cm
- Butterfly Probe
- Probe Scissor Str 14 cm
- Probe 14 cm
- Scalpel Blade # 10 (5 Pcs)



DISSECTING KITS



Dissecting Kit - Set of 13 Pcs
YZ-303

- Chain Hook 3
- Needle Holder Forcep 14 cm
- Kelly Forcep Str 14 cm
- Kelly Forcep Cvd 14 cm
- Scalpel Handle # 3
- Farabeuf Retractor
- Dressing Scissor S/B Str 14 cm
- Dressing Scissor S/B Cvd 14 cm
- Mosquito Forcep 14 cm
- Kocher Forcep 14 cm
- Dressing Forcep 14 cm
- Eye Probe
- Butterfly probe

Dissecting Kit - Set of 19 Pcs
YZ-304

- Operating Scissor S/B Str 14 cm
- Operating Scissor S/B Cvd 14 cm
- Mosquito Forcep Str 13 cm
- Kelly Forcep Str 14 cm
- Kelly Forcep Cvd 14 cm
- Mayo Hegar Needle Holder 14 cm
- Butterfly probe
- Kocher Forcep 14 cm
- Dressing Forcep 14 cm
- Scalpel Handle # 3
- Scalpel Handle # 4
- Needle Straight (Plastic Handle)
- Needle Curved (Plastic Handle)
- Farabeuf Retractor
- Probe With Hole 14 cm
- Needle With Thread
- Surgical Sterile Blade # 3
- Surgical Sterile Blade # 4
- Chain Hook



Dissecting Kit - Set of 20 Pcs
YZ-305

- Scalpel Handle # 3
- Simken Forcep Str 12 cm
- Simken Forcep Cvd 12 cm
- Simken Kocher Forcep Str 10 cm
- Mosquito Forcep Cvd 12 cm
- Plastic Handle Probe Str 13 cm
- Plastic Handle Probe Cvd 13 cm
- Dressing Scissor S/B Str 14 cm
- Iris Scissor Str 12 cm
- Frazier Hook 15 cm
- Surgical Sterile Blade # 10 (10 Pcs)

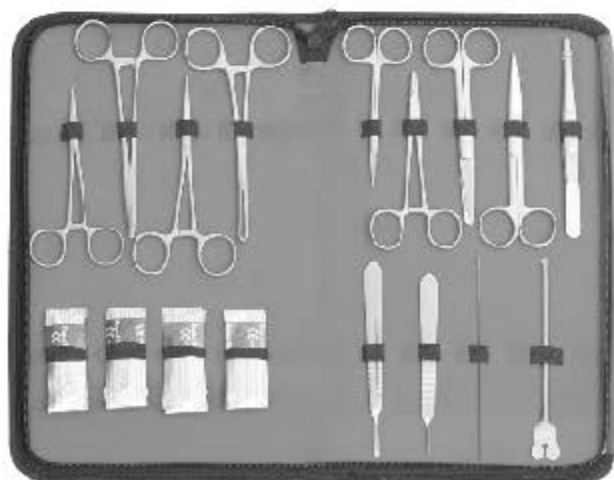


Dissecting Kit - Set of 17 Pcs
YZ-306

- Probe
- Butterfly Probe
- Dressing Forcep 14 cm
- Kocher Forcep 1x2 Teeth 14 cm
- Micro Forcep 12.5 cm
- Surgical Sterile Blade # 3
- Surgical Sterile Blade # 4
- Scalpel Knife 15 cm
- Dissecting Spatula
- Mosquito Forcep Cvd 12.5 cm
- Iris Scissor Str 11.5 cm
- Magnifying Glass (Plastic Handle)
- Operating Scissor S/B Str 14 cm
- Needle Curved Point 14.5 cm
- Needle Straight Point 14.5 cm
- Surgical Sterile Blade # 22 (10 Pcs)
- Surgical Sterile Blade # 10 (10 Pcs)

Dissecting Kit - Set of 42 Pcs
YZ-307

- Iris Scissor Str 11.5 cm
- Operating Scissor S/S Str 14 cm
- Operating Scissor S/B Str 14 cm
- Operating Scissor B/B Str 14 cm
- Surgical Sterile Blade # 3
- Surgical Sterile Blade # 4
- Needle Straight Point 14 cm
- Needle Curved Point 14 cm
- Probe
- Probe With Hole 14 cm
- Butterfly Probe
- Frazier Hook 17 cm
- Dressing Forcep 14 cm
- Kocher Forcep 14 cm
- Micro Forcep 12.5 cm
- Simken Forceps 10 cm
- Simken Forceps 10 cm Cvd Serrated
- Simken Forceps 10 cm Cvd Serrated
- Kelly Forcep Str 14 cm
- Kelly Forcep Cvd 14 cm
- Mosquito Forcep Str 12.5 cm
- Mosquito Forcep Cvd 12.5 cm
- Surgical Sterile Blade # 22 (10 Pcs)
- Surgical Sterile Blade # 10 (10 Pcs)

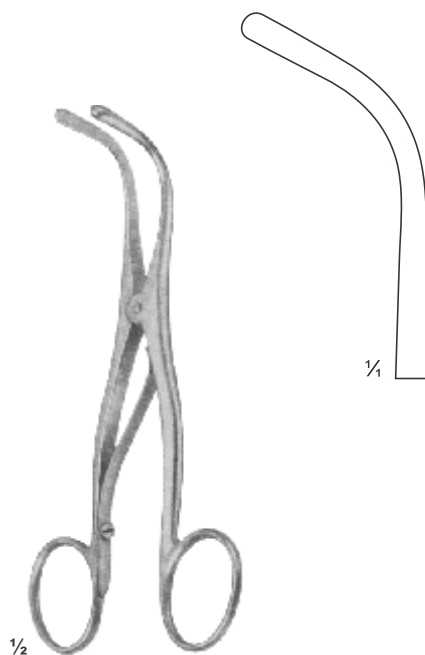


Dissecting Kit - Set of 53 Pcs
YZ-308

- Operating Scissor S/B Str 14 cm
- Mayo Scissor Str 14 cm
- Kelly Forcep Str 14 cm
- Allis Tissue Forcep 1x2 Teeth 14 cm
- Dressing Forcep 14 cm
- Mosquito Forcep Str 12.5 cm
- Webster Needle Holder 12.5 cm
- Mayo Hegar Needle Holder 15 cm
- Iris Scissor Str 11.5 cm
- Surgical Sterile Blade # 3
- Surgical Sterile Blade # 4
- Double Ended Probe 14 cm
- Butterfly Probe
- Surgical Sterile Blade # 22 (10 Pcs)
- Surgical Sterile Blade # 10 (10 Pcs)
- Surgical Sterile Blade # 11 (10 Pcs)
- Surgical Sterile Blade # 15 (10 Pcs)

Page 621–625

○ Tracheotomy



Trousseau
YZ-350
14.5 cm



Laborde
YZ-351
strong pattern
13.5 cm



Laborde
YZ-352
14 cm

TRACHEAL HOOKS



Iterson
YZ-353 - 354
17 cm



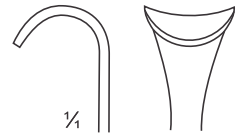
YZ-353
17 cm
Scharp



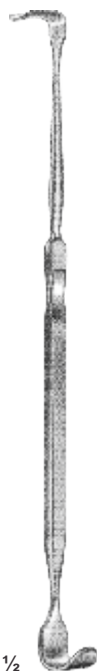
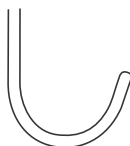
YZ-354
17 cm
Blunt



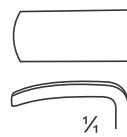
Rose
YZ-355
15.5 cm



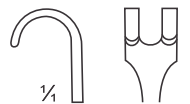
Luer
YZ-356
11 cm



Lukens
YZ-357
17.5 cm

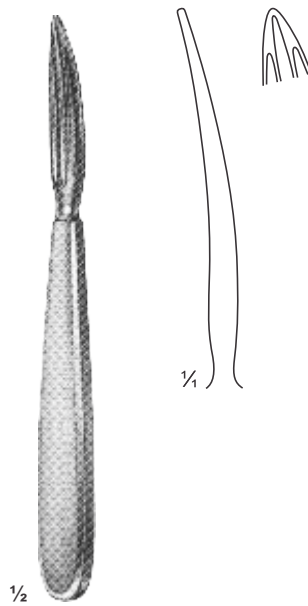


Jackson
YZ-358
18 cm

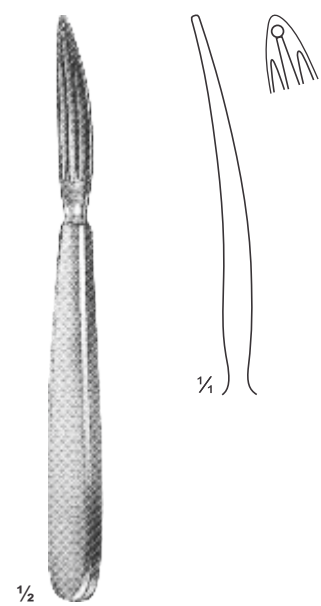




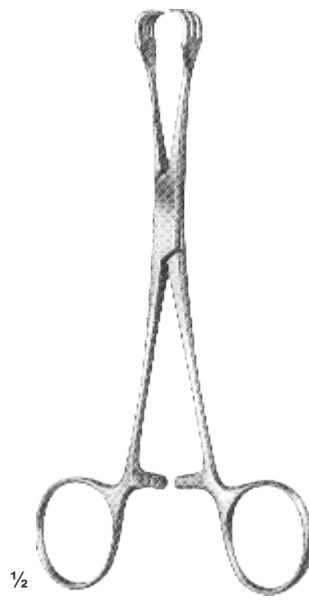
YZ-361
26 cm
Cleaning Brush
for tracheal tubes, head of bursh \varnothing 12 mm



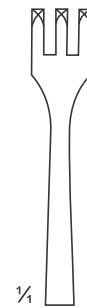
Kocher
YZ-359
15.5 cm



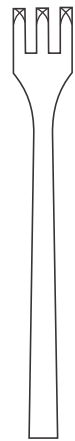
Kocher
YZ-360
15.5 cm
with eye



Lahey
YZ-362 - 363
15.5 cm



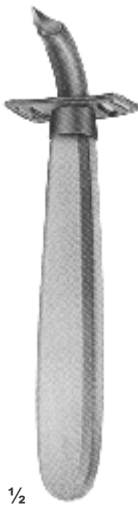
YZ-362
15.5 cm



YZ-363
20 cm

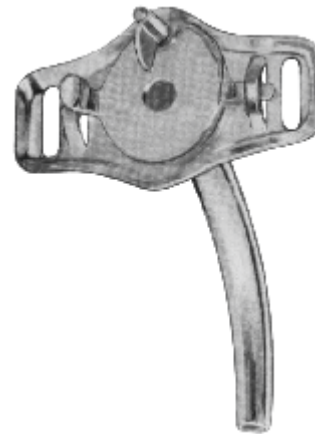


CRYCOTHYREOTOMY—TROCAR, TRACHEAL TUBES



1/2

Ueckermann-Denker
YZ-364
13 cm
Cryothyrotomy trocar
with silver cannula



Luer
YZ-365 - 394

Radius	Fig.	Dia. x Length	Brass	Magnet S.S.	Non-Magnet S.S.
30 mm	0	4 x 50 mm	YZ-365	YZ-375	YZ-385
30 mm	1	5 x 50 mm	YZ-366	YZ-376	YZ-386
30 mm	2	6 x 50 mm	YZ-367	YZ-377	YZ-387
39 mm	3	7 x 55 mm	YZ-368	YZ-378	YZ-388
39 mm	4	8 x 60 mm	YZ-369	YZ-379	YZ-389
39 mm	5	9 x 65 mm	YZ-370	YZ-380	YZ-390
39 mm	6	10 x 70 mm	YZ-371	YZ-381	YZ-391
43.5 mm	7	11 x 80 mm	YZ-372	YZ-382	YZ-392
43.5 mm	8	12 x 85 mm	YZ-373	YZ-383	YZ-393
43.5 mm	9	13 x 90 mm	YZ-374	YZ-384	YZ-394



Jackson
YZ-395 - 424

Fig.	Dia. x Length	Brass	Magnet S.S.	Non-Magnet S.S.
0	4 x 50 mm	YZ-395	YZ-405	YZ-415
1	5 x 58 mm	YZ-396	YZ-406	YZ-416
2	6 x 58 mm	YZ-397	YZ-407	YZ-417
3	7 x 70 mm	YZ-398	YZ-408	YZ-418
4	8 x 78 mm	YZ-399	YZ-409	YZ-419
5	9 x 84 mm	YZ-400	YZ-410	YZ-420
6	10 x 84 mm	YZ-401	YZ-411	YZ-421
7	11 x 86 mm	YZ-402	YZ-412	YZ-422
8	12 x 88 mm	YZ-403	YZ-413	YZ-423
9	13 x 90 mm	YZ-404	YZ-414	YZ-424



Chevalier-Jackson
YZ-425 - 457

Fig.	Dia. x Length	Brass	Magnet S.S.	Non-Magnet S.S.
0	4 x 50 mm	YZ-425	YZ-436	YZ-447
1	5 x 58 mm	YZ-426	YZ-437	YZ-448
2	6 x 58 mm	YZ-427	YZ-438	YZ-449
3	7 x 70 mm	YZ-428	YZ-439	YZ-450
4	8 x 78 mm	YZ-429	YZ-440	YZ-451
5	9 x 84 mm	YZ-430	YZ-441	YZ-452
6	10 x 84 mm	YZ-431	YZ-442	YZ-453
7	11 x 86 mm	YZ-432	YZ-443	YZ-454
8	12 x 88 mm	YZ-433	YZ-444	YZ-455
9	13 x 90 mm	YZ-434	YZ-445	YZ-456
10	14 x 90 mm	YZ-435	YZ-446	YZ-457

Page 626–667

○ Plastic Surgery Instruments

Gorney Face Lift Scissors

Tungsten Carbide Edges

Straight	Curved	Length
MPL101-17	MPL104-17	17cm/6 ³ / ₄ "
MPL102-19	MPL105-19	19cm/7 ¹ / ₂ "
MPL103-23	MPL106-23	23cm/9"

Flat tips



Gorney-Freeman Face Lift Scissors

Tungsten Carbide Edges

Open shanks

Straight	Curved	Length
MPL107-17	MPL110-17	17cm/6 ³ / ₄ "
MPL108-19	MPL111-19	19cm/7 ¹ / ₂ "
MPL109-23	MPL112-23	23cm/9"

Flat tips



Kaye Face Lift Scissors

Tungsten Carbide Edges

Curved

Code	Length
MPL113-17	17cm/6 ³ / ₄ "
MPL114-19	19cm/7 ¹ / ₂ "
MPL115-23	23cm/9"



Aufricht Scissors

Tungsten Carbide Edges

Curved

14cm/5¹/₄"

MPL116-14


Goldman-Fox Scissors

Tungsten Carbide Edges

Tapered blades to fine tips

Curved

13cm/5"

MPL117-13


DISSECTING SCISSORS

Ragnell (Kilner) Scissors

Tungsten Carbide Edges
Curved flat tips

Code	Length
MPL118-13	13cm/5 ¹ / ₄ "
MPL119-15	15cm/6"
MPL120-18	18cm/7"



Greenberg PAR Scissors

Tungsten Carbide Edges
Curved tapered flat tips
11.5cm/4³/₄"

MPL121-11



Littler Plastic Surgery Scissors

Curved
12cm/4³/₄"
Hole in the blades for the suture to be threaded through

MPL122-12



Kahn Face Lift Scissors

Super Cut Edges
Curved
14.5cm/5³/₄"

MPL123-14



Fomon Saber Face Lift Scissors

Curved, round blunt tips
Super Cut Edges
13.5cm/5¹/₄"

MPL124-13



Stevens Tenotomy Scissors

11.5cm/4½" Curved

MPL125-11

Jameson-Werber Scissors

13cm/5¼" Curved

MPL126-13

Jameson Scissors

15cm/6" Curved

MPL127-15

Jameson Scissors

15cm/6" Curved

Strong pattern**MPL128-15**

Crayford-Reynolds Scissors

18cm/7" Curved

MPL129-18

METZENBAUM SCISSORS

Waldram Scissors (with larger bows)
12.5cm/5" Curved

MPL130-12



Slim Baby Metzenbaum Scissors
14cm/5½" Curved

MPL131-14



Slim Metzenbaum Scissors
18cm/7" Curved

MPL132-18



Baby Metzenbaum Scissors
14cm/5½" Curved

MPL133-14



McIndoe / Metzenbaum Scissors
18cm/7" Curved

MPL134-18



Derf Needle Holder

12cm/4³/₄" TC


MPL135-12

Smooth



MPL136-12



Halsey Needle Holder

13cm/5" TC



MPL137-13

Smooth



MPL138-13



Crile Wood Needle Holder TC



MPL139-15

5 15cm/6"



MPL140-18

8 18cm/7"



MPL141-20

20cm/8"



NEEDLE HOLDERS

Nieverts Needle Holder (offset ring)

13cm/5¹/₄" TC



MPL142-13



Foster Gillies Combined Needle Holder/Scissors

13cm/5" TC



MPL143-13



Gillies Combined Needle Holder/Scissors

16cm/6¹/₄" TC



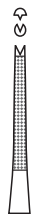
MPL144-16



Gillies Dissecting Forceps

Toothed

15cm/6"

MPL145-15


McIndoes Dissecting Forceps

Non Toothed

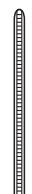
15cm/6"

MPL146-15


Debakey-Diethrich Tissue Forceps

1.5mm Tips

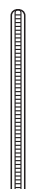
15cm/6"

MPL147-15


Debakey Tissue Forceps

2mm Tips

15cm/6"

MPL148-15


Bipolar Forceps

1mm Tips

11cm/4 1/2"

MPL149-11


Bipolar Forceps

1mm Tips

16cm/6 1/4" Length

MPL150-16


DISSECTING FORCEPS

Adson Forceps

Non Toothed

12cm/4³/₄"

MPL151-12



Adson Forceps

Toothed

12cm/4³/₄"

MPL152-12



Micro Adsons Forceps

Non Toothed

12cm/4³/₄"

MPL153-12



Micro Adson Forceps

Toothed

12cm/4³/₄"

MPL154-12



Adson Brown Forceps

7x7 Teeth

12cm/4³/₄"

MPL155-12



Micro Fixation Forceps

Micro Teeth

12cm/4³/₄"

MPL156-12



Kilner Detachable Skin Hook

15cm/6"

MPL157-15



Gillies Skin Hook

18cm/7"

MPL158-18 Small size

MPL159-07 Large size



Klienert-Kutz Skin Hook

16cm/6¼"

MPL160-01



Joseph Double Skin Hook

16cm/6¼"

MPL161-02



Catspaw Retractors

16cm/6¼"

Semi-sharp Prongs

MPL162-03



Senn-Miller Double Ended Retractor

16cm/6¼"

MPL163-01 Sharp Prongs

MPL164-02 Blunt Prongs



Kilner-Miniature Pattern Catspaw Retractor

15cm/6"

MPL165-01



RETRACTORS

Ragnell-Davies Retractor

14cm/5½"

MPL166-14



Mini-Langenbeck Retractor

16cm/6¼"

MPL167-10 10x6mm

MPL168-17 17x5mm



Desmarres Saddle Retractor

16cm/6¼"

12mm width

MPL169-12



Alms Retractor

4 x 4 Teeth Blunt

7cm/2¾"

4mm depth Prongs

MPL170-70



Baby Weitlaner S/R Retractor

2 x 3 Blunt Prongs

11.5cm/4½"

MPL171-10



West's S/R Retractor

3 x 4 Sharp Prongs

14cm/5½"

MPL172-14



Barrons Scalpel Blade Handle No.3

13cm/5¹/₄"

MPL173-13



Beaver Blade Holder

13cm/5¹/₄"

MPL174-13



Eckoff Mapping Pen

14.5cm/5¹/₄"

MPL175-14



Sommerlad Marking Pen

15cm/6"

MPL176-15



Stainless Steel Measuring Ruler

Code Length

MPL177-15 15cm/6"

MPL178-30 30cm/12"



Mitchels Trimmer

16cm/6¹/₄"

MPL179-16



Castroviejo Measuring Caliper

7cm/2³/₄"

Measuring range 0 to 25mm

MPL180-10



SKIN GRAFT KNIVES

Watson Skin Graft Knife

30.5cm/12"

Right handed

MPL181-30

Left handed

MPL182-30



The roller bar is smooth and does not oscillate or rotate in use. The graft thickness is controlled by slackening the locking nut and rotating the adjuster nut until the required thickness and then set by tightening the locking nut. The graft thickness is consistent as the roller bar can only be adjusted in parallel.

Braithwaite Skin Graft Knife

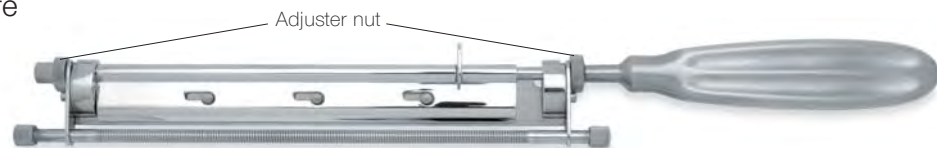
30.5cm/12"

Right handed

MPL183-30

Left handed

MPL184-30



The grooved roller bar oscillates from side to side as well as rotating. The graft thickness is controlled by rotating the adjuster nuts at the end of knife, this will move the roller bar up or down.

Cobbett Skin Graft Knife

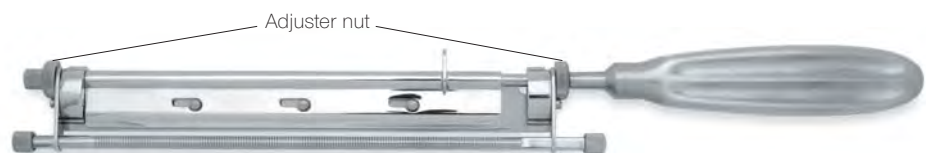
30.5cm/12"

Right handed

MPL185-30

Left handed

MPL186-30



The grooved roller bar only oscillates from side to side. The adjustment for the thickness of the graft is the same as the Braithwaite knife.

Humby Skin Graft Knife

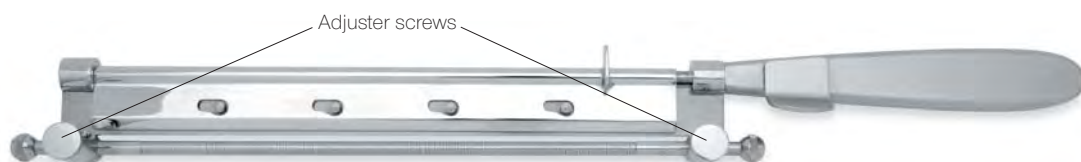
36.5cm/14¹/₄"

Right handed

MPL187-36

Left handed

MPL188-36



The grooved roller bar rotates and oscillates from side to side. The graft thickness is controlled by adjusting the thumb screws on top of the support pillars.

Silver Skin Graft Knife

19cm/7¹/₂"

Right handed

MPL189-19

Left handed

MPL190-19



Knife

Blades code

Cobbett

MPL191

Watson

MPL192

Braithwaite

MPL193

Silver

MPL194



Tufnol Skin Graft Board

200mm x 100mm / 8 x 4"
Bevelled edge

MPL195-20

Assumpcao Face Lift Forceps

For precise marking of dissected facial flaps for excision
16cm/6¹/₄"

Without ratchet

MPL196-16

With ratchet

* **MPL197-16**

illustrated with ratchet*



Pitanguy Forceps

Flap demarcator for accurate marking of facial flaps for excision

Code

Length

* **MPL198-15**

15cm/6"

MPL199-26

26cm/10¹/₄" (for abdominal flaps)

Illustrated *



Marten Flap Forceps

For accurate marking of skin flaps
14.5cm/5³/₄"

Without ratchet

* **MPL200-14**

With ratchet

MPL201-14

Illustrated *



Martel Flap Grasping Forceps

14cm/5¹/₄"

Two pins in opposing holes on the Jaws

MPL202-14



BREAST MARKERS

Freeman Areola Marker

Code	Diameter
MPL203-36	36mm Ø
MPL204-38	38mm Ø
MPL205-40	40mm Ø
MPL206-42	42mm Ø
MPL207-45	45mm Ø



Freeman Double Ended Areola Marker

Code	Diameter
MPL208-38	38/42mm Ø
MPL209-42	42/45mm Ø



Galvao Nipple Marker

Code	Diameter
MPL210-40	40mm Ø standard
MPL211-50	50mm Ø large



McKissock Keyhole Breast Reduction Marker

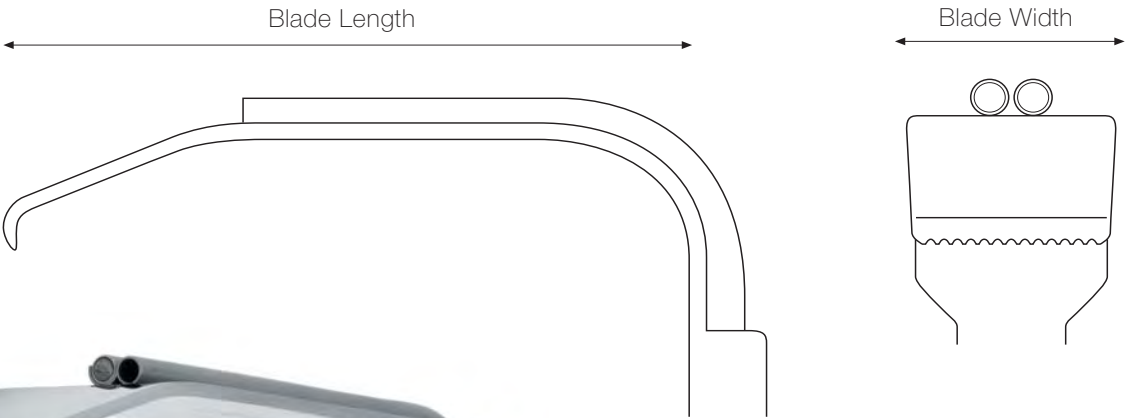
Code	Diameter
MPL212-38	38mm Ø
MPL213-42	42mm Ø
MPL214-45	45mm Ø



- Precisely marks amount of Tissue for removal
- Used together with Freeman Marker
- Arms are graduated in centimeters for marking tissue to be removed



Tebbetts Fibre Optic Breast Retractor
With fibre optic illumination and suction



- Fibre optic illumination with suction for smoke evacuation
- Angled Retractor tip with blunt teeth
- Polished mirror finish on blade to reflect light inside the pocket

Code	With Teeth	
	Length	Width
MPL215-260	90mm	24mm
MPL216-260	90mm	30mm
MPL217-260	150mm	36mm
MPL218-260	190mm	36mm

Code	Blunt	
	Length	Width
MPL219-260	90mm	24mm
MPL220-260	90mm	30mm
MPL221-260	150mm	36mm
MPL222-260	190mm	36mm

FIBRE OPTIC LIGHT LEAD

Fibre Optic Light Lead

Code	Length	Diameter
MPL223-180	1800mm	3.5mm Ø
MPL224-230	2300mm	3.5mm Ø



Giunta Nasal Scissors

Tungsten Carbide Edges
Double angled blades
13.5cm/5¹/₄"

MPL225-13**Daniels Nasal Scissors**

40° angled blades
10cm/4"

MPL226-10

For dissection of Nasal Tip Cartilage

**Foman Upper Lateral Scissors**

Curved
13.5cm/5¹/₄"

MPL227-13**Foman Dorsal Scissors**

Tungsten Carbide Edges
13cm/5"

MPL228-13**Cottle Dorsal Scissors**

Tungsten Carbide Edges
16cm/6¹/₄"

MPL229-16

NASAL INSTRUMENTS

Knight Nasal Scissors

Tungsten Carbide Edges
18cm/7"

MPL230-18



Heymann Nasal Scissors

18cm/7"

MPL231-18



Caplan Nasal Shears

Double action angled
20cm/8"

MPL232-20



Cottle Septum Knife

14cm/5½"

MPL233-14

Joseph button end Knife

Straight

14cm/5½"

MPL234-14

Convex button end Knife

Curved

16cm/6¾"

MPL235-16

Freer Mucosa Knife

15cm/6"

MPL236-15

Joseph Angled button end Knife

17.5cm/7"

MPL237-17

Freer Elevator

19cm/7½"

MPL238-18

NASAL INSTRUMENTS

MacDonalds Elevator

19cm/7½"

MPL239-19



Watson Cheyne Elevator

19cm/7½"

MPL240-18



Cottle Septum Elevator

Double Ended graduated
20cm/8"

MPL241-20



Masing Septum Elevator

20cm/8"

MPL242-20



Carter Septum Elevator

Double Ended with curette
21cm/8¼"

MPL243-21



Killian Septum Elevator

Double Ended
19cm/7½"

MPL244-19



Kilner Alae Retractor

85mm

Code	Blunt Prongs	Code	Sharp Prongs
MPL245-10	10mm	MPL248-10	10mm
MPL246-13	13mm	MPL249-13	13mm
MPL247-15	15mm	MPL250-15	15mm



Cottle-Neivert Alae Retractor

2 prong blunt ball tips
with knife guard
20cm/8"

MPL251-20



Foman Alae Retractor

2 prong blunt ball tips
16cm/6 1/4"

MPL252-16



Cottle Hook

2 prong blunt ball and sharp tips
14cm/5 1/2"

Sharp prongs
MPL253-14



Ball on right
MPL254-14



Ball on left
MPL255-14



Cottle Retractor

15cm/6"

MPL256-15



Aufricht Nasal Retractor

16cm/6 1/4"
45mm Blade

MPL257-16



Aufricht Nasal Retractor

16cm/6 1/4"
with Fibre Optic illumination
45mm Blade

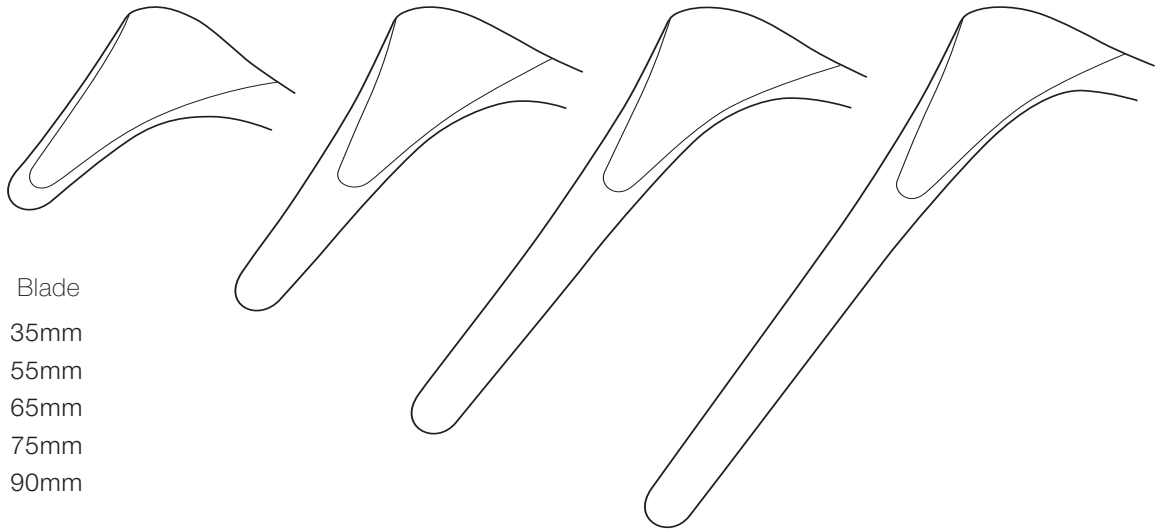
MPL258-16



NASAL INSTRUMENTS

Killian Speculum

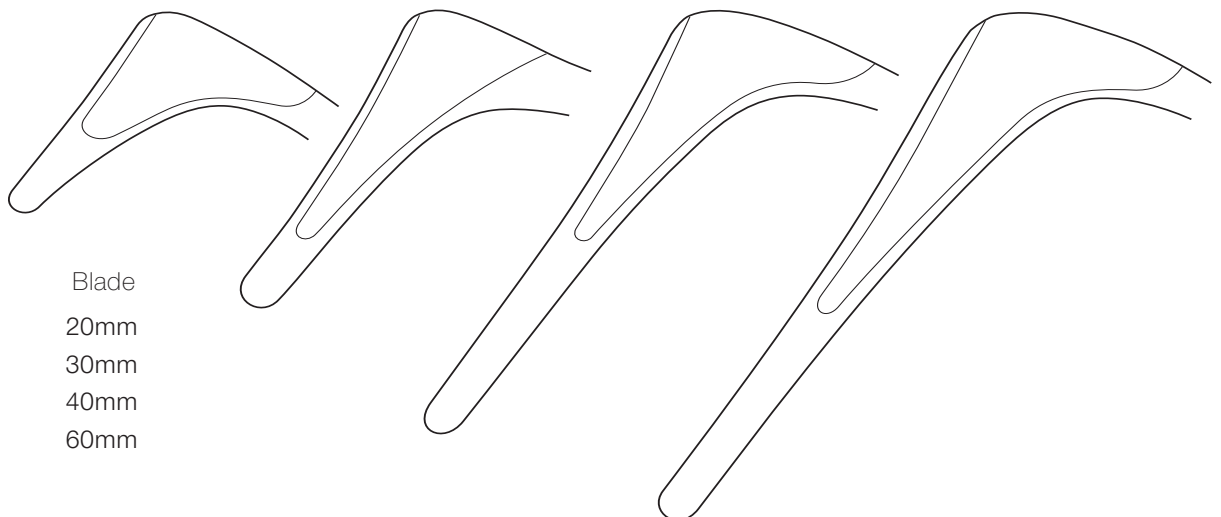
13cm/5"
Plain blade



Code	Blade
MPL259-35	35mm
MPL260-55	55mm
MPL261-65	65mm
MPL262-75	75mm
MPL263-90	90mm

Cottle Speculum

14cm/5½"
Slender blade



Code	Blade
MPL264-20	20mm
MPL265-30	30mm
MPL266-40	40mm
MPL267-60	60mm

Joseph Saw
19cm/7½"



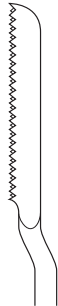
Illustrated *



Straight
MPL268-19



Cranked to right
MPL269-19



Cranked to left
MPL270-19 *

Joseph Saw
Horizontal shaft
125mm x 85mm

Cranked right
MPL271-19

Cranked left
* **MPL272-19**



Illustrated *

Ballenger Swivel Knife
Bayonet shaped
19.5cm/7½"

Code	Width
MPL273-19	3mm
MPL274-19	4mm
MPL275-19	5mm



Jansen Middleton Septum Forceps
19cm/7½"
Double action

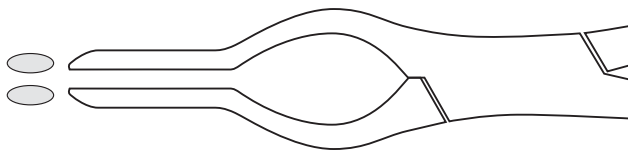
MPL276-19



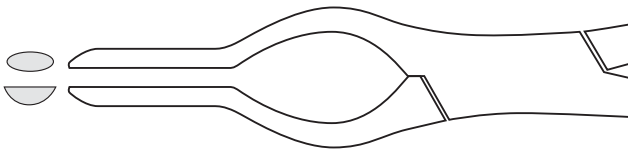
NASAL INSTRUMENTS

Walsham Septum Straightening Forceps

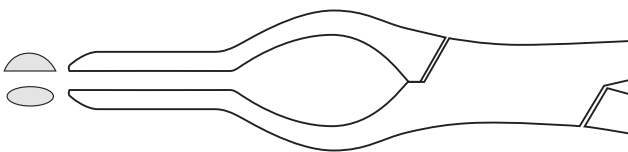
23cm/9"



Universal
MPL277-23



Left
MPL278-23



Right
MPL279-23

Asch Septum Straightening Forceps

23cm/9"



MPL280-23

Toffee Mallet

19cm/7½"

Head size 22mm Ø

Weight 165g/6oz

MPL281-21



Ultra Fine Mallet

17cm/6¾"

Head size 20mm Ø

Weight 145g/5oz

Tufnol Handle

MPL282-17



Read Nasal Gouge

18cm/7"

Code	Width
MPL283-04	4mm
MPL284-05	5mm
MPL285-06	6mm



Killian Septum Gouge

Round cutting edge bayonet shaped 6mm width

16cm/6¼"

MPL286-06



Killian Septum Gouge

Notched edge bayonet shaped 6mm width

16cm/6¼"

MPL287-06



TNASAL INSTRUMENTS

Matthew Osteotome

18cm/7"
11mm wide
Bevelled at one corner

MPL288-11



Gubisch Osteotome

18.5cm/7¹/₄"
3mm wide
Aluminium handle

MPL289-03



Rubin Osteotome

18cm/7"

Code	Size
MPL290-08	8mm
MPL291-10	10mm
MPL292-12	12mm
MPL293-14	14mm
MPL294-16	16mm



French (Gillies) Osteotome

14cm/5¹/₂"

Code	Size
MPL295-02	2mm
MPL296-05	5mm
MPL297-07	7mm
MPL298-09	9mm
MPL299-11	11mm
MPL300-13	13mm



Cinelli Double Guarded Osteotome

16cm/6¹/₄"

Code	Size
MPL301-08	8mm
MPL302-10	10mm
MPL303-12	12mm
MPL304-14	14mm
MPL305-16	16mm



Jays Osteotome

18cm/7"

Code	Size
MPL306-02	2mm
MPL307-04	4mm
MPL308-05	5mm
MPL309-06	6mm
MPL310-08	8mm
MPL311-10	10mm
MPL312-12	12mm



Cottle Chisel

18.5cm/7½"

Code	Size
MPL313-04	4mm
MPL314-06	6mm
MPL315-07	7mm
MPL316-08	8mm
MPL317-09	9mm
MPL318-12	12mm



McIndoe Chisel

15cm/6"

Code	Size
MPL319-09	9mm
MPL320-11	11mm
MPL321-13	13mm
MPL322-15	15mm



Sheehan Osteotomes

15cm/6"

Set of 5 sizes
2mm to 10mm

Code	Size
MPL323- 02	2mm
MPL324- 04	4mm
MPL325- 06	6mm
MPL326- 08	8mm
MPL327-10	10mm



NASAL INSTRUMENTS

Braithwaite Chisel

14.5cm/5³/₄"
5mm wide

Code

MPL328-14 Without guard

MPL329-14 Guard on left

MPL330-14 Guard on right



Foman Chisel with guard

16.5cm/6¹/₂"

Code

Size

MPL331-04 4mm

MPL332-05 5mm

MPL333-06 6mm

MPL334-07 7mm



Silver Chisel with guard (Frenchay)

18cm/7"

Code

MPL335-18 Straight

MPL336-18 Curved left

MPL337-18 Curved right



Nievert Chisel with Guard

20cm/8"

Code

MPL338-20 Straight

MPL339-20 Curved left

MPL340-20 Curved right



Foman Double Ended Nasal Rasp

21cm/8¹/₄" Tungsten Carbide Surface



MPL341-8012

Course



MPL342-8056

Medium



MPL343-8091

Fine

Parkes Nasal Rasp

21cm/8¹/₄" Tungsten Carbide Surface
Backward cutting



MPL344-8001

Course



MPL-345-8005

Medium



MPL-346-8010

Fine

Maltz Nasal Rasp

18.5cm/7¹/₂"

MPL347-18



Maltz Nasal Rasp

18.5cm/7¹/₂"

Tungsten Carbide Surface

MPL348-18



NASAL INSTRUMENTS

Peet Nasal Rasp - Curved

17.5cm/6³/₄"

Diamond Surface

MPL349-17



Aufricht (Peet) Nasal Rasp

22cm/8³/₄"

Diamond Surface

MPL-350-22



Glabella Nasal Rasp

21cm/8¹/₄"

Tungsten Carbide Surface

MPL351-21



Foman Double Ended Nasal Rasp

21cm/8¹/₄"

Diamond Surface

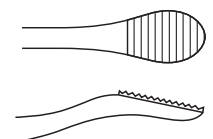
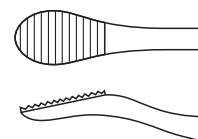
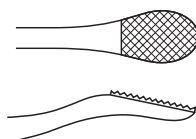
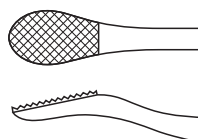
MPL352-21



Millar Nasal Rasp

18cm/7"

Tungsten Carbide Surface



MPL353-18

MPL354-18

Frontotemporal Dissector

22.5cm/8³/₄" Straight 10mm wide

MPL355-22



For initial dissection through forehead incisions

Frontotemporal Dissector

24cm/9¹/₂" Curved 7mm wide

MPL356-24



For initial dissection

Periosteal Dissector

25cm/9³/₄" Curved 9mm wide

MPL357-25



For a posterior scalp dissection

Periosteal Dissector/Elevator

24cm/9¹/₂" S - Shaped 9mm wide

MPL358-24



For elevation of the periosteum

Frontoglabellar Dissector

26cm/10¹/₂" S - Shaped 7mm wide

MPL359-26



Used in the dissection of the naso-glabellar area of the forehead

BROWLIFT INSTRUMENTS

Temporal Line Dissector

23.5cm/9¹/₄" Straight 10mm wide

MPL360-23



Separates the temporal fascia

Zygomatic Arch Elevator

22.5cm/8³/₄" Straight 5mm wide

MPL361-22



For use in the lower eyelid approach

Scalp Elevator

24cm/9¹/₂" Straight 7mm wide

MPL362-24



Scalp Elevator

25.5cm/10" Curved 12mm wide

MPL363-25



Scalp Elevator

24cm/9¹/₂" Half Curved with angled tip 12mm wide

MPL364-24



Flap Dissector

22.5cm/8³/₄" Curved 6mm wide

MPL365-22



For dissection of the deep temporal fascia

Arcus Marginalis Dissector

24cm/9¹/₂" S - Shaped 8mm wide

MPL366-24



For dissection along the orbital rim

Endoforehead Elevator

24cm/9¹/₂" Half Curved 7mm wide

MPL367-24



Transoral Dissector

23.5cm/9¹/₄" 7mm wide
Curved tip

MPL368-23



Orbital Rim Dissector

24cm/9¹/₂"
Half Curved

MPL369-24



BROWLIFT INSTRUMENTS

Mini Forehead Elevator

18cm/7" Shaft
Slightly Curved

MPL370-18



Mini Forehead Elevator

18cm/7" Shaft
Half Curved

MPL371-18



Mini Forehead Dissector

18cm/7"
Full Curved

MPL372-18

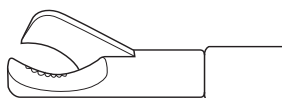


Shaper Hook Sissors

2.7mm diameter
Insulated shaft

MPL373-800 Curved left

MPL374-700 Curved right

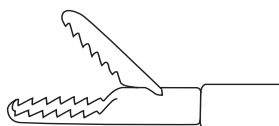


Shaper Grasping Forceps

2.7mm diameter
Insulated shaft

MPL375-800 Curved left

MPL376-900 Curved right

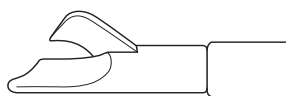


Shaper Punch Forceps

2.7mm diameter
Insulated shaft

MPL377-800 Curved left

MPL378-900 Curved right

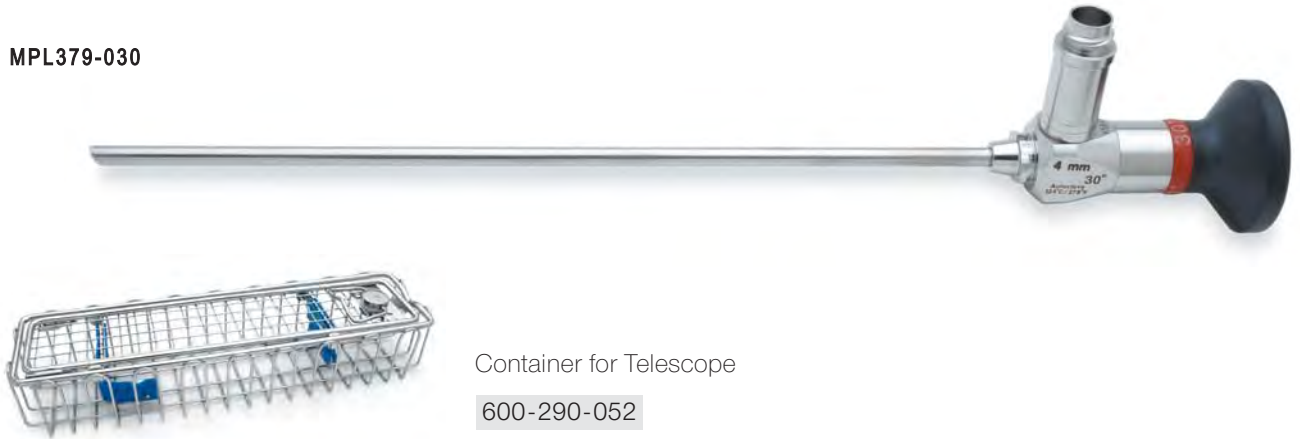


BROWLIFT INSTRUMENTS

Autoclavable Telescope

4mm diameter, 30° angle

MPL379-030



Sheath for Telescope

For 4mm Telescope

With 2 rotating stopcocks and
flat spatula tip

MPL380-175



Sheath for Telescope

For 4mm Telescope

With one rotating stopcock and
curved spatula tip

MPL381-180



Sheath for Telescope

For 4mm Telescope

With one rotating stopcock and
angled spatula tip

MPL382-180



Vessel Dilator

11cm Angled
Tip diameter 0.3mm

MPL383-03

**Vessel Dilator**

11cm Angled
Tip diameter 0.2mm

MPL384-02

**Round Bodied Vessel Dilator**

15cm Straight
Tip diameter 0.3mm

MPL385-03

**Round Bodied Vessel Dilator**

18cm Straight
Tip diameter 0.3mm

MPL386-03

**Round Bodied Vessel Dilator**

18cm Curved
Tip diameter 0.3mm

MPL387-03

MICRO INSTRUMENTS

Jewellers Forceps

11cm
Tip diameter 0.3mm

MPL388-03



Jewellers Forceps

12cm
Tip diameter 0.3mm

MPL389-03



Pierse Forceps

12cm
Tip diameter 0.3mm

MPL390-03



Pierse Forceps have a micro hole in the tips which securely grip tissue with minimal trauma



Round Bodied Forceps

15cm Straight, with platform
Tip diameter 0.3mm

MPL391-03



Round Bodied Forceps

15cm Curved, with platform
Tip diameter 0.3mm

MPL392-03



Round Bodied Forceps

18cm Straight, with platform
Tip diameter 0.5mm

MPL393-05



Round Bodied Forceps

18cm Curved, with platform
Tip diameter 0.5mm

MPL394-05

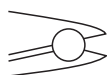


Straight Scissors Flat Handle

15cm length
(blades 19mm long)

MPL395-15

Adventitia Scissors with pointed tips



SAS-15T

Available with Micro
Serrations for nerve
cutting - **Straight**

Curved Scissors Flat Handle

15cm length
(blades 19mm long)

MPL396-15

Dissecting Scissors with rounded tips



SDC-15T

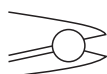
Available with Micro
Serrations for nerve
cutting - **Curved**

Straight Scissors Flat Handle

15cm length
(blades 15mm long)

MPL397-15

Adventitia Scissors with pointed tips

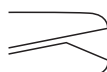


Curved Scissors Flat Handle

15cm length
(blades 15mm long)

MPL398-15

Dissecting Scissors with rounded tips



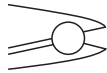
MICRO INSTRUMENTS

Straight Scissors Round Handle

15cm length
(blades 12mm long)

MPL399-15

Adventitia Scissors with pointed tips



Curved Scissors Round Handle

15cm length
(blades 12mm long)

MPL400-15

Dissecting Scissors with rounded tips

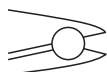


Straight Scissors Round Handle

18cm length
(blades 14mm long)

MPL401-18

Adventitia Scissors with pointed tips



Curved Scissors Round Handle

18cm length
(blades 14mm long)

MPL402-18

Dissecting Scissors with rounded tips



Straight Needle Holder

15cm length without lock

MPL403-15**Curved Needle Holder**

15cm length without lock

MPL404-15**Straight Needle Holder**

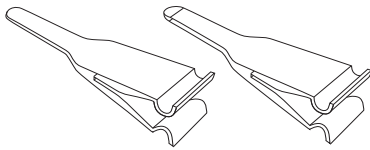
18cm length without lock

MPL405-18**Curved Needle Holder**

18cm length without lock

MPL406-18

MICRO CLAMPS



“A” or “V” Pattern?

Throughout the series, the “V” pattern is the all-purpose clamp, commonly used on all veins, and almost all arteries. The “A” pattern, available in all sizes, is designed for exceptionally thick-walled vessels and slippery arteries. The slight incurve of the tips of the “A” pattern jaw provides extra security against slippage.

- Light and compact design
- Extremely durable
- A unique gripping surface
- Smooth sliding bar action on all approximator clamps
- Clamp profile with parallel sided jaws
- Matt or black finish



Ordering details

SINGLE CLAMPS

MPL407-396 V CLAMP SIZE
MPL408-397 A B-1
0.4 - 1.0mm

MPL409-398 V B-2
MPL410-399 A 0.6 - 1.5mm

MPL411-400 V B-3
MPL412-401 A 1.0 - 2.25mm

MPL-413-325 V HD-S
1.5 - 3.5mm

MPL414-286 RD-S
2.0 - 5.0mm

DOUBLE APPROXIMATING CLAMPS

MPL415-414 V CLAMP SIZE
MPL416-415 A ABB - 11
0.4 - 1.0mm

MPL417-416 V ABB - 22
MPL418-417 A 0.6 - 1.5mm

MPL419-418 V ABB - 33
MPL420-419 A 1.0 - 2.25mm

MPL421-326 V HD - D
1.5 - 3.5mm

MPL422-287 RD - D
2.0 - 5.0mm

DOUBLE CLAMPS WITH FRAME

MPL423-408 V CLAMP SIZE
MPL424-409 A ABB-1
0.4 - 1.0mm

MPL425-410 V ABB-2
MPL426-411 A 0.6 - 1.5mm

MPL427-412 V ABB-3
MPL428-413 A 1.0 - 2.25mm





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○ Micro Surgery Instruments

VESSEL DILATORS

Vessel Dilator Angled

- 11cm/4 $\frac{1}{4}$ " length
- Tips 0.2mm Ø
- MM101-11**



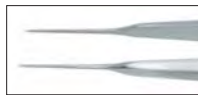
Vessel Dilator Angled

- 11cm/4 $\frac{1}{4}$ " length
- Tips 0.3mm Ø
- MM102-11**



Vessel Dilator Straight

- 13.5cm/5 $\frac{3}{8}$ " length
- Tips 0.2mm Ø
- MM103-13**



Vessel Dilator Straight

- 13.5cm/5 $\frac{3}{8}$ " length
- Curved Tips 0.2mm Ø
- MM104-18**



Vessel Dilator Long

- 18cm/7" length
- Tips 0.3mm Ø
- MM105-18**



Vessel Dilator Long

- 18cm/7" length
- Curved Tips 0.2mm Ø
- MM106-18**



Round Bodied Vessel Dilator

- 15cm/6" length
- Straight tips 0.3mm Ø

- Balanced Forceps

MM107-15



Round Bodied Vessel Dilator

- 15cm/6" length
- Curved tips 0.2mm Ø

- Balanced Forceps

MM108-15

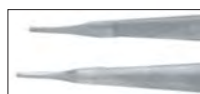


Round Bodied Vessel Dilator

- 18cm/7" length
- Straight tips 0.3mm Ø

- Balanced Forceps

MM109-18



Round Bodied Vessel Dilator

- 18cm/7" length
- Curved tips 0.3mm Ø
- Balanced Forceps

MM110-18



MICRO INSTRUMENTS

Jewellers Forceps

- 11cm/4¹/₄" length
- Tips 0.3mm

MM111-11



Jewellers Forceps Long

- 15cm/6" length
- Tips 0.3mm

MM112-15



Jewellers Forceps

- 12cm/4³/₄" length
- Tips 0.3mm

MM113-12



Jewellers Forceps

- 13.5cm/5³/₈" length
- Tips 0.3mm

MM114-13



Pierse Forceps

- 12cm/4³/₄" length
- Tips 0.3mm

MM115-12



Pierse Forceps have a micro hole in the tips which securely grip tissue with minimal trauma

Micro Adson Fixation Forceps

- 12cm/4³/₄" length
- 1 x 2 Micro Teeth
- Tips 0.3mm

MM116-12



Round Bodied Forceps

- 15cm/6" length
- Straight, with platform
- Tips 0.3mm Ø
- Balanced Forceps



MM117-15

Round Bodied Forceps

- 15cm/6" length
- Curved, with platform
- Tips 0.3mm Ø
- Balanced Forceps



MM118-15

Round Bodied Angled Forceps

- 15cm/6" length
- Angled tips 0.2mm Ø
- Balanced Forceps



MM119-15

Round Bodied Forceps

- 18cm/7" length
- Straight, with platform
- Tips 0.5mm Ø
- Balanced Forceps



MM120-18

Round Bodied Forceps

- 18cm/7" length
- Curved, with platform
- Tips 0.5mm Ø
- Balanced Forceps



MM121-18

Round Bodied Angled Forceps

- 18cm/7" length
- Angled tips 0.2mm Ø
- Balanced Forceps



MM122-18

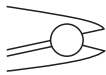
MICRO SCISSORS

Straight Scissors Flat Handle

- 15cm/6" length
- Blades 19mm long

MM123-15

Adventitia Scissors with pointed tips



MM123-15S

Available with Micro
Serrations for nerve
cutting - **Straight**

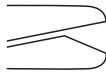


Curved Scissors Flat Handle

- 15cm/6" length
- Blades 19mm long

MM124-15

Dissecting Scissors with rounded tips



MM124-15S

Available with Micro
Serrations for nerve
cutting - **Curved**

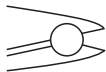


Straight Scissors Flat Handle

- 15cm/6" length
- Blades 15mm long

MM125-15

Adventitia Scissors with pointed tips



Curved Scissors Flat Handle

- 15cm/6" length
- Blades 15mm long

MM126-15

Dissecting Scissors with rounded tips



Straight Scissors Round Handle

15cm/6" **MM127-15**

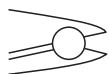
- Blades 12mm long

18cm/7" **MM128-18**

- Blades 14mm long



Adventitia Scissors with pointed tips



Curved Scissors Round Handle

15cm/6" **MM129-15**

- Blades 12mm long

18cm/7" **MM130-18**

- Blades 14mm long



Dissecting Scissors with rounded tips



Blondeel Scissors Round Handle

- Blades 15mm long
- Curved blades

15cm/6" **MM130-15**

18cm/7" **MM131-18**



MICRO NEEDLE HOLDERS

Barraquer Micro Needle Holder

- Round Bodied
- 0.4mm Jaws



Without Lock	Straight	Curved
13cm/5"	MM132-13	MM135-13
15cm/6"	MM133-15	MM136-15
18cm/7"	MM134-18	MM137-18

Castroviejo Micro Needle Holder

- Flat Handled
- 0.4mm Jaws



Without Lock	Curved
14cm/5½"	MM138-14
18cm/7"	MM139-18

Double Action Micro Needle Holder

- Round Bodied
- 0.4mm Jaws



Without Lock	Curved
15cm/6"	MM140-15
18cm/7"	MM141-18

- Sterile, single use, disposable
- Atraumatic jaws
- Colour coded for better differentiation
- Consistent and reliable closing pressure
- Designed for use on veins and arteries
- Light weight
- Blue, black and purple finish provides excellent contrast in the field
- Radiopaque
- Eliminates cleaning and processing problems
- Economical

Single Clamps
packed in boxes of 24



P - 1
0.4 - 1mm
Vessels
MM142



P - 2
0.6 - 1.5mm
Vessels
MM143



P - 3
1.0 - 2.5mm
Vessels
MM144

Double Clamps
packed in boxes of 12



APP - 11
0.4 - 1mm
Vessels
MM145

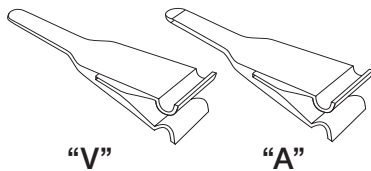


APP - 22
0.6 - 1.5mm
Vessels
MM146



APP - 33
1.0 - 2.5mm
Vessels
MM147

MICRO CLAMPS



“A” or “V” Pattern?

Throughout the series, the “V” pattern is the all-purpose clamp, commonly used on all veins, and almost all arteries. The “A” pattern, available in all sizes, is designed for exceptionally thick-walled vessels and slippery arteries. The slight incurve of the tips of the “A” pattern jaw provides extra security against slippage.

- Light and compact design
- Extremely durable
- A unique gripping surface
- Smooth sliding bar action on all approximator clamps
- Clamp profile with parallel sided jaws
- Matt or black finish



Ordering details

SINGLE CLAMPS

MM148-396 V
MM149-397 A



CLAMP SIZE
B-1
0.4 - 1.0mm

MM150-398 V
MM151-399 A



B-2
0.6 - 1.5mm

MM152-400 V
MM153-401 A



B-3
1.0 - 2.25mm

MM154-325



HD-S
1.5 - 3.5mm

MM155-286



RD-S
2.0 - 5.0mm

DOUBLE APPROXIMATING CLAMPS

MM156-414 V
MM157-415 A



CLAMP SIZE
ABB-11
0.4 - 1.0mm

MM158-416 V
MM159-417 A



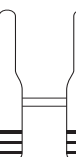
ABB-22
0.6 - 1.5mm

MM160-418 V
MM161-419 A



ABB-33
1.0 - 2.25mm

MM162-326



HD-D
1.5 - 3.5mm

MM163-287



RD-D
2.0 - 5.0mm

DOUBLE CLAMPS WITH FRAME

MM164-408 V
MM165-409 A



CLAMP SIZE
ABB-1
0.4 - 1.0mm

MM166-410 V
MM167-411 A



ABB-2
0.6 - 1.5mm

MM168-412 V
MM169-413 A



ABB-3
1.0 - 2.25mm



Clamp Box CB-1

Clamp Applicator CAF-4

Page 677–687

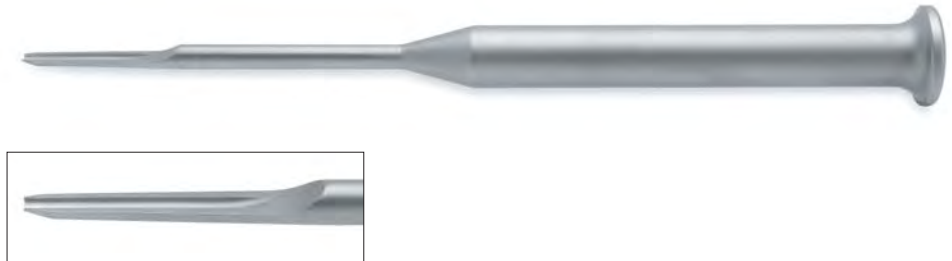
○ Shoulder Surgery Instruments

BONE TUNNELLING & SUTURE PASSING

Penetrating Bone Gouge

- 22cm/8³/₄" length
- 3mm wide tip

MSH101-22



Percussion Bone Awl

- 22cm/8³/₄" length
- Curved, with metal handle

MSH102-22



Penetrating Bone Awl

- 18cm/7" length
- Tufnol handle

MSH103-18



Crochet Hook Suture Passer

- 18cm/7" length
- Tufnol handle

MSH104-18



Suture Passer

- 18/7"cm length
- Tufnol handle
- With hole in tip

MSH105-18



The Bone Awls and Suture Passers are used to place sutures along the edge of the Glenoid Rim.

Glenoid Perforating Forceps Light Curve

- 17cm/6³/₄" length
- Light curve

MSH106-17

For perforating holes in the Glenoid Rim.



Glenoid Perforating Forceps Strong Curve

- 17cm/6³/₄" length
- Strong curve

MSH107-17



Kolbel Glenoid Elevator

- 30cm/12" length
- 15mm width
- Curved
- Double prong

MSH108-15



Kolbel Glenoid Elevator

- 30cm/12" length
- 20mm width
- Curved
- Double prong

MSH109-20



Posterior Glenoid Elevators

- Curved tip to sit on posterior rim of Glenoid
- For Posterior Retraction of the Humeral Head



Width tip

MSH110-08

8mm

MSH111-12

12mm

MSH112-20

20mm

HUMERAL HEAD RETRACTORS

Skid Lever

- 28cm/11" length
 - Double ended
 - 20mm and 30mm blade widths
- MSH113-23**



Humerus Head Retractor

- 18cm/7" length
 - Strongly curved
 - Double blunt prongs
- MSH114-18**



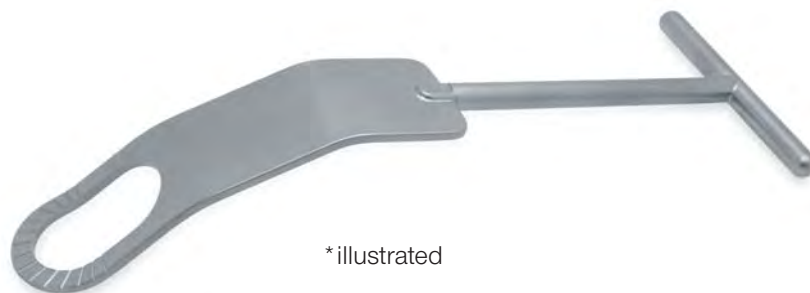
Bhattman Humerus Head Retractor

- 25cm/9³/₄ length
 - 30mm width
 - Double prong
- MSH115-30**

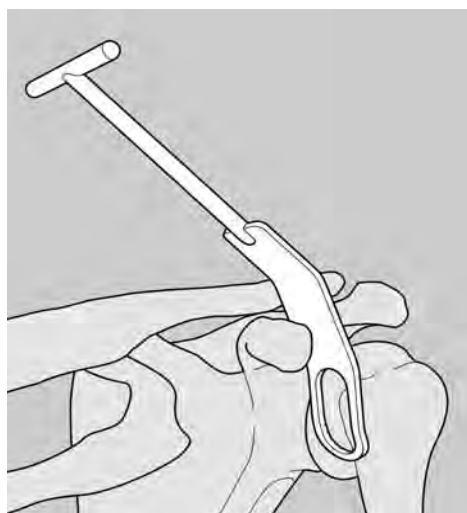


Fukuda Humerus Head Retractor

- 22.5cm/9" length
- Fenestrated



*illustrated

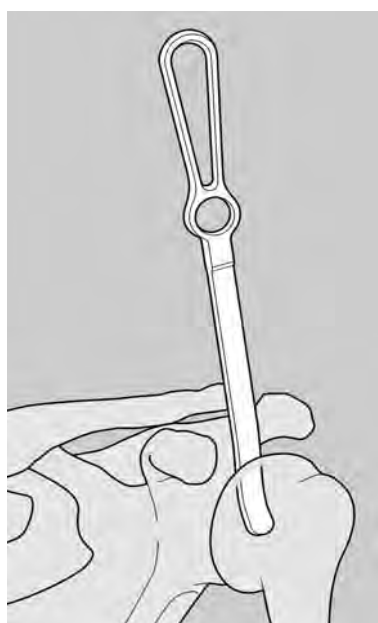


	width
MSH116-32	32mm
MSH117-22	35mm*
MSH118-37	37mm

Darrach Acromial Elevators



*illustrated



Small 9mm width, 26cm/10¹/₄" length
MSH119-09



Medium 12mm width, 26cm/10¹/₄" length
MSH120-12



Large 16mm width, 26cm/10¹/₄" length*
MSH121-16



Extra Large 25mm width, 36cm/14¹/₄" length
MSH122-25

Set of 4 Elevators

MSH123-00

SUB-ACROMION SPREADERS

Subacromion Spreader

- 19cm/7½" length
- Small size

MSH124-19 left side ring*
MSH125-19 right side ring



illustrated*

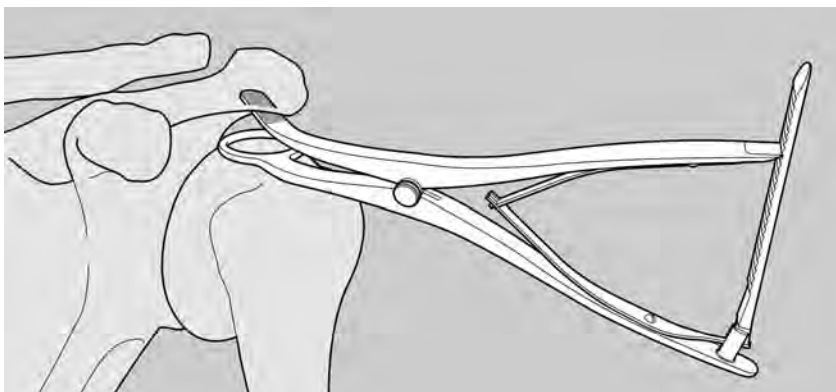
Subacromion Spreader

- 25cm/9¾" length
- Large size



MSH126-25 left side ring*
MSH127-25 right side ring

illustrated*



These spreaders are used when access is required to the subacromion area. The spreaders distract the humeral head from the acromion.

Kolbel Tissue & Muscle Spreader

- 18cm/7" length
- Straight single blunt prongs

MSH128-18



Kolbel Tissue & Muscle Spreader

- 18cm/7" length
- Angled single blunt prongs

MSH129-18



Kolbel Tissue & Muscle Spreader

- 18cm/7" length
- Angled double blunt prongs

MSH130-18



Capsule Spreader

- 18cm/7" length
- Single blunt prongs
- 90° Angled

MSH131-18



SOFT TISSUE RETRACTOR

Kolbel Shoulder Retractor

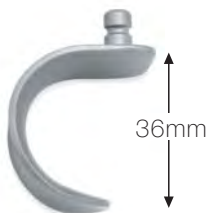
- With 3 pairs of detachable blades
- 23cm/9" length

MSH132-23

Complete set with 3 pairs of blades and retractor frame

MSH133-00

Retractor frame only



MSH134-36
Small blade



MSH135-53
Medium blade

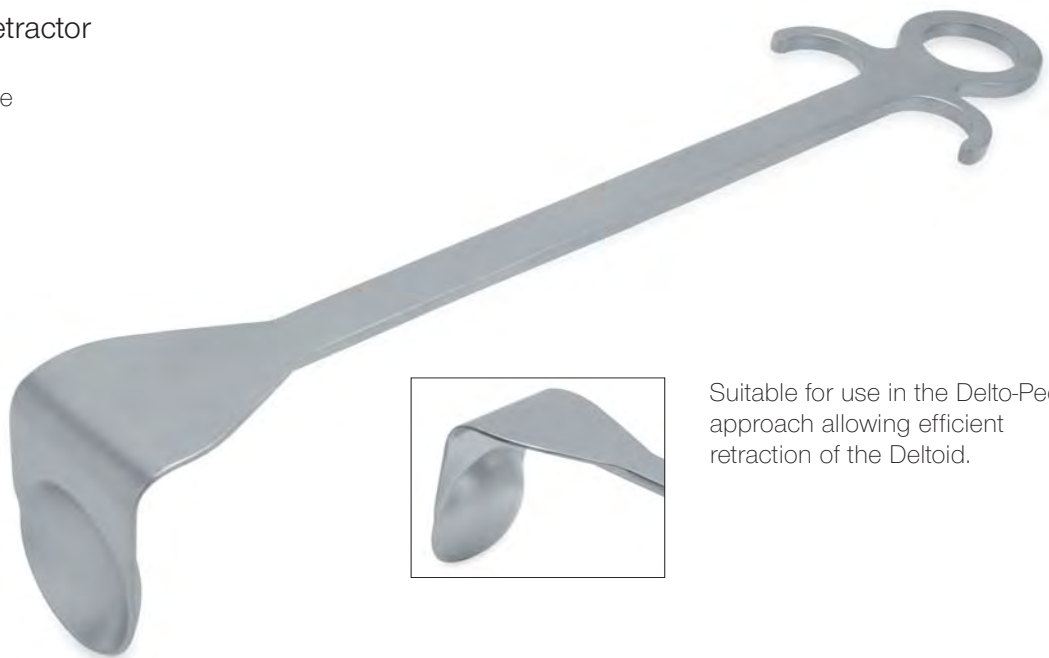


MSH136-68
Large blade

Browne Deltoid Retractor

- 27cm/10¹/₂ length
- 60mm x 65mm blade
- Cupped blade

MSH137-27

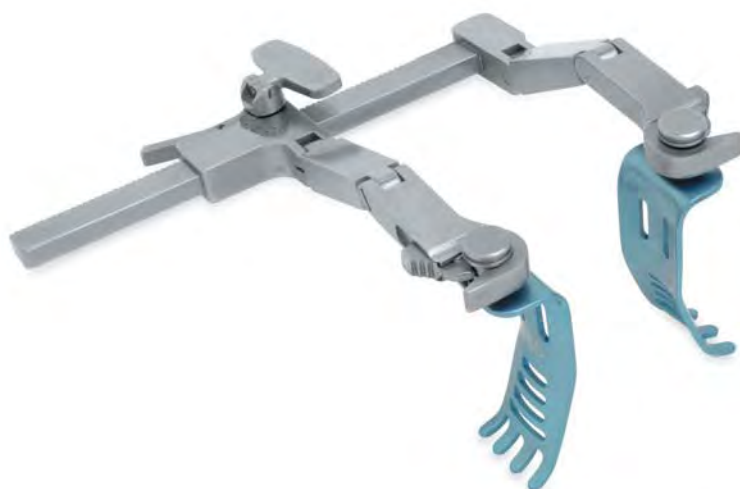


Suitable for use in the Delto-Pectoral approach allowing efficient retraction of the Deltoid.

Titanium Bladed Shoulder Retractor

Complete set with:

- 1x Frame
- 2x Blade holders
- 2 Sets of Titanium blades
- Sterilizing container



Frame with Articulating Joints

- Quick lock + unlock for blades
- Maximum spread 10cm

MSH138-00



Blade Holder

MSH139-00

Titanium Retractor Blades

- 30 angled
- Small blade size 22mm x 55mm
- Large blade size 22mm x 65mm





A-G79@5B9CIG

Richardson Retractor

- 20mm width
 - 24cm/9½ length
- MSH140-20**



Richardson Retractor

- 28mm width
 - 24cm/9½ length
- MSH141- 28**



Kolbel Tenectomy Ronguer

- 18cm/7" length
 - Jaws 3mm bite
 - Strong curved
- MSH142-19**



Kolbel Bone Nibblers

- 18cm/7" length
 - Jaws 5mm bite
 - Light curved
- MSH143-19**



Mallet

- 24cm/9½ length
 - Tufnol handle
 - 480 grams
- MSH144-24**



Chisel with 4 Interchangeable Blades

- 20cm/8" length
 - Tufnol handle
 - Complete with blade sizes: 5mm, 10mm, 15mm, 25mm & key
- MSH145-20**



Smart Hooks

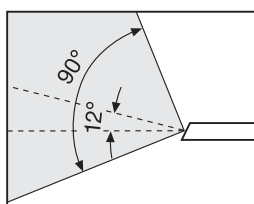
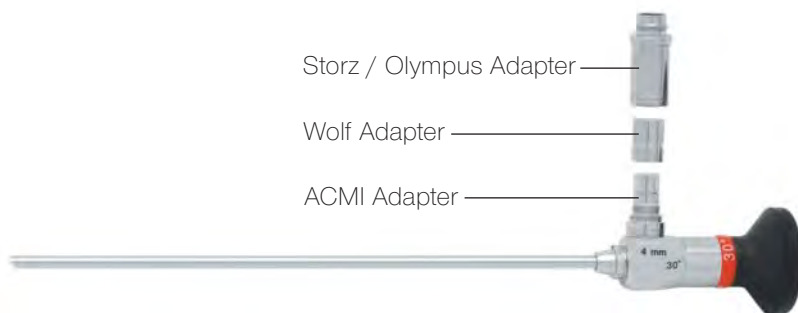
- For Rotator Cuff Repair
- Tip design reduces tissue trauma



The Smart Hooks are designed for suture passing and retrieving during rotator cuff surgery. The instruments tip design reduces tissue trauma whilst security holding and passing the suture. The sharp curved tip of the instrument is designed to pierce the labrum or rotator cuff muscle and tendons with the suture allowing repair and securing of the rotator cuff muscle to the Glenoid.

Arthroscope

- Autoclavable 134° C
- 30° angle of view
- Working length 175mm



30°

Forward Oblique Telescope

MSH148-30 2.7mm Ø

MSH149-30 4mm Ø



Operating Sheath with 2 stopcocks

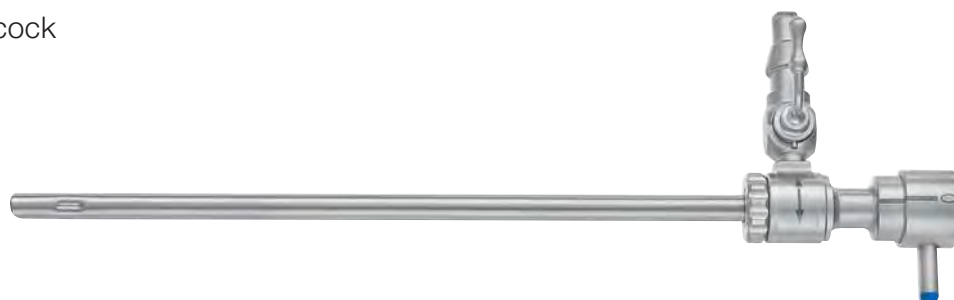
- 5.5mm diameter
- Blue colour code
- For use with 4mm Ø telescope



MSH150-55

Operating Sheath with 1 stopcock

- 5.5mm diameter
- Blue colour code
- For use with 4mm Ø telescope



MSH151-55

Blunt Obturator

- For Operating Sheath 5.5mm diameter



MSH152-55

Sharp Obturator

- For Operating Sheath 5.5mm diameter



MSH153-55

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○ Spinal & Orthopaedic Surgery Instruments

LAMINECTOMY PUNCH

Kerrison Laminectomy Punch 40° UPWARD Jaw Angle

40° UPWARD JAW		
18cm/7" Shaft	20cm/8" Shaft	Bite Size
MS101-4071	MS107-4081	1mm
MS102-4072	MS108-4082	2mm
MS103-4073	MS109-4083	3mm
MS104-4074	MS110-4084	4mm
MS105-4075	MS111-4085	5mm
MS106-4076	MS112-4086	6mm



40° UPWARD



40° DOWNWARD JAW		
18cm/7" Shaft	20cm/8" Shaft	Bite Size
MS113-4071	MS119-4081	1mm
MS114-4072	MS120-4082	2mm
MS115-4073	MS121-4083	3mm
MS116-4074	MS122-4084	4mm
MS117-4075	MS123-4085	5mm
MS118-4076	MS124-4086	6mm



40° DOWNWARD

Kerrison 'Black Line' Laminectomy Punch with Bone Ejector & Titanium Coating 40° UPWARD Jaw Angle

40° UPWARD JAW		
18cm/7" Shaft	20cm/8" Shaft	Bite Size
MS125-4071T	MS131-4081T	1mm
MS126-4072T	MS132-4082T	2mm
MS127-4073T	MS133-4083T	3mm
MS128-4074T	MS134-4084T	4mm
MS129-4075T	MS135-4085T	5mm
MS130-4076T	MS136-4086T	6mm

*(without ejector)



40° UPWARD



Kerrison Laminectomy Punch

90° UPWARD Jaw Angle

90° UPWARD JAW

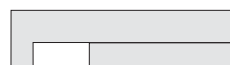
18cm/7" Shaft	20cm/8" Shaft	Bite Size
MS137-9071	MS143-9081	1mm
MS138-9072	MS144-9082	2mm
MS139-9073	MS145-9083	3mm
MS140-9074	MS146-9084	4mm
MS141-9075	MS147-9085	5mm
MS142-9076	MS148-9086	6mm



90° UPWARD

90° DOWNWARD JAW

18cm/7" Shaft	20cm/8" Shaft	Bite Size
MS149-9071	MS155-9081	1mm
MS150-9072	MS156-9082	2mm
MS151-9073	MS157-9083	3mm
MS152-9074	MS158-9084	4mm
MS153-9075	MS159-9085	5mm
MS154-9076	MS160-9086	6mm



90° DOWNWARD

Kerrison Laminectomy Punch with Bone Ejector

40° UPWARD Jaw Angle

40° UPWARD JAW

18cm/7" Shaft	20cm/8" Shaft	Bite Size
MS161-4072E	MS166-4082E	2mm
MS162-4073E	MS167-4083E	3mm
MS163-4074E	MS168-4084E	4mm
MS164-4075E	MS169-4085E	5mm
MS165-4076E	MS170-4086E	6mm



40° UPWARD

LAMINECTOMY PUNCH

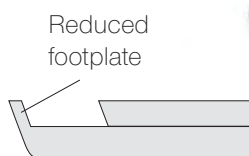
Kerrison Thin Footplate Laminectomy Punch

40° UPWARD Jaw Angle

40° UPWARD JAW **WITH THIN FOOTPLATE**

18cm/7" Shaft 20cm/8" Shaft Bite Size

MS171-4072T	MS176-4082T	2mm
MS172-4073T	MS177-4083T	3mm
MS173-4074T	MS178-4084T	4mm
MS174-4075T	MS179-4085T	5mm
MS175-4076T	MS180-4086T	6mm



40° UPWARD

- A reduced footplate thickness useful for a restricted operating area

Wide Opening Kerrison Laminectomy Punch

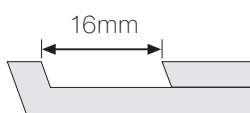
40° UPWARD Jaw Angle

40° UPWARD JAW

20cm/8" Shaft Bite Size

MS181-4082	2mm
MS182-4083	3mm
MS183-4084	4mm
MS184-4085	5mm
MS185-4086	6mm

- Wide opening jaws allowing the surgeon to envelope more bone



40° UPWARD

Swing System Kerrison Laminectomy Punch

40° UPWARD Jaw Angle

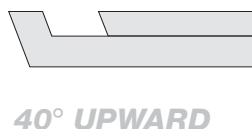
The Swing System Kerrison is a new design allowing the shaft to be opened for decontamination and lubrication.



40° UPWARD JAW

18cm/7" Shaft 20cm/8" Shaft Bite Size

MS186-4071D	MS192-4081D	1mm
MS187-4072D	MS193-4082D	2mm
MS188-4073D	MS194-4083D	3mm
MS189-4074D	MS195-4084D	4mm
MS190-4075D	MS196-4085D	5mm
MS191-4076D	MS197-4086D	6mm



- Maintains efficient function of instrument
- Ensures decontamination of instrument
- Easy to open
- Available with Bone Ejector - suffix E

Love Kerrison Punch

40° UPWARD Jaw Angle

40° UPWARD JAW

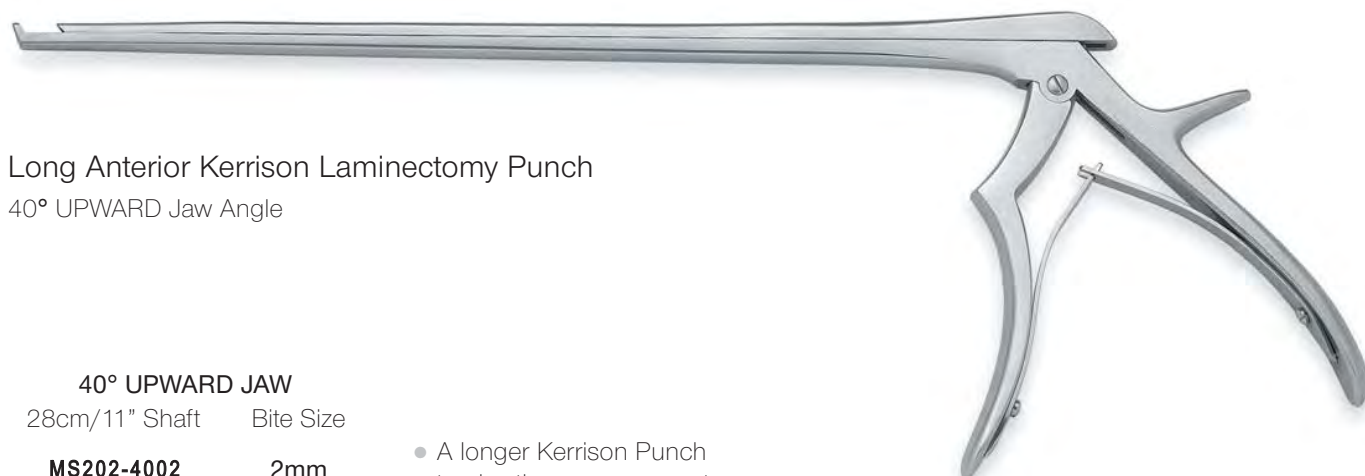
20cm/8" Shaft Bite Size

MS198-4082	2mm
MS199-4083	3mm
MS200-4084	4mm
MS201-4085	5mm

- Larger handle on this Kerrison Punch



LAMINECTOMY PUNCH



Long Anterior Kerrison Laminectomy Punch

40° UPWARD Jaw Angle

40° UPWARD JAW

28cm/11" Shaft Bite Size

MS202-4002	2mm
MS203-4003	3mm
MS204-4004	4mm
MS205-4005	5mm
MS206-4006	6mm

- A longer Kerrison Punch to give the surgeon greater reach in the deeper Anterior area



Curved Foramenotomy Punch

40° UPWARD Jaw Angle

40° UPWARD JAW

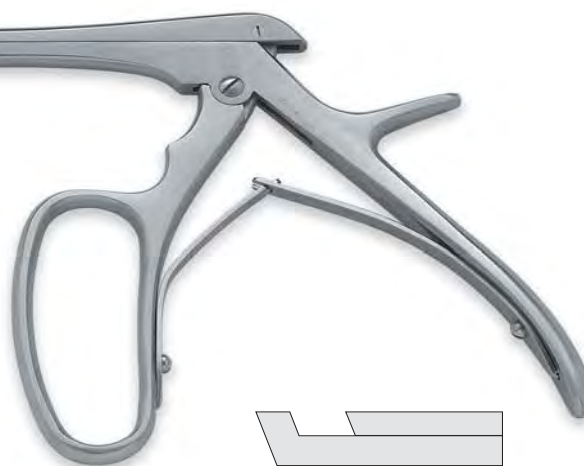
20cm/8" Shaft Bite Size

MS207-4082	2mm
MS208-4083	3mm
MS209-4084	4mm

- Curved shaft designed to improve access to the Foramen

Ferris-Smith Kerrison Laminectomy Punch

40° UPWARD Jaw Angle with modified ring handle



40° UPWARD

40° UPWARD JAW

18cm/7" Shaft	20cm/8" Shaft	Bite Size
MS210-4072	MS214-4082	2mm
MS211-4073	MS215-4083	3mm
MS212-4074	MS216-4084	4mm
MS213-4075	MS217-4085	5mm
MS213-4076	MS218-4086	6mm

Osteo-Rotating Punch

40° UPWARD Jaw Angle



40° UPWARD JAW

18cm/7" Shaft	21cm/8 1/4" Shaft	Bite Size
MS219-40	MS224-40	0.6mm
MS220-41	MS225-41	1mm
MS221-42	MS226-42	2mm
MS222-43	MS227-43	3mm
MS223-44	MS228-44	4mm

- Thin foot plate for tight areas
- Full 360° rotation of shaft
- Removable shaft allows cleaning & replacement
- Ergonomically shaped handle

DISC RONGEURS

Intervertebral Disc Rongeur



STRAIGHT JAW

15cm/6" Shaft	18cm/7" Shaft	20cm/8" Shaft	Bite Size
MS229-15S	MS236-18S	MS243-20S	1.5mm
MS230-15S	MS237-18S	MS244-20S	2mm
MS231-15S	MS238-18S	MS245-20S	3mm
MS232-15S	MS239-18S	MS246-20S	4mm
MS233-15S	MS240-18S	MS247-20S	5mm
MS234-15S	MS241-18S	MS248-20S	6mm
MS235-15S	MS242-18S	MS249-20S	7mm

Intervertebral Disc Rongeur



40° ANGLED UPWARD JAW

15cm/6" Shaft	18cm/7" Shaft	20cm/8" Shaft	Bite Size
MS250-15U	MS257-18U	MS264-20U	1.5mm
MS251-15U	MS258-18U	MS265-20U	2mm
MS252-15U	MS259-18U	MS266-20U	3mm
MS253-15U	MS260-18U	MS267-20U	4mm
MS254-15U	MS261-18U	MS268-20U	5mm
MS255-15U	MS262-18U	MS269-20U	6mm
MS256-15U	MS263-18U	MS270-20U	7mm

Intervertebral Disc Rongeur



40° ANGLED DOWNWARD JAW

15cm/6" Shaft	18cm/7" Shaft	20cm/8" Shaft	Bite Size
MS271-15D	MS278-18D	MS285-18D	1.5mm
MS272-15D	MS279-18D	MS286-18D	2mm
MS273-15D	MS280-18D	MS287-18D	3mm
MS274-15D	MS281-18D	MS288-18D	4mm
MS275-15D	MS282-18D	MS289-18D	5mm
MS276-15D	MS283-18D	MS290-18D	6mm
MS277-15D	MS284-18D	MS291-18D	7mm

Williams Discectomy Rongeur

14cm/5½" Shaft

MS292-14



- Single Toothed Cup 1mm Bite



'Pea Pod' Disc Rongeur

15cm/6" Shaft

10mm length Jaw

Bite Size

MS293-15 2mm

MS294-15 3mm

MS295-15 4mm



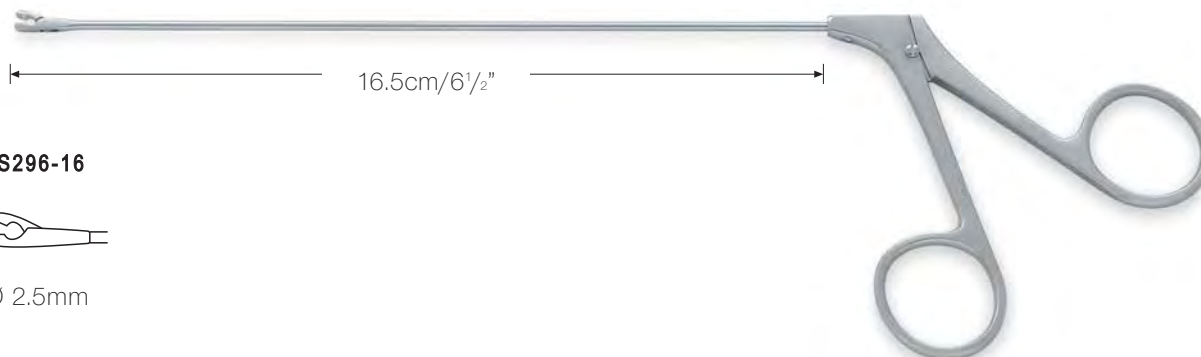
Nicola Micro Cupped Biopsy Forceps

16.5cm/6½" Shaft

MS296-16



Ø 2.5mm



DISC RONGEURS

Caspar Toothed Disc Rongeur

- Serrated and fenestrated jaws

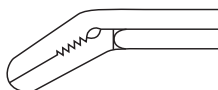
STRAIGHT JAW		
16cm/6 ¹ / ₄ " Shaft	18cm/7" Shaft	Bite Size
MS297-16	MS301-18	2mm
MS298-16	MS302-18	3mm
MS299-16	MS303-18	4mm
MS300-16	MS304-18	5mm



UPWARD JAW		
16cm/6 ¹ / ₄ " Shaft	18cm/7" Shaft	Bite Size
MS305-16	MS309-18	2mm
MS306-16	MS310-18	3mm
MS307-16	MS311-18	4mm
MS308-16	MS312-18	5mm

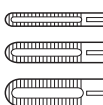


DOWNWARD JAW		
16cm/6 ¹ / ₄ " Shaft	18cm/7" Shaft	Bite Size
MS313-16	MS317-18	2mm
MS314-16	MS318-18	3mm
MS315-16	MS319-18	4mm
MS316-16	MS320-18	5mm

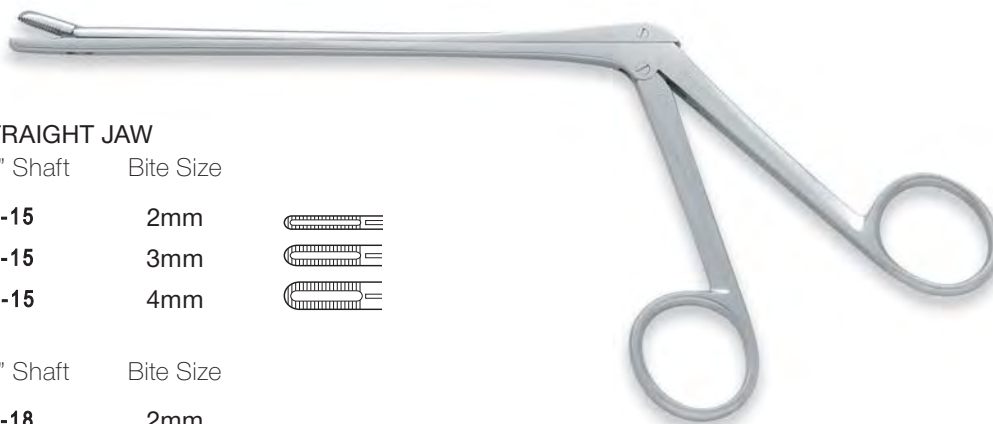


Schlesinger Toothed Rongeur

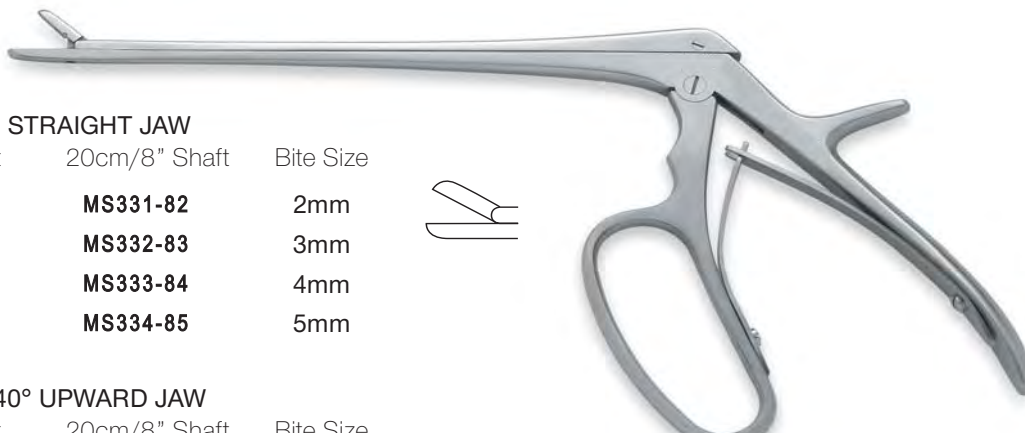
STRAIGHT JAW	
15cm/6" Shaft	Bite Size
MS321-15	2mm
MS322-15	3mm
MS323-15	4mm



18cm/7" Shaft	Bite Size
MS324-18	2mm
MS325-18	3mm
MS326-18	4mm



Ferris-Smith Disc Rongeur



STRAIGHT JAW

18cm/7" Shaft	20cm/8" Shaft	Bite Size
MS327-72	MS331-82	2mm
MS328-73	MS332-83	3mm
MS329-74	MS333-84	4mm
MS330-75	MS334-85	5mm

40° UPWARD JAW

18cm/7" Shaft	20cm/8" Shaft	Bite Size
MS335-72	MS339-82	2mm
MS336-73	MS340-83	3mm
MS337-74	MS341-84	4mm
MS338-75	MS342-85	5mm

Anterior Disc Rongeur

28cm/11" Shaft



Straight	Upward	Bite Size
MS343-2	MS347-2	2mm
MS344-3	MS348-3	3mm
MS345-4	MS349-4	4mm
MS346-5	MS350-5	5mm

- Longer 28cm shaft for greater reach in the Anterior Approach

Anterior Pituitary Rongeur

35cm/13½" Shaft



STRAIGHT	UPWARD	Bite Size
MS351-35S	MS355-35U	2.4mm
MS352-35S	MS356-35U	4mm
MS353-35S	MS357-35U	6mm
MS354-35S	MS358-35U	8mm

- Extra long length shaft for deeper areas
- with teeth
- with teeth

BONE NIBBLERS & CUTTERS

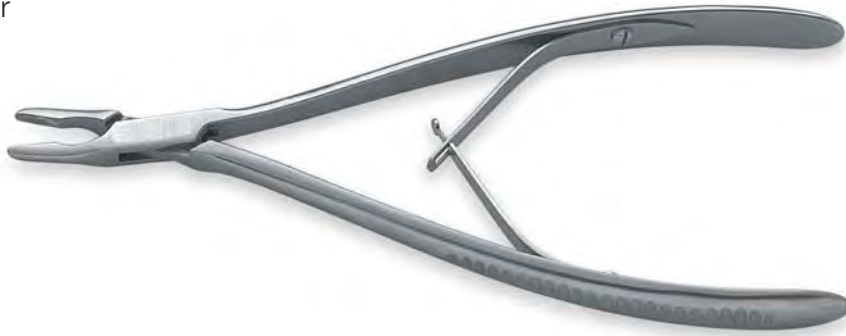
Lempert Bone Nibbler

Single Action

19cm/7½"

3mm Bite

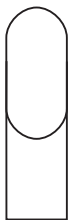
MS359-19



Luer Bone Nibbler

Single Action

18cm/7"



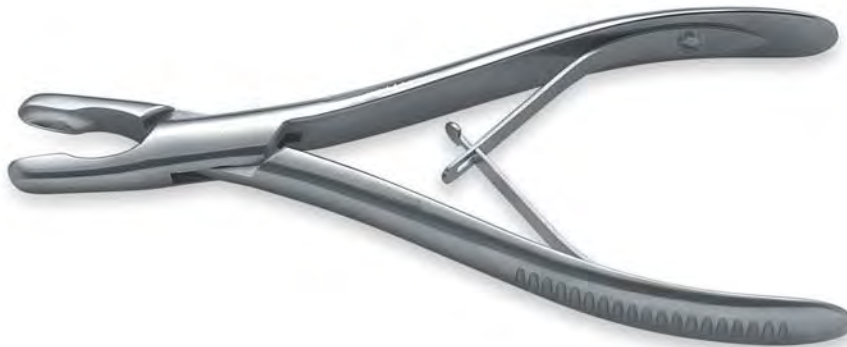
Straight
8mm Bite

MS360-18



Curved
8mm Bite

MS361-18



Adsons Bone Nibbler

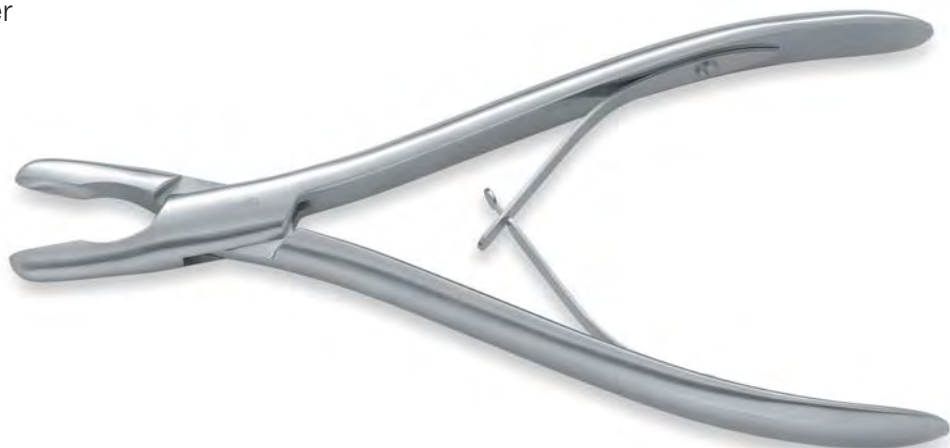
Single Action

20cm/8"



7mm Bite

MS362-20



Pennybacker Bone Nibbler

Single Action

20cm/8"



4mm Bite

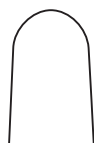
MS363-20



Northfields Bone Nibbler

Single Action

20cm/8"



10mm Bite

MS364-20



'Rat Toothed' Bone Nibbler

Single Action

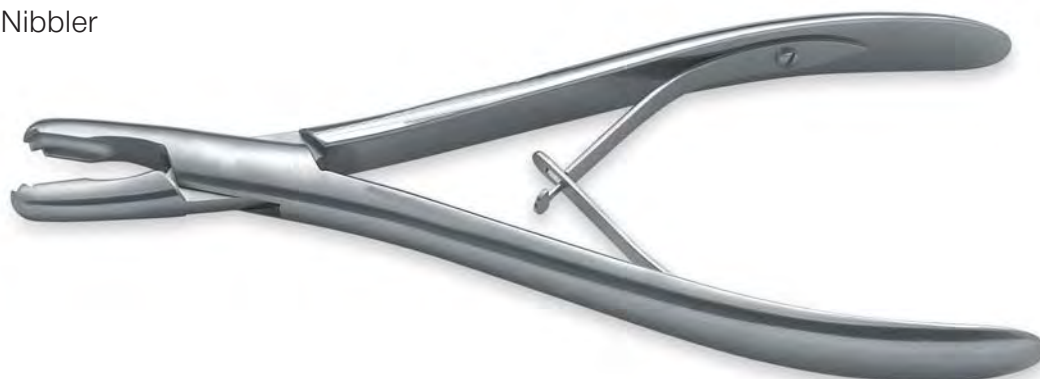
21cm/8³/₄"

8mm Bite

MS365-21



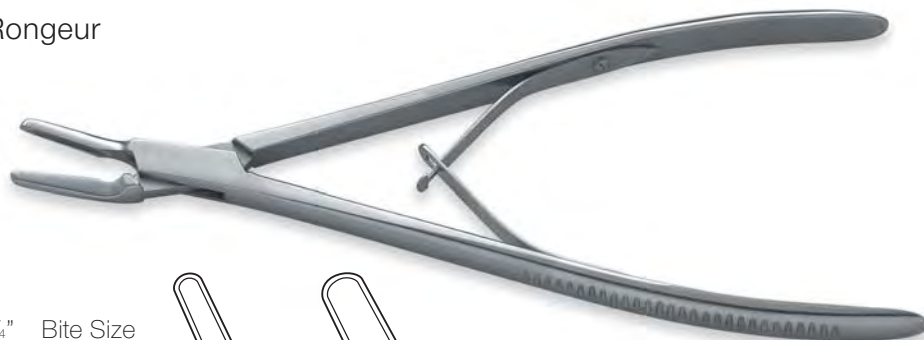
• 3 x 3 Teeth



BONE NIBBLERS & CUTTERS

Zielke Intervertebral Rongeur

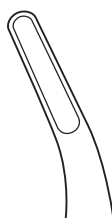
Angled Parallel Jaws



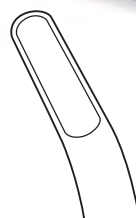
21cm/8¼" 25cm/9¾" Bite Size

MS366-21 **MS368-25** 3mm

MS367-21 **MS369-25** 5mm



3mm Bite



5mm Bite

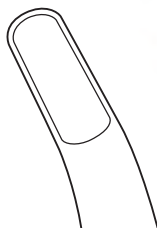
Matzen Intervertebral Rongeur

20cm/8"



8mm Bite

MS370-20



Beyer Bone Nibbler

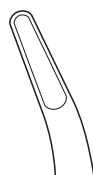
Curved Double Action

18cm/7"



4mm Bite

MS371-18



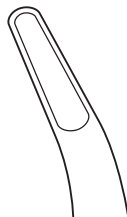
Jansen Bone Nibbler

Curved Double Action

18cm/7"

5mm Bite

MS372-18



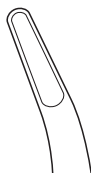
Marquardt Bone Nibbler

Curved Double Action

20cm/8"

3mm Bite

MS373-20



Smith-Peterson Bone Nibbler

Double Action

24cm/9½"

Straight

Light Curve

Bite Size

MS374-24

MS378-24

3mm

MS375-24

MS379-24

4mm

MS376-24

MS380-24

5mm

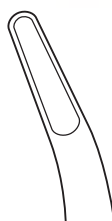
MS377-24

MS381-24

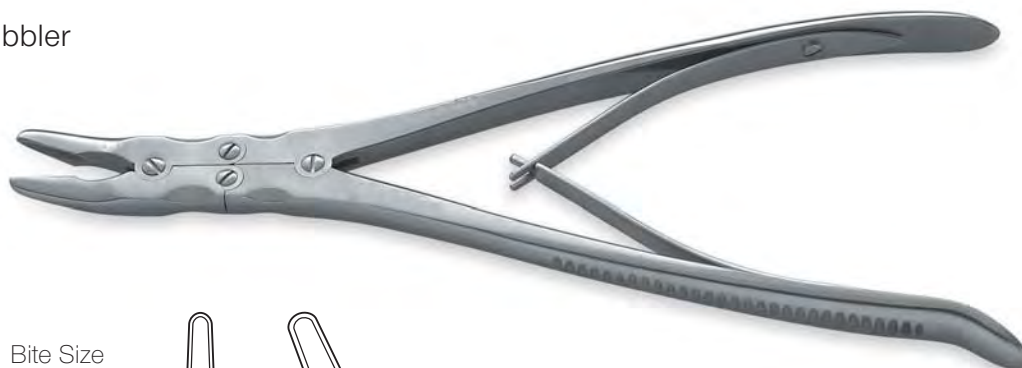
6mm



Straight



Light Curve

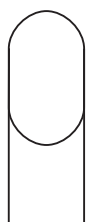


BONE NIBBLERS

Stille-Luer Bone Nibbler

Double Action

22cm/8³/₄"



Straight
10mm Bite
MS382-22



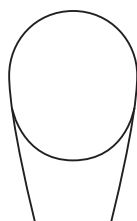
Curved
10mm Bite
MS383-22



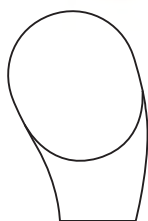
'Mr Blobby' Stille-Luer Bone Nibbler

Double Action

26cm/10¹/₄"



Straight
17mm Bite
MS384-26



Curved
17mm Bite
MS385-26



Leksell Bone Nibbler

Double Action Angled

24cm/9¹/₂"

Angled Jaw

Bite Size

MS386-24

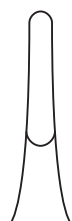
3mm

MS387-24

5mm

MS388-24

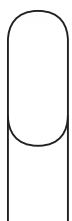
8mm



3mm



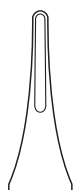
5mm



8mm



Echlin Duckbill Nibbler
23cm/9"



2mm Bite
MS389-23



3mm Bite
MS390-23



4mm Bite
MS391-23



Long Anterior Leksell Bone Nibbler

Double Action
30cm/12"



5mm Bite
MS392-30



8mm Bite
MS393-30



Sypert Bone Nibbler

Double Action - very long
36cm/14¹/₄"



5mm Bite
MS394-36



8mm Bite
MS395-36



BONE CUTTERS

McIndoe Bone Cutters

18cm/7"



MS396-18



Stille-Liston Bone Cutters

27cm/10³/₄"



Straight

MS397-27



Angled

MS398-27



Liston-Key-Horsley Bone Cutters

27cm/10³/₄"



MS399-27



Drill Guide

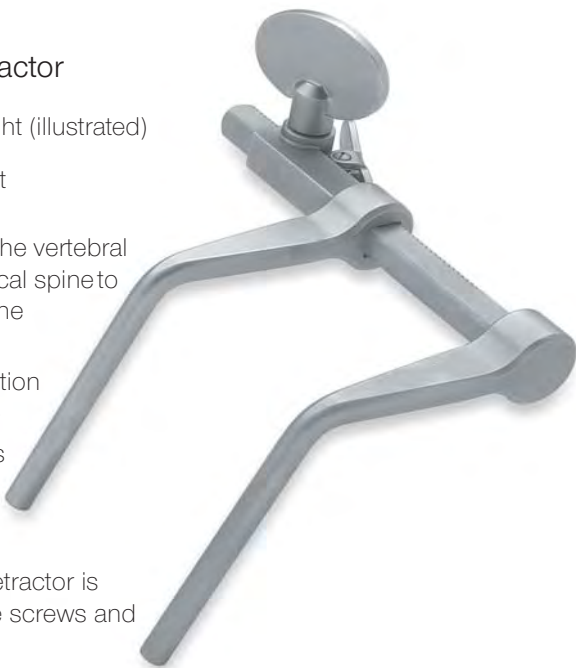
- MS400-00** Right (illustrated)
- MS401-10** Left



Distraction Retractor

- MS402-00** Right (illustrated)
- MS403-10** Left

- For retraction of the vertebral body in the cervical spine to allow access to the disc
- Less instrumentation in the disc space
- Distraction screws are secured into the vertebral body either side of the disc, the retractor is then slid over the screws and retracted



Vertebral Body Distraction Set

MS404-00

Complete set consisting of:

Qty	Order Code	Description
1	MS405-00	Retractor Right
1	MS406-00	Drill Guide Right
1	MS407-00	Screw Driver
1	MS408-00	Distraction Drill
1	MS409-14	Distraction Screws 14mm quantity 2

Distraction Screws

- 7cm post length



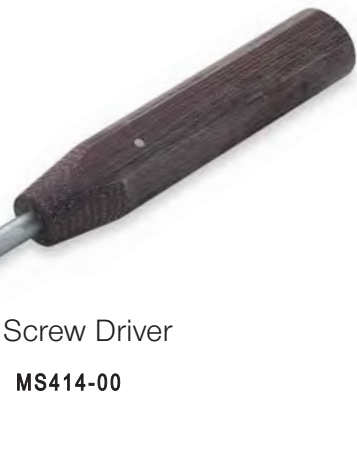
Supplied
Sterile in
Boxes of 10 Length

- MS411-12** 12mm
- MS412-14** 14mm
- MS413-16** 16mm

Distraction Drill

MS410-00

- For pre-drilling pilot holes for screws with drill guide 2mm



Screw Driver
MS414-00

LAMINA & VERTEBRAL SPREADERS

Cervical Vertebral Spreader

13cm/5 $\frac{1}{4}$ "

MS415-85

Depth

85mm

Depth
85mm



Cloward Cervical Spreader

17cm/6 $\frac{3}{4}$ "

Max opening 20mm

MS416-17

Depth
50mm



Cloward Lamina Spreader

15cm/6"

MS417-70

Depth
70mm



Baby Inge Lamina Spreader

18cm/7"

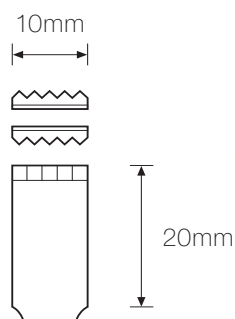
MS418-18



Inge Lamina Spreader

24cm/9½", Max opening 50mm

MS419-24



Scaglietti Lamina Spreader

With speed lock

28cm/11"

MS420-28

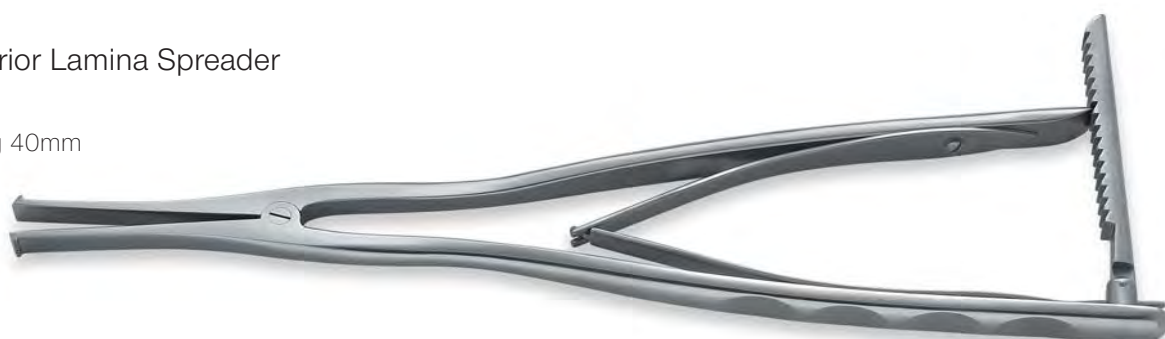


Long Anterior Lamina Spreader

28cm/11"

Max opening 40mm

MS421-28



HAND HELD RETRACTORS

Meyerding Retractor

22.5cm/9"

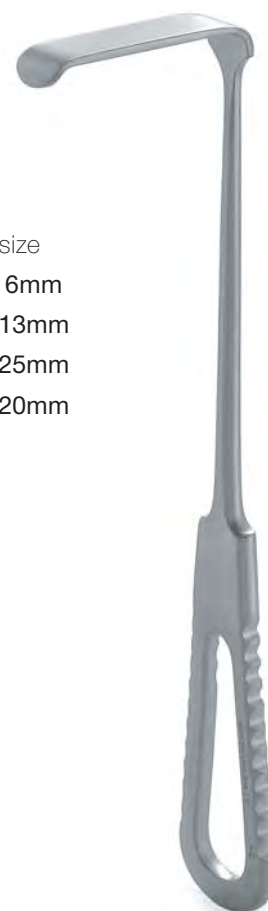


Blade size

MS422-22	50mm x 16mm
MS423-22	75mm x 25mm
MS424-22	90mm x 50mm

Langenbeck Retractor

21.5cm/8½"



Blade size

MS425-21	22mm x 6mm
MS426-21	45mm x 13mm
MS427-21	65mm x 25mm
MS428-21	90mm x 20mm



Taylor Hip Retractor

19cm/7½"

Depth

MS429-19	70mm
MS430-19	85mm
MS431-19	100mm

Cloward Style

Blade

Retractor

11cm/4¼"



Width

MS432-11	13mm
MS433-11	18mm
MS434-11	20mm

Gelpi Laminectomy Retractor

Sharp Prongs

16cm/6½"

Prong depth

MS435-16	30mm
MS436-16	50mm
MS437-16	70mm

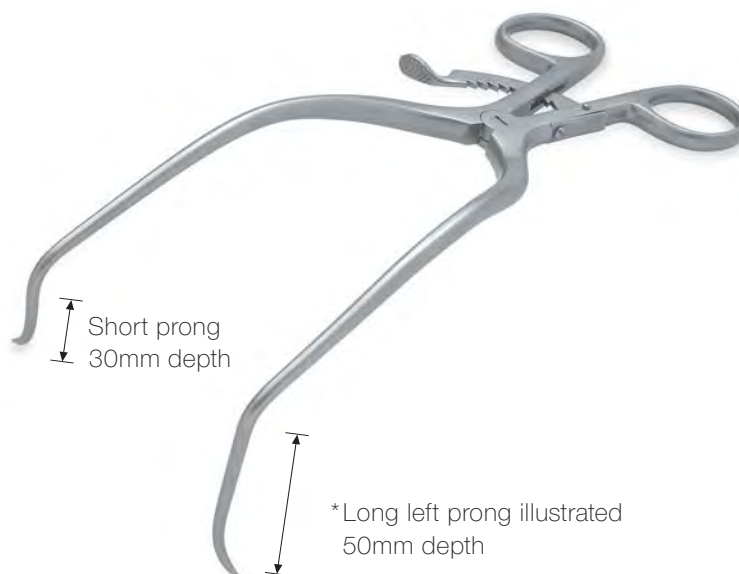


Hardman Retractor

20cm/8"

Prong depth

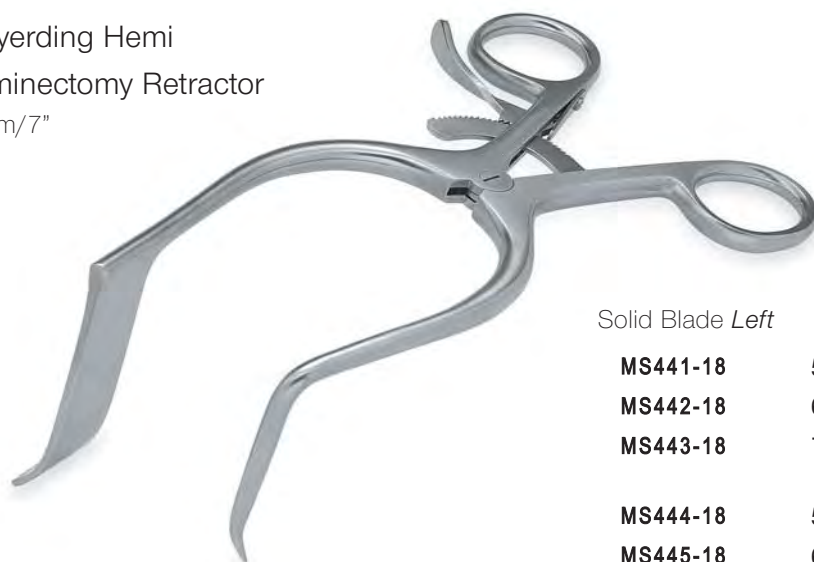
MS438-20	50mm equal prongs
MS439-20	long prong - Left*
MS440-20	long prong - Right



Meyerding Hemi

Laminectomy Retractor

18cm/7"



Solid Blade <i>Left</i>	Blade Size	Solid Blade <i>Right</i>	
MS441-18	50 x 10mm	MS447-18	Narrow Blade
MS442-18	60 x 10mm	MS448-18	
MS443-18	70 x 10mm	MS449-18	
MS444-18	50 x 20mm	MS450-18	Wide Blade
MS445-18	60 x 20mm	MS451-18	
MS446-18	70 x 20mm	MS452-18	

SELF RETAINING RETRACTORS

West's Retractor

14cm/5½"

3 x 4 Sharp Prongs

MS453-14



Weitlaner Retractor

14cm/5½"

3 x 4 Blunt Prongs

MS454-14

*West Retractor
illustrated

Travers Retractor

4 x 5 Blunt Prongs

20cm/8"

MS455-20



Norfolk and Norwich Retractor

4 x 5 Blunt Prongs

20cm/8"

MS456-20

Cones Self Retaining Retractor

3 x 4 Prongs/Jointed Arms



Blunt Prongs	Length
MS457-13	13cm/5"
MS458-16	16cm/6½"
MS459-20	20mm/8"
MS460-24	24mm/9½"

Sharp Prongs	Length
MS461-13	13cm/5"
MS462-16	16cm/6½"
MS463-20	20mm/8"
MS464-24	24mm/9½"

Beckman - Adson Retractor

4 x 5 Blunt Prongs/Jointed Arms

31cm/12"

MS465-32 32mm Deep blades



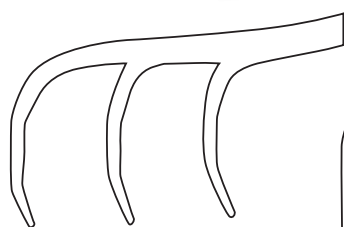
SELF RETAINING RETRACTORS

Viper Scoliosis Retractor

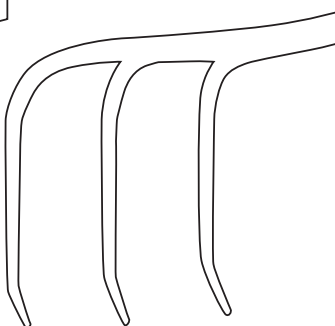
30cm/11³/₄"

Sharp Prongs

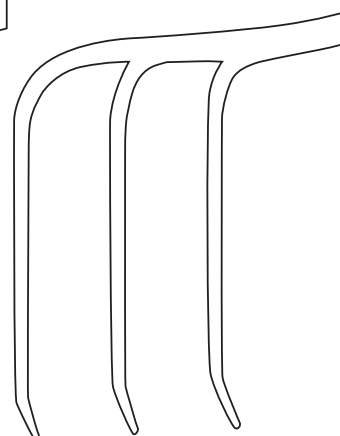
	Depth Prongs
MS466-38	40mm
MS467-40	70mm
MS468-50	100mm



40mm prong depth



70mm prong depth



100mm prong depth

Love Bayonet Nerve Root Retractor

21cm/8¹/₄"**MS469-21**

Krayenbuhl Nerve Root Retractor

Double bayonet

21cm/8¹/₄"**MS471-21**

Krayenbuhl Nerve Root Retractor

Double bayonet

24cm/9¹/₂"**MS472-24**

O'Connell Nerve Root Retractor

21.5cm/8¹/₂"**MS473-21**

NERVE ROOT RETRACTORS

Love Nerve Root Retractor

22cm/8³/₄"

5mm tip width



MS475-22	Straight
MS476-22	25° Angled
MS477-22	90° Angled

Nerve Root Retractor

with suction

31cm/12"

7mm tip width

MS478-31

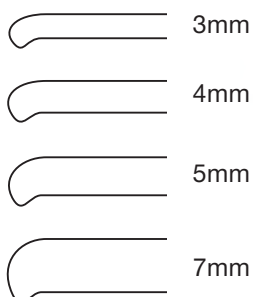


Hess Nerve Root Retractor

19cm/7¹/₂"

Width

MS479-19	3mm
MS480-19	4mm
MS481-19	5mm
MS482-19	7mm



Nerve Root Retractor


19cm/7¹/₂"

with fibre optic
illumination



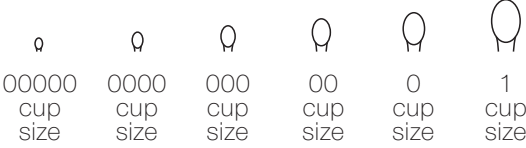
Width

MS483-19	3mm
MS484-19	5mm



Slim Micro Discectomy Curette Handle
MS485-80

- Bayonet handled design for improved visualisation
- 360° rotating shafts are interchangeable
- Shaft length is adjustable
- Lightweight handle
- Instrument length: 23cm max. for standard curettes
- Shaft length 10cm



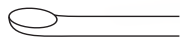
00000
cup size
0000
cup size
000
cup size
00
cup size
0
cup size
1
cup size

Shaft Sizes					
Straight Tip	Cup Size	Forward Angle Tip	Cup Size	Down Pushing Tip	Cup Size
MS486-50	00000	MS491-50	00000	MS496-20	00
MS487-40	0000	MS492-40	0000	MS497-10	0
MS488-30	000	MS493-30	000		
MS489-20	00	MS494-20	00		
MS490-10	0	MS495-10	0		

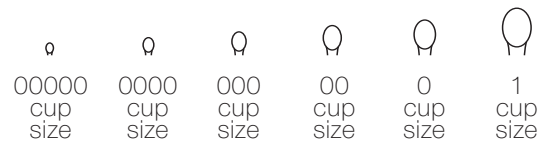
SPINAL CURETTES

Lempert Curette

21cm/8¹/₄"



Straight	Cup Size	Angled	Cup Size
MS498-21	00000	MS504-21	00000
MS499-21	0000	MS505-21	0000
MS500-21	000	MS506-21	000
MS501-21	00	MS507-21	00
MS502-21	0	MS508-21	0
MS503-21	1	MS509-21	1

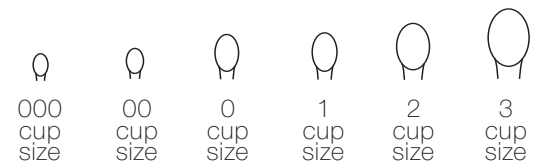


Bruns Curette

23cm/9"



Straight	Cup Size	Angled	Cup Size
MS510-23	000	MS516-23	000
MS511-23	00	MS517-23	00
MS512-23	0	MS518-23	0
MS513-23	1	MS519-23	1
MS514-23	2	MS520-23	2
MS515-23	3	MS521-23	3



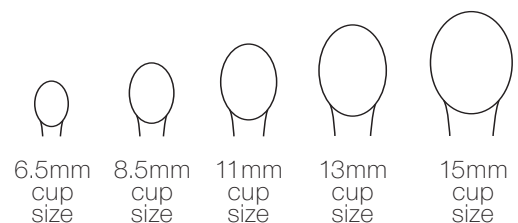
Comfort Handle Curette

20cm Handle

29cm/11¹/₂"

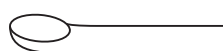


Straight	Cup Size	Angled	Cup Size
MS522-07	6.5mm	MS527-07	6.5mm
MS523-09	8.5mm	MS528-09	8.5mm
MS524-11	11mm	MS529-11	11mm
MS525-13	13mm	MS530-13	13mm
MS526-15	15mm	MS531-15	15mm



Tufnol Handle Curette

27cm/10"



Straight

Cup Size

MS532-27

2mm

MS533-27

3mm

MS534-27

4mm

MS535-27

5mm



Angled

Cup Size

MS536-27

2mm

MS537-27

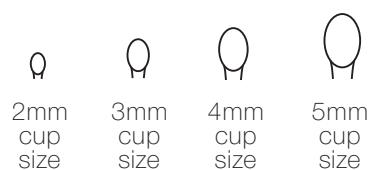
3mm

MS538-27

4mm

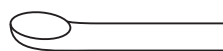
MS539-27

5mm



Long Anterior Curette

38cm/15"



Straight

Cup Size

MS540-38

4.3mm

MS541-38

7mm

MS542-38

8mm



Angled

Cup Size

MS543-38

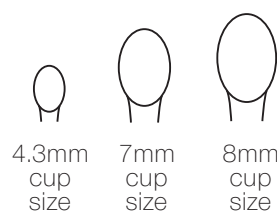
4.3mm

MS544-38

7mm

MS545-38

8mm



SPINAL CURETTES

Cones Ring Curette

23cm/9"



Straight	Ring Size	Angled	Ring Size		
MS546-23	3mm	MS549-23	3mm		3mm ring size
MS547-23	6mm	MS550-23	6mm		6mm ring size
MS548-23	8mm	MS551-23	8mm		8mm ring size

Zielke Curette

21cm/8¹/₄"




Straight	Size	Angled	Size
MS552-21	8mm	MS554-21	8mm
MS553-21	11mm	MS555-21	11mm

Volkman Double Ended Curette

22cm/8³/₄"










	Size			
MS556-22	Small			
MS557-22	Medium			
MS558-22	Large	Small	Medium	Large

Dahmen Tufnol Handle Osteotome

30cm/12"








			Straight	Width		Angled	Width
	5mm						
	10mm		MS559-30	5mm		MS565-30	5mm
	15mm		MS560-30	10mm		MS566-30	10mm
	20mm		MS561-30	15mm		MS567-30	15mm
	25mm		MS562-30	20mm		MS568-30	20mm
	30mm		MS563-30	25mm		MS569-30	25mm
			MS564-30	30mm		MS570-30	30mm

Lexer Tufnol Handle Osteotome

22cm/8³/₄"










			Width
	7mm		
	10mm	MS571-22	7mm
	15mm	MS572-22	10mm
	20mm	MS573-22	15mm
	25mm	MS574-22	20mm
		MS575-22	25mm

Stille Osteotome

20cm/8"



			Width
	6mm		
	8mm		
	10mm	MS576-20	6mm
	12mm	MS577-20	8mm
	15mm	MS578-20	10mm
	20mm	MS579-20	12mm
	25mm	MS580-20	15mm
	30mm	MS581-20	20mm
		MS582-20	25mm
		MS583-20	30mm

OSTEOTOMES & MALLETS

Scaglietti Straight Osteotome Set

MS584-00

Complete set consisting of:

Qty	Order Code	Description
5	MS585-90	Scaglietti Osteotomes - 5 sizes
1		Instrument Case



Scaglietti Osteotomes

26cm/10¹/₄"

	Size
MS586-06	6mm
MS587-09	9mm
MS588-12	12mm
MS589-16	16mm
MS590-19	19mm



Ombredanne Mallet

24cm/9¹/₂"

Head size 40mm Ø

Weight 550g/20oz

MS591-24



London Splint Mallet

18cm/7"

Head size 30mm Ø

Weight 450g/16.2oz

MS592-18



Lumbar Bone Graft Impactor

22cm/8½"



7mm x 12mm

MS593-40


10mm x 13mm

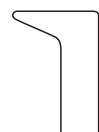
MS594-50


Cervical Bone Graft Impactor 90° Offset

22cm/8½"



6mm x 12mm Tip

MS595-10


3.5mm x 6mm Tip

MS596-55


18cm length

Anterior Bone Graft Impactor

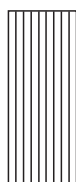
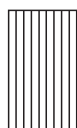
34cm/13½"



9 x 16mm Tip

MS597-48

9 x 23mm Tip

MS598-50


DISSECTORS

Swedish Dissector

18cm/7"



MS599-18

Howarth Elevator

21.5cm/8½"



MS600-21

MacDonald Elevator/Dissector



Size

MS601-19 18cm/7"

MS602-23 23cm/9"

Watson Cheyne Dissector



Size

MS603-18 18cm/7"

MS604-23 23cm/9"

MS605-25 25.5cm/10"

Freers Elevator/Dissector

18.5cm/7¼"



MS606-18

Adson Dural Hook

19cm/7½"

Sharp
MS607-19

Blunt
MS608-19



Emmet Sharp Hook

22cm/8¾"

5mm tip length



MS609-22

Cushing Blunt Hook

28cm/11"

4mm tip length



MS610-28

Crile Blunt Hook

20cm/8"

7mm tip length



MS611-20

Caspar Exploration Hook Insulated

24.5cm/9¾"



MS612-24



MS613-24



MS614-24



MS615-24

HOOKS & PROBES

Adson Blunt Hook

20cm/8"

5mm tip length



MS616-20

Adson Sharp Hook

20cm/8"

5mm tip length



MS617-20

Hook with Ball End

23.5cm/9¹/₄"

5mm tip length



MS618-13

Manipulation Hook

23.5cm/9¹/₄"

4mm tip length



MS619-15

Blalock Blunt Hook

24cm/9¹/₂"

5mm tip length



MS620-24

Cobbs Spinal Elevator

31cm/12¹/₄" overall length/18cm/7" handle length



10mm
MS621-10

13mm
MS622-13

19mm
MS623-19



Comfort Cobbs Elevator

32cm/12¹/₂" overall length/20cm/8" handle length



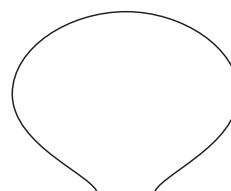
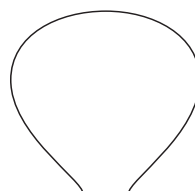
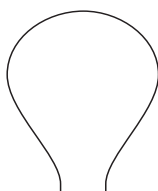
10mm
MS624-10

15mm
MS625-15

20mm
MS626-20

25mm
MS627-25

30mm
MS628-30



Long Anterior Comfort Cobbs Elevator

47cm/18¹/₂"



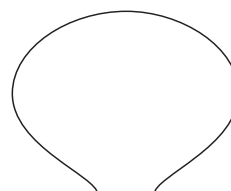
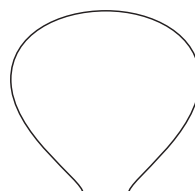
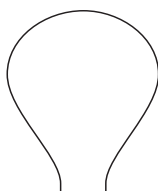
10mm
MS629-50

15mm
MS630-55

20mm
MS631-60

25mm
MS632-65

30mm
MS633-70



ELEVATORS & GOUGES

Adson Periosteal Elevator

16cm/6 $\frac{1}{4}$ "

Curved blunt



	Width		Width
MS634-16	5mm	MS635-16	7mm

Pennybacker Periosteal Elevator

16cm/6 $\frac{1}{4}$ "

Curved sharp



	Width
MS636-16	6mm

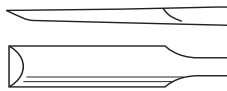
Bone Raspatory with Tufnol Handle

19cm/7 $\frac{1}{2}$ "

Straight



6mm
MS637-19



Bone Raspatory with Tufnol Handle

19cm/7 $\frac{1}{2}$ "

Curved



3mm
MS638-19



6mm
MS639-19



Farabeuf Rugine Elevator

15cm/6"



Straight	Width	Curved	Width
MS640-15	12mm	MS641-15	12mm

Bristows Elevator

23cm/9"

Curved sharp



	Width
MS642-23	10mm



Trethowan Bone Lever

22.5cm/8 1/2"



MS643-22

Lanes Bone Lever

26cm/10 1/4"



MS644-26

Fagge Bone Lever

27.5cm/10 3/4"



MS645-27

Hohmanns Bone Elevator

24cm/9 1/4"



	Width
MS646-24	8mm
MS647-24	18mm
MS648-24	43mm

ELEVATORS & GOUGES

Zielke Gouge Curved

23cm/9"



Width

MS649-23

6mm

MS650-23

9mm

Zielke S-Shaped Gouge

23cm/9"



Width

MS651-23

6mm

MS652-23

9mm

Capener Lamina Gouge

Cranked Shaft

23cm/9"



Width

MS653-23

6mm

MS654-23

8mm

MS655-23

11mm

MS656-23

16mm

Cobb Gouge

28cm/11"



Straight

Width

MS657-28

8mm



Curved

Width

MS658-28

8mm

Measuring Caliper

25cm/10"

MS659-20

Castroviejo Caliper

7cm/2³/₄"

Measuring range 3mm to 25mm

MS660-10

Vernier Caliper

22.5cm/9"

Measuring
range 15cm**MS661-00**

MISC INSTRUMENTS

Frazier Suction Tube

17cm/6³/₄"



		Width
MS662-17	6FG	2.0mm
MS663-17	7FG	2.3mm
MS664-17	8FG	2.7mm
MS665-17	9FG	3.0mm
MS666-17	10FG	3.3mm
MS667-17	12FG	4.0mm

Frazier Suction Tube

23cm/9"



		Width
MS668-23	6FG	2.0mm
MS669-23	7FG	2.3mm
MS670-23	8FG	2.7mm
MS671-23	9FG	3.0mm
MS672-23	10FG	3.3mm
MS673-23	12FG	4.0mm

Bayonet Dissecting Forceps



19cm/7 ¹ / ₂	Tip Size	21cm/8 ¹ / ₄	Tip Size
MS674-19	1mm	MS676-21	1mm
MS675-19	2mm	MS677-21	2mm

Bayonet Bipolar Forceps

(European Block ended fitting)



19cm/7½" Tip Size

MS678- 80	0.3mm
MS679-83	0.7mm
MS680-81	1.0mm
MS681-82	2.0mm

Bipolar Cable



MS685-35L

Banana Plug machine fitting

22.5cm/9" Tip Size

MS682- 90	0.3mm
MS683-91	0.7mm
MS684-92	1.2mm



MS686-30L

Erbe, Storz or Select fitting BM50



MS687-38L

Select fitting BM780

Bayonet Bipolar Forceps

With anti-stick tips

(two pin USA fitting)



22.5cm/8¾" Tip Size

MS688-300	0.5mm
MS689-320	0.7mm
MS690-340	1.0mm
MS691-350	1.3mm
MS692-360	1.5mm
MS693-380	2.0mm

Bipolar Cable



MS694

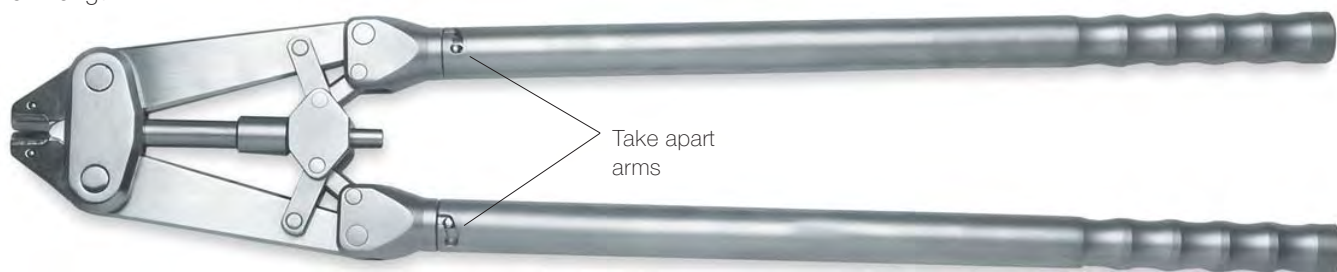
Banana Plug fitting

MISC INSTRUMENTS

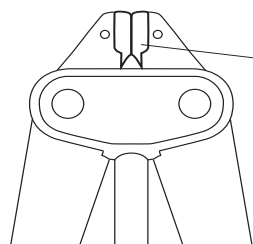
Bolt Cutters with dismantable arms

max. cap 6.5mm pins

57cm length



MS695-575

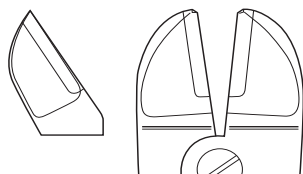


Soft silicon pads positioned above jaws prevent cut pin from causing injury.

- Dismantable Arms for easier sterilization
- Exchangeable Jaws
- New lighter cutting action

Muller-Claus Wire Cutters

Tungsten Carbide Jaws



Length

MS696-E18 18cm/7" • Suitable for wires up to 2mm diameter

MS697-E22 22cm/8³/₄" • Suitable for wires up to 3mm diameter

Needle Nosed Locking Pliers



Length

MS698-220 22cm/8³/₄" Small

MS699-250 25cm/9³/₄" Medium

MS700-300 30cm/11³/₄" Large

- A very useful instrument for orthopaedic surgery allowing the surgeon to securely clamp on to wires and implants.



Wide Muscle Blades

Dimensions



MS701-03	3cm depth
MS702-04	4cm depth
MS703-05	5cm depth
MS704-06	6cm depth
MS705-07	7cm depth
MS706-08	8cm depth

Hook Blades

Dimensions



MS707-02	2cm depth
MS708-03	3cm depth
MS709-04	4cm depth
MS710-05	5cm depth
MS711-06	6cm depth
MS712-07	7cm depth

Narrow Muscle Blades

Dimensions



MS713-03	3cm depth
MS714-04	4cm depth
MS715-05	5cm depth
MS716-06	6cm depth
MS717-07	7cm depth
MS718-08	8cm depth

Toothed Blades

Dimensions



MS719-02	2cm depth
MS720-03	3cm depth
MS721-04	4cm depth
MS722-05	5cm depth
MS723-06	6cm depth
MS724-07	7cm depth

‘BLACK BELT’ ADVANCED CERVICAL RETRACTOR SET



- Full jointed retractor arms
- Black non-glare finish
- Wide blade range
- Suitable for single or multi level retraction

Blades

- The blade shape is designed to resist climbing out of the surgical site
- The wider two level blades have an extra bend near the tip which follows the contour of the vertebrae for visualising



27mm wide
two level
pronged
blade

27mm wide
two level
blade

Pronged
blade

Blunt
blade



Blade Inserter Clamp

- Spring loaded clamping jaws for easy blade engagement
- Clamp handles create minimal visual obstruction
- Blade/clamp assembly may be used for hand retraction
- Clamps are quickly/easily removed after retractor arms have securely engaged the blades

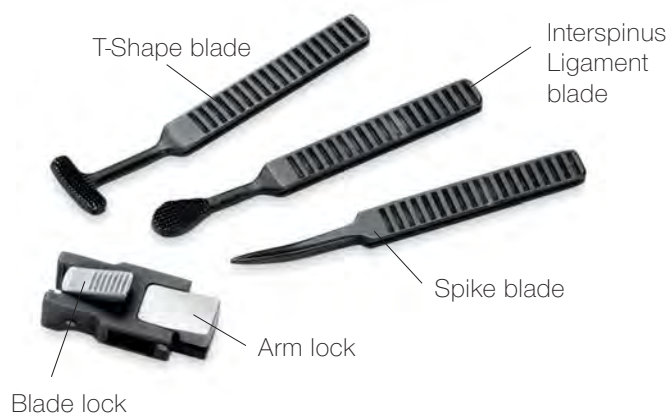
Lumbar Micro Discectomy Attachments

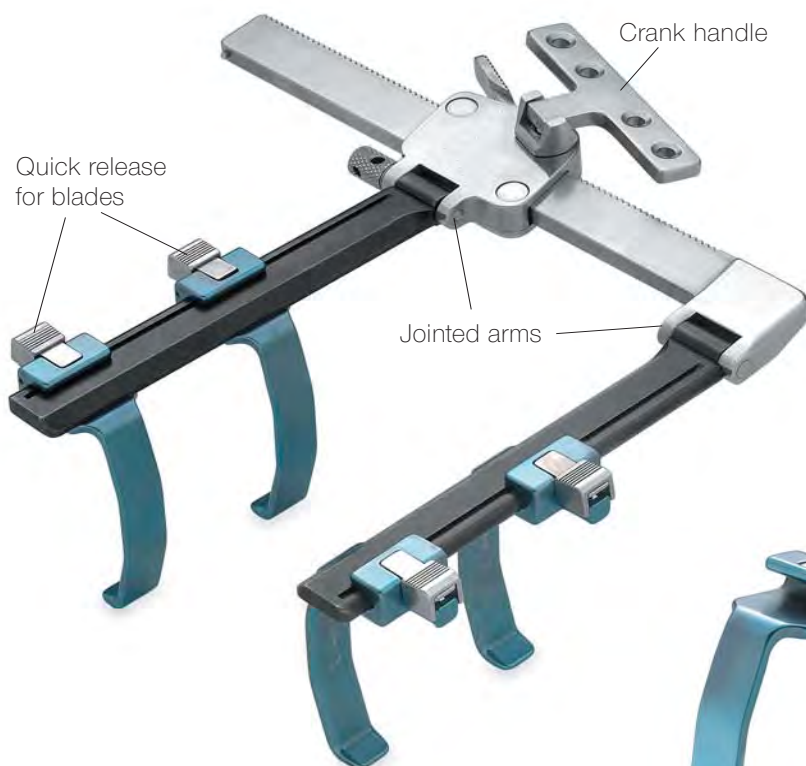
With this set the standard Cervical Retractor becomes a Lumbar Microdiscectomy Retractor unit.

MS725-00

Complete set consisting of:

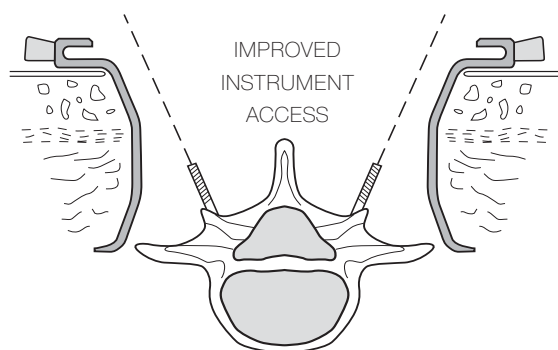
Qty	Order Code	Description
1	MS726-10	Micro Disc attachment
1	MS727-20	Spike Blade
1	MS728-30	T-Shape Blade
1	MS729-40	Inner Spine Ligament Blade
1	MS730-85	Pronged Blade 85mm depth





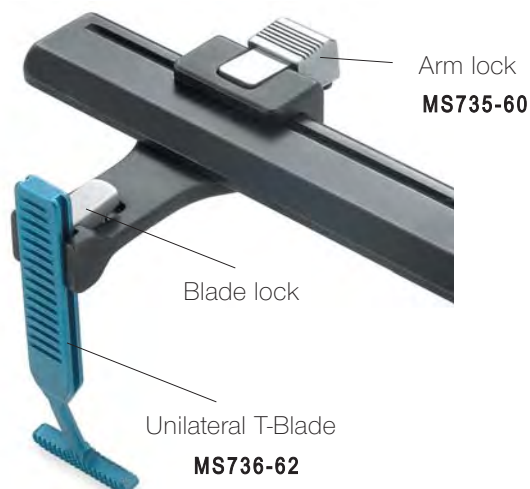
Super-Slide Retractor Blades

- Will not slip out of wound during surgery
- Narrow blade design minimizes potential of tissue necrosis at blade and tissue contact point
- Blades feature quick release locking system



Unilateral Blade Attachment

- Blades lock into any chosen position along the retractor arms and may be changed at any time during surgery
- Arm locks allow the surgeon the choice of either attaching to the retractor arms then placing the unit into the wound or placing the blades into the wound then engaging the frame arms
- To obtain a unilateral exposure, use the unilateral blade attachments contained in the extended set. The T-Blade is designed to attain a firm purchase on the Spinousprocess
- The T-Blade can be adjusted to the correct depth with the blade lock



CASPAR MICRO LUMBAR DISCECTOMY RETRACTOR



Caspar Micro Discectomy Retractor

- This Retractor Set allows a micro surgery approach to Lumbar Disc
- Specula have a black surface finish to prevent glare
- Fenestrated blades on the specula reduce the risk of movement during surgery

Complete Set

MS800-00

Consisting of:

Lateral Blades	Depth	Specula	Depth		
MS801-40	40mm	MS808-40	40mm	MS815-00	Counter Retractor Frame
MS802-45	45mm	MS809-45	45mm	MS816-00	Blade Ejector Forceps
MS803-50	50mm	MS810-50	50mm		
MS804-55	55mm	MS811-55	55mm		
MS805-60	60mm	MS812-60	60mm		
MS806-65	65mm	MS813-65	65mm		
MS807-70	70mm	MS814-70	70mm		

Lateral Blades



Blade Ejector Forceps

MS817-00



Specula Range



Caspar Micro Discectomy Retractor Frame

MS818-00



BLACK BELT MICRO DISCECTOMY RETRACTOR SET

Black Belt Micro Discectomy Retractor Set

A specialist retractor for Lumbar Micro Discectomy Surgery featuring:

- Jointed retractor arms
- Adjustable blade depth
- Range of pronged blades
- Powerful ratchet action with quick release mechanism

MS7274-00 Complete Set

Complete set consisting of:

Qty	Order Code	Description
1	MS7274-10	Retractor Frame
1	MS7274-15	Blade Inserting Clamp
1	MS7274-20	Spike Blade
1	MS7274-30	T-Shape Blade
1	MS7274-35	Inner Spine - Ligament Blade
1	MS7274-40	Pronged Blade 40mm
1	MS7274-45	Pronged Blade 45mm
1	7MS7274-50	Pronged Blade 50mm
1	MS7274-60	Pronged Blade 60mm
1	MS7274-70	Pronged Blade 70mm
1	MS7274-85	Pronged Blade 85mm
1	MS7274-90	Sterilising Container





Page
739–816

○ Cardiac & Vascular Instruments

MICRO NEEDLE HOLDERS

Castroviejo Micro Needle Holder

- Flat Handled
- Tungsten Carbide Jaws
- Straight 1.2mm Jaws



With Lock	Serrated Jaws	Smooth Jaws	Without Lock	Serrated Jaws	Smooth Jaws
13cm/5"	MCV101-13	MCV105-13	13cm/5"	MCV109-13	MCV113-13
18cm/7"	MCV102-18	MCV106-18	18cm/7"	MCV110-18	MCV114-18
20cm/8"	MCV103-20	MCV107-20	20cm/8"	MCV111-20	MCV115-20
21cm/8 ¹ / ₄ "	MCV104-21	MCV108-21	21cm/8 ¹ / ₄ "	MCV112-21	MCV116-21

Castroviejo Micro Needle Holder

- Flat Handled
- Diamond Dusted Jaws
- Straight 1.2mm Jaws



With Lock		Without Lock	
14cm/5 ¹ / ₂ "	MCV117-14	14cm/5 ¹ / ₂ "	MCV120-14
18cm/7"	MCV118-18	18cm/7"	MCV121-18
21cm/8 ¹ / ₄ "	MCV119-21	21cm/8 ¹ / ₄ "	MCV122-21

Titanium Castroviejo Micro Needle Holder

- Flat Handled
- Diamond Dusted Jaws
- Straight 1.2mm Jaws



With Lock		Without Lock	
15cm/6"	MCV123-15T	15cm/6"	MCV127-15T
18cm/7"	MCV124-18T	18cm/7"	MCV128-18T
21cm/8 ¹ / ₄ "	MCV125-21T	21cm/8 ¹ / ₄ "	MCV129-21T
24cm/9 ¹ / ₂ "	MCV126-24T	24cm/9 ¹ / ₂ "	MCV130-24T

Reill Micro Needle Holder

- Round Bodied
- Diamond Dusted Jaws
- Delicate 1mm Jaws



With Lock	Straight	Curved	Without Lock	Straight	Curved
14.5cm/5 ³ / ₄ "	MCV131-14	MCV132-14	14.5cm/5 ³ / ₄ "	MCV133-14	MCV134-14

Jacobson Micro Needle Holder

- Round Bodied
- Diamond Dusted Jaws
- Straight Delicate 1mm Jaws



With Lock		Without Lock	
18cm/7"	MCV135-18	18cm/7"	MCV138-18
21cm/8 ¹ / ₄ "	MCV136-21	21cm/8 ¹ / ₄ "	MCV139-21
23cm/9"	MCV137-23	23cm/9"	MCV140-23

Titanium Jacobson Micro Needle Holder

- Round Bodied
- Diamond Dusted Jaws
- Straight



With Lock	Standard 1.2mm Jaws	Delicate 1mm Jaws	Without Lock	Standard 1.2mm Jaws	Delicate 1mm Jaws
15cm/6"	MCV141-15T	MCV141-1-15T	15cm/6"	MCV145-15T	MCV145-1-15T
18cm/7"	MCV142-18T	MCV142-1-18T	18cm/7"	MCV146-18T	MCV146-1-18T
21cm/8 ¹ / ₄ "	MCV143-21T	MCV143-1-21T	21cm/8 ¹ / ₄ "	MCV147-21T	MCV147-1-21T
23cm/9"	MCV144-23T	MCV144-1-23T	23cm/9"	MCV148-23T	MCV148-1-23T

MICRO NEEDLE HOLDERS

Jacobson Micro Needle Holder

- Round Bodied
- Tungsten Carbide Jaws
- 1.2mm Jaws



With Lock	Straight	Curved	Without Lock	Straight	Curved
15cm/6"	MCV149-15	MCV149-1-15	15cm/6"	MCV153-15	MCV153-1-15
18cm/7"	MCV150-18	MCV150-1-18	18cm/7"	MCV154-18	MCV154-1-18
21cm/8 ¹ / ₄ "	MCV151-21	MCV151-1-21	21cm/8 ¹ / ₄ "	MCV155-21	MCV155-1-21
23cm/9"	MCV152-23	MCV152-1-23	23cm/9"	MCV156-23	MCV156-1-23

Jacobson 'Heavy Style' Needle Holder

- Round Bodied
- Diamond Dusted Jaws
- For Larger Needles - 3/0 size
- Straight Jaws



With Lock		Without Lock	
18cm/7"	MCV157-18	18cm/7"	MCV160-18
23cm/9"	MCV158-23	23cm/9"	MCV161-23
25cm/10"	MCV159-25	25cm/10"	MCV162-25

Titanium Jacobson 'Heavy Style' Needle Holder

- Round Bodied
- Diamond Dusted Jaws
- For Larger Needles - 3/0 size
- Straight Jaws



With Lock		Without Lock	
18cm/7"	MCV163-18T	18cm/7"	MCV166-18T
23cm/9"	MCV164-23T	23cm/9"	MCV167-23T
25cm/10"	MCV165-25T	25cm/10"	MCV168-25T

Barraquer Micro Needle Holder

- Round Bodied
- 0.4mm Jaws



Without Lock	Straight	Curved
13cm/5"	MCV169-13	MCV172-13
15cm/6"	MCV170-15	MCV173-15
18cm/7"	MCV171-18	MCV174-18

Castroviejo Micro Needle Holder

- Flat Handled
- 0.4mm Jaws



Without Lock	Curved
14cm/5½"	MCV175-14
18cm/7"	MCV176-18

Double Action Micro Needle Holder

- Round Bodied
- 0.4mm Jaws



Without Lock	Curved
15cm/6"	MCV177-15
18cm/7"	MCV178-18

BAYONET MICRO NEEDLE HOLDERS

Yasargil Bayonet Micro Needle Holder

- Flat Handled
- Delicate 1mm Jaws



With Lock	Straight	Curved	Without Lock	Straight	Curved
23cm/9"	MCV179-23	MCV180-23	23cm/9"	MCV181-23	MCV182-23

Bayonet Micro Needle Holder

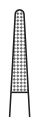
- Round Bodied
- Delicate 1mm Jaws



With Lock	Straight	Curved	Without Lock	Straight	Curved
21cm/8 ¹ / ₄ "	MCV183-21	MCV185-21	21cm/8 ¹ / ₄ "	MCV187-21	MCV189-21
23cm/9"	MCV184-23	MCV186-23	23cm/9"	MCV188-23	MCV190-23

Derf Needle Holder

12cm/4³/₄" TC



MCV191-12

Smooth



MCV192-12



Halsey Needle Holder

13cm/5" TC



MCV193-13

Smooth



MCV194-13

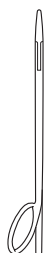


Nieverts Needle Holder (offset ring)

13cm/5" TC



MCV195-13

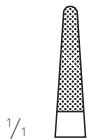








RING HANDLED NEEDLE HOLDERS

Mayo Hegar Needle Holder

- Tungsten Carbide Inserts
- Heavy Jaws

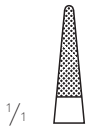






						
14cm/5 $\frac{1}{2}$ "	16cm/6 $\frac{1}{4}$ "	18cm/7"	20cm/8"	23cm/9"	26cm/10 $\frac{1}{4}$ "	30cm/12"
MCV196-14	MCV197-16	MCV198-18	MCV199-20	MCV200-23	MCV201-26	MCV202-30

Crile Wood Needle Holder

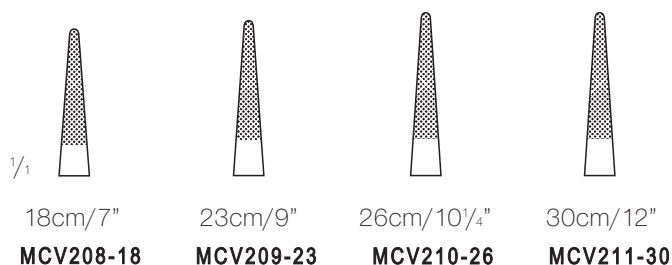
- Tungsten Carbide Inserts
- Fine Jaws



				
15cm/6"	18cm/7"	20cm/8"	23cm/9"	26cm/10 $\frac{1}{4}$ "
MCV203-15	MCV204-18	MCV205-20	MCV206-23	MCV207-26

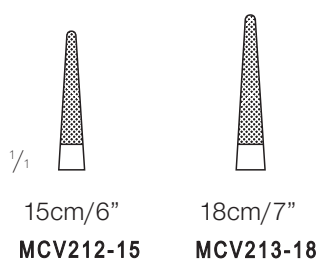
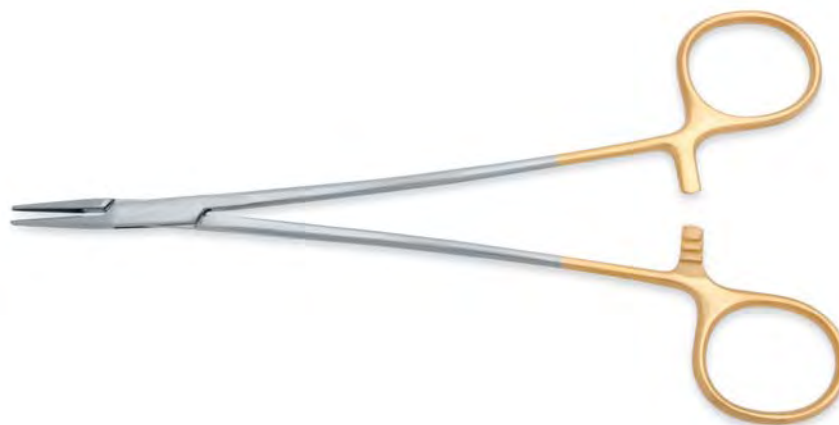
DeBaKey Needle Holder

- Tungsten Carbide Inserts
- Fine Jaws



Micro Vascular Needle Holder

- Tungsten Carbide Inserts
- Slim Delicate Pattern

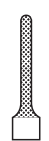

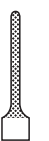




RING HANDLED NEEDLE HOLDERS

Micro Ryder Needle Holder

- Tungsten Carbide Inserts







1.4mm					
II					
					
1/1					
13cm/5"	15cm/6"	18cm/7"	20cm/8"	23cm/9"	
MCV214-13	MCV215-15	MCV216-18	MCV217-20	MCV218-23	

French Eye (Ryder) Needle

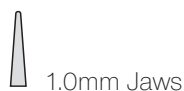
- Tungsten Carbide Inserts



1.9mm				
II				
				
1/1				
16cm/6 3/4"	18cm/7"	20cm/8"	26cm/10 1/4"	
MCV219-16	MCV220-18	MCV221-20	MCV222-26	

Fine Touch Needle Holder

- Diamond Dusted Jaws
- Delicate 1mm Jaws
- For 5/0 Sutures or smaller



16cm/6¹/₄" **MCV223-16**

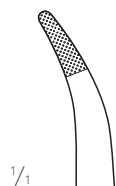
18cm/7" **MCV224-18**

22cm/8³/₄" **MCV225-22**



Stratte Needle Holder

- Tungsten Carbide Inserts
- Curved to side
- 23cm/9" length



MCV226-23 *illustrated

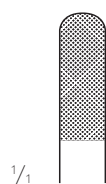


MCV227-23 Stratte reverse



Berry Sternal Needle Holder

- Tungsten Carbide Inserts



18cm/7"

MCV228-18



VASCULAR FORCEPS

DeBakey-Diethrich Atraumatic Tissue Forceps

- Fine 1.5mm Atraumatic Jaws



15cm/6"	MCV229-15
20cm/8"	MCV230-20
24cm/9½"	MCV231-24



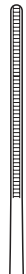
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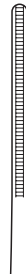
DeBakey Atraumatic Tissue Forceps



1.5mm Tips	
15cm/6"	MCV232-15
20cm/8"	MCV233-20
24cm/9½"	MCV234-24



2mm Tips	
15cm/6"	MCV235-15
20cm/8"	MCV236-20
24cm/9½"	MCV237-24
30cm/12"	MCV238-30



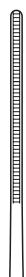
2.8mm Tips	
15cm/6"	MCV239-15
20cm/8"	MCV240-20
24cm/9½"	MCV241-24
30cm/12"	MCV242-30



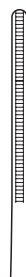
Titanium DeBakey Atraumatic Tissue Forceps



1.5mm Tips	
15cm/6"	MCV243-15T
20cm/8"	MCV244-20T
24cm/9½"	MCV245-24T



2mm Tips	
15cm/6"	MCV246-15T
20cm/8"	MCV247-20T
24cm/9½"	MCV248-24T



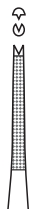
2.8mm Tips	
15cm/6"	MCV249-15T
20cm/8"	MCV250-20T
24cm/9½"	MCV251-24T



Gillies Dissecting Forceps

- 15cm/6" length
- Toothed

MCV252-15



McIndoes Dissecting Forceps

- 15cm/6" length
- Non-Toothed

MCV253-15



Titanium Cushing Dissecting Forceps

- 18cm/7" length
- Serrated 1mm Tips

MCV254-18T



Adson Bayonet Dissecting Forceps

- 19cm/7½" length
- Flat Handled

MCV255-19 Serrated tip

MCV256-19 Toothed



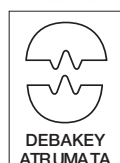
VASCULAR FORCEPS

Gerald-DeBakey Forceps

- Flat Handled
- 1.2mm DeBakey Tips

17.5cm/6³/₄" **MCV257-17**

21cm/8¹/₄" **MCV258-21**



Titanium Gerald-DeBakey Forceps

- Flat Handled
- 1.2mm DeBakey Tips

17.5cm/6³/₄" **MCV259-17T**

21cm/8¹/₄" **MCV260-21T**



Gerald Tissue Forceps

- Flat Handled
- Tungsten Carbide Tips
- 1.2mm Tips

17.5cm/6³/₄" **MCV261-17**



Gerald Plain Forceps

- Flat Handled
- Diamond Dusted Tips
- 1mm Tips

17.5cm/6³/₄" **MCV262-17**



Gerald Platform Forceps

- Flat Handled
- Tying platform 6 x 1mm
- Diamond Dusted Tips

17.5cm/6³/₄"

MCV263-17

21cm/8¹/₄"

MCV264-21


Titanium Gerald Platform Forceps

- Flat Handled
- Tying platform 6 x 1mm
- Diamond Dusted Tips

17.5cm/6³/₄"

MCV265-17T

21cm/8¹/₄"

MCV266-21T


Gerald Micro Ring Tip Forceps

- Flat Handled
- 1mm Diamond Dusted Rings

17.5cm/6³/₄"

MCV267-17

21cm/8¹/₄"

MCV268-21


Titanium Gerald Micro Ring Tip Forceps

- Flat Handled
- 1mm Diamond Dusted Rings

17.5cm/6³/₄"

MCV269-17T

21cm/8¹/₄"

MCV270-21T


ROUND BODIED MICRO FORCEPS

Micro Platform Forceps

- Diamond Dusted Tips



18cm/7" **MCV271-18**

21cm/8¹/₄" **MCV272-21**



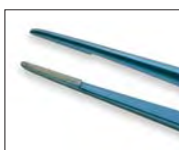
Titanium Micro Platform Forceps

- Diamond Dusted Tips



18cm/7" **MCV273-18T**

21cm/8¹/₄" **MCV274-21T**



Micro Platform Forceps with Counter Balance

- Diamond Dusted Tips



18cm/7" **MCV275-18**

21cm/8¹/₄" **MCV276-21**



Titanium Micro Platform Forceps with Counter Balance

- Diamond Dusted Tips



18cm/7" **MCV277-18T**

21cm/8¹/₄" **MCV278-21T**



Micro Ring Tip Forceps

- Diamond Dusted 1mm Ring



18cm/7" **MCV279-18**

21cm/8¹/₄" **MCV280-21**



Titanium Micro Ring Tip Forceps

- Diamond Dusted 1mm Ring



18cm/7" **MCV281-18T**

21cm/8¹/₄" **MCV282-21T**



Micro Ring Tip Forceps with Counter Balance

- Diamond Dusted 1mm Ring



18cm/7" **MCV283-18**

21cm/8¹/₄" **MCV284-21**



Titanium Micro Ring Tip Forceps with Counter Balance

- Diamond Dusted 1mm Ring



18cm/7" **MCV285-18T**

21cm/8¹/₄" **MCV286-21T**



ROUND BODIED MICRO FORCEPS

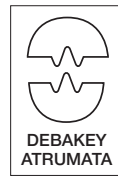
DeBakey Micro Forceps

- Round Bodied
- 1mm DeBakey Tips



18cm/7" **MCV287-18**

21cm/8¹/₄ **MCV288-21**



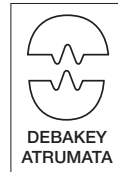
Titanium DeBakey Micro Forceps

- Round Bodied
- 1mm DeBakey Tips



18cm/7" **MCV289-18T**

21cm/8¹/₄ **MCV290-21T**



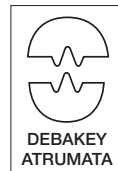
DeBakey Micro Forceps

- Round Bodied
- 1mm DeBakey Tips
- With Counterbalance



18cm/7" **MCV291-18**

21cm/8¹/₄ **MCV292-21**



Bayonet Micro Forceps

- Round Bodied
- Blunt 1mm Tips



21cm/8¹/₄" **MCV293-21**

23cm/9" **MCV294-23**

Yasargil Bayonet Micro Forceps

- Flat Handed
- Blunt 1mm Tips



22.5cm/8¹/₄" **MCV295-22**

24cm/9¹/₂" **MCV296-24**

Yasargil Bayonet Tumor Grasping Forceps

- Flat Handed
- 22.5cm/8¹/₄" length



Plain Ring

3mm Ø **MCV297-22**

5mm Ø **MCV298-22**



Serrated Ring

3mm Ø **MCV299-22**

5mm Ø **MCV300-22**



Toothed Ring

3mm Ø **MCV301-22**

5mm Ø **MCV302-22**

BIPOLAR FORCEPS

Bayonet Micro Forceps

- Round Bodied
- Blunt 1mm Tips



21cm/8¹/₄" **MCV303-21**

23cm/9" **MCV304-23**

Yasargil Bayonet Micro Forceps

- Flat Handled
- Blunt 1mm Tips



22.5cm/8¹/₄" **MCV305-22**

24cm/9¹/₂" **MCV306-24**

Yasargil Bayonet Tumor Grasping Forceps

- Flat Handled
- 22.5cm/8¹/₄" length



Plain Ring

3mm Ø **MCV307-22**

5mm Ø **MCV308-22**



Serrated Ring

3mm Ø **MCV309-22**

5mm Ø **MCV310-22**



Toothed Ring

3mm Ø **MCV311-22**

5mm Ø **MCV312-22**



Bayonet Bipolar Forceps

- 19cm/7¹/₂" length



Tip Size

0.7mm	MCV313-83
1mm	MCV314-81
2mm	MCV315-82

Bayonet Bipolar Forceps

- 22.5cm/8³/₄" length



Tip Size

0.3mm	MCV316-90
0.7mm	MCV317-91
1.2mm	MCV318-92

Bayonet Bipolar Forceps

- 24cm/9¹/₂" length



Tip Size

0.3mm	MCV319-90
0.7mm	MCV320-91
1.2mm	MCV321-92

MCV322-35L



- Fitting Block End Forceps
- Banana Plug Vallylab Machine Fitting
- 4.5 metre length

MCV323-38L



- Fitting Block End Forceps
- Erbe BM780 Machine Fitting
- 4.5 metre length

BIPOLAR FORCEPS

Bayonet Bipolar Coagulation Forceps

- 22.5cm/8³/₄" length
- Non-Stick Tips
- Mallis 2 Pin Fitting



Tip Size

0.5mm	MCV324-AU
0.7mm	MCV325-AUS/0.7
1.0mm	MCV326-AU
1.3mm	MCV327-AUS
1.5mm	MCV328-AU
2.0mm	MCV329-AUS

MCV330-BP • Fitting Mallis Forceps • Banana Plug Fitting



Iris Scissors

- 11.5cm/4½" Straight
- Micro Serrated Cutting Edge

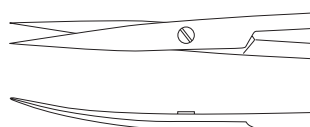
MCV331-11



Iris Scissors

- 11.5cm/4½" Curved
- Micro Serrated Cutting Edge

MCV332-11



Strabismus Scissors

- 11.5cm/4½" Straight
- Micro Serrated Cutting Edge

MCV333-11



Strabismus Scissors

- 11.5cm/4½" Curved
- Micro Serrated Cutting Edge

MCV334-11

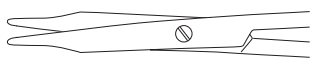


SCISSORS

Stevens Tenotomy Scissors

- 11.5cm/4½" Curved
- Micro Serrated Cutting Edge

MCV335-11



Stevens-Stille Pattern Tenotomy Scissors

- 12.5cm/5" Curved
- Micro Serrated Cutting Edge
- Larger Oversized Rings

MCV336-12



Jameson-Werber Scissors

- 13.5cm/5¼" Curved
- Micro Serrated Cutting Edge

MCV337-13



Jameson Scissors

- 15cm/6" Curved
- Micro Serrated Cutting Edge

MCV338-15



Jameson Scissors

- 15cm/6" Curved
- **Strong pattern**
- Micro Serrated Cutting Edge

MCV339-15



Slim Baby Metzenbaum Easy-Cut Scissors

- 14cm/5½" Curved
- Micro Serrated Cutting Edge

MCV340-14



Slim Metzenbaum Easy-Cut Scissors

- 18cm/7" Curved
- Micro Serrated Cutting Edge

MCV341-18



Baby Metzenbaum Easy-Cut Scissors

- 14cm/5½" Curved
- Micro Serrated Cutting Edge

MCV342-14



McIndoe / Metzenbaum Easy-Cut Scissors

- 18cm/7" Curved
- Micro Serrated Cutting Edge

MCV343-18



Nelson Metzenbaum Easy-Cut Scissors

- 23cm/9" Curved
- Micro Serrated Cutting Edge

MCV344-23



SCISSORS

Mayo Easy-Cut Scissors

- 14cm/5½" Straight
- Micro Serrated Cutting Edge

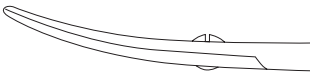
MCV345-14



Mayo Easy-Cut Scissors

- 14cm/5½" Curved
- Micro Serrated Cutting Edge

MCV346-14



Mayo Easy-Cut Scissors

- 17cm/6¾" Straight
- Micro Serrated Cutting Edge

MCV347-17



Mayo Easy-Cut Scissors

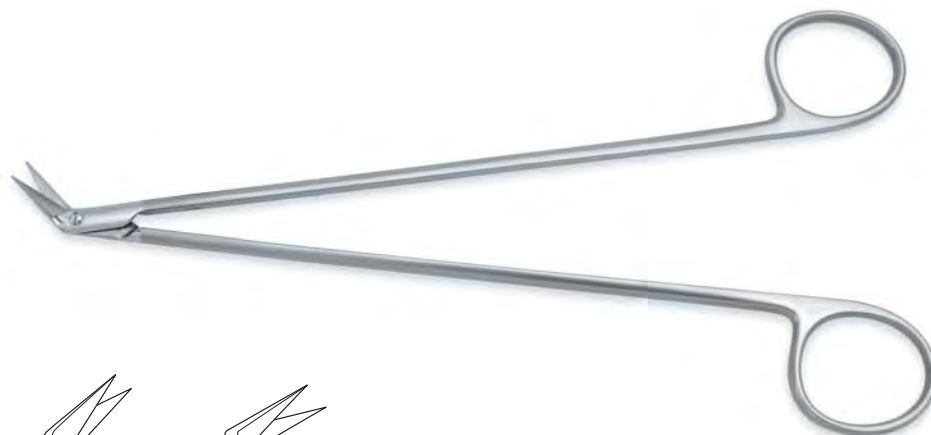
- 17cm/6¾" Curved
- Micro Serrated Cutting Edge

MCV348-17



Diethrich Coronary Scissors - **Standard Pattern**

- 18cm/7" length
- Needle Fine Tips
- Polished Fine Blades
- 12mm Blade length



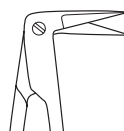
25° angled
MCV349-18



45° angled
MCV350-18



60° angled
MCV351-18



90° angled
MCV352-18



125° angled
MCV353-18

Diethrich Coronary Scissors - **Short Fine Blade**

- 18cm/7" length
- Needle Fine Tips
- Precise Polished Blades
- 8mm Blade length



25° angled
MCV354-18S



45° angled
MCV355-18S



60° angled
MCV356-18S



90° angled
MCV357-18S

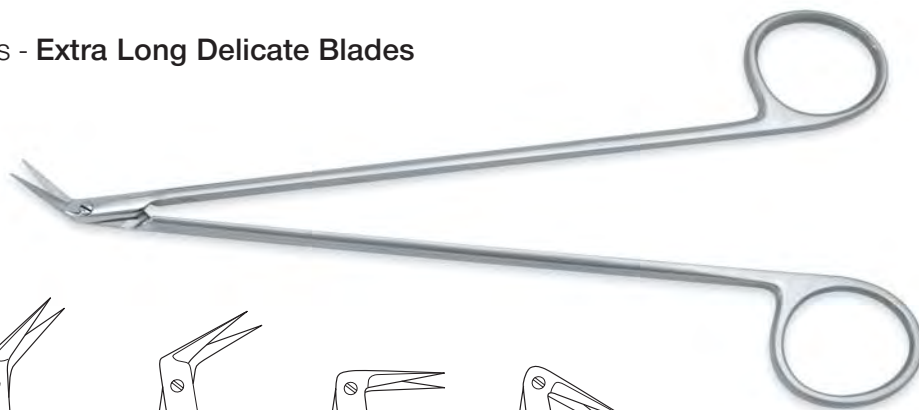


125° angled
MCV358-18S

DIETHRICH SCISSORS

Diethrich Coronary Scissors - **Extra Long Delicate Blades**

- 18cm/7" length
- Needle Fine Tips
- Precise Polished Blades
- 15mm Blade length



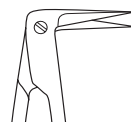
25° angled
MCV359-18L



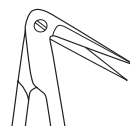
45° angled
MCV360-18L



60° angled
MCV361-18L



90° angled
MCV362-18L



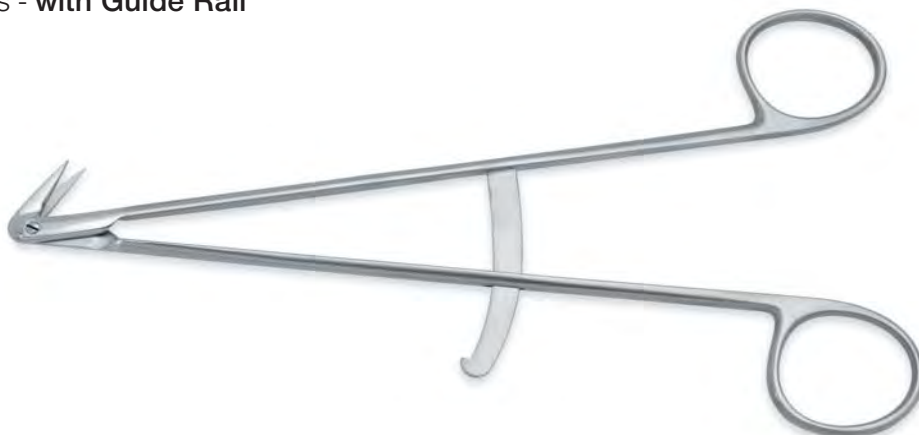
125° angled
MCV363-18L

Diethrich Coronary Scissors - **with Guide Rail**

- 18cm/7" length
- 12mm Blade length

125° angled blades

MCV364-18G



Favaloro Coronary Scissors

- 17cm/6³/₄" length
- 12mm Blade length

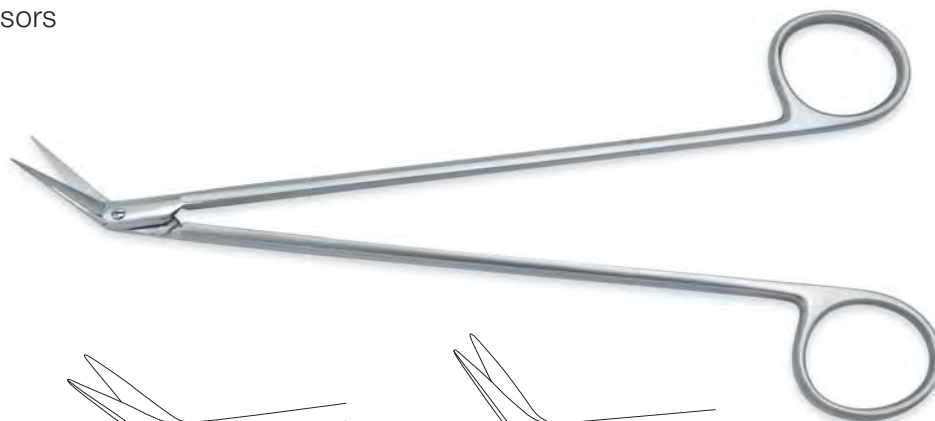
125° angled blades

MCV365-18

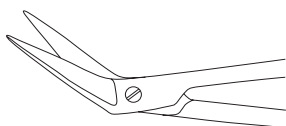


Potts-Smith Vascular Scissors

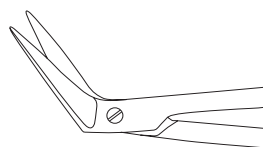
- 19cm/7¹/₂" length
- Blades angled to side



25° angled

MCV366-19


45° angled

MCV367-19


60° angled

MCV368-19

Jacobson Bayonet Micro Scissors

- Flat Handled
- 18cm/7" length



Straight

MCV369-18

Curved

MCV370-18

Yasargil Bayonet Micro Scissors

- Flat Handled
- 22.5cm/8³/₄" length



Standard Blade



Straight

MCV371-22


Curved

MCV372-22

Vannas Blade



Straight

MCV373-22


Curved

MCV374-22

MICRO CORONARY SCISSORS

Castroviejo Micro Scissors

- Flat Handled
- 9cm/3" length
- 45° Angled Blades
- 14mm Blade length

MCV375-90



Castroviejo Micro Scissors

- Round Handled
- 11cm/4 1/2" length
- 45° Angled Blades
- 14mm Blade length

MCV376-11



Micro Coronary Scissors - Standard 10mm Blades

- Round Handled - **Short length**
- 14cm/5 1/2" length
- Blades angled to side



25° angled

MCV377-14



45° angled

MCV378-14



60° angled

MCV379-14



90° angled

MCV380-14



125° angled

MCV381-14

Micro Coronary Scissors - **Standard 10mm Blades**

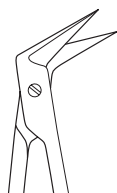
- Round Handled
- 18cm/7" length
- Blades angled to side



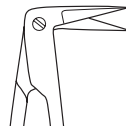
25° angled
MCV382-18



45° angled
MCV383-18



60° angled
MCV384-18



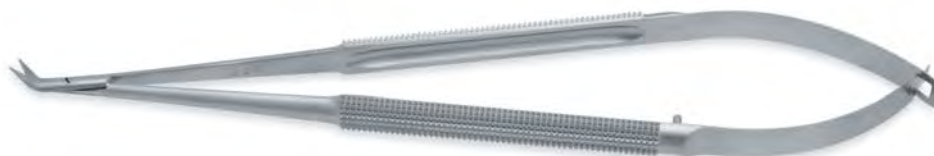
90° angled
MCV385-18



125° angled
MCV386-18

Micro Coronary Scissors - **Short Fine 8mm Blades**

- Round Handled
- 18cm/7" length
- Blades angled to side



25° angled
MCV387-18



45° angled
MCV388-18



60° angled
MCV389-18



90° angled
MCV400-18



125° angled
MCV401-18

MICRO CORONARY SCISSORS

Micro Coronary Scissors - **Standard 10mm Blades**

- Flat Handled
- 18cm/7" length
- Blades angled to side



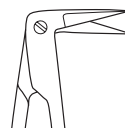
25° angled
MCV402-18



45° angled
MCV403-18



60° angled
MCV404-18



90° angled
MCV405-18



125° angled
MCV406-18

Micro Coronary Scissors - **Short Fine 8mm Blades**

- Flat Handled
- 18cm/7" length
- Blades angled to side



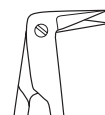
25° angled
MCV407-18



45° angled
MCV408-18



60° angled
MCV409-18



90° angled
MCV410-18



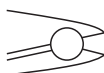
125° angled
MCV411-18

Straight Micro Scissors

- Flat Handled
 - 15cm/6" length
 - Blades 19mm long
- MCV412-15**



Adventitia Scissors with pointed tips



MCV413-15

Available with Micro Serrations for nerve cutting - **Straight**

Curved Micro Scissors

- Flat Handled
 - 15cm/6" length
 - Blades 19mm long
- MCV414-15**



Dissecting Scissors with rounded tips



MCV415-15

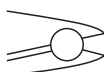
Available with Micro Serrations for nerve cutting - **Curved**

Straight Micro Scissors

- Flat Handled
 - 15cm/6" length
 - Blades 15mm long
- MCV416-15**



Adventitia Scissors with pointed tips



Curved Micro Scissors

- Flat Handled
 - 15cm/6" length
 - Blades 15mm long
- MCV417-15**



Dissecting Scissors with rounded tips



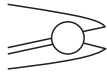
MICRO SCISSORS

Straight Micro Scissors

- Round Handled
 - 15cm/6" length
 - Blades 12mm long
- MCV418-15R8**



Adventitia Scissors with pointed tips

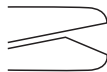


Curved Micro Scissors

- Round Handled
 - 15cm/6" length
 - Blades 12mm long
- MCV419-15R8**



Dissecting Scissors with rounded tips

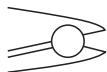


Straight Micro Scissors

- Round Handled
 - 18cm/7" length
 - Blades 14mm long
- MCV420-18R8**



Adventitia Scissors with pointed tips



Curved Micro Scissors

- Round Handled
 - 18cm/7" length
 - Blades 14mm long
- MCV421-18R8**



Dissecting Scissors with rounded tips



Titanium Neonates Sternal Spreader

- Including 2 pairs of Interchangeable Blades
- 52mm spread, 40mm arm length

MCV422-14



Fenestrated
Blades x2
10mm width
15mm depth



Solid
Blades x2
20mm width
15mm depth



Morse-Favaloro Sternal Spreader

- Double Swivel Blades

Code	Arm length	Blade depth	Size
MCV423-12	55mm	12mm	Infant
MCV424-13	70mm	13mm	Infant
MCV425-14	80mm	14mm	Paediatric
MCV426-15	95mm	15mm	Paediatric
MCV427-16	110mm	19mm	Adolescent
MCV428-19	130mm	19mm	Adolescent
MCV429-21	145mm	21mm	Adolescent



Waterston Rib Spreader

- Infant size

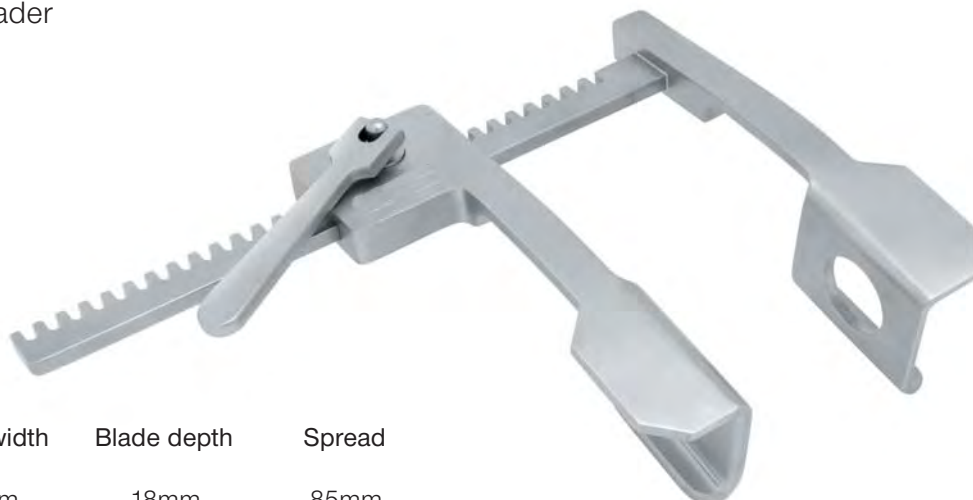
MCV430-20



Arm length	Blade width	Blade depth
195mm	40mm	20mm

RIB SPREADERS

Finochietto Rib Spreader



Code	Blade width	Blade depth	Spread
MCV431-18	21mm	18mm	85mm
MCV432-36	45mm	36mm	150mm
MCV433-44	65mm	44mm	225mm
MCV434-50	60mm	50mm	225mm
MCV435-65	65mm	65mm	225mm

Sellors Rib Spreader

MCV436-00

Supplied with set of 3 sizes of Blades and Key

Small Blade	38mm Depth
Medium Blade	45mm Depth
Large Blade	65mm Depth

- Max spread 225mm



38mm Depth
Small Blade



45mm Depth
Medium Blade



65mm Depth
Large Blade



Key

Tuffier Rib Spreader

MCV437-50

Blade width	Blade depth
45mm	50mm



Tudor Edwards Modified Tuffier Rib Spreader

- Complete with key

MCV438-35

Blade width	Blade depth
25mm	35mm



Tudor Edwards Rib Spreader

MCV439-00

Supplied with set of 3 sizes of Blades and Key

Small Blade	25mm Depth
Medium Blade	50mm Depth
Large Blade	75mmDepth



25mm Depth
Small Blade



50mm Depth
Medium Blade



75mm Depth
Large Blade



Key

RIB SPREADERS

Ronald Edwards Rib Spreader

- Curved arms, fenestrated Blades



Code		Blade width	Blade depth	Spread
MCV440-50	Medium	30mm	50mm	135mm
MCV441-75	Large	65mm	75mm	205mm

Papworth Rib Spreader

- 225mm spread

MCV442-25



Blade width	Blade depth
65mm	25mm

Sellors Rib Approximator and Spreader Combined

- 20cm/8" length

MCV443-00



IMA Rib Retractor

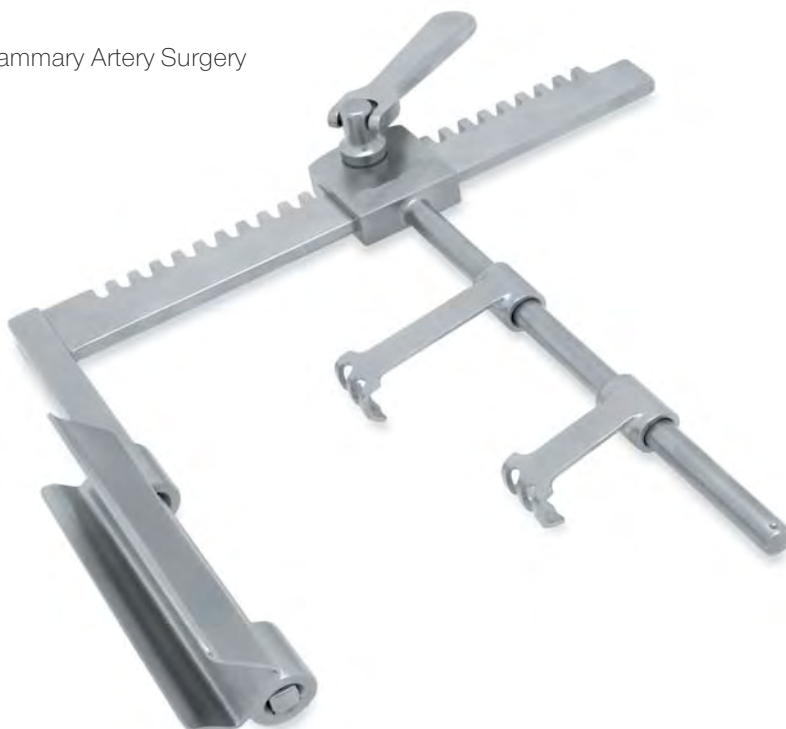
- Complete Set for Internal Mammary Artery Surgery
- Converts left or right side

Complete set includes:

- Frame
- Channelled Blade 100mm
- Claw Blade short 28mm

- Claw Blade long 32mm

MCV444-00



Channeled Blade

- 100mm long x 20mm wide



Claw Blades



Lengths

- 28mm *
- 32mm *
- 38mm
- 43mm
- 50mm

* included in Set

RIB SPREADERS

Cooley Cosgrove Mitral Valve Retractor



MCV445-00 Complete Set

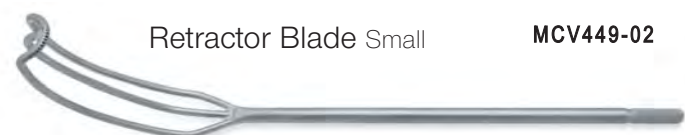
Consisting of:

- 1x Cooley Rib Spreader Adult Blades 40mm x 110mm with Cosgrove Mounting Bars
- 1x Main Bracket Attachment
- 3x Universal Clamps
- 1x Side Arm Bar
- 1x Tricuspid Retractor Blade
- 1x Large Retractor Blade
- 3x Small Retractor Blades



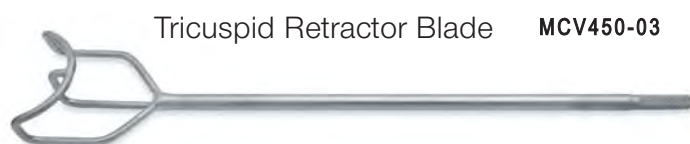
Retractor Blade Large

MCV448-01



Retractor Blade Small

MCV449-02



Tricuspid Retractor Blade

MCV450-03

Universal Clamp

MCV446-06



Main Bracket Attachment

MCV447-05



Side Arm Bar

MCV451-04

Abdominal Ring Retractor System



MCV452-00 Complete Set

Consisting of:

- 1x Table Post
- 1x Horizontal Bar
- 1x Horizontal Flexible Bar
- 1x Post Coupling
- 1x Medium Oval Ring
- 1x Segmented Oval Ring
- 2x Ratchet Mechanisms
- 6x Tilt Ratchet Mechanisms
- 3x Malleable Retractor Blades
- 4x Kelly Retractor Blades
- 1x Balfour Retractor Blade
- 1x Harrington Retractor Blade

Components:

Table Post

MCV453-00



Horizontal Bar

MCV454-00



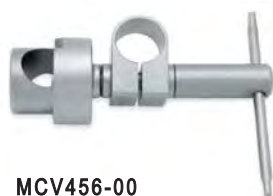
Horizontal Flexible Bar

MCV455-00



Post Coupling

MCV456-00



Ratchet Mechanism

MCV457-00



Tilt Ratchet Mechanism

MCV458-00



ABDOMINAL RING RETRACTOR

Medium Oval Ring

MCV459-00



Segmented Oval Ring

MCV460-00



Malleable Retractor Blades

Code	Blade Size	
	width	depth
MCV461-01	38mm	152mm
MCV462-02	51mm	152mm
MCV463-03	76mm	152mm



Kelly Retractor Blades

Code	Blade Size	
	width	depth
MCV464-01	51mm	76mm
MCV465-02	51mm	102mm
MCV466-03	51mm	127mm
MCV467-04	51mm	154mm



Balfour Retractor Blade

Code	Blade Size	
	width	depth
MCV468-01	67mm	76mm



Harrington Retractor Blade

Code	Blade Size	
	width	depth
MCV469-01	63mm	143mm



Jacobson Micro Vessel Probe

- 18.5cm/7¹/₄"
- Probe with ball tip

MCV470-18



Krayenbühl Nerve and Vessel Hook

- 18.5cm/7¹/₄"



MCV471-18



MCV472-18



MCV473-18



MCV474-18



Adson Dural Hook

- 19cm/7¹/₂"
- 2mm tip length
- Sharp

MCV475-19

Blunt

MCV476-19



Cushing Blunt Hook

- 19cm/7¹/₂"
- 3mm tip length

MCV477-19



Crile Blunt Hook

- 20cm/8"
- 7mm tip length

MCV478-20



Adson Hook

- 20cm/8"
- 5mm tip length
- Sharp

MCV479-20

Blunt

MCV480-20



Blalock Blunt Hook

- 24cm/9¹/₂"
- 5mm tip length

MCV481-24



RETRACTORS & HOOKS

Gillies Skin Hook

- 18cm/7"

MCV482-01 Small size

MCV483-02 Large size



Klienert-Kutz Skin Hook

- 16cm/6¹/₄"

MCV484-01



Ragnell-Davies Retractor

- 14cm/5¹/₂"

MCV485-14



Mini-Langenbeck Retractor

- 16cm/6¹/₄"

MCV486-10 10 x 6mm *illustrated

MCV487-17 17 x 5mm



Desmarres Saddle Retractor

- 16cm/6¹/₄"

- 12mm width

MCV488-12



Senn-Miller Double Ended Catspaw Retractor

- 16cm/6¹/₄"

MCV489-01 Sharp prongs

MCV490-02 Blunt prongs



Kilner-Miniature Pattern Catspaw Retractor

- 15cm/6"

MCV491-01



Langenbeck Retractor

- 21.5cm/8¹/₂"



Code	Blade Size	
	depth	width
MCV492-21	22mm x 6mm	Small
MCV493-21	45mm x 13mm	Medium
MCV494-21	65mm x 25mm	Large
MCV495-21	90mm x 20mm	X-large

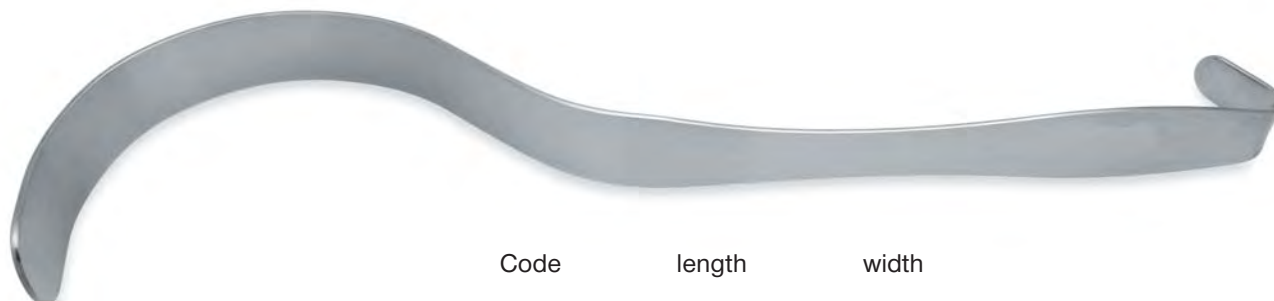
Morris Retractor

- 25cm/9³/₄"



Code	Blade Size	
	depth	width
MCV496-40	50mm x 40mm	
MCV497-50	50mm x 50mm	
MCV498-65	50mm x 65mm	
MCV499-40	70mm x 40mm	
MCV500-50	70mm x 50mm	
MCV501-65	70mm x 65mm	

Deavers Abdominal Retractor



Code	length	width
MCV502-25	300mm	25mm
MCV503-30	350mm	25mm
MCV504-38	300mm	38mm
MCV505-50	300mm	50mm
MCV506-75	300mm	75mm

RETRACTORS

Tudor Edwards Scapula Retractor

- 20cm/8"
- Toothed blade 50mm x 45mm

MCV507-20



Brompton Erector Spinae Retractor

- Hollow handle
- 20cm/8"
- 2 Prong blades

MCV508-20



Brock Erector Spinae Retractor

- Hollow handle
- 20cm/8"

MCV509-20



Allison Lung Retractor



Code		length
MCV510-28	Infant	28cm
MCV511-28	Child	28cm
MCV512-30	Adult	30cm

Ross Aortic Retractor

- 26cm/10½"



Code	width	Code	width
MCV513-10	No.1	MCV516-40	No.4
MCV514-20	No.2	MCV517-50	No.5
MCV515-30	No.3	MCV518-60	No.6

Baby Weitlaner S/R Retractor

- 2 x 3 Blunt Prongs
- 11.5cm/4½"

MCV519-10



West's S/R Retractor

- 3 x 4 Sharp Prongs
- 14cm/5½"

MCV520-14



Travers S/R Retractor

- 4 x 5 Blunt Prongs
- 20cm/8"

MCV521-20



Norfolk and Norwich S/R Retractor

- 4 x 5 Blunt Prongs
- 20cm/8"

MCV522-20



RIB RASPATORY

Doyen Periosteal Elevator - Right

MCV523-15 Child - 15cm length

MCV524-16 Adult - 16.5cm length



Doyen Periosteal Elevator - Left

MCV525-15 Child - 15cm length

MCV526-16 Adult - 16.5cm length



Price Thomas Rib Raspatory

MCV527-12 12mm width

MCV528-20 20mm width



Semb Rib Raspatory



No.1
short shaft,
notched
end for rib
edge,
200mm

MCV529-20



No.2
long shaft,
notched
end for rib
edge,
235mm

MCV530-23



No.3
short shaft,
straight
end,
190mm

MCV531-19



No.4
long shaft,
straight
end,
250mm

MCV532-25



No.5
short shaft,
oval blade,
220mm

MCV533-22



No.6
short shaft,
angled oval
end for back
of first rib,
195mm

MCV534-19



No.7
long shaft,
for edge of
first rib,
250mm

MCV535-25



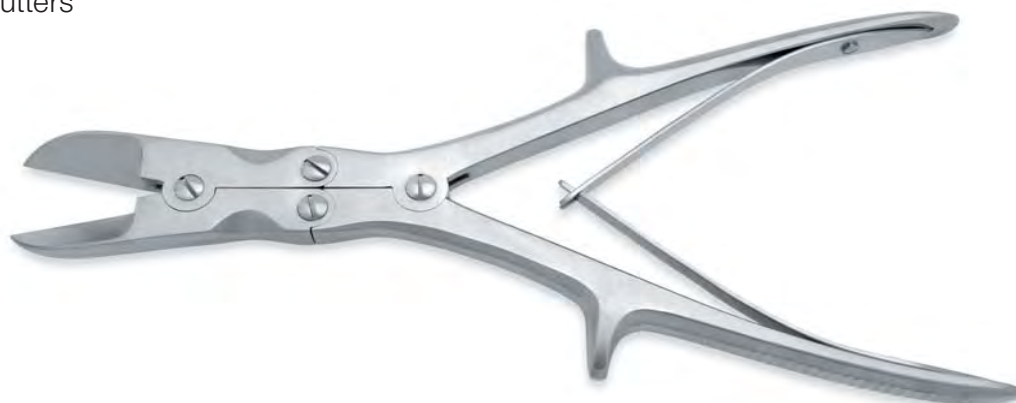
No.8
chisel end for
disarticulation
of costo
vertebral joint,
200mm

MCV536-20

Stille-Liston Bone Cutters

- Double Action
- Straight
- 27cm/10³/₄"

MCV537-27



Liston-Key-Horsley Bone Cutters

- Double Action
- Angled
- 27cm/10³/₄"

MCV538-27



Tudor Edwards/Vehmehren Costotome

- 24cm/9¹/₂"
- For Cutting Ribs

MCV539-24



WIRE CUTTERS

Muller Claus Wire Cutters

- 16cm/6"
 - Tungsten Carbide Edges
 - Cuts wire up to 16mm Ø
- MCV540-16**



Muller Claus Wire Cutters

- Tungsten Carbide Edges
 - 18cm/7" length (*illustrated)
 - Cuts wire up to 2mm Ø
- MCV541-18**



- 22cm/8³/₄" length
 - Cuts wire up to 3mm Ø
- MCV542-22**

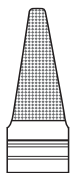
End Wire Cutters

- 18cm/7" length
 - Tungsten Carbide Edges
 - Cuts wire up to 17mm Ø
- MCV543-18**

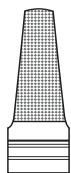


Muller Claus Wire Pullers

- 18cm/7" length



2mm Jaws
MCV544-18



4mm Jaws
MCV545-18



6mm Jaws
MCV546-18



MacDonalds Dissector

- 19cm/7½"

MCV547-19



Watson Cheyne Dissector

MCV548-12 12.5cm/5"

MCV549-18 18cm/7"



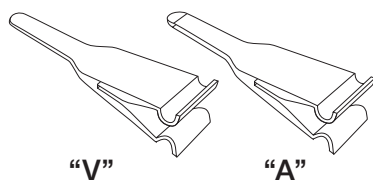
Freer Dissector

- 19cm/7½"

MCV550-18



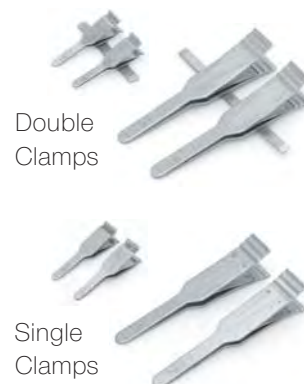
MICRO CLAMPS



“A” or “V” Pattern?

Throughout the series, the “V” pattern is the all-purpose clamp, commonly used on all veins, and almost all arteries. The “A” pattern, available in all sizes, is designed for exceptionally thick-walled vessels and slippery arteries. The slight incurve of the tips of the “A” pattern jaw provides extra security against slippage.

- Light and compact design
- Extremely durable
- A unique gripping surface
- Smooth sliding bar action on all approximator clamps
- Clamp profile with parallel sided jaws
- Matt or black finish



Ordering details

SINGLE CLAMPS

MCV551-396 V
MCV552-397 A



CLAMP SIZE
B-1
0.4 - 1.0mm

MCV553-398 V
MCV554-399 A



B-2
0.6 - 1.5mm

MCV555-400 V
MCV556-401 A



B-3
1.0 - 2.25mm

MCV557-325



HD-S
1.5 - 3.5mm

MCV558-286



RD-S
2.0 - 5.0mm

DOUBLE APPROXIMATING CLAMPS

MCV559-414 V
MCV560-415 A



CLAMP SIZE
ABB - 11
0.4 - 1.0mm

MCV561-416 V
MCV562-417 A



ABB - 22
0.6 - 1.5mm

MCV563-418 V
MCV564-419 A

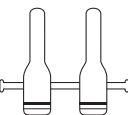
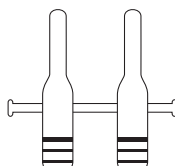


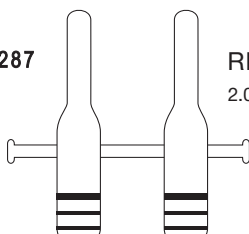
ABB - 33
1.0 - 2.25mm

MCV565-326



HD-D
1.5 - 3.5mm

MCV566-287



RD-D
2.0 - 5.0mm

DOUBLE CLAMPS WITH FRAME

MCV567-408 V
MCV568-409 A



CLAMP SIZE
ABB-1
0.4 - 1.0mm

MCV569-410 V
MCV570-411 A



ABB-2
0.6 - 1.5mm

MCV571-412 V
MCV572-413 A

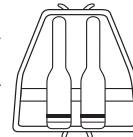
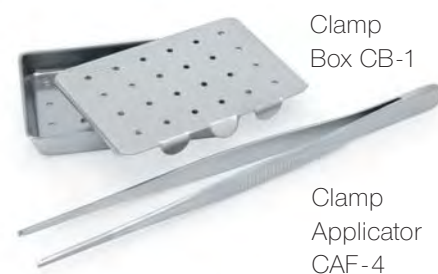


ABB-3
1.0 - 2.25mm



Clamp
Box CB-1

Clamp
Applicator
CAF-4





Diethrich Mini Bulldog Clamps

- Straight
- Weight 3gr
- Closing pressure 80gr



Overall length
Jaw length
Code

50mm
8mm
MCV573-50

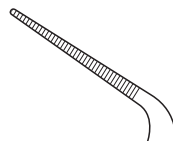
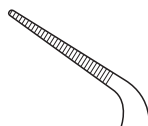
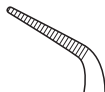
55mm
12mm
MCV574-55

60mm
16mm
MCV575-60

65mm
20mm
MCV576-65

Diethrich Mini Bulldog Clamps

- Angled
- Weight 3gr
- Closing pressure 80gr



Overall length
Jaw length
Code

43mm
8mm
MCV577-43

45mm
12mm
MCV578-45

50mm
16mm
MCV579-50

55mm
20mm
MCV580-55

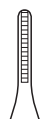
BULLDOG CLAMPS

DeBakey-Diethrich Mini Bulldog Clamps

- Straight
- Weight 3gr
- Closing pressure 180gr

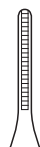


Overall length
Jaw length
Code



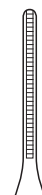
47mm
10mm

MCV581-47



51mm
14mm

MCV582-51



57mm
20mm

MCV583-57

DeBakey-Diethrich Mini Bulldog Clamps

- Angled
- Weight 3gr
- Closing pressure 180gr

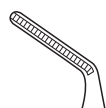


Overall length
Jaw length
Code



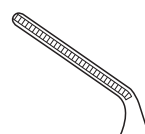
44mm
10mm

MCV584-44



46mm
14mm

MCV585-46



49mm
20mm





MCV586-49

Low Closing Pressure for Veins 110gr marked with V
High Closing Pressure for Arteries 220gr marked with A

Titanium Mini Glover Bulldog Clamps

- Straight
- Weight 0.8gr




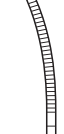


				
Overall length	30mm	35mm	40mm	50mm
Jaw length	11mm	15mm	17mm	24mm
Vein	MCV587-30T	MCV588-35T	MCV589-40T	MCV590-50T
Low Closing Pressure				
Arterial	MCV591-30T	MCV592-35T	MCV593-40T	MCV594-50T
High Closing Pressure				

Titanium Mini Glover Bulldog Clamps

- Curved
- Weight 0.8gr


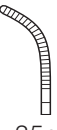
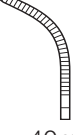
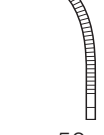


				
Overall length	30mm	35mm	40mm	50mm
Jaw length	11mm	15mm	17mm	24mm
Vein	MCV595-30T	MCV596-35T	MCV597-40T	MCV598-50T
Low Closing Pressure				
Arterial	MCV599-30T	MCV600-35T	MCV601-40T	MCV602-50T
High Closing Pressure				

Titanium Mini Glover Bulldog Clamps

- Strongly Curved
- Weight 0.8gr



				
Overall length	30mm	35mm	40mm	50mm
Jaw length	11mm	15mm	17mm	24mm
Vein	MCV603-30T	MCV604-35T	MCV605-40T	MCV606-50T
Low Closing Pressure				
Arterial	MCV607-30T	MCV608-35T	MCV609-40T	MCV610-50T
High Closing Pressure				

BULLDOG CLAMPS

Glover Bulldog Clamps

- Straight
- Closing Pressure adjustable



Overall length
Jaw length

Code

50mm
20mm

MCV611-50

68mm
30mm

MCV612-68

85mm
43mm

MCV613-85

105mm
56mm

MCV614-05

Glover Bulldog Clamps

- Curved
- Closing Pressure adjustable



Overall length
Jaw length

Code

46mm
20mm

MCV615-50

64mm
30mm

MCV616-68

78mm
43mm

MCV617-85

100mm
56mm

MCV618-05

Mini-Glover Bulldog Clamps

- Weight 12g



Overall length
Jaw length

Code

35mm
14mm

MCV619-35

35mm
14mm

MCV620-35

35mm
14mm

MCV621-35

35mm
14mm

MCV622-35

Glover Bulldog Clamps

- Angled
- 55mm length Jaws

MCV623-55



DeBakey-Satinsky Bulldog Clamps

- Curved
- 55mm length Jaws

MCV624-55



DeBakey Carotid Bulldog Clamps

- Curved
- 90mm length Jaws

MCV625-90



DeBakey-Satinsky Bulldog Clamps



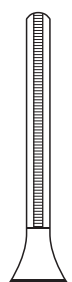
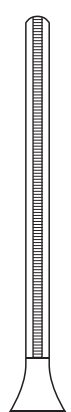
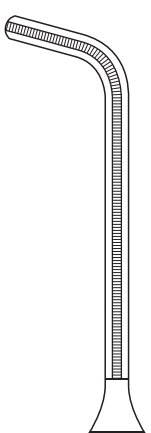
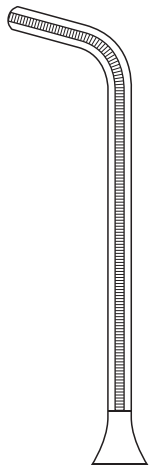
- Curved
- 100mm length Jaws

MCV626-10





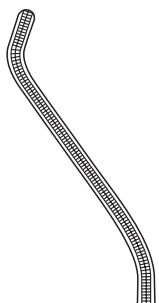
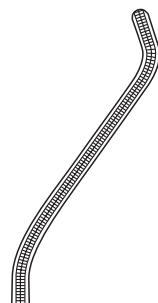
BULLDOG CLAMPS

Gregory 'Soft' Carotid Bulldog Clamps

					
					
	Overall length	90mm	110mm	105mm	110mm
	Jaw length	27mm	44mm	55mm	60mm
	Code	MCV627-90	MCV628-11	MCV629-10	MCV630-11

Modified Gregory 'Soft' Bulldog Clamps

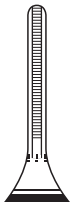
- Curved
- Weight 12g

● Weight 12g					
					
	Overall length	110mm	110mm		
	Jaw length	60mm	60mm		
	Code	MCV631-11	MCV632-11		
	curved to left	curved to right			



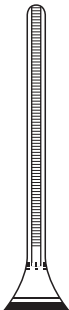
DeBakey Bulldog Clamps

- Straight

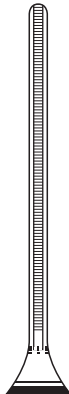


Overall length
Jaw length
Code

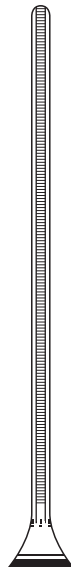
80mm
20mm
MCV633-08



90mm
30mm
MCV634-09



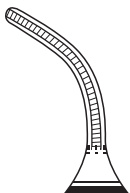
105mm
45mm
MCV635-10



125mm
68mm
MCV636-12

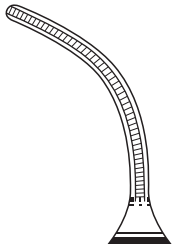
DeBakey Bulldog Clamps

- Curved

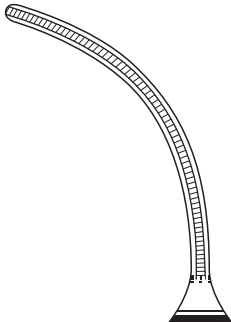


Overall length
Jaw length
Code

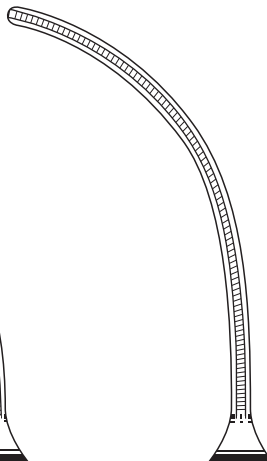
75mm
20mm
MCV637-08



85mm
30mm
MCV638-09



95mm
45mm
MCV639-10



115mm
68mm
MCV640-12



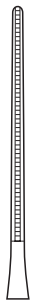
VASCULAR CLAMPS

DeBaKey Castaneda Paediatric Clamp

- Curved shanks
- Suitable for Paediatric and delicate surgery
- 12cm/5" length

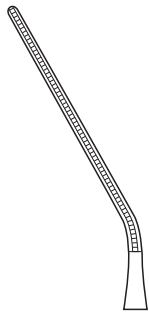


* illustrated



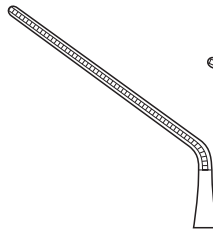
MCV641-12

Straight



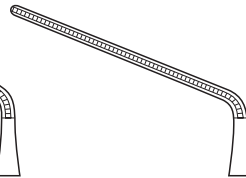
MCV642-12

Angled 25°



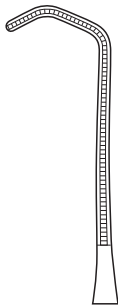
MCV643-12

Angled 45°



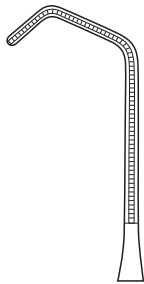
MCV644-12

Angled 60°



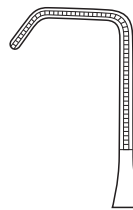
MCV645-12

Anastomosis



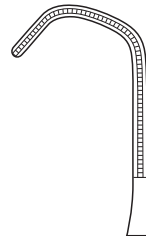
MCV646-12

Anastomosis



MCV647-12

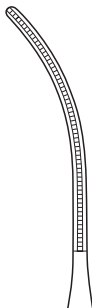
omosis 90°



MCV648-12

Satinsky

*



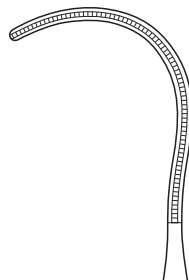
MCV649-12

Light curve



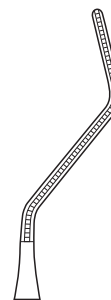
MCV650-12

Spoon shaped



MCV651-12

Strong curve

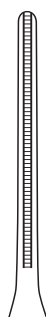


MCV652-12

Carotid

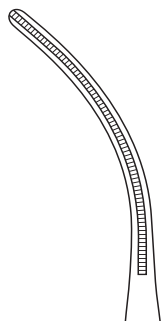


DeBakey Ring Handled Bulldog Clamp



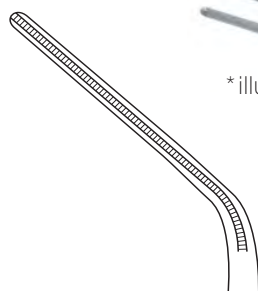
MCV653-12
12.5cm/5"

straight



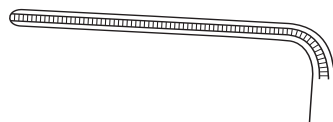
MCV654-12
12.5cm/5"

curved



MCV655-12
12.5cm/5"

*angled 45°



MCV656-12
10cm/4"

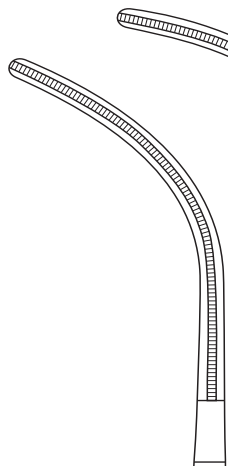
angled 90°

* illustrated

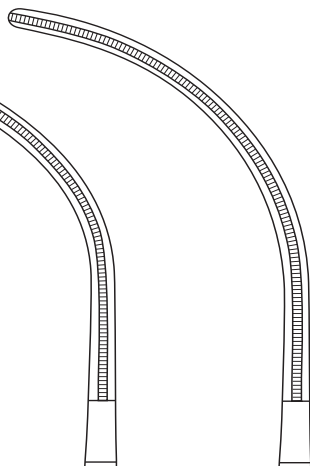


DeBakey-Glover Anastomosis Clamp

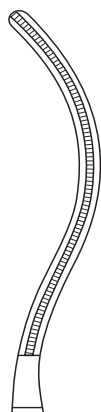
- Straight shanks



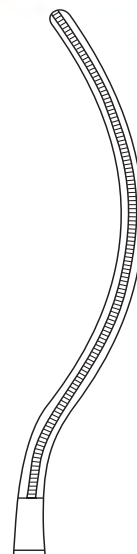
MCV657-21
21cm/8¹/₄"



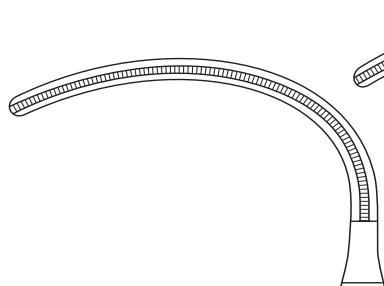
MCV658-24
24cm/9¹/₂"



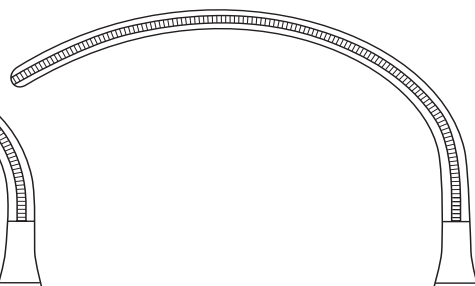
MCV659-21
21cm/8¹/₄"



MCV660-26
26cm/ 0¹/₄"



MCV661-18
18.5cm/7¹/₄"

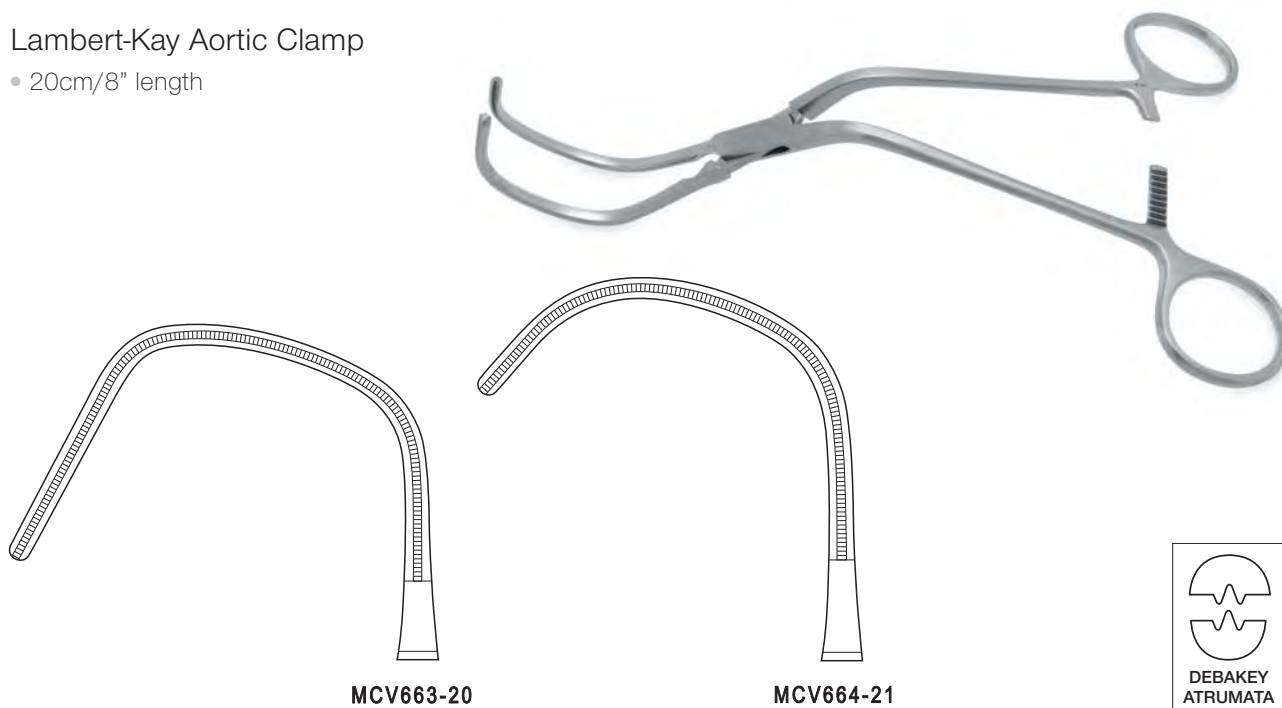


MCV662-22
22cm/8³/₄"

VASCULAR CLAMPS

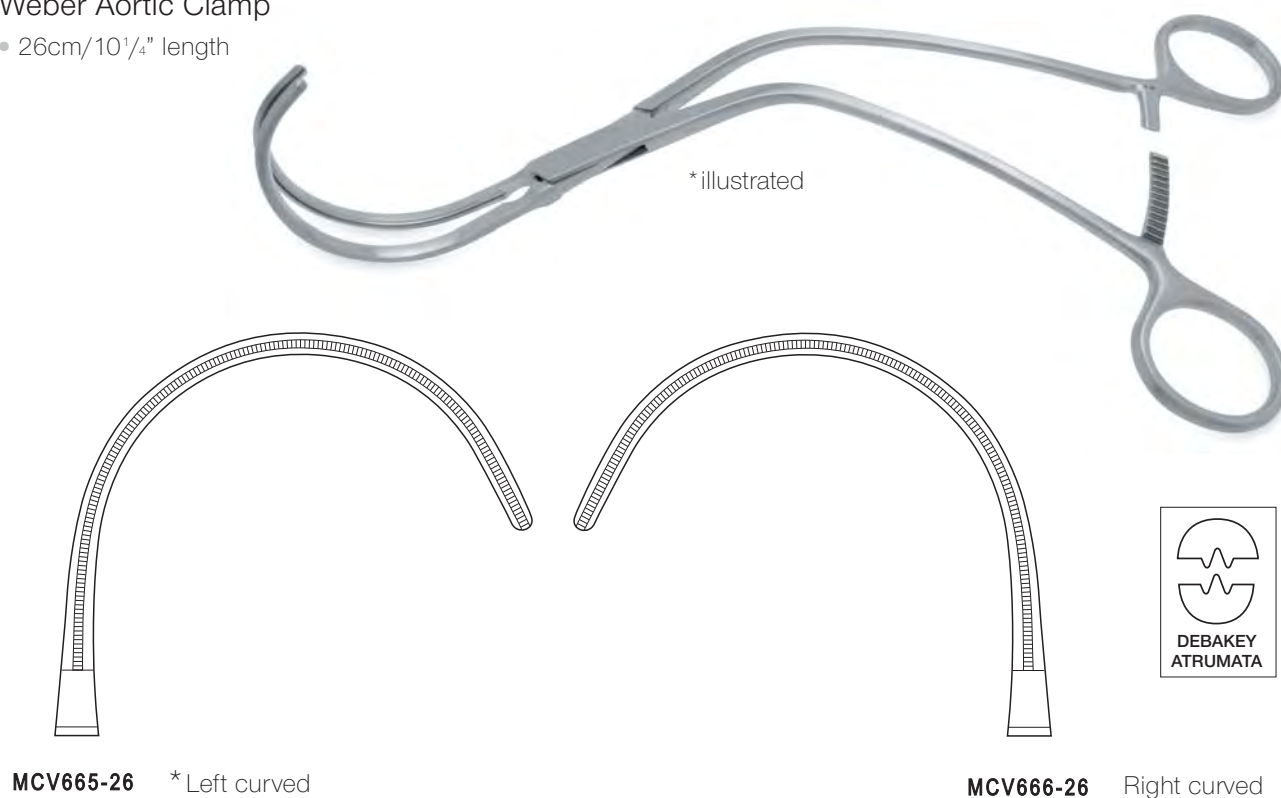
Lambert-Kay Aortic Clamp

- 20cm/8" length



Weber Aortic Clamp

- 26cm/10 1/4" length

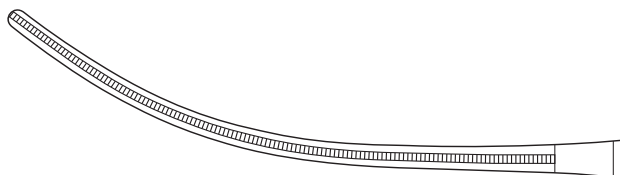


MCV665-26 * Left curved

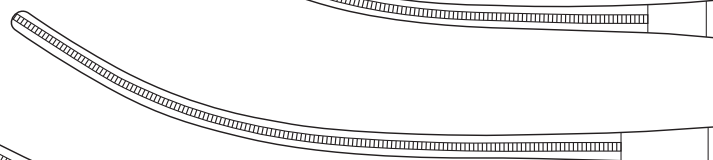
MCV666-26 Right curved

DeBakey Aortic Aneurism Clamp

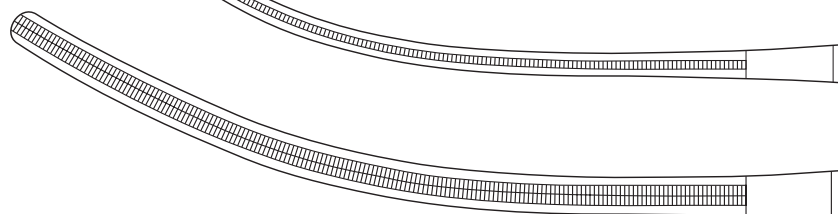
- Curved Shanks



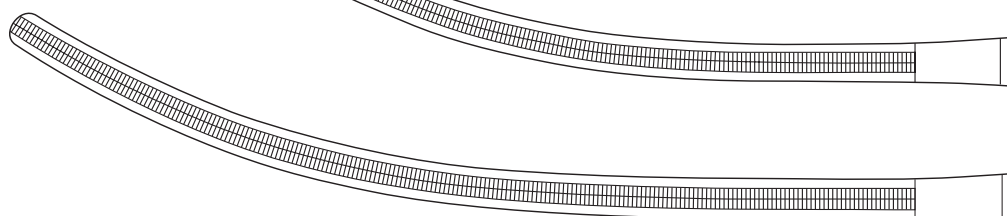
24cm/9½"

MCV667-24


27cm/10¼"

MCV668-27


31cm/12¼"

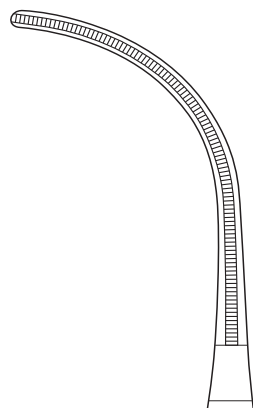
MCV669-31


33cm/13"

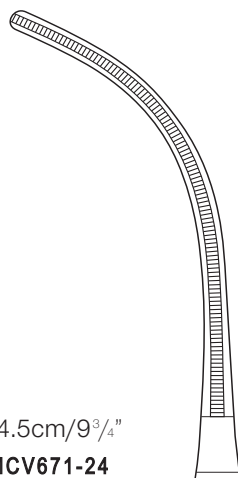
MCV670-33

DeBakey-Bahnson Aortic Aneurism Clamp

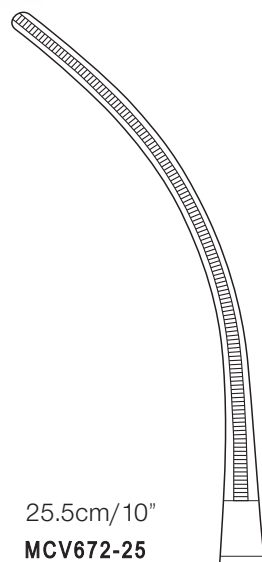
- S-Shape Shanks



24.5cm/9¾"

MCV671-24


25.5cm/10"

MCV672-25


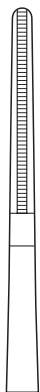
26.5cm/10½"

MCV673-26

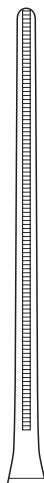

VASCULAR CLAMPS

DeBakey Glover Patent Ductus Clamp

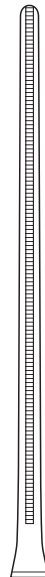
- Straight Shanks



20cm/8"
MCV674-20



22cm/8³/₄"
MCV675-22

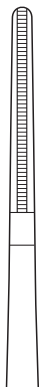


26cm/10¹/₄"
MCV676-26

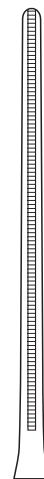


DeBakey Glover Patent Ductus Clamp

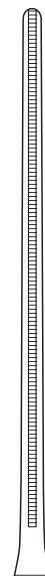
- Angled Shanks



20cm/8"
MCV677-20



22cm/8³/₄"
MCV678-22



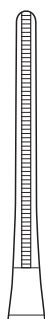
26cm/10¹/₄"
MCV679-26



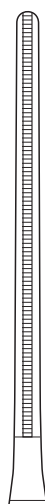
DeBakey Peripheral Clamp



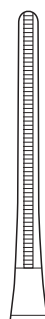
*illustrated



Straight Shanks *
19.5cm/7³/₄"
MCV680-19



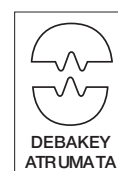
Straight Shanks
22cm/8³/₄"
MCV681-22



Angled Shanks
19.5cm/7³/₄"
MCV682-19

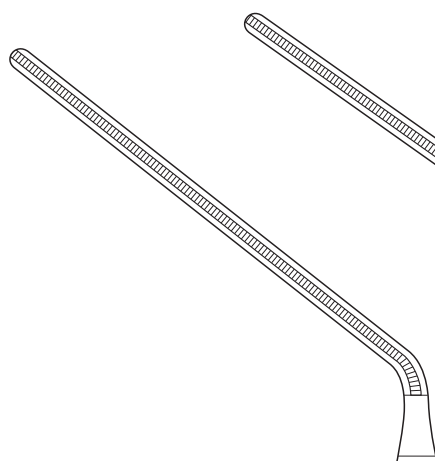


Angled Shanks
22cm/8³/₄"
MCV683-22

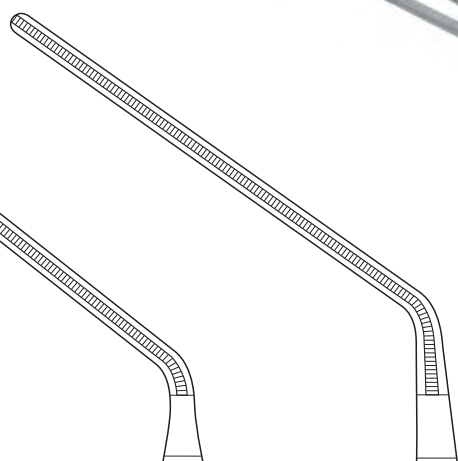


DeBakey Peripheral Clamp

- Curved Shanks
- Angled 45°



19cm/7¹/₂"
MCV684-19



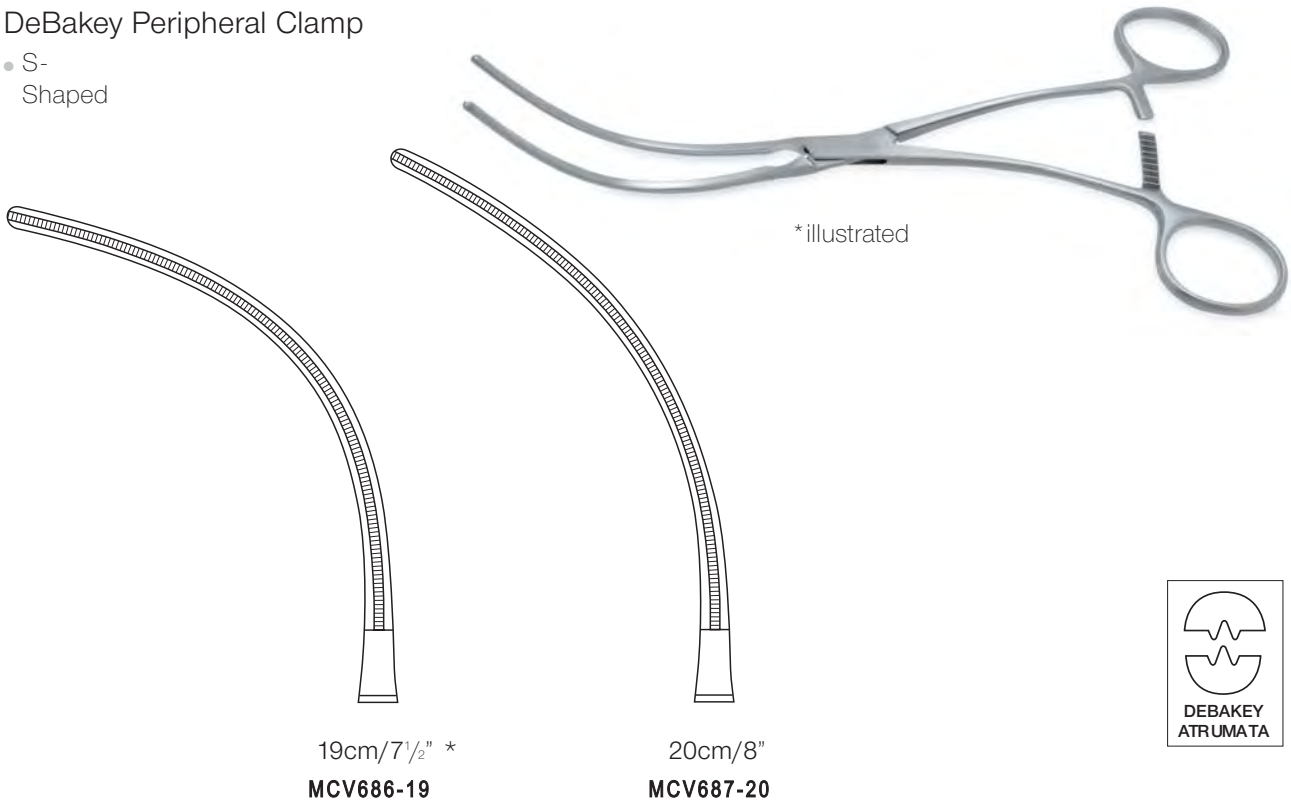
26cm/8¹/₂"
MCV685-26



VASCULAR CLAMPS

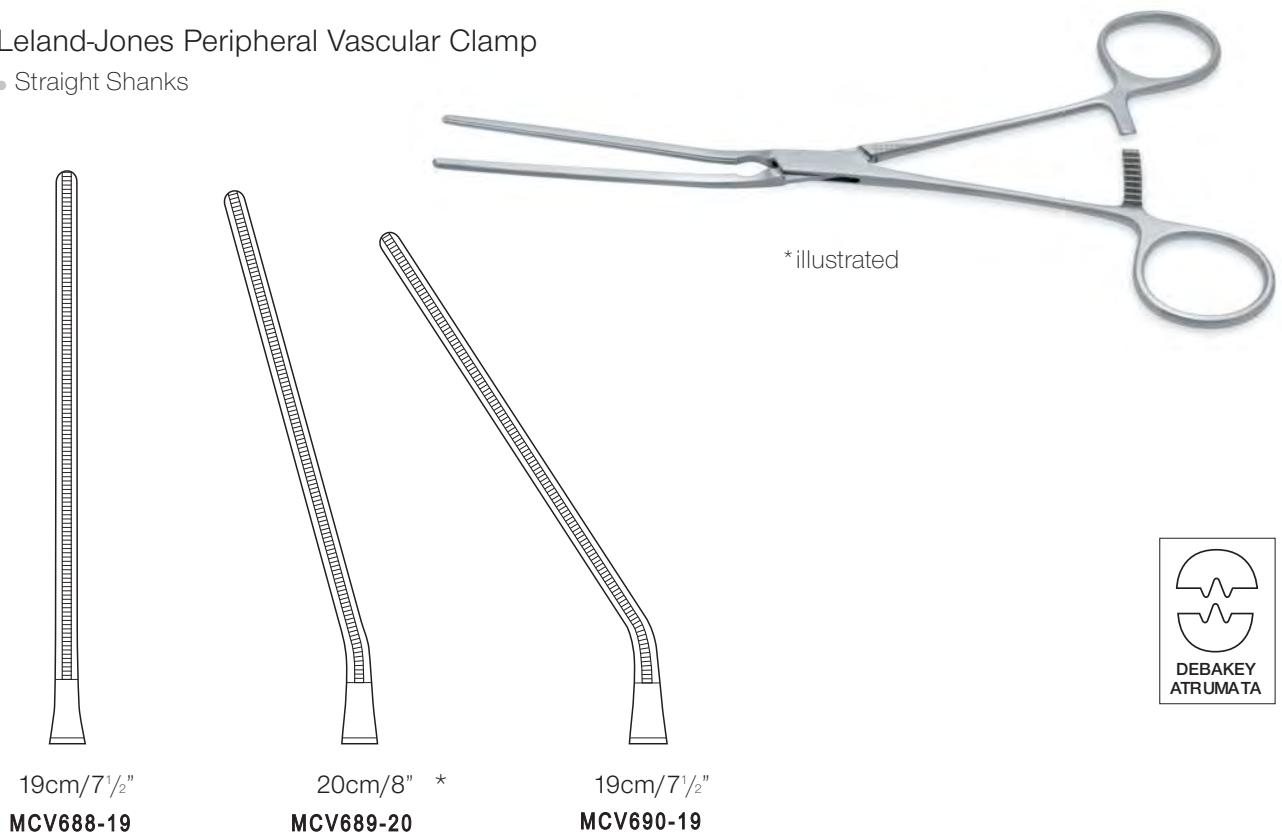
DeBakey Peripheral Clamp

- S-Shaped

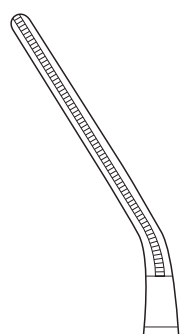
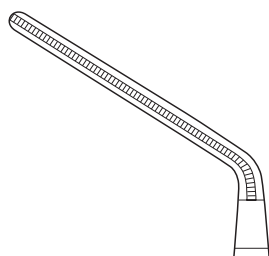
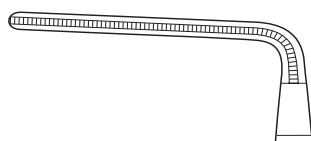


Leland-Jones Peripheral Vascular Clamp

- Straight Shanks



DeBakey Multi-Purpose Clamp

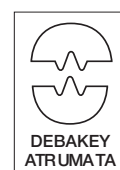

MCV691-16

MCV692-15

MCV693-14

16cm/6 $\frac{1}{4}$ "
30° Angled Jaws

15.5cm/6"
60° Angled Jaws

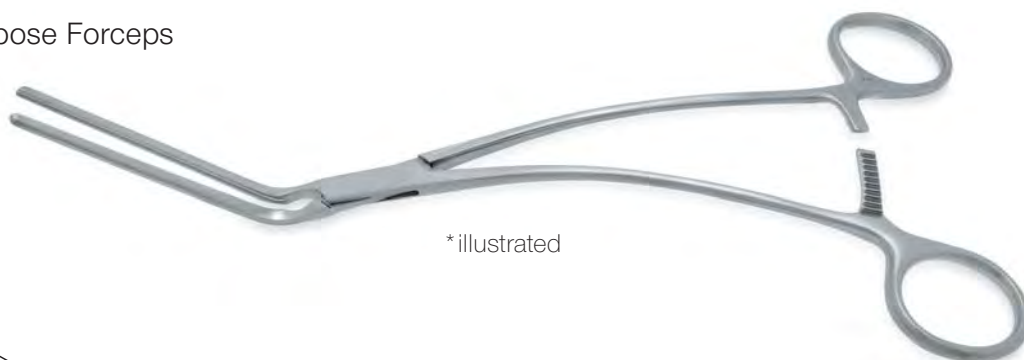
14.5cm/6 $\frac{1}{2}$ "
90° Angled Jaws

* illustrated

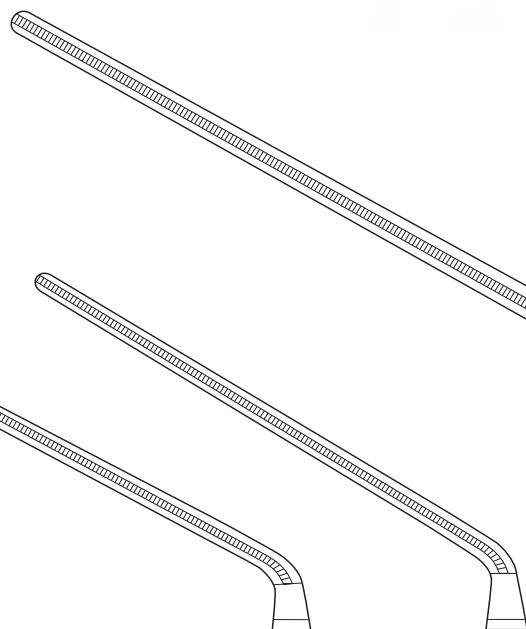


DeBakey Multi-Purpose Forceps

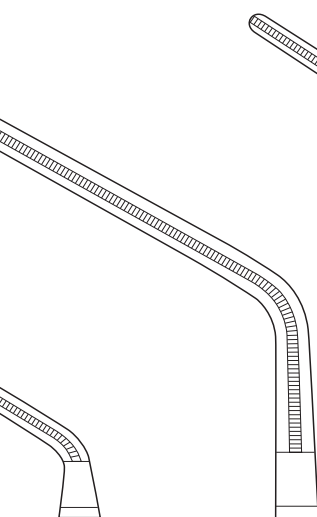
- Angled 60°
- Curved Shanks



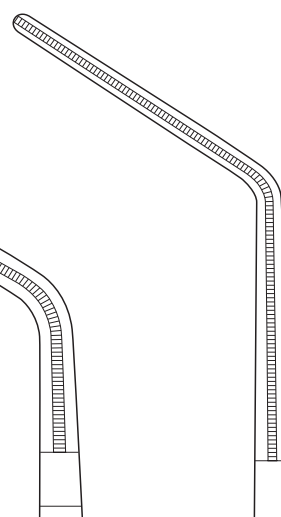
* illustrated


MCV694-20

20cm/8"


MCV695-24

24cm/9 $\frac{1}{2}$ "


MCV696-30

30cm/12"


MCV697-25

25cm/10"

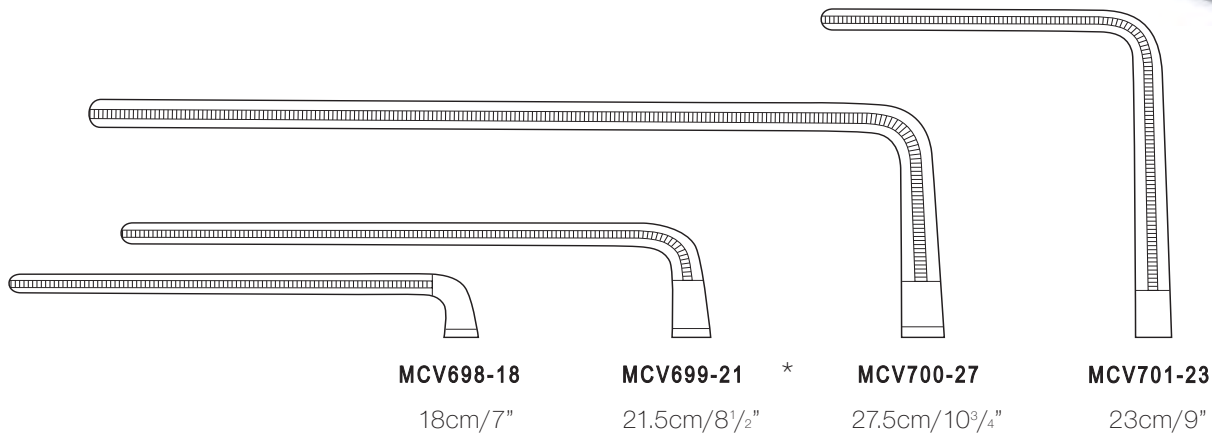
VASCULAR CLAMPS

DeBakey Multi-Purpose Clamp

- Angled 90°

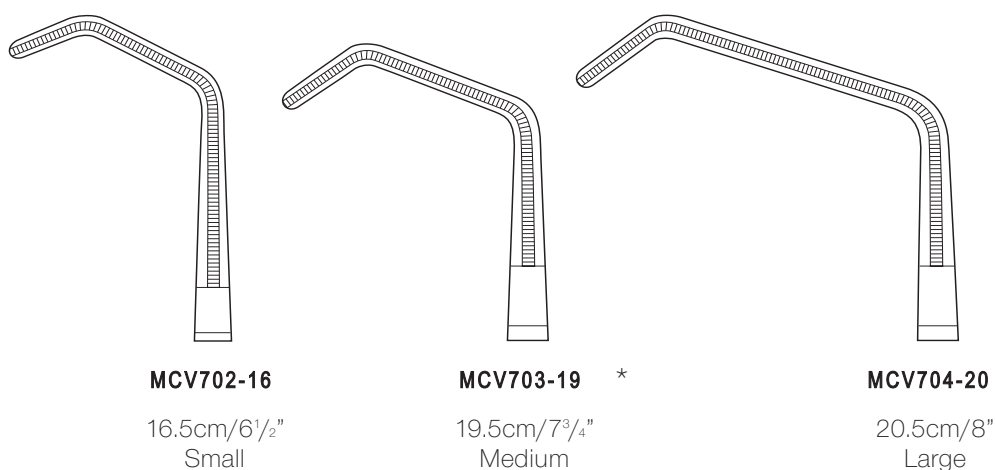


* illustrated



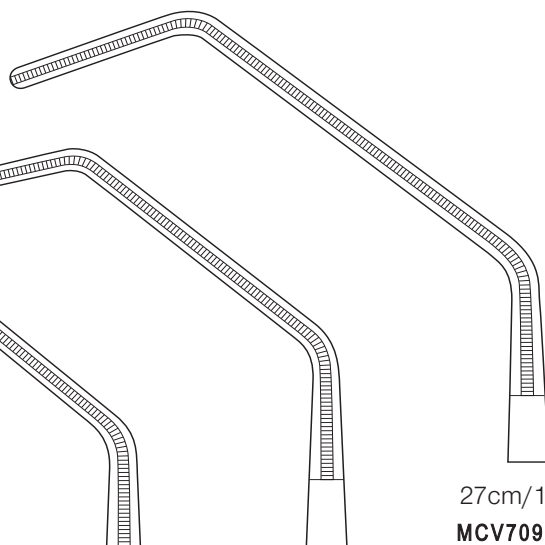
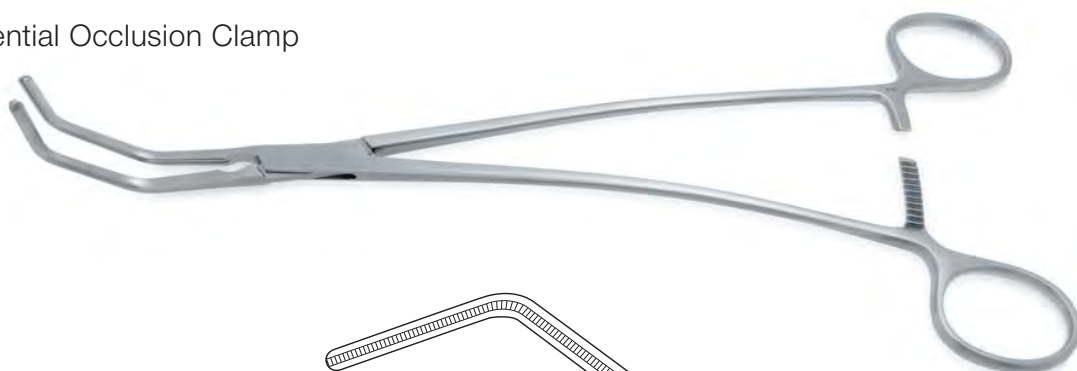
DeBakey-Beck Paediatric Aortic Forceps

- Straight Shanks

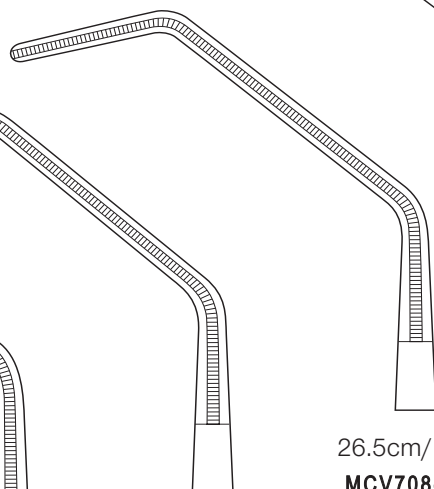


DeBakey Tangential Occlusion Clamp

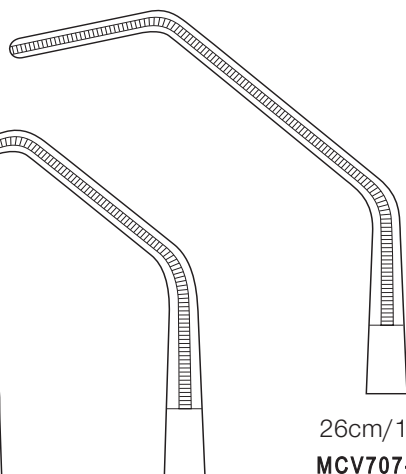
- Curved Shanks



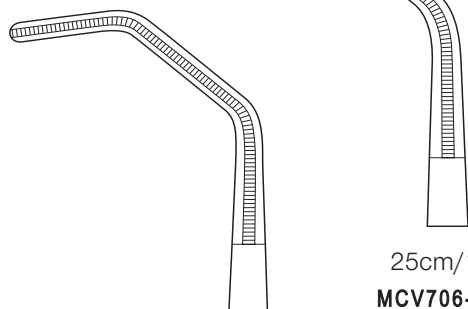
27cm/10³/₄"
MCV709-28



26.5cm/10¹/₂"
MCV708-27

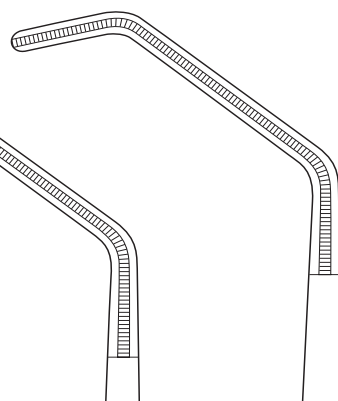


26cm/10¹/₄"
MCV707-26

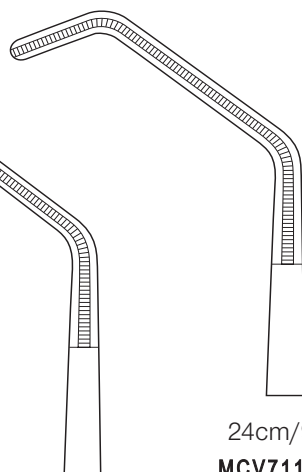


25cm/10"
MCV706-25

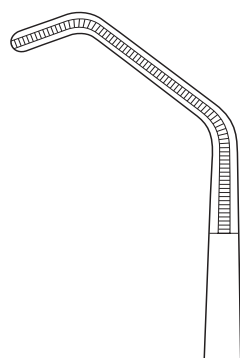
20cm/8"
MCV705-20



24.5cm/9³/₄"
MCV712-25



24cm/9¹/₂"
MCV711-24

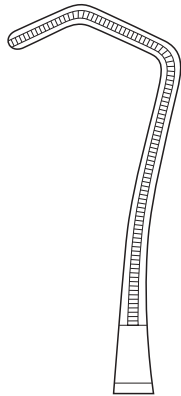


23.5cm/9¹/₄"
MCV710-23



VASCULAR CLAMPS

DeBakey Anastomosis Clamp

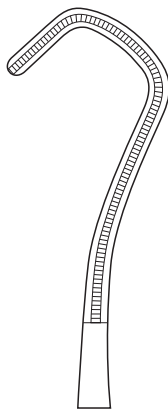


17cm/6³/₄"
MCV713-17

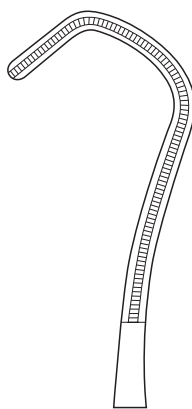


DeBakey-Derra Anastomosis Clamp

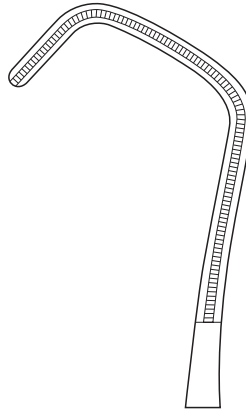
- 17cm/6³/₄" length



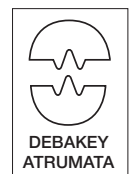
MCV714-17
Small



MCV715-17
Medium

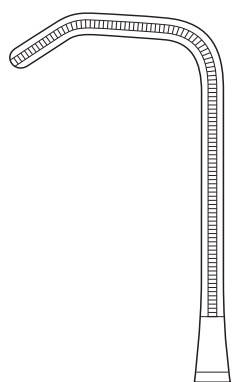


MCV716-17
Large



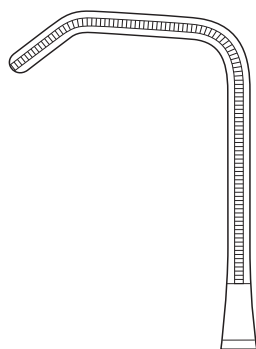
DeBakey-Reynolds Anastomosis Clamp

- Angled Shanks



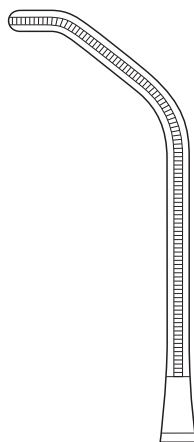
MCV717-16

16.5cm/6 $\frac{1}{2}$ "



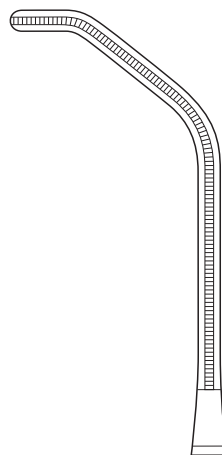
MCV718-16

16.5cm/6 $\frac{1}{2}$ "



MCV719-18

18cm/7"



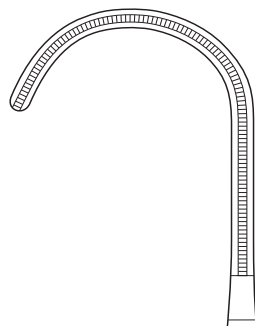
MCV720-18

18cm/7"

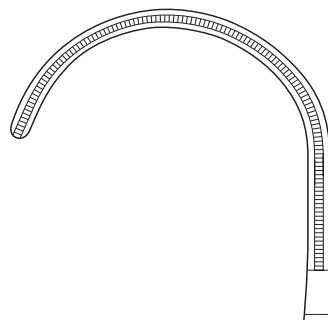


DeBakey Curved Anastomosis Forceps

- 17cm/6 $\frac{3}{4}$ " length
- Curved Shanks



MCV721-17



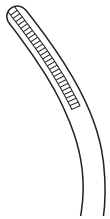
MCV722-17



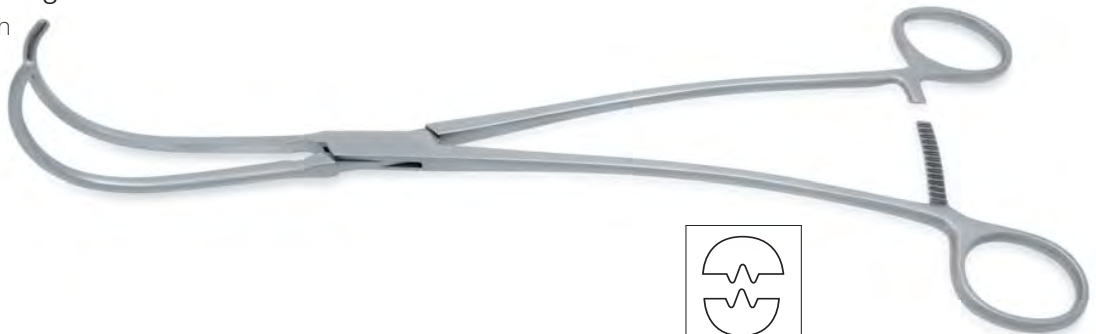
VASCULAR CLAMPS

DeBakey-Semb Ligature Carrier

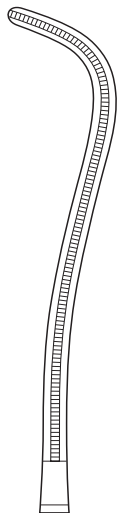
- 25cm/10" length



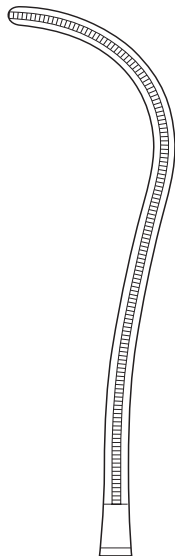
MCV723-25



DeBakey Ligature Forceps



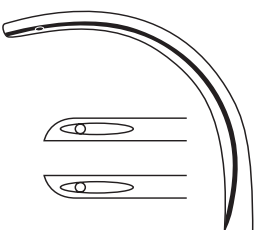
MCV724-19



MCV725-19



Semb Ligature Forceps



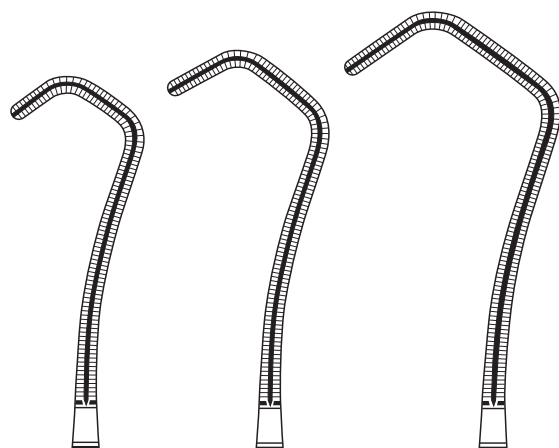
MCV726-23



MCV727-24



Cooley-Derra Anastomosis Clamp



MCV728-16

small
16.5cm/6½"

MCV729-17

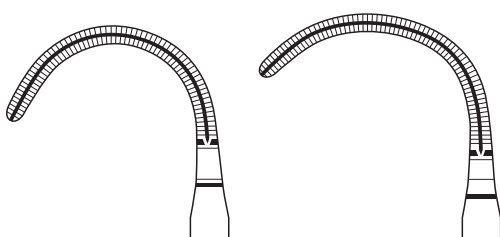
medium
17cm/6¾"

MCV730-17

large
17.5cm/7"



Cooley-Beck Vascular Clamp



MCV731-15

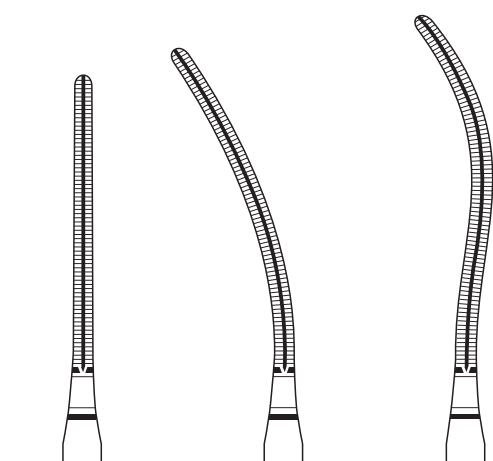
15cm/6"

MCV732-15

15cm/6"



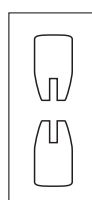
Cooley Coarctation Clamp



MCV733-17

MCV734-17

MCV735-18



VASCULAR CLAMPS

Javid Carotid Clamp

- Small size
- 15cm/6" length

MCV736-15



For holding the shunt tube during Carotid Surgery

Javid Carotid Clamp

- Large size
- 18cm/7" length

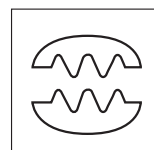
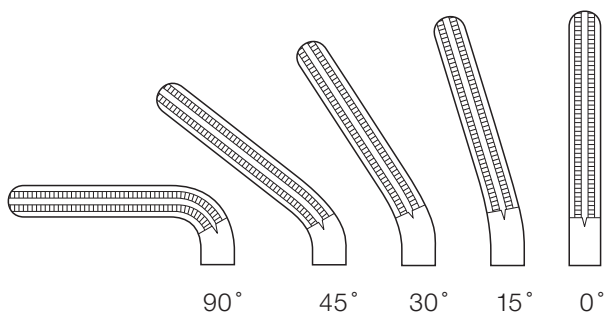
MCV737-18



Dardik Multi-Purpose Clamp

Jaw Angle 15cm/6" length 17cm/6³/₄" length

0°	MCV738-00	MCV739-00
15°	MCV740-15	MCV741-15
30°	MCV742-30	MCV743-30
45°	MCV744-45	MCV745-45
90°	MCV746-90	MCV747-90



Frazier Suction Tube

- Angled 30°

diameter Ø	Overall Length	
	17cm/6½"	23cm/9"
2.0mm 6FG	MCV748-17	MCV749-23
2.3mm 7FG	MCV750-17	MCV751-23
2.7mm 8FG	MCV752-17	MCV753-23
3.0mm 9FG	MCV754-17	MCV755-23
3.3mm 10FG	MCV756-17	MCV757-23
3.7mm 11FG	MCV758-17	MCV759-23
4.0mm 12FG	MCV760-17	MCV761-23



American Pattern Suction Tube

- 16.5cm/6½" length

MCV762-16



Brompton Hospital Suction Tube

- 30cm/11¾" length



MCV763-30 Adult size for 9.5mm/⅜" tubing

MCV764-30 Child size for 6mm/¼" tubing

Brompton Hospital Suction Tube

- Paediatric 4.8mm Ø Tip size
- 23cm/9" length
- For 6.5mm/¼" tubing

MCV765-23



Southampton Western Hospital Suction Tube

- 22cm/8½" length
- Paediatric 3.3mm/⅛" Ø
- For 6.5mm/¼" tubing

MCV766-22



SUCTION TUBES & CANNULA

Tibbs Arterial Cannula

- Long Pattern
- Luer lock

Set of 4 **MCV767-10**

Large Cone **MCV768-20**

Small Cone **MCV769-30**

Large Olive **MCV770-40**

Small Olive **MCV771-50**



Heparin Flushing Needle

- Luer lock

2mm Ø Tip **MCV772-20**

2.5mm Ø Tip **MCV773-25**

3mm Ø Tip **MCV774-30**



Magill Suction Tube

- 21cm/8¹/₄" length

3mm Ø Tip **MCV775-21**

3.5mm Ø Tip **MCV776-21**

4.0mm Ø Tip **MCV777-21**



Yankauer Sucti

- 30.5cm/12" length

MCV778-30



Pooles Suction Tube

- 24cm/9¹/₂" length
- 10mm Ø

MCV779-24 Straight mount * illustrated

MCV780-24 Curved mount



Paediatric Pooles Suction Tube

- 15cm/6" length
- 6mm Ø

MCV781-15



Ross Atrial Basket



length	tubing size Ø	code
29mm	1/2"/12.7mm	MCV782-15
29mm	3/8"/9.5mm	MCV783-20
19mm	3/8"/9.5mm	MCV784-25
16mm	1/4"/6.3mm	MCV785-30

Ross Sump Sucker (screw apart)



	diameter	tubing size Ø	code
Adult	7.5mm	3/16"/5.0mm	MCV786-75
Child	6.5mm	3/16"/5.0mm	MCV787-65
Infant	5.0mm	1/8"/3.5mm	MCV788-50

Ross Ventricular Vent (screw apart)



	diameter	tubing size Ø	code
Adult	7.5mm	3/16"/5.0mm	MCV789-75
Child	6.5mm	3/16"/5.0mm	MCV790-65
Infant	5.0mm	1/8"/3.5mm	MCV791-50

Baylor Sump Sucker (screw apart)



outside diameter	45° angled	90° angled
4.0mm	MCV792-40	MCV793-40
5.0mm	MCV794-50	MCV795-50
6.0mm	MCV796-60	MCV797-60

Bentall Femoral Cannula

- Rolled edge to bevel



bore Ø	code	bore Ø	code
1.5mm	MCV798-15	4.5mm	MCV804-45
2.0mm	MCV799-20	5.0mm	MCV805-50
2.5mm	MCV800-25	5.5mm	MCV806-55
3.0mm	MCV801-30	6.0mm	MCV807-60
3.5mm	MCV802-35	6.5mm	MCV808-65
4.0mm	MCV803-40	7.0mm	MCV809-70

Iliac Cannula

- Angled



bore Ø	code	bore Ø	code
2.5mm	MCV810-25	4.5mm	MCV814-45
3.0mm	MCV811-30	5.0mm	MCV815-50
3.5mm	MCV812-35	5.5mm	MCV816-55
4.0mm	MCV813-40	6.0mm	MCV817-60

JS Venous Cannula

- Cage tip
- 80° angled
- Long tubing end



bore Ø	code	bore Ø	code
3mm	MCV818-30	6mm	MCV821-60
4mm	MCV819-40	7mm	MCV822-70
5mm	MCV820-50	8mm	MCV823-80

VESSEL DILATORS & PROBES

Ross Coronary Artery Probe

- Same thickness along length of shaft

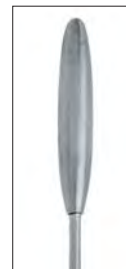
diameter Ø	10cm length	15cm length
0.5mm	MCV824-05	MCV825-05
1.0mm	MCV826-10	MCV827-10
1.5mm	MCV828-15	MCV829-15
2.0mm	MCV830-20	MCV831-20
2.5mm	MCV832-25	MCV833-25
3.0mm	MCV834-30	MCV835-30



DeBakey Vessel Dilator

- 190mm length
- Malleable shaft

diameter Ø		diameter Ø	
0.5mm	MCV836-05	3.5mm	MCV842-35
1.0mm	MCV837-10	4.0mm	MCV843-40
1.5mm	MCV838-15	4.5mm	MCV844-45
2.0mm	MCV839-20	5.0mm	MCV845-50
2.5mm	MCV840-25	7.0mm	MCV846-70
3.0mm	MCV841-30	9.0mm	MCV847-90



Garrett Vessel Dilator

- Malleable shaft

diameter Ø	14cm length	diameter Ø	21cm length
1.0mm	MCV848-10	1.0mm	MCV857-10
1.5mm	MCV849-15	1.5mm	MCV858-15
2.0mm	MCV850-20	2.0mm	MCV859-20
2.5mm	MCV851-25	2.5mm	MCV860-25
3.0mm	MCV852-30	3.0mm	MCV861-30
3.5mm	MCV853-35	3.5mm	MCV862-35
4.0mm	MCV854-40	4.0mm	MCV863-40
4.5mm	MCV855-45	4.5mm	MCV864-45
5.0mm	MCV856-50	5.0mm	MCV865-50



Rummel Cardiac Stilette

- Suture Hook
- 32.5cm length



MCV866-32

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○ LIPO CANNULAE RANGE

DISPOSABLE

The outstanding quality of the our disposable product range is immediately apparent; high grade stainless steel, reassuring weight, excellent balance and superb finish.

RESUABLE

The reusable range is as versatile as you need it to be, we will create any bespoke size and style upon request. The range shown in this catalogue is a guide to the most popular products we currently provide, many are regular stock items for fast delivery.

FLUID INFUSION

Infusion needles

High grade stainless steel. 6 spaced holes in a spiral around the tip.
For fluid infusion using leur lock syringes, handles or giving set tubing.



DISPOSABLE RANGE		REUSABLE RANGE	
Product Code	Product Code	Diameter (mm)	Length (cm)
MMD-101	MMR-101	2	15
MMD-102	MMR-102	2	23
MMD-103	MMR-103	2	30
MMD-104	MMR-104	3	15
MMD-105	MMR-105	3	23
MMD-106	MMR-106	3	30

Curved

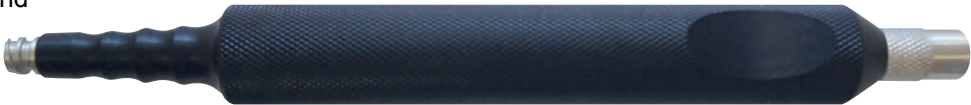


Product Code	Product Code	Diameter (mm)	Length (cm)
MMD-107	MMR-107	1.6	23

Infusion handle non valve

Comfortable handle to link tubing to needle, lack of valve reduces leakage.
Single shaft allows infiltration and suction.

Product Code
MMD-108



Disposable handle: POM

Product Code
MMD-109

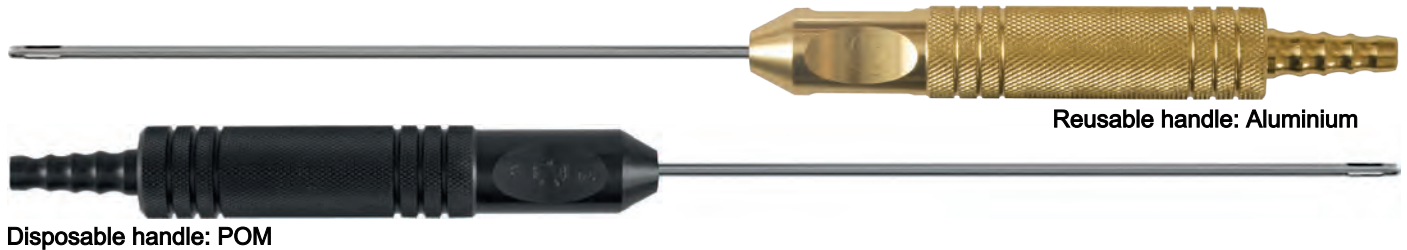


Reusable handle: Aluminium

POWERED SUCTION

One piece cannulae

High grade Stainless Steel shaft, for aspiration with powered suction.



Disposable handle: POM

Reusable handle: Aluminium

Mercedes

Three holes spaced evenly around the tip. The most popular tip style.



DISPOSABLE RANGE		REUSABLE RANGE	
Product Code		Product Code	Diameter (mm) Length (cm)
MMD-110		MMR-110	2 10
MMD-111		MMR-111	3 15
MMD-112		MMR-112	3 25
MMD-113		MMR-113	4 30
MMD-114		MMR-114	5 30

30 Hole harvest cannula

Harvest fat in smaller parcels, reduces blocking.



Product Code	Product Code	Diameter (mm)	Length (cm)
MMD-115	MMR-115	3	25

Lantern

Chinese lantern shaped tip, useful for fibrous areas and popular in Gynecomastia procedures.



Product Code	Product Code	Diameter (mm)	Length (cm)
MMD-116	MMR-116	3	25
MMD-117	MMR-117	4	30
MMD-118	MMR-118	5	30

The Scream

Two holes above a single hole, a cannula lookalike of the famous Munch painting.



DISPOSABLE RANGE		REUSABLE RANGE	
Product Code		Product Code	Diameter (mm) Length (cm)
MMD-119		MMR-119	2 10
MMD-120		MMR-120	3 20
MMD-121		MMR-121	4 30

Submental

One hole, flat backed for areas closer to the skin.



Product Code	Product Code	Diameter (mm)	Length (cm)
MMD-122	MMR-122	2	10
MMD-123	MMR-123	3	15

One hole

A single downward facing aperture.



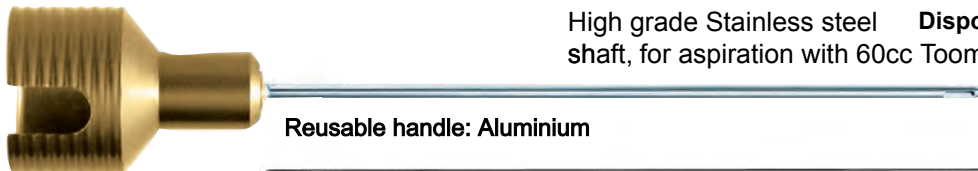
Product Code	Product Code	Diameter (mm)	Length (cm)
MMD-124	MMR-124	2	15
MMD-125	MMR-125	3	20
MMD-126	MMR-126	4	30

LUER LOCK HUB SYRINGE SUCTION

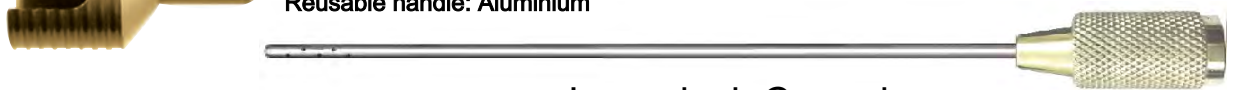


Toomey Cannulae

High grade Stainless steel **Disposable handle: POM**
shaft, for aspiration with 60cc Toomey syringes.



Reusable handle: Aluminium



Lucer lock Cannulae

High grade Stainless steel **Disposable handle: POM**
shaft, for aspiration with 60cc syringes.



Reusable handle: Aluminium

Mercedes tip

Three holes spaced evenly around the tip. The most popular tip style.



DISPOSABLE RANGE		REUSABLE RANGE	
Product Code	Product Code	Diameter (mm)	Length (cm)
MMD-127	MMR-127	2	10
MMD-128	MMR-128	3	15
MMD-129	MMR-129	3	18
MMD-130	MMR-130	3	25
MMD-131	MMR-131	4	30

30 Hole harvest cannula

Harvest fat in smaller parcels, reduces blocking.



Product Code	Product Code	Diameter (mm)	Length (cm)
MMD-132	MMR-132	2.5	15
MMD-133	MMR-133	3	20

Submental

One hole, flat backed for areas closer to the skin.



Product Code	Product Code	Diameter (mm)	Length (cm)
MMD-134	MMR-134	2	10
MMD-135	MMR-135	3	15

Open harvest

Guarded fully open tip, designed specifically for tissue harvest.



Product Code	Product Code	Diameter (mm)	Length (cm)
MMD-136	MMR-136	3	18

MICRO HARVEST

Tissue harvest using luer lock syringes. All Triangle Surgical luer lock bases have a thumb platform for comfort and orientation.

Open harvest

Guarded fully open tip, designed specifically for tissue harvest.

DISPOSABLE RANGE		REUSABLE RANGE	
Product Code		Product Code	Diameter (mm) Length (cm)
MMD-137		MMR-137	3 15
MMD-138		MMR-138	3 22



30 Hole harvest cannula

Harvest fat in micro droplets for fine graft re-injection.



Product Code	Product Code	Diameter (mm)	Length (cm)
MMD-139	MMR-139	2.5	15
MMD-140	MMR-140	3	15

Submental

One hole, flat backed for areas closer to the skin.



Product Code	Product Code	Diameter (mm)	Length (cm)
MMD-141	MMR-141	3	22

Mercedes tip

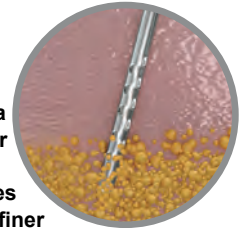
Three holes spaced evenly around the tip.
The most popular tip style.



Product Code	Product Code	Diameter (mm)	Length (cm)
MMD-142	MMR-142	2	15
MMD-143	MMR-143	3	15
MMD-144	MMR-144	3	22

CELL SELECT CANNULAE RANGE

The ingenious Cell Select micro harvest cannula range is specifically designed to capture smaller aliquots of healthy fat cells via numerous 1mm micro-ports. The harvest of smaller cell packages results in easier, smoother re-injection through finer injection cannula. The spacing and increased surface area of the apertures per cannula tip results in an effective and constant collection speed, and greatly reduces blocking.



Level 1 - Gentle Rasp

Product Code	Product Code	Holes	Diameter (mm)	Length (cm)
MMD-145	MMR-145	21	2.5	15
MMD-146	MMR-146	30	3	20



Level 2 - Medium Rasp

Product Code	Product Code	Holes	Diameter (mm)	Length (cm)
MMD- 147	MMR-147	21	2.5	15
MMD-148	MMR-148	30	3	20



Level 3 - Aggressive Rasp

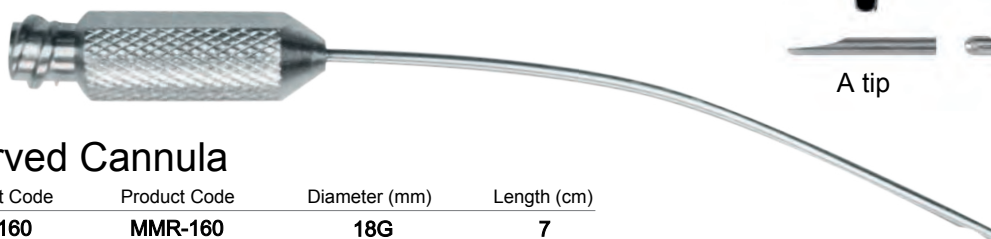
Product Code	Product Code	Holes	Diameter (mm)	Length (cm)
MMD-149	MMR-149	21	2.5	15
MMD-150	MMR-150	30	3	20

MICRO INFILTRATION CANNULAE

High grade Stainless Steel for re-injection using Luer lock syringes.

DISPOSABLE RANGE REUSABLE RANGE

Product Code	Product Code	Diameter (mm)	Length (cm)
MMD-151	MMR-151	16G	7
MMD-152	MMR-152	16G	9
MMD-153	MMR-153	16G	7
MMD-154	MMR-154	16G	9
MMD-155	MMR-155	16G	12
MMD-156	MMR-156	16G	7
MMD-157	MMR-157	16G	9
MMD-158	MMR-158	18G	9
MMD-159	MMR-159	18G	9



Curved Cannula

Product Code	Product Code	Diameter (mm)	Length (cm)
MMD-160	MMR-160	18G	7
MMD-161	MMR-161	16G	12
MMD-162	MMR-162	16G	15

Ultra Fine

Ultra fine facial needle with unblocking Stylet

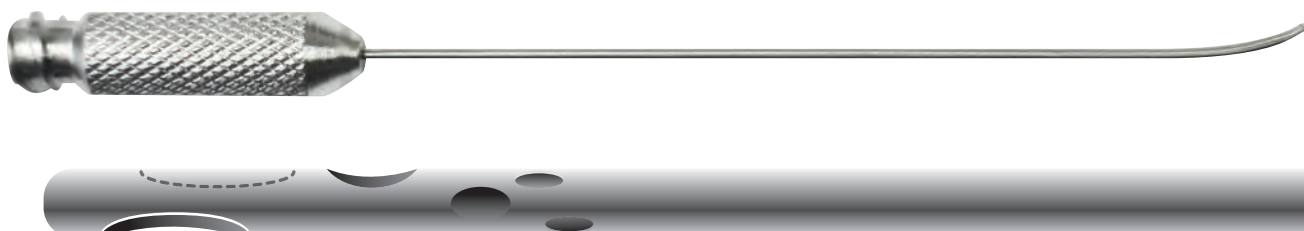
Product Code	Product Code	Diameter (mm)	Length (cm)
MMD-163	MMR-163	23G (0.7mm)	5
MMD-164	MMR-164	21G (0.8mm)	7
MMD-165	MMR-165	21G (0.8mm)	8.5
MMD-166	MMR-166	20G (1.0mm)	5
MMD-167	MMR-167	20G (1.0mm)	7
MMD-168	MMR-168	18G (1.2mm)	9



Micro Drop

Curved obtuse tip for accurate placement of micro droplets.

Product Code	Product Code	Diameter (mm)	Length (cm)
MMD-169	MMR-169	1.2	8.5



DISSECTORS

V-Dissector

Undermining fibrous tissue, widens at the tip and ideal for breast surgery.



DISPOSABLE RANGE		REUSABLE RANGE	
Product Code		Product Code	Diameter (mm) Length (cm)
MMD-170		MMR-170	16G 7
MMD-171		MMR-171	16G 9

W-Dissector

For undermining small areas of fibrous tissue, less aggressive and finer than V Dissector.



Product Code	Product Code	Diameter (mm)	Length (cm)
MMD-172	MMR-172	16G	8.5

HAY Tunnel Dissector

For blunt dissection tunnelling when a V-dissector may be considered aggressive i.e. around Implants. Slight upward curve to tip in order to inhibit direct forceful contact, comfortable handle with orientation marking.



Product Code	Product Code	Diameter (mm)	Length (cm)
MMD-173	MMR-173	2	12

ADAPTORS

Toomey to luer lock adaptor

Transfer aspirate from 60cc Toomey to any size luer lock syringe.



Product Code	Product Code
MMD-174	MMR-174

Luer lock to luer lock adaptor

Transfer between any size luer lock syringes.



Product Code	Product Code
MMD-175	MMR-175

Toomey syringe to luer lock needle adaptor



Product Code	Product Code
MMD-176	MMR-176

ACCESSORIES

Trigger injection gun 10cc/5cc

Trigger mechanism controlled injection from 10cc BD syringe or 5cc BD syringe (adaptor included), eases the physical pressures of re-injection and controls accidental over filling.



Product Code	Capacity (cc)
MMR-177	5, 10

Syringe rack

Autoclavable steel, holds 60 10cc syringes or 12 60cc syringes.



Product Code	Capacity (cc)
MMR-178	10
MMR-179	60



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○ Sterilization Containers , Wire Basket & Cassettes



STERILIZATION CONTAINER

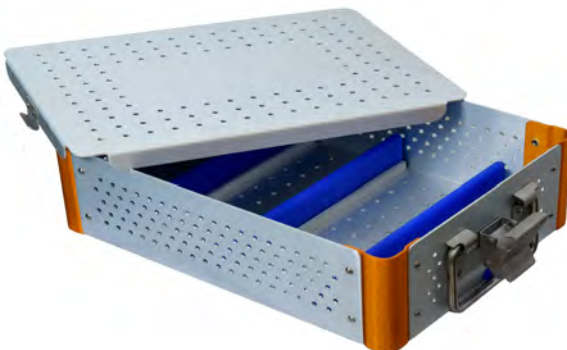
STERILIZATION CONTAINER



Description	Dimensions	code
Sterilization Container	26.5 x 15 x 5 cm	MMS-26155



Description	Dimensions	code
Sterilization Container	26.5 x 20 x 7 cm	MMS-26207





STERILIZATION CONTAINER



Description	Dimensions	code
Sterilization Container	36.5 x 21 x 7 cm	MMS-36217



Description	Dimensions	code
Sterilization Container	36.5 x 21 x 11 cm	MMS-362111



STERILIZATION CONTAINER

STERILIZATION CONTAINER



Description	Dimensions	code
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Sterilization Container	48 x 25 x 11 cm	MMS-482511
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Description	Dimensions	code
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Sterilization Container	50.5 x 20 x 12 cm	MMS-502012
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WIRE BASKET - STAINLESS STEEL

	Description	Dimensions	code
	basket	540 x 255 x 30 mm	MMW-10130
	basket	540 x 255 x 50 mm	MMW-10250
	basket	540 x 255 x 70 mm	MMW-10370
	basket	540 x 255 x 100 mm	MMW-104100
	lid for basket	510 x 240 mm	MMW-105240
	base for basket	545 x 255 x 30 mm	MMW-10630
	basket	485 x 255 x 30 mm	MMW-10730
	basket	485 x 255 x 50 mm	MMW-10850
	basket	485 x 255 x 70 mm	MMW-10970
	basket	485 x 255 x 100 mm	MMW-110100
	lid for basket	455 x 240 mm	MMW-111240


WIRE BASKET - STAINLESS STEEL

	basket	405 x 255 x 30 mm	MMW-11230
	basket	405 x 255 x 50 mm	MMW-11350
	basket	405 x 255 x 70 mm	MMW-11470
	basket	405 x 255 x 100 mm	MMW-115100
	lid for basket	375 x 240 mm	MMW-116240
	base for basket	405 x 255 x 30 mm	MMW-11730
	basket	350 x 255 x 30 mm	MMW-11830
	basket	350 x 255 x 50 mm	MMW-11950
	basket	350 x 255 x 70 mm	MMW-12070

WIRE BASKET - STAINLESS STEEL


	basket	245 x 255 x 30 mm	MMW-12130
	basket	245 x 255 x 50 mm	MMW-12250
	basket	245 x 255 x 70 mm	MMW-12370
	basket	245 x 255 x 100 mm	MMW-124100
	lid for basket	215 x 240 mm	MMW-125240
	base for basket	245 x 255 x 30 mm	MMW-12630
	basket	245 x 170 x 30 mm	MMW-12730
	basket	245 x 170 x 50 mm	MMW-12850


WIRE BASKET MINI - STAINLESS STEEL


	basket	265 x 120 x 45 mm	MMW-12945
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WIRE BASKET

BASKETS PERFORATED SIDE PLATE STAINLESS STEEL


	Description	Dimensions	code
	basket	540 x 255 x 50 mm	MMW-13050
	basket	540 x 255 x 70 mm	MMW-13170
	basket	540x 255 x 100 mm	MMW-132100
	lid for basket	510 x 240 mm	MMW-133240
	basket	485 x 255 x 50 mm	MMW-13450
	basket	485 x 255 x 70 mm	MMW-13570
	basket	485x 255 x 100 mm	MMW-136100
	lid for basket	455 x 240 mm	MMW-137240

	STAINLESS STEEL		
	basket	405 x 255 x 50 mm	MMW-13850
	basket	405 x 255 x 70 mm	MMW-13970
	basket	405x 255 x 100 mm	MMW-140100
	lid for basket	375 x 240 mm	MMW-141240


	STAINLESS STEEL		
	basket	245 x 255 x 50 mm	MMW-14250
	basket	245 x 255 x 70 mm	MMW-14370
	basket	245x 255 x 100 mm	MMW-144100
	lid for basket	215 x 240 mm	MMW-145240

SCREEN BASKETS


STAINLESS STEEL

	basket	539 x 252 x 30 mm	MMW-14630
	basket	539 x 252 x 50 mm	MMW-14750
	basket	539 x 252 x 70 mm	MMW-14870
	basket	539x 252 x 100 mm	MMW-149100
	lid for basket	543 x 256 mm	MMW-150256
	basket	484 x 252 x 30 mm	MMW-15130
	basket	484 x 252 x 50 mm	MMW-15250
	basket	484 x 252 x 70 mm	MMW-15370
	basket	484x 252 x 100 mm	MMW-154100
	lid for basket	488 x 256 mm	MMW-155256

STAINLESS STEEL

	basket	405 x 255 x 30 mm	MMW-15630
	basket	405 x 255 x 50 mm	MMW-15750
	basket	405 x 255 x 70 mm	MMW-15870
	basket	405x 255 x 100 mm	MMW-159100
	lid for basket	405 x 255 mm	MMW-160255

STAINLESS STEEL

	basket	245 x 255 x 30 mm	MMW-16130
	basket	245 x 255 x 50 mm	MMW-16250
	basket	245 x 255 x 70 mm	MMW-16370
	basket	245x 255 x 100 mm	MMW-164100
	lid for basket	245 x 255 mm	MMW-165255

SPECIAL BASKETS

SMALL PARTS WIRE BASKETS - STAINLESS STEEL



Description	Dimensions	code
basket	80 x 80 x 40 mm	MMW-16640
basket	140 x 150 x 40 mm	MMW-16740
basket	220 x 140 x 50 mm	MMW-16850
basket	275 x 175 x 35 mm	MMW-16935
basket	280 x 170 x 60 mm	MMW-17060



basket	290 x 80 x 55 mm 1	MMW-171551
basket	290 x 80 x 55 mm 2	MMW-172552
basket	460 x 80 x 55 mm 1	MMW-173551
basket	460 x 80 x 55 mm 2	MMW-174552
basket	670 x 80 x 55 mm 1	MMW-175551

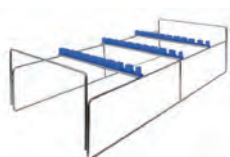


basket	290 x 80 x 55 mm 1	MMW-176551
basket	290 x 80 x 55 mm 2	MMW-177552
basket	460 x 80 x 55 mm 1	MMW-178551
basket	460 x 80 x 55 mm 2	MMW-179552



HOLDING CLAMPS - SILICONE

clamps	Ø 12 mm	MMW-18012
clamps	Ø 14 mm	MMW-18114



ENDOSCOPY RACK - STAINLESS STEEL AND SILICONE

485 x 235 x 160 mm	MMW-182160
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HOLDING CLAMPS - SILICONE

Ø 10 mm	MMW-18210
Ø 5 mm	MMW-18305



ADJUSTABLE RACK - STAINLESS STEEL AND SILICONE

230 x 220 x 40 mm	MMW-18440
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WIRE BASKET



OTHER WIRE BASKETS - STAINLESS STEEL

Description	Dimensions	code
wire basket	442 x 192 x 62 mm	MMW-18562
wire basket with lid	442 x 192 x 62 mm	MMW-18662



LAUNDRY WIRE BASKETS - STAINLESS STEEL

575 x 280 x 135 mm	MMW-187135
605 x 405 x 150 mm	MMW-188150
575 x 280 x 265 mm	MMW-189265
605 x 405 x 300 mm	MMW-190300

INSTRUMENT CASSETTES - STAINLESS STEEL

	Description	Dimensions	code
	Clip in Cassettes for 10 instruments, Fully Opened Designed	18.5 x 14 x 3.0 cm	MMC-10130
	Extra Large Cassette for 6 instruments, With Copartment for Small Parts hinged Lids	18.5 x 11 x 3.5cm	MMC-10235
	15 Instruments Cassette, Detachable Lids, Button Lock, With fitting of Micro Surgery Kit	21 x 14 x 3.5 cm	MMC-10435
	8 Pcs Luxator / Elevator Cassette, Detachable Lid, Button Lock	21 x 14 x 4.5 cm	MMC-10545

STERILIZATION CASSETTES

INSTRUMENT CASSETTES - STAINLESS STEEL

	Description	Dimensions	code
	20 Instruments Cassette, Detachable Lid with Elevator Fitting	29 x 18.5 x 3.5 cm	MMC-10635
	20 Instruments Cassette Hinged Lids With Elevator Fitting, Button Lock	29 x 18.5 x 3.5 cm	MMC-10735
	4 Instruments Cassette, Hinged Lids, Click Lock Available in 2 designs	18 x 6.0 x 2.2 cm	MMC-11022
	10 Instruments Cassette Hinged Lids, Click Lock Available in 2 designs	18 x 13 x 2.2 cm	MMC-11322

INSTRUMENT CASSETTES - STAINLESS STEEL

	Description	Dimensions	code
	<p>7 Instruments Cassette Hinged Lids, Click Lock, With Fitting of 20 hand Instruments</p>	<p>28 x 18 x 3.0 cm</p>	<p>MMC-11630</p>
	<p>Clip in Cassette for 5 Instruments Fully Opened Designs</p>	<p>18 x 6.5 x 2.5 cm</p>	<p>MMC-11725</p>
	<p>Cassette for 5 Pcs Instruments</p>	<p>18 x 9 x 3.4 cm</p>	<p>MMC-11834</p>
	<p>Cassette for 7 Pcs Instruments</p>	<p>18 x 9 x 3.5 cm</p>	<p>MMC-11935</p>

STERILIZATION CASSETTES

INSTRUMENT CASSETTES - STAINLESS STEEL

	Description	Dimensions	code
	Cassette for 5,7,10 Pcs Instruments	18 x 7 x 3.5 cm	MMC-12035
	Cassette for 5 Pcs Instruments	18 x 6 x 2.5 cm	MMC-12125
	Cassette for 10 Pcs Instruments	18 x 14 x 2.5 cm	MMC-12225
	Cassette for 16, 20 Pcs Instruments Removable/Fixed Rack Twist Lock System	28 x 18.5 x 27.5 cm	MMC-12327

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ISO 9001:2015
ISO 13485:2016