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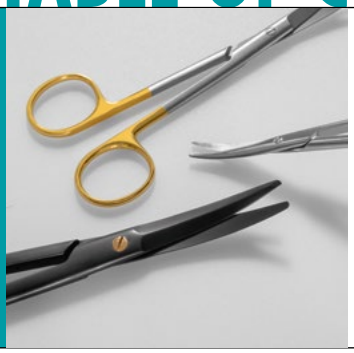

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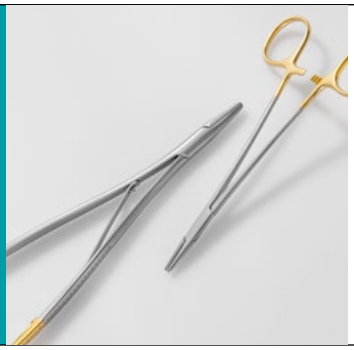

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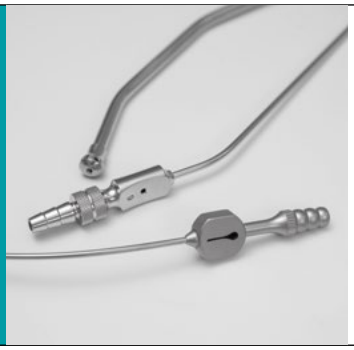

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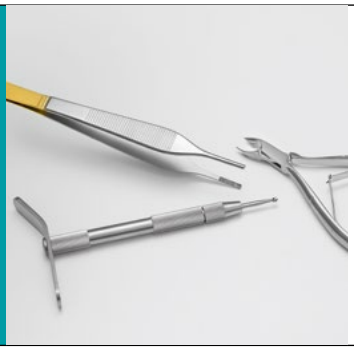

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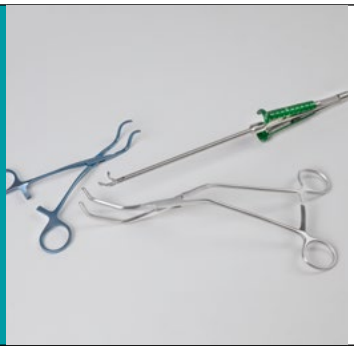

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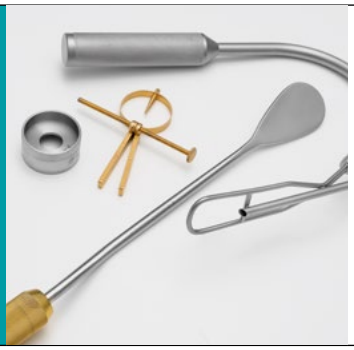

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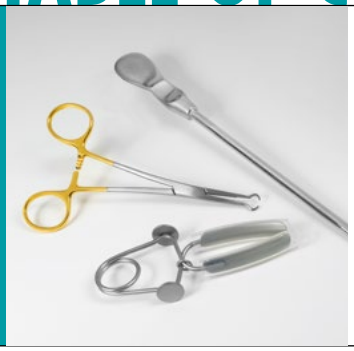

GENITO-URINARY

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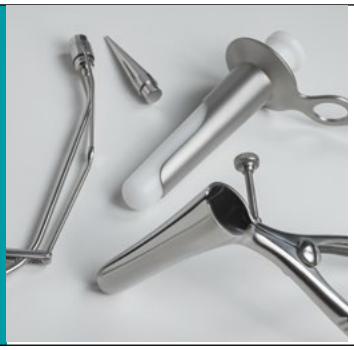

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ORTHOPAEDICS

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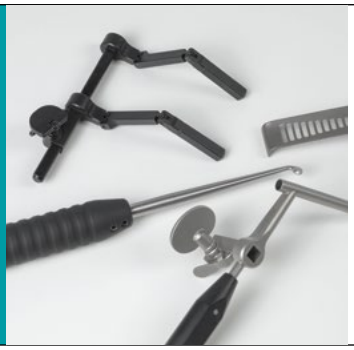

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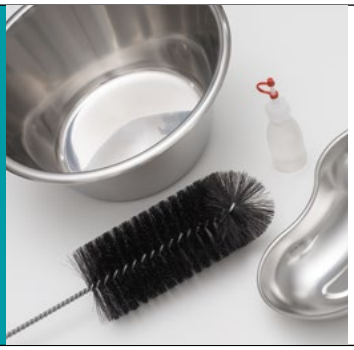

ACCESSORIES

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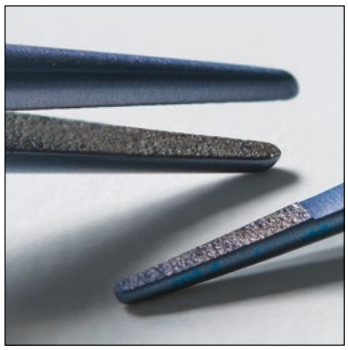
SYMBOLS USED

DIAMOND DUSTED



Diamond coated jaws ensure a harder and wear resistant insert for a secure grip of suture material and tissue. Even fine tips can be coated and an efficient refurbishing of the diamond covered parts is ensured.

TITANIUM



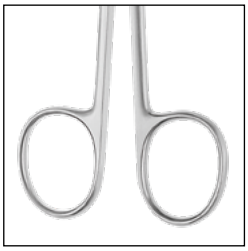
Titanium instruments are approx. 50 % lighter compared to stainless steel models. The material features a very robust design, combined with strength and antimagnetic qualities.
For differentiation, the surface is blue anodized.

STAINLESS STEEL



Stainless steel is characterized by a proportion of at least 10.5 to 13 percent chromium which leads to a protective and dense passive layer of chromium oxide on the material surface. The result is corrosion resistance or more favorable mechanical properties.

SCISSORS IDENTIFICATION



STANDARD SCISSORS

- Reliable, high quality Scissors made of stainless steel.
- The Scissors have a matt finished surface.



SUPER CUT (SC) SCISSORS

- The upper blade edge has a special razor-sharp design for a smooth and precise cut.
  The lower blade has a fine serration to avoid tissue slippage during cutting.
  Super Cut Scissors are made for cutting tissue.
- The Scissors have a mirror finished surface and black coated rings.



TUNGSTEN CARBIDE (TC) SCISSORS

- The TC scissors have a special harder steel (tungsten carbide) insert at the cutting edges which makes the cut precise and the scissors last longer.
- The Scissors have a matt finished surface and gold plated rings.



CERACUT® (CC) SCISSORS

- The CC Scissors have a special black ceramic coating which gives them a high corrosion resistance, a higher durability and razor-sharp edges.
  The lower blade has very fine serrations to avoid tissue slippage.
- The surface is non-reflective and the ceramic coating makes the surface harder.

SCISSORS



Surgical Scissors
Dissecting Scissors
Bandage and Cloth Scissors
Plaster Scissors
Wire Scissors
Suture Scissors
Ligature Scissors
Orthopaedics Scissors
Neuro Scissors
Vascular Scissors
Vessel Scissors
Eye Scissors
Tenotomy Scissors
ENT Scissors
Plastic Scissors
Gynecology Scissors
Supercut Scissors
Tungsten Carbide TC Scissors
CeraCut® Scissors



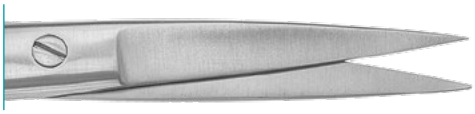
Fig. 1



Fig. 2



Fig. 3

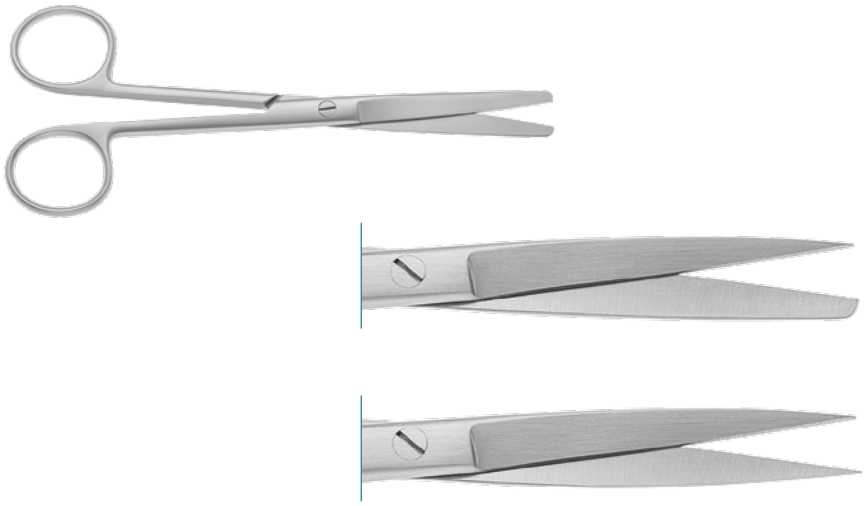


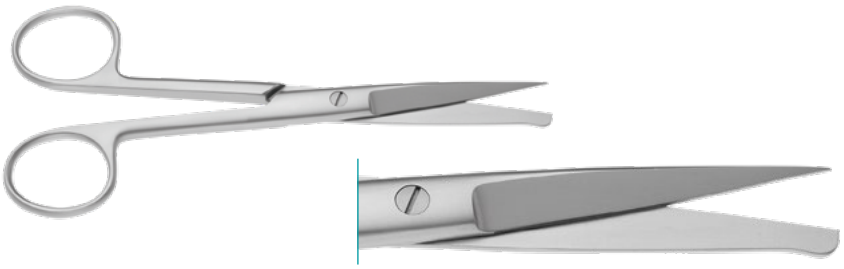
STANDARD

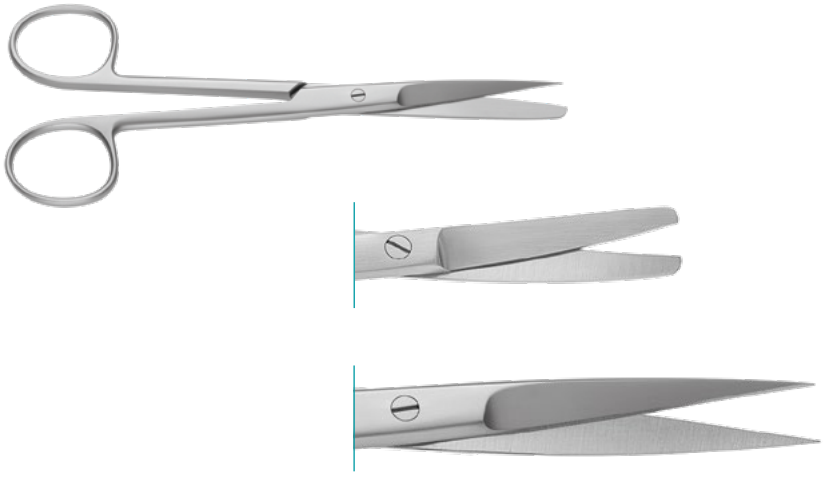
Fig. 1 (blunt/blunt), straight	
115mm, 4 1/2"	120-010-115
130mm, 5 1/8"	120-010-130
145mm, 5 3/4"	120-010-145
155mm, 6 1/8"	120-010-155
165mm, 6 1/2"	120-010-165
175mm, 6 7/8"	120-010-175
185mm, 7 1/4"	120-010-185
200mm, 8"	120-010-200
curved	
115mm, 4 1/2"	120-011-115
130mm, 5 1/8"	120-011-130
145mm, 5 3/4"	120-011-145
155mm, 6 1/8"	120-011-155
165mm, 6 1/2"	120-011-165
175mm, 6 7/8"	120-011-175
185mm, 7 1/4"	120-011-185
200mm, 8"	120-011-200

Fig. 2 (sharp/blunt), straight	
115mm, 4 1/2"	120-012-115
130mm, 5 1/8"	120-012-130
145mm, 5 3/4"	120-012-145
155mm, 6 1/8"	120-012-155
165mm, 6 1/2"	120-012-165
175mm, 6 7/8"	120-012-175
185mm, 7 1/4"	120-012-185
200mm, 8"	120-012-200
curved	
115mm, 4 1/2"	120-013-115
130mm, 5 1/8"	120-013-130
145mm, 5 3/4"	120-013-145
155mm, 6 1/8"	120-013-155
165mm, 6 1/2"	120-013-165
175mm, 6 7/8"	120-013-175
185mm, 7 1/4"	120-013-185
200mm, 8"	120-013-200

Fig. 3 (sharp/sharp), straight	
115mm, 4 1/2"	120-014-115
130mm, 5 1/8"	120-014-130
145mm, 5 3/4"	120-014-145
155mm, 6 1/8"	120-014-155
165mm, 6 1/2"	120-014-165
curved	
115mm, 4 1/2"	120-015-115
130mm, 5 1/8"	120-015-130
145mm, 5 3/4"	120-015-145
155mm, 6 1/8"	120-015-155
165mm, 6 1/2"	120-015-165







GRAZIL

straight, blunt/blunt

130mm, 5 1/8"	120-016-130
145mm, 5 3/4"	120-016-145

curved

130mm, 5 1/8"	120-017-130
145mm, 5 3/4"	120-017-145

straight, sharp/blunt

130mm, 5 1/8"	120-018-130
145mm, 5 3/4"	120-018-145

curved

130mm, 5 1/8"	120-019-130
145mm, 5 3/4"	120-019-145

straight, sharp/sharp

130mm, 5 1/8"	120-020-130
145mm, 5 3/4"	120-020-145

curved

130mm, 5 1/8"	120-021-130
145mm, 5 3/4"	120-021-145

Incision Scissors, straight

130mm, 5 1/8"	120-022-130
145mm, 5 3/4"	120-022-145

DEAVER

straight, 120mm 4 3/4"

blunt/blunt	120-026-120
blunt/sharp	120-024-120
sharp/sharp	120-028-120

curved, 120mm 4 3/4"

blunt/blunt	120-027-120
blunt/sharp	120-025-120
sharp/sharp	120-029-120

145mm, 5 3/4", sharp/blunt

straight	120-024-145
curved	120-025-145

145mm, 5 3/4"

straight, blunt/blunt	120-026-145
curved, blunt/blunt	120-027-145
straight, sharp/sharp	120-028-145
curved, sharp/sharp	120-029-145



MAYO

straight

145mm, $5^{3/4}$"	120-030-145
150mm, 6"	120-030-150
170mm, $6^{2/3}$"	120-030-170

curved

145mm, $5^{3/4}$"	120-031-145
150mm, 6"	120-031-150
170mm, $6^{2/3}$"	120-031-170



MAYO STILLE

straight

150mm, 6"	120-036-150
170mm, $6^{2/3}$"	120-036-170
195mm, $7^{3/4}$"	120-036-195
210mm, $8^{1/4}$"	120-036-210

curved

150mm, 6"	120-037-150
170mm, $6^{2/3}$"	120-037-170
195mm, $7^{3/4}$"	120-037-195
210mm, $8^{1/4}$"	120-037-210



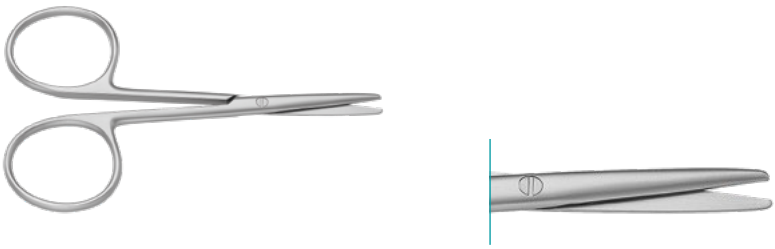
MAYO NOBLE

straight

170mm, $6^{2/3}$"	120-048-170

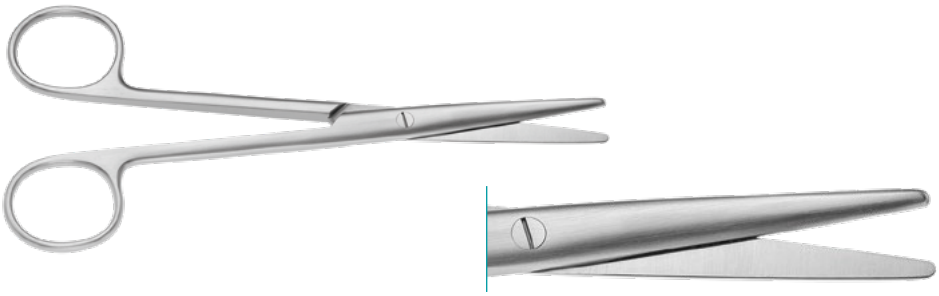
curved

170mm, $6^{2/3}$"	120-049-170
190mm, $7^{1/2}$"	120-049-190



LEXER BABY
Dissecting Scissors, blunt/blunt, 105mm, 4 1/8"

straight	120-136-100
curved	120-137-100

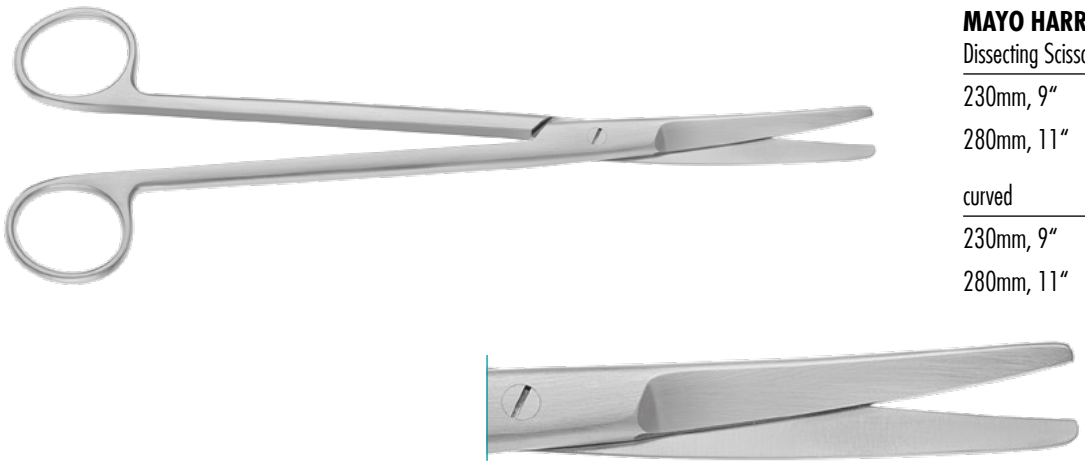


LEXER
Dissecting Scissors, 160mm, 6 1/4"

straight	120-126-160
curved	120-127-160

210mm, 8 1/4"

straight	120-126-210
curved	120-127-210

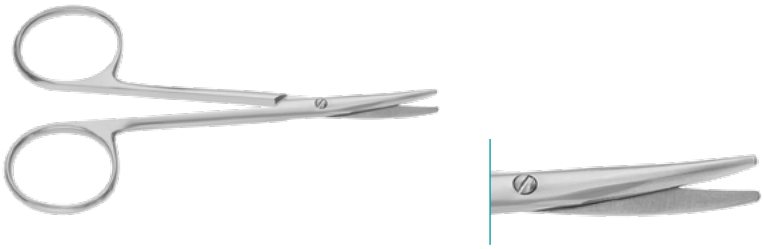


MAYO HARRINGTON
Dissecting Scissors, straight

230mm, 9"	120-030-230
280mm, 11"	120-030-280

curved

230mm, 9"	120-031-230
280mm, 11"	120-031-280



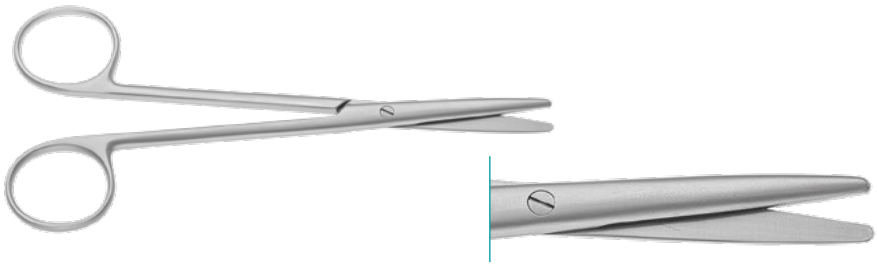
BABY METZENBAUM

straight

115mm, 4 1/2"	120-110-115

curved

115mm, 4 1/2"	120-111-115



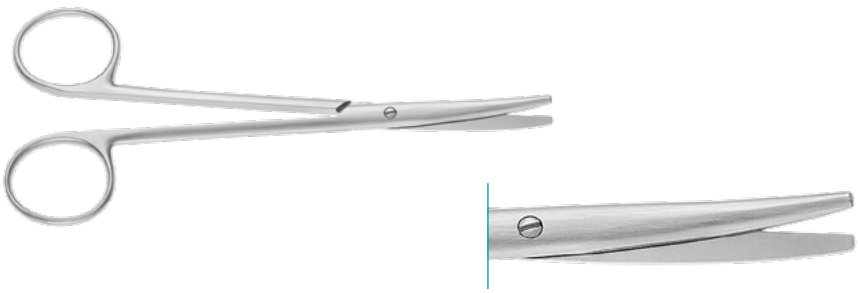
METZENBAUM

straight

145mm, 5 3/4	120-110-145
160mm, 6 1/4"	120-110-160

curved

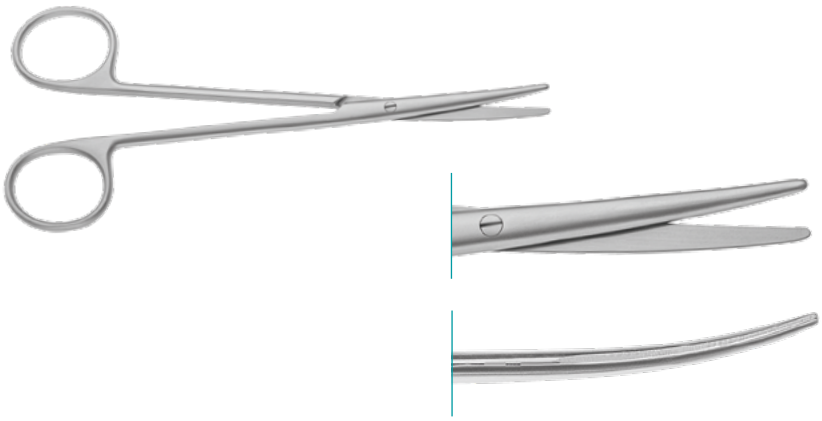
145mm, 5 3/4"	120-111-145
160mm, 6 1/4"	120-111-160



METZENBAUM LAHEY

curved

145mm, 5 3/4"	120-330-145

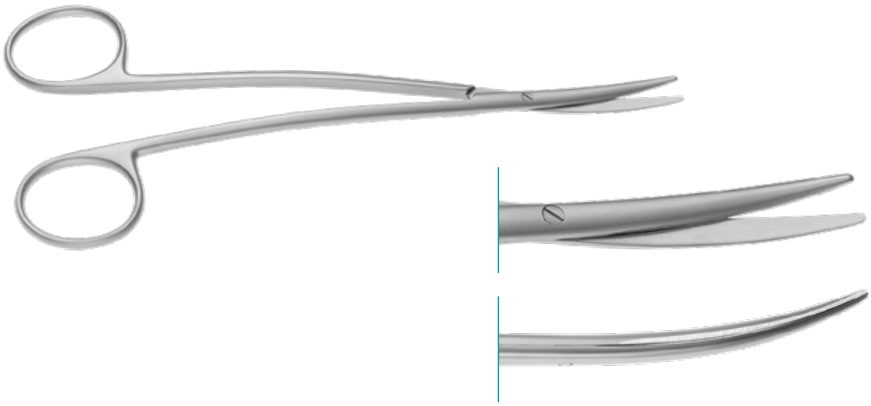


METZENBAUM FINO
straight

145mm, 5 3/4"	120-152-145
180mm, 7"	120-152-180
200mm, 8"	120-152-200
230mm, 9"	120-152-230

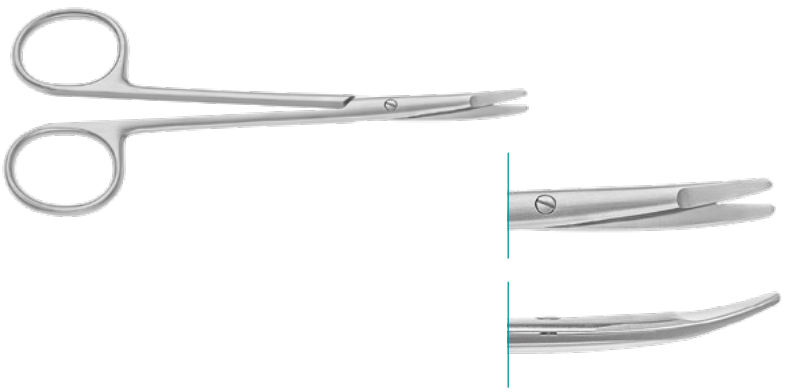
curved

145mm, 5 3/4"	120-153-145
180mm, 7"	120-153-180
200mm, 8"	120-153-200
230mm, 9"	120-153-230



METZENBAUM FINO
s-shaped, blunt

180mm, 7"	120-157-180
200mm, 8"	120-157-200
230mm, 9"	120-157-230



KILNER RAGNELL
curved, blunt

130mm, 5 1/8"	120-065-130
150mm, 6"	120-065-150
180mm, 7"	120-065-180
200mm, 8"	120-065-200
230mm, 9"	120-065-230



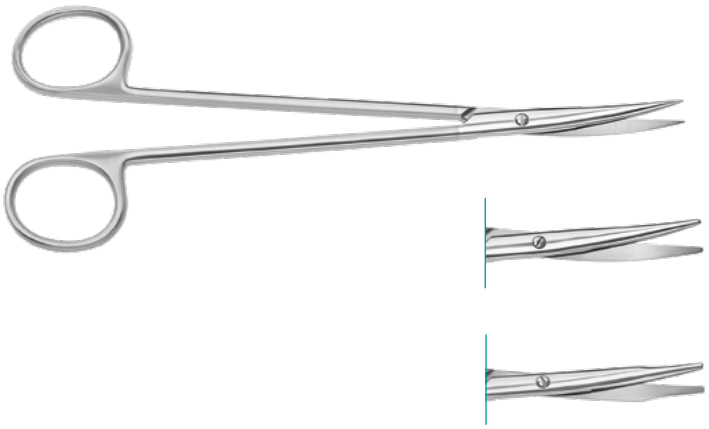
METZENBAUM NELSON

blunt, straight	
180mm, 7″	120-110-180
200mm, 8″	120-110-200
230mm, 9″	120-110-230
250mm, 9 7/8″	120-110-250
280mm, 11″	120-110-280
300mm, 11 7/8″	120-110-300
blunt, curved	
180mm, 7″	120-111-180
200mm, 8″	120-111-200
230mm, 9″	120-111-230
250mm, 9 7/8″	120-111-250
280mm, 11″	120-111-280
300mm, 11 7/8″	120-111-300



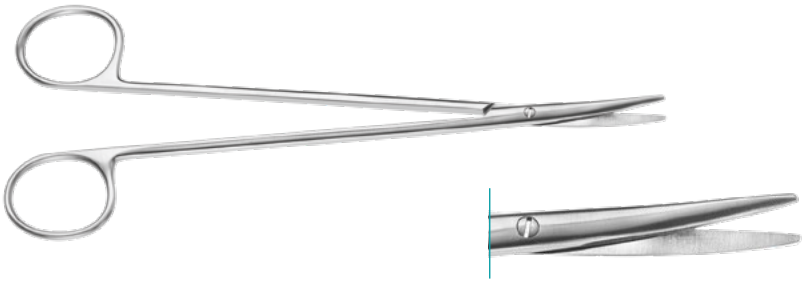
METZENBAUM NELSON

straight, sharp/sharp	
145mm, 5 3/4″	120-114-145
180mm, 7″	120-114-180
200mm, 8″	120-114-200
curved, sharp/sharp	
145mm, 5 3/4″	120-115-145
180mm, 7″	120-115-180
200mm, 8″	120-115-200



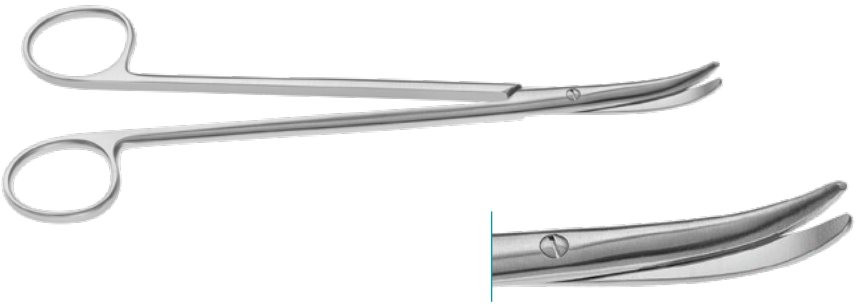
LILLEHEI POTTS

straight, 180mm, 7“	
sharp	125-322-180
blunt	125-326-180
blunt, tenotomy	125-328-180
curved, 180mm, 7“	
sharp	125-323-180
blunt	125-327-180
blunt, tenotomy	125-329-180



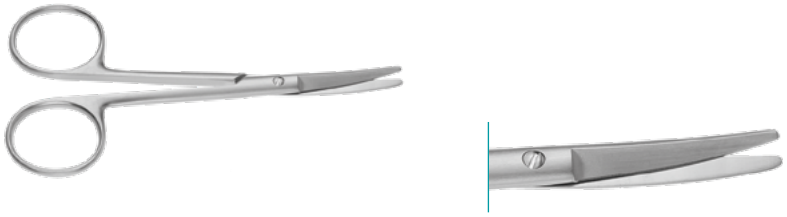
DEBAKEY

Dissecting Scissors, slightly curved	
175mm, $6^{7/8}$“	120-135-175
200mm, 8“	120-135-200



THOREK

Dissecting Scissors	
190mm, $7^{1/2}$“	120-133-190
230mm, 9“	120-133-230



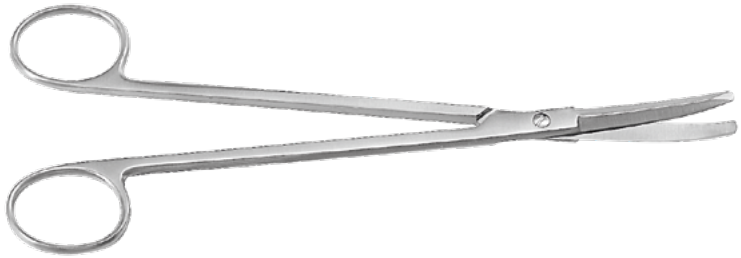
COTTLE MASING
Nasal pastic scissors, curved, 105mm, 4 1/8"

blunt	120-112-110
sharp	120-110-110



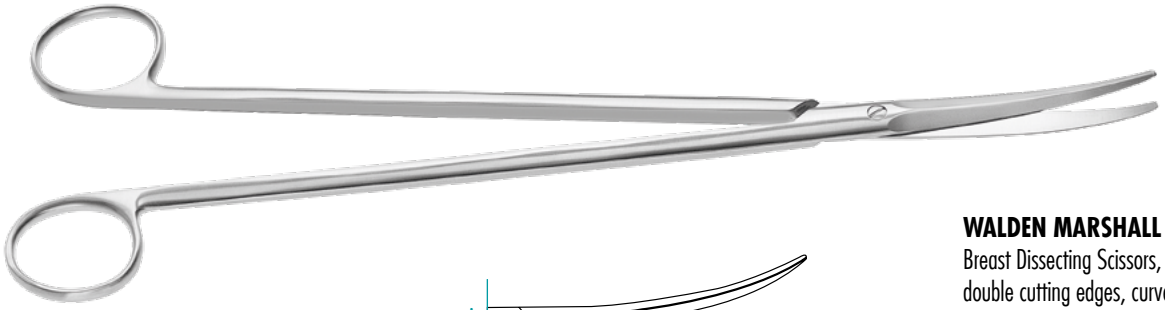
BROWN
Dissecting Scissors, curved

140mm, 5 1/2"	120-048-140



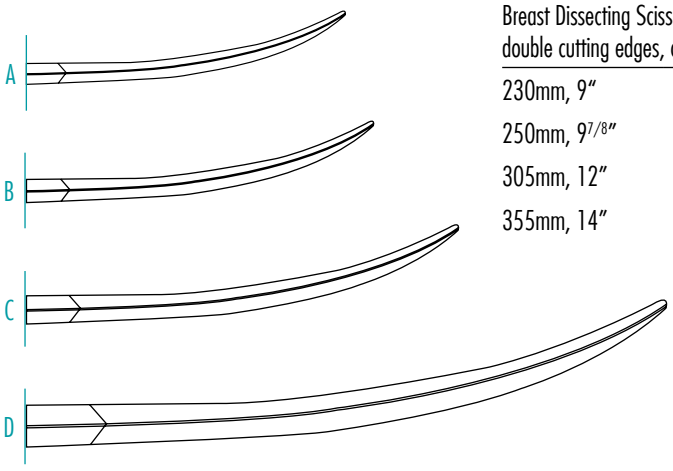
POTTS SMITH
Dissecting Scissors, curved

145mm, 5 3/4"	120-216-145
190mm, 7 1/2"	120-216-190



WALDEN MARSHALL
Breast Dissecting Scissors,
double cutting edges, curved

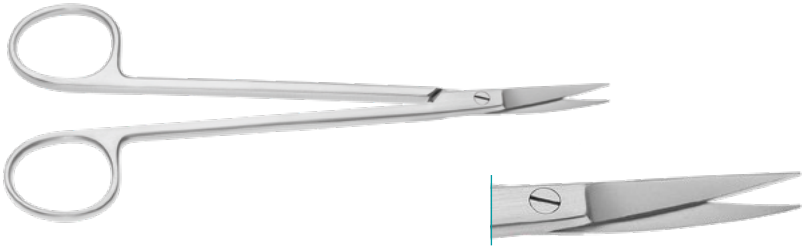
230mm, 9"	120-580-230
250mm, 9 7/8"	120-580-250
305mm, 12"	120-580-305
355mm, 14"	120-580-355





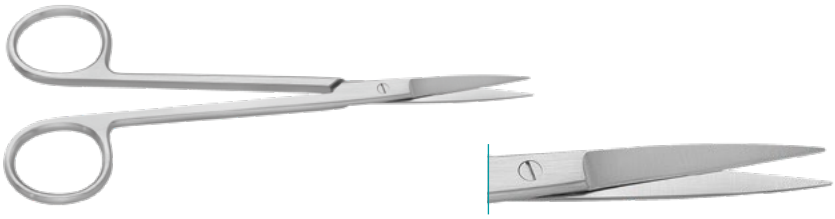
JOSEPH

sharp, 140mm, 5 1/2"	
straight	120-058-140
curved	120-059-140



KELLY

160mm, 6 1/4"	
straight	120-046-160
curved	120-047-160
200mm, 8"	
straight	120-046-200
curved	120-047-200



SANVENERO

sharp, 140mm, 5 1/2"	
straight	120-056-140
curved	120-057-140



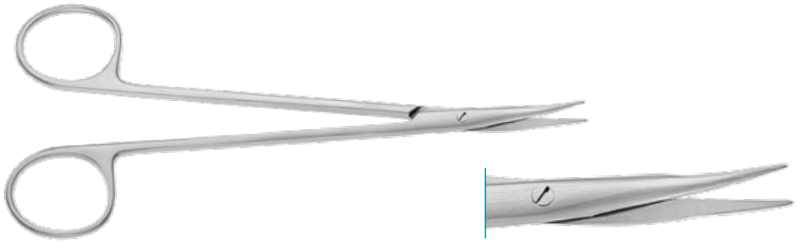
REYNOLDS

curved

150mm, 6"	120-043-150
180mm, 7"	120-043-180

curved, toothed

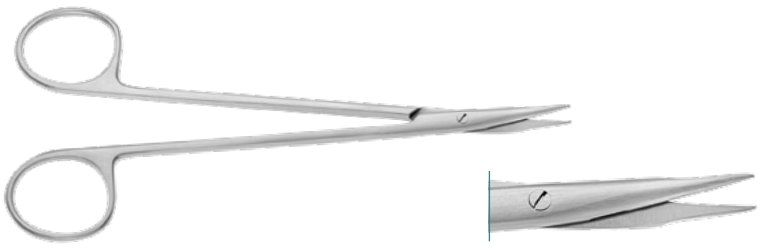
150mm, 6"	120-043-151
180mm, 7"	120-043-181



JAMESON WERBER

curved

130mm, 5 1/8"	120-313-130



JAMESON

curved, blunt

150mm, 6"	120-315-150
180mm, 7"	120-315-180
200mm, 8"	120-315-200
230mm, 9"	120-315-230



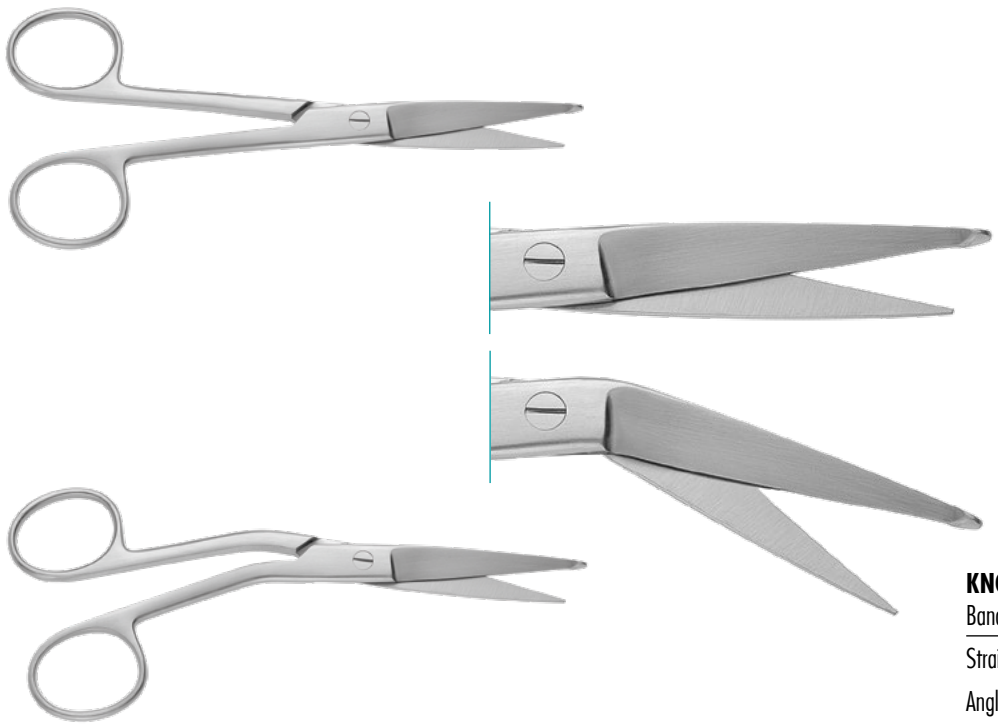
LISTER
Bandage Scissors

90mm, 3 1/2"	190-165-090
110mm, 4 1/3"	190-165-110
140mm, 5 1/2"	190-165-140
180mm, 7"	190-165-180
200mm, 8"	190-165-200



LISTER
Bandage Scissors with 1 large ring

210mm, 8 1/4"	190-170-210



KNOWLES
Bandage Scissors, 140mm, 5 1/2"

Straight	190-160-140
Angled	190-161-140
Straight, knee bent shanks	190-162-140



UNIVERSAL
small, 140mm, 5 1/2"

black	190-209-151
red	190-209-152
yellow	190-209-153
green	190-209-154



UNIVERSAL
large, 180mm, 7"

blue	190-209-180
black	190-209-181
red	190-209-182
yellow	190-209-183
green	190-209-184
orange	190-209-185









LORENZ
Bandage Scissors, curved

230mm, 9″	190-155-230



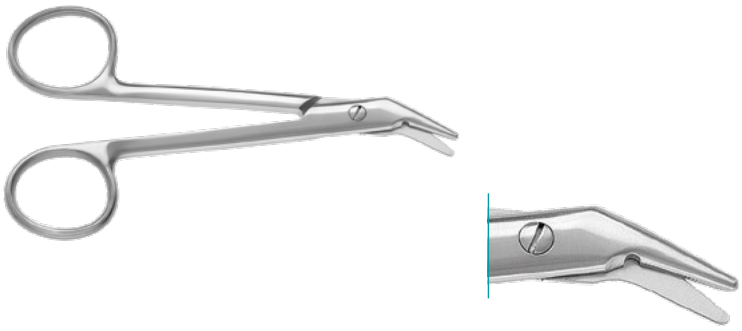
BERGMANN
Plaster Scissors

230mm, 9″	190-195-230



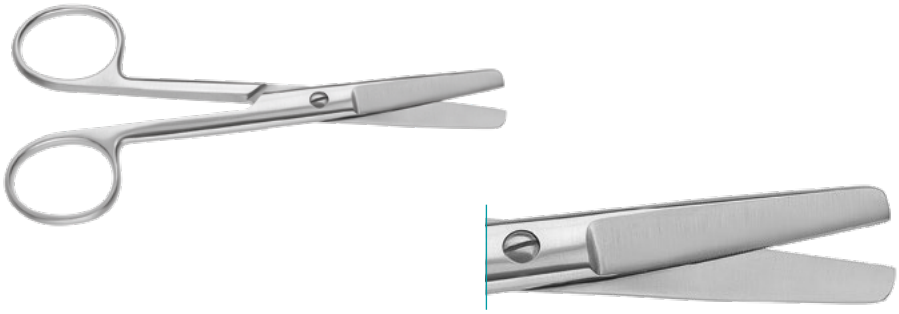
ESMARCH
Plaster Scissors

200mm, 8″	190-205-200
220mm, $8^{2/3}$″	190-205-220



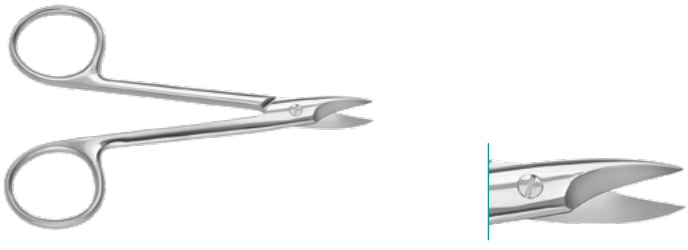
Wire Cutting Scissors, serrated

120mm, 4 3/4"	120-265-120



HARVEY
Wire Cutting Scissors, both serrated blade, straight

125mm, 5"	120-262-125



Crown & Collar Scissors, straight, serrated

100mm, 4"	120-296-100
120mm, 4 3/4"	120-296-120

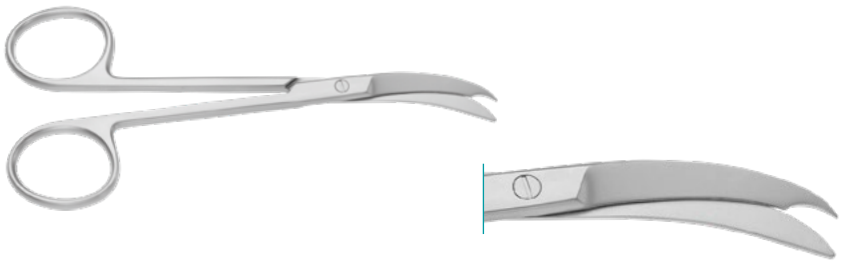
curved

100mm, 4"	120-297-100
120mm, 4 3/4"	120-297-120



SPENCER
Suture Scissors, straight

90mm, 3 1/2"	120-220-090
130mm, 5 1/8"	120-220-130



NORTHBENT
Ligature Scissors, curved

130mm, 5 1/8"	120-222-130



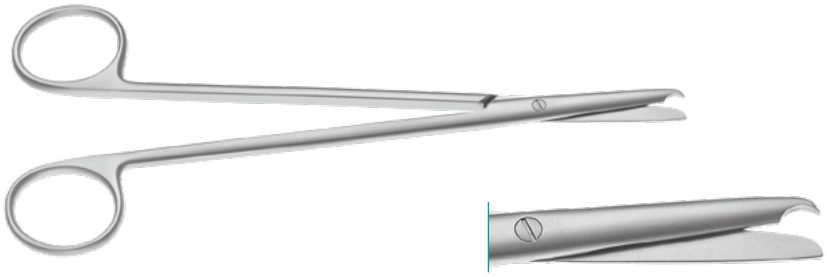
LITTAUER
Ligature Scissors, straight

115mm, 4 1/2"	120-224-115
140mm, 5 1/2"	120-224-140



Stitch Removal Scissors, curved, ribbon handle

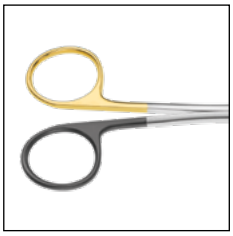
100mm, 4"	120-078-100



BUCK
Ligature Scissors, straight

145mm, 5 3/4"	120-228-145
180mm, 7"	120-228-180





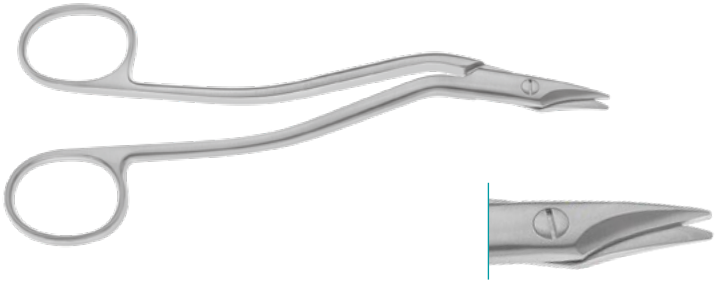
Ligature Scissors, SC, TC inserts, curved, serrated blades

115mm, 4 1/2"	120-611-115
140mm, 5 1/2"	120-611-140
180mm, 7"	120-611-180
230mm, 9"	120-611-230



EISELSBERG
Ligature Scissors

120mm, $4^{3/4}$"	120-230-120



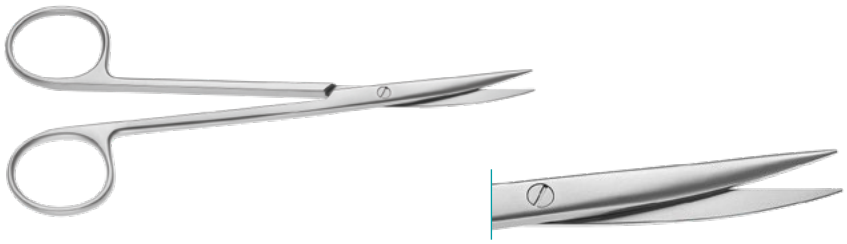
HEATH
Ligature Scissors

160mm, $6^{1/4}$"	120-226-160



NEW'S
Suture Scissors, angled on flat

165mm, $6^{1/2}$"	120-225-165



BROPHY
Gum and Suture Scissors, 140mm, 5 1/2"

straight	120-054-140
curved	120-055-140



LITTLER
Suture Scissors, with hole, slightly curved, sharp

115mm, 4 1/2"	120-061-115



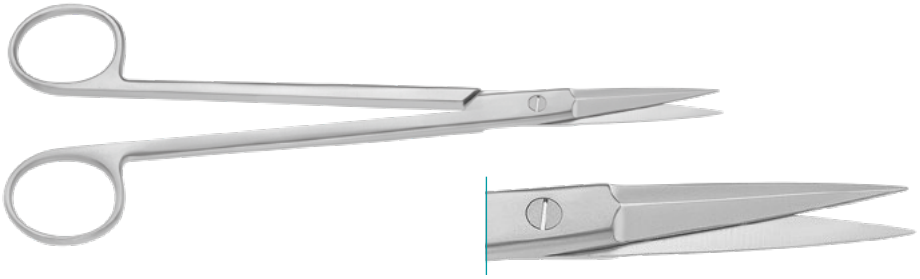
O'BRIEN
Suture Scissors

95mm, 3 3/4"	120-084-095



MARTIN
Cartilage Scissors

200mm, 8″	120-206-200



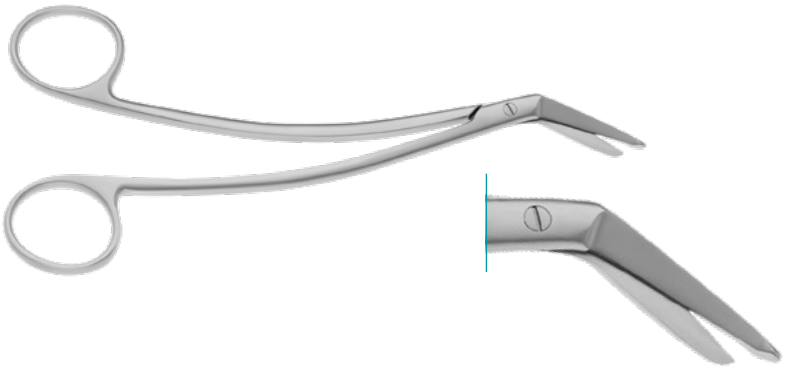
MCINDOE
Cartilage Scissors, straight, sharp/sharp serrated blade, outside cutting blades

185mm, 7 1/4″	120-190-190



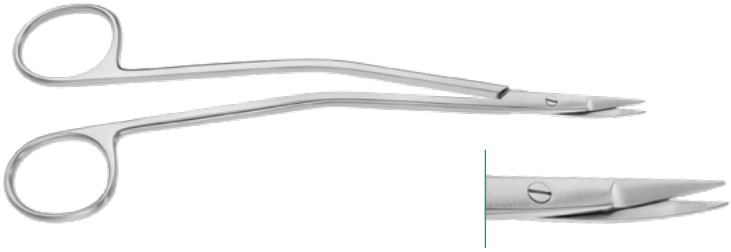
RESANO
Capsule Scissors, angled, sharp/blunt

250mm, 9 7/8″	120-241-250



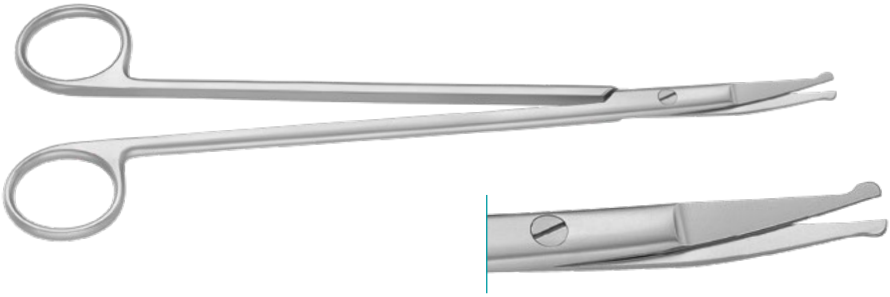
SCHMIEDEN-TAYLOR
Dura Scissors

170mm, 6 2/3"	120-430-170



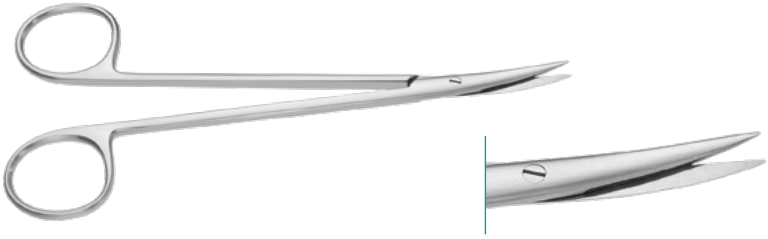
DANDY
Neurosurgical Scissors, s-shape

170mm, 6 2/3"	120-253-170
195mm, 7 3/4"	120-253-195



STRULLY
Neurosurgical Scissors, curved,
220mm, 8 2/3"

with probe point	120-250-220
without probe point	120-251-220



Nerve dissecting Scissors, 150mm, 6"

straight	120-120-150
curved	120-121-150



HOHENFELLER
S-Curved

180mm, 7″	120-060-180
210mm, 8 1/4″	120-060-210
240mm, 9 1/2″	120-060-240



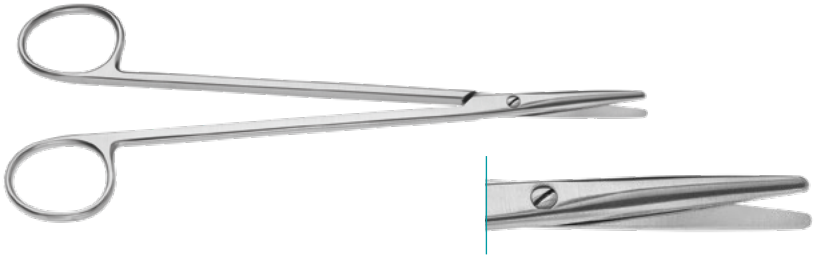
COOLEY
Vascular Scissors, curved

180mm, 7″	120-134-180
230mm, 9″	120-134-230



SATINSKY
Vascular Scissors, s- curved

245mm, 9 2/3″	120-203-245

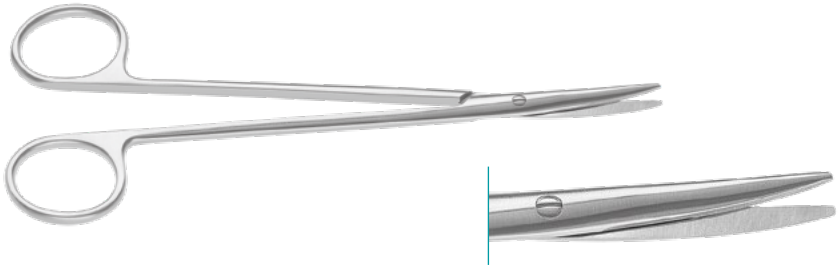


LINCOLN
Vascular Scissors, straight

170mm, 6 2/3″	120-260-170

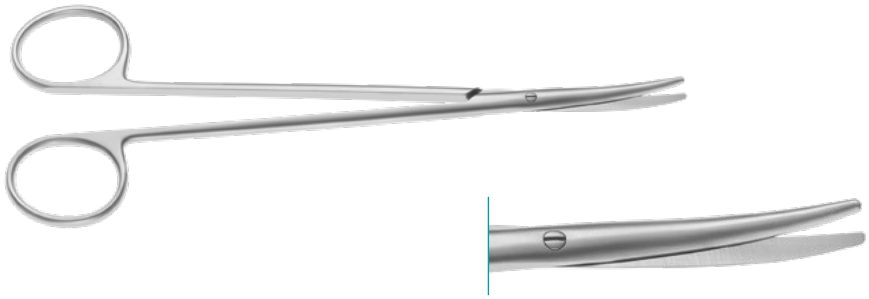
curved

170mm, 6 2/3″	120-261-170



DE MARTEL
Vascular Scissors, 175mm, 6 7/8"

blunt	120-261-175
sharp	120-263-175



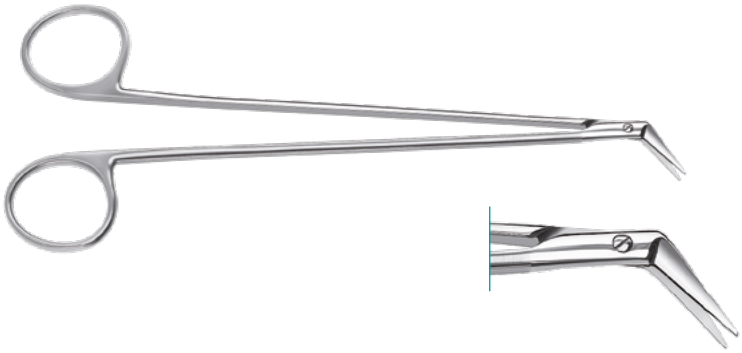
DEBAKEY
Endarterectomy Scissors, 180mm, 7"

slightly curved	120-319-180
strongly curved	120-320-180



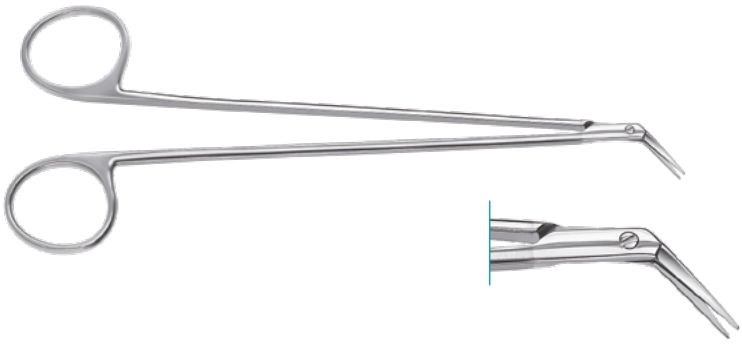
TOENNIS
Vascular Scissors, 180mm, 7"

Straight	120-254-180
Curved	120-255-180



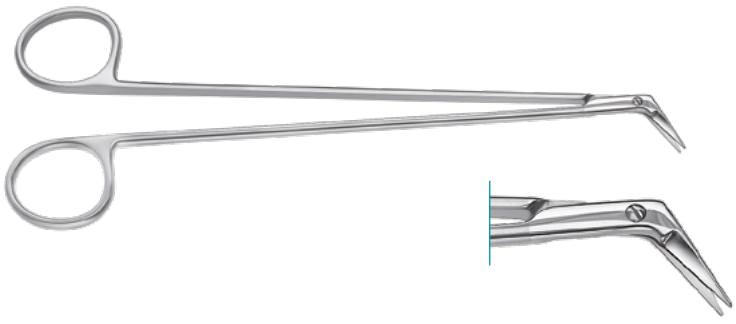
DIETHRICH
delicate, 14mm, 180mm, 7“

25°	125-175-025
45°	125-175-045
60°	125-175-060
90°	125-175-090
125°	125-175-125



DIETHRICH
extra delicate, 14mm, 180mm, 7“

25°	125-170-025
45°	125-170-045
60°	125-170-060
90°	125-170-090
125°	125-170-125



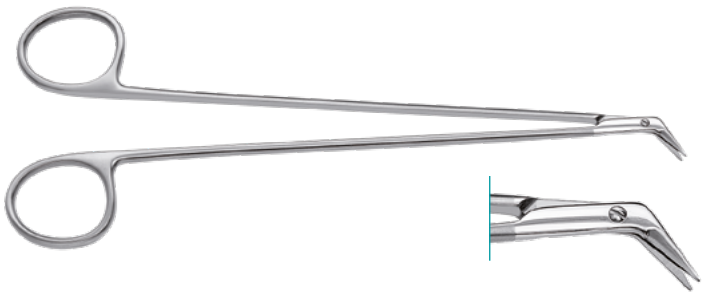
DIETHRICH HEGEMANN
13mm, 180mm, 7“

0°	125-180-000
25°	125-180-025
45°	125-180-045
60°	125-180-060
90°	125-180-090
125°	125-180-125



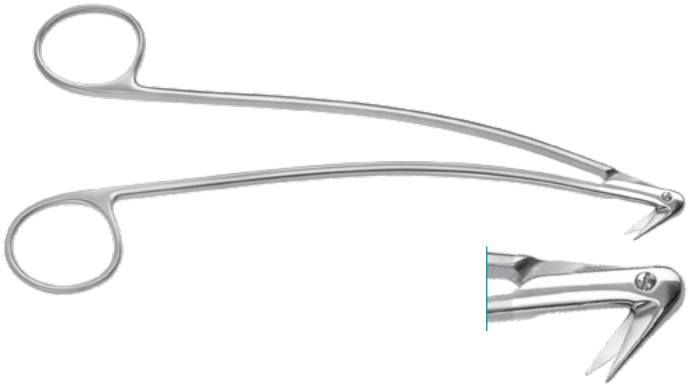
DIETHRICH
Peripheral, 13mm, 130mm, $5^{1/8}$"

25°	125-130-025
45°	125-130-045
60°	125-130-060
90°	125-130-090
125°	125-130-125



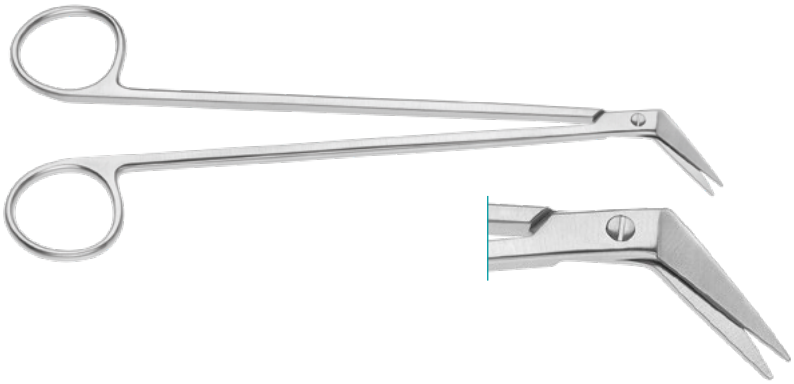
DIETHRICH
9mm, 180mm, 7"

25°	125-178-025
45°	125-178-045
60°	125-178-060
90°	125-178-090
125°	125-178-125



DIETHRICH FAVALORO
13mm, 180mm, 7"

125°	125-185-125



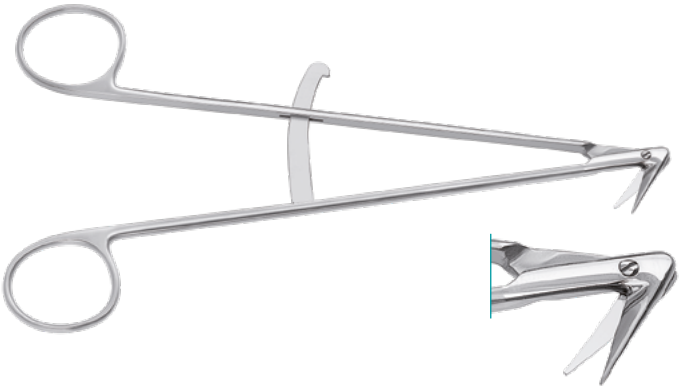
POTTS SMITH
190mm, 7 1/2"

25°	120-181-190
40°	120-182-190
60°	120-183-190



DIETHRICH FAVALORO
9mm, 170mm, 6 3/4"

125°	125-168-025



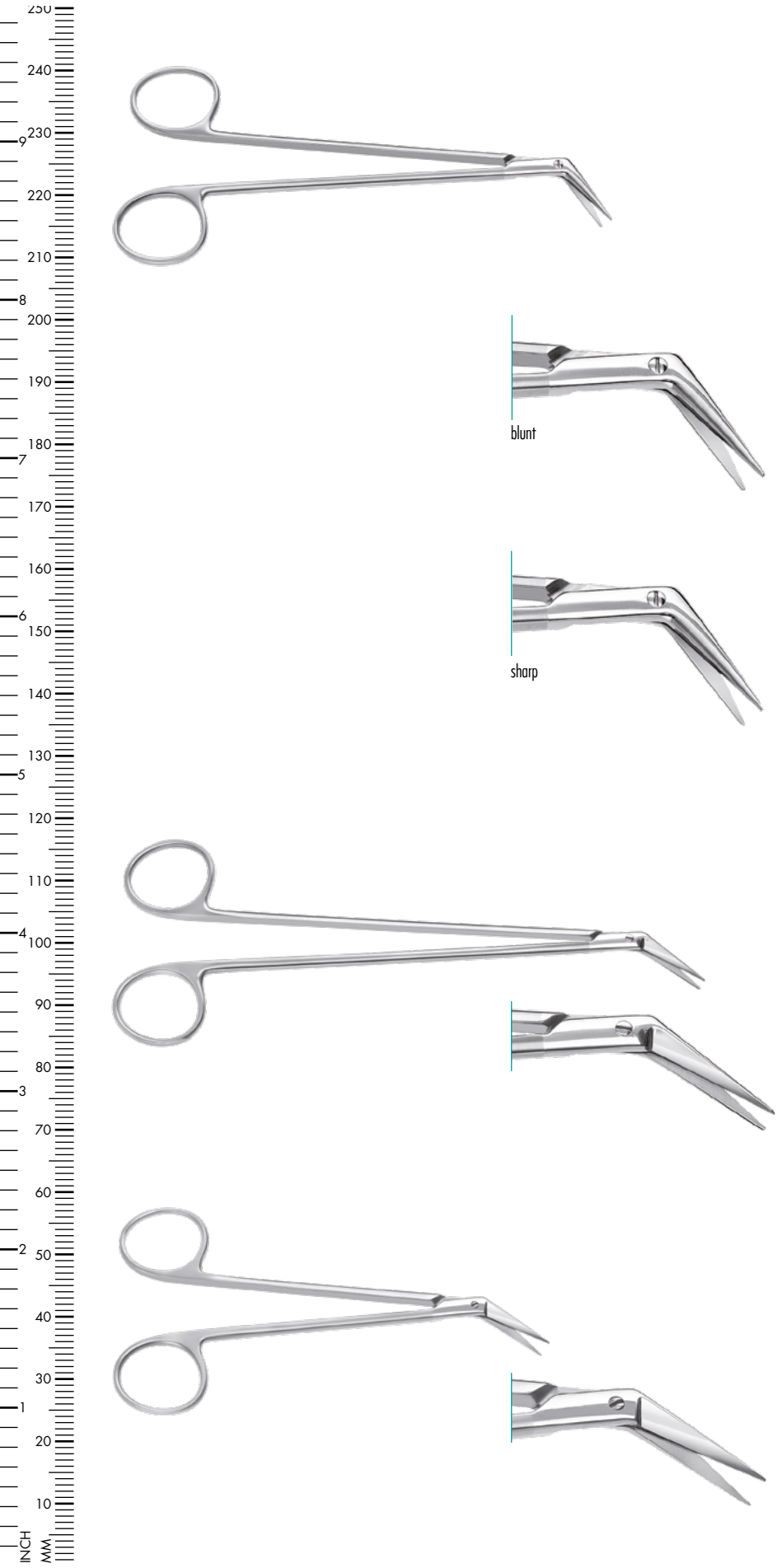
DIETHRICH ARTEY
13mm, 180mm, 7"

125°	125-200-125



BEALL
Circumflex, 150mm, 6"

115°	125-300-115



DIETHRICH

26mm, 160mm, 6 1/4"

25°, blunt tip	125-216-025
25°, sharp tip	125-217-025
45°, blunt tip	125-216-045
45°, sharp tip	125-217-045
60°, blunt tip	125-216-060
60°, sharp tip	125-217-060

225mm, 8 7/8"

25°, blunt tip	125-220-025
25°, sharp tip	125-221-025
45°, blunt tip	125-220-045
45°, sharp tip	125-221-045
60°, blunt tip	125-220-060
60°, sharp tip	125-221-060

280mm, 11"

25°, blunt tip	125-280-025
25°, sharp tip	125-281-025
45°, blunt tip	125-280-045
45°, sharp tip	125-281-045
60°, blunt tip	125-280-060
60°, sharp tip	125-281-060

POTTS SMITH

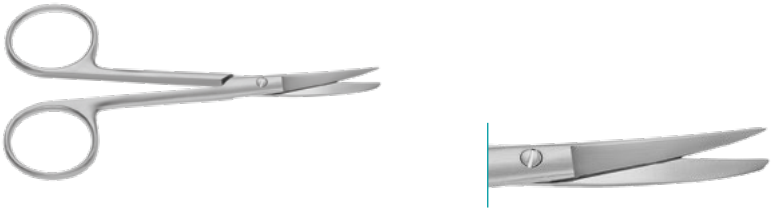
22mm, 190mm, 7 1/2"

25°	125-490-025
45°	125-490-045
60°	125-490-060

POTTS SMITH

22mm, 140mm, 5 1/2"

25°	125-440-025
45°	125-440-045
60°	125-440-060



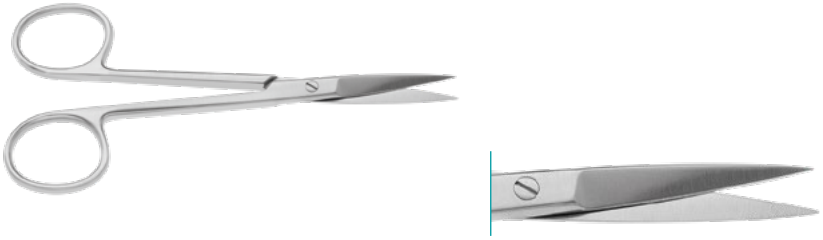
KNAPP

Iris Scissors, 105mm, 4 1/8"

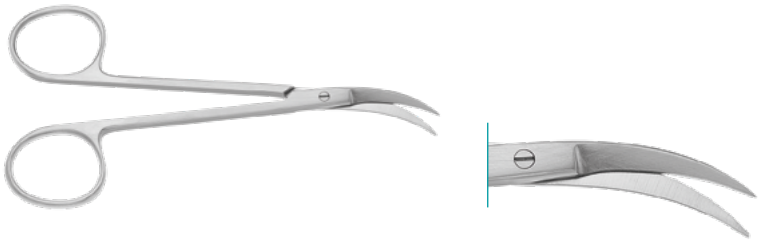
straight	
sharp/sharp	120-174-105
sharp/blunt	120-175-105
blunt/blunt	120-176-105
curved	
sharp/sharp	120-179-105
sharp/blunt	120-178-105
blunt/blunt	120-177-105



Iris Scissors, straight	
90mm, 3 1/2"	120-070-090
105mm, 4 1/8"	120-070-105
115mm, 4 1/2"	120-070-115
curved	
90mm, 3 1/2"	120-071-090
105mm, 4 1/8"	120-071-105
115mm, 4 1/2"	120-071-115

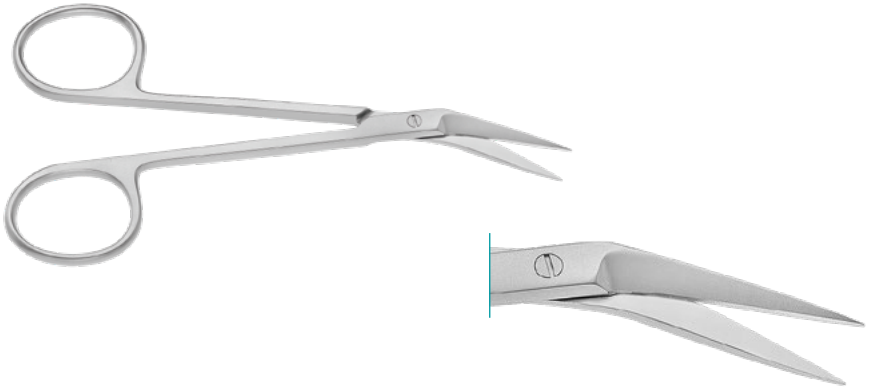


Iris Scissors, square model, 120mm, 4 3/4"	
straight	120-086-120
curved	120-087-120



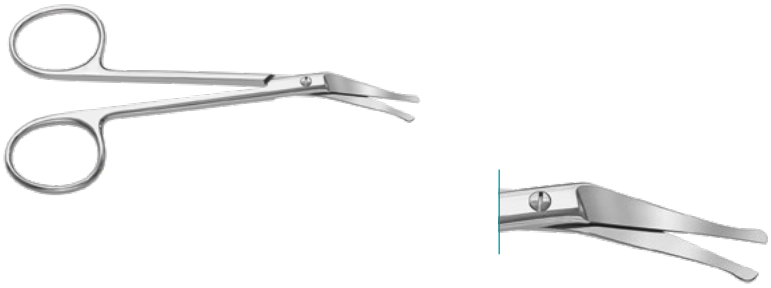
Iris Scissors, sideway curved

115mm, 4 1/2" 120-083-115



Iris Scissors, angled to side

115mm, 4 1/2" 120-085-115



Iris Scissors, angled on side, probe point

115mm, 4 1/2" 120-360-103



WILMER
Utility Scissors, angled on flat

100mm, 4"	120-084-100



Iris Scissors, sharp, large rings, 100mm, 4",

straight	120-082-100
curved	120-083-100



Iris Scissors, 105mm, $4^{1/8}$"

straight	120-080-105
curved	120-081-105

115mm, $4^{1/2}$"

straight	120-080-115
curved	120-081-115

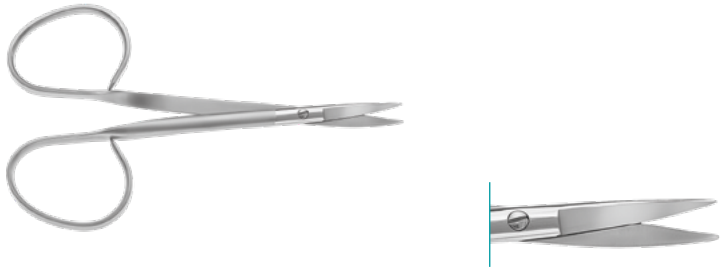


BONN
Iris Scissors, very delicate, 90mm, 3 1/2"
sharp

straight	120-072-080
curved	120-073-080

blunt

straight	120-074-080
curved	120-075-080



Iris Scissors, sharp, ribbon handle,
105mm, 4 1/8"

straight	120-078-105
curved	120-083-105



Iris Scissors, sharp, ribbon handle,
95mm, 3 3/4"

straight	120-080-095
curved	120-081-095





Strabismus Scissors, 115mm, 4 1/2"

straight	120-094-115
curved	120-095-115





KNAPP

Strabismus Scissors, blunt, 105mm, 4 1/8"

straight	400-112-105
curved	400-113-105





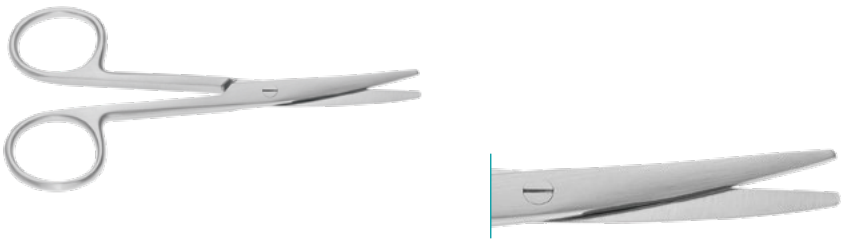
Strabismus Scissors, ribbon handle, 105mm, 4 1/8"

straight	120-094-105
curved	120-095-105



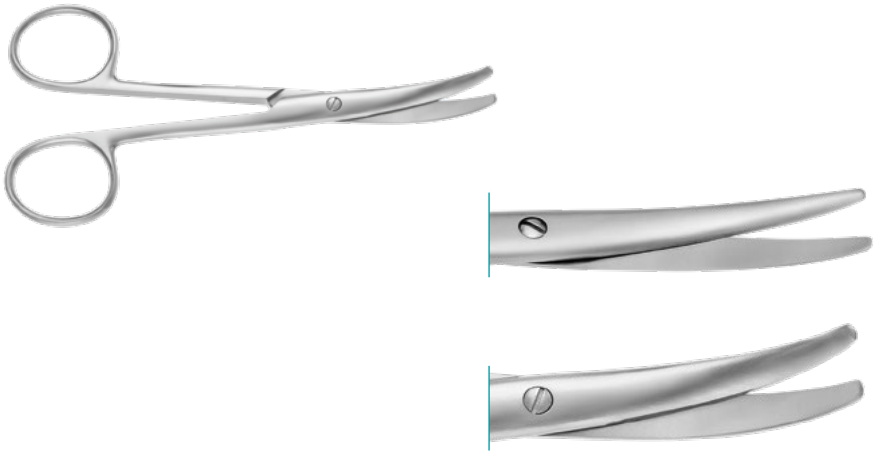
GRADLE WALTON
curved, sharp, ribbon handle

100mm, 4"	120-133-200



Enucleation Scissors, medium curved

110mm, 4 1/3"	120-082-110

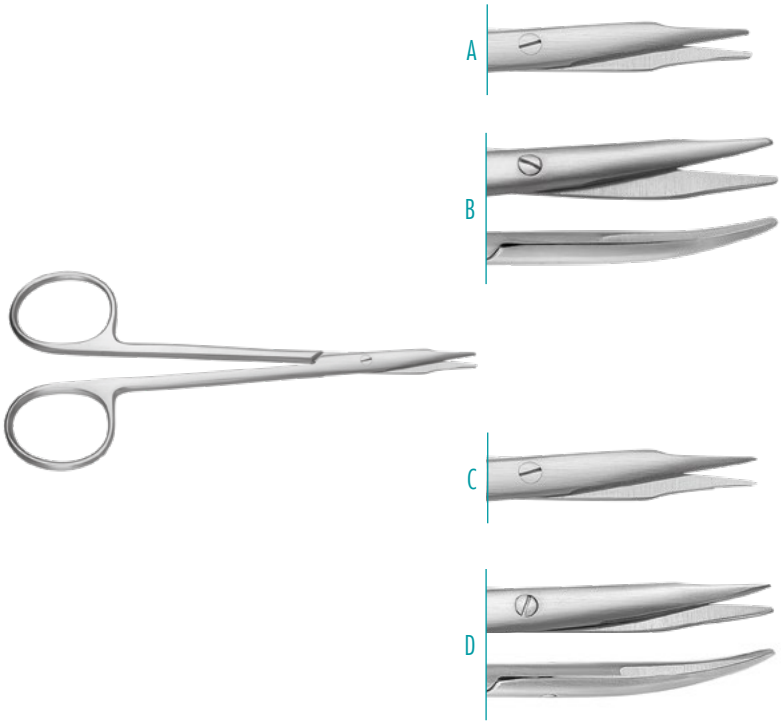


Enucleation Scissors
slightly curved, blunt

130mm, 5 1/8"	400-881-130

strongly curved

130mm, 5 1/8"	400-883-130



STEVENS

A Tenotomy Scissors, ring handle, blunt, straight

105mm, 4 1/8"	120-092-105
115mm, 4 1/2"	120-092-115
125mm, 5"	120-092-125

B blunt, curved

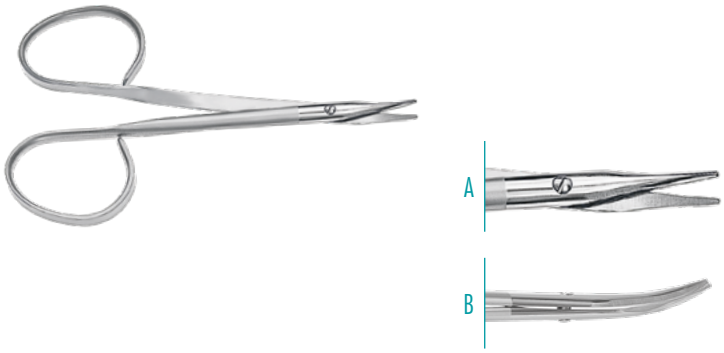
90mm, 3 1/2"	120-093-090
105mm, 4 1/8"	120-093-105
115mm, 4 1/2"	120-093-115
125mm, 5"	120-093-125

C sharp, straight

105mm, 4 1/8"	120-090-105
115mm, 4 1/2"	120-090-115
125mm, 5"	120-090-125

D sharp, curved

105mm, 4 1/8"	120-091-105
115mm, 4 1/2"	120-091-115
125mm, 5"	120-091-125



STEVENS RIBBON

A blunt, straight, ribbon handle

100mm, 4"	120-098-100

B blunt, curved, ribbon handle

100mm, 4"	120-099-100



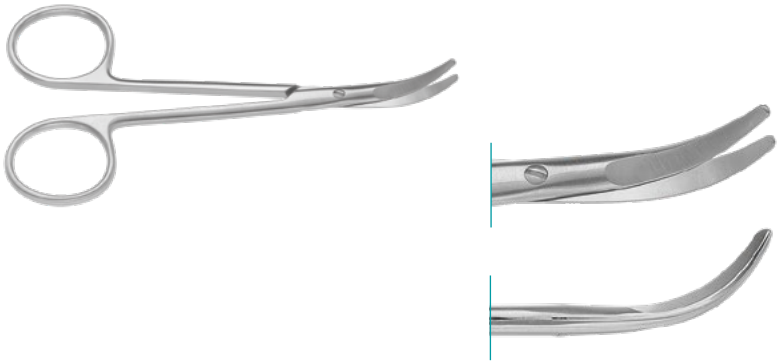
WALTON

Tenotomy Scissors, curved, sharp, ribbon handle

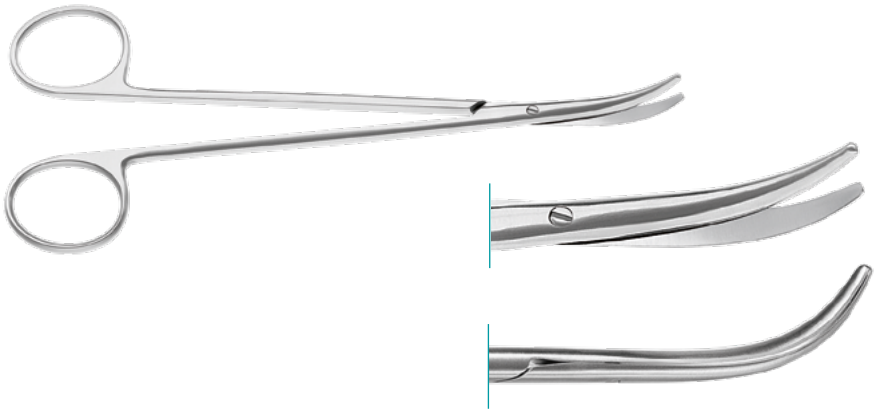
95mm, 3 3/4"	120-091-095



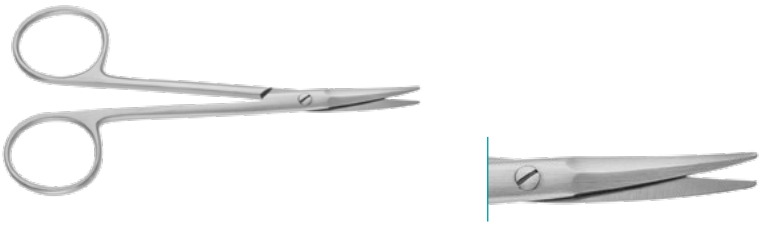
CINELLI
Lower Lateral Nasal Scissors
127mm, 5" 120-338-110



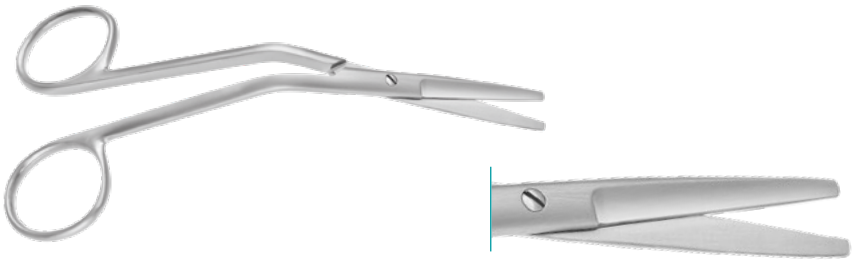
FOMON
Lower Lateral Nasal Scissors
120mm, 4 3/4" 120-339-120



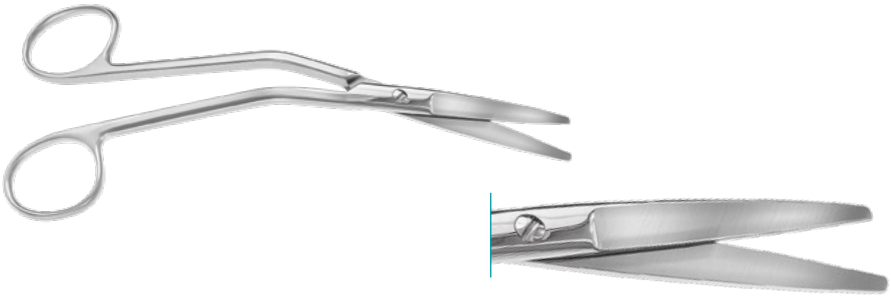
FOMON
Lateral Scissors, fully curved
170mm, 6 2/3" 120-339-170



BEUSE
Nasal Scissors, slightly curved
110mm, 4 1/3" 120-281-110



FOMON
Nasal Scissors, serrated, knee bent
145mm, 5 3/4" 120-280-150



GOLDMAN
Nasal Scissors, knee bent
147mm, 6" 120-356-150



BOETTCHER
Tonsill Scissors, curved
180mm, 7" 120-209-180



COTTLE
Nasal Scissors, knee bent
160mm, 6 1/4" 120-281-160



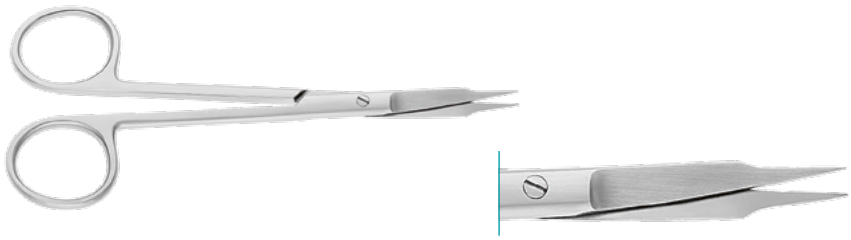
COTTLE
Septum Scissors, serrated blade
175mm, 6 7/8" 420-119-175



SEILER
Nasal Scissors, angled
170mm, 6 2/3" 120-289-170



HEYMAN KNIGHT
Nasal Scissors, knee bent
180mm, 7" 120-283-180

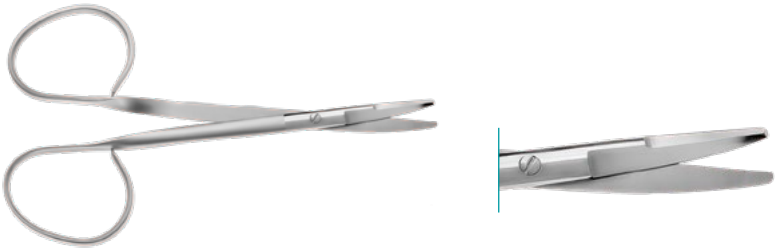


GOLDMAN FOX
Gum Scissors, 1 blade serrated,
straight

130mm, $5^{1/8}$"	120-666-130

curved

130mm, $5^{1/8}$"	120-667-130



KAYE
Blepharoplasty Scissors, ribbon handle,
curved

115mm, $4^{1/2}$"	120-135-115



FOMON
Saber Scissors, curved

135mm, $5^{1/3}$"	120-139-135



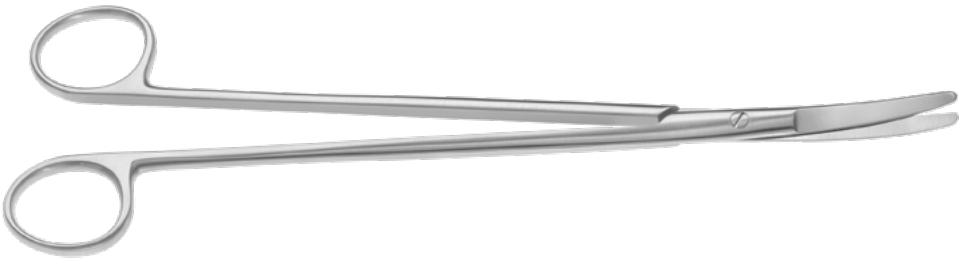
DOYEN

Scissors, 160mm, 6 1/4"

straight	120-040-160
curved	120-041-160

175mm, 6 7/8"

straight	120-040-175
curved	120-041-175



WILLAUER

Scissors, straight

250mm, 9 7/8"	120-214-250
280mm, 11"	120-214-280

curved

250mm, 9 7/8"	120-215-250
280mm, 11"	120-215-280

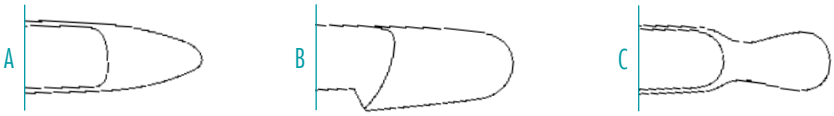


JORGENSEN

Scissors, curved

220mm, 8 2/3"	120-325-220

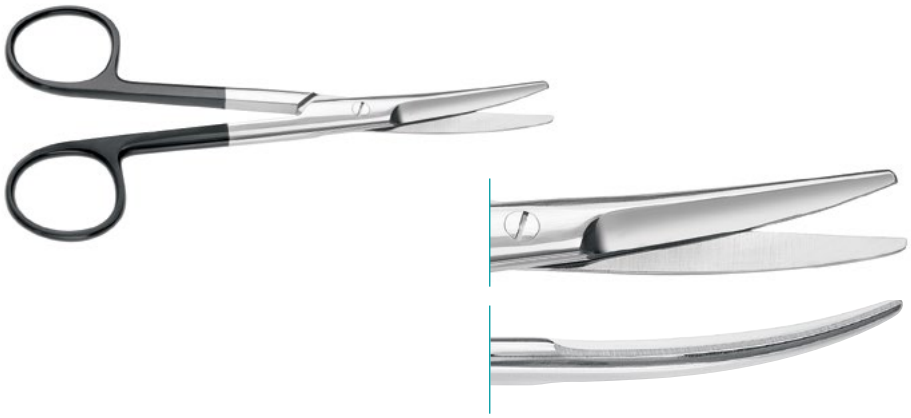




Enterotomy Scissors

210mm, 8 1/4"

A	120-233-210
B	120-234-210
C	120-235-210



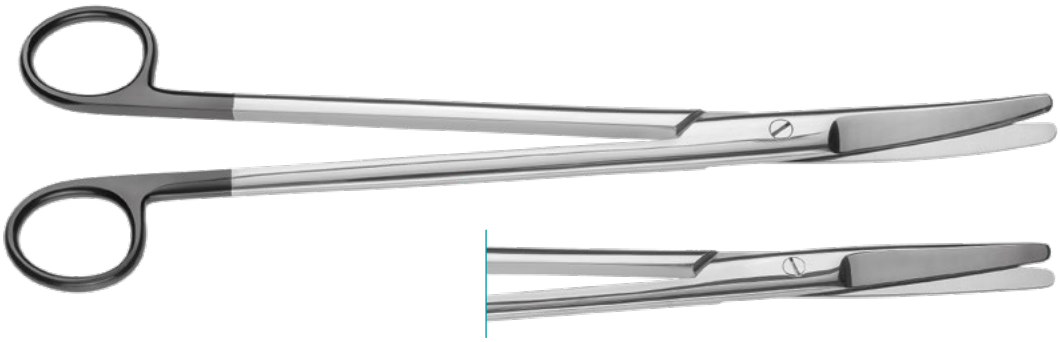
MAYO SC

Surgical Scissors, straight

145mm, 5 3/4"	121-030-145
170mm, 6 2/3"	121-030-170
230mm, 9"	121-030-230

curved

145mm, 5 3/4"	121-031-145
170mm, 6 2/3"	121-031-170
230mm, 9"	121-031-230



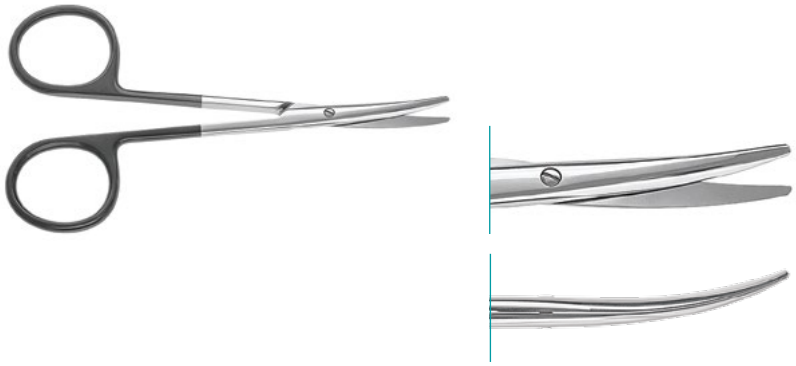
MAYO HARRINGTON SC

curved

280mm, 11"	121-033-280

straight

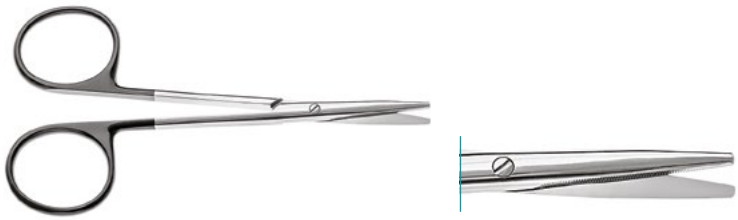
300mm, 11 7/8"	121-032-300



METZENBAUM BABY SC

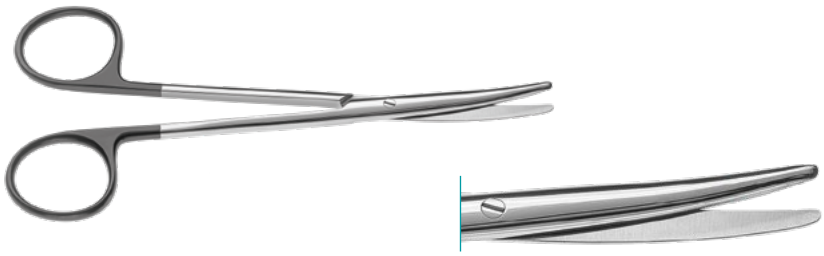
Dissecting Scissors, curved

110mm, 4 1/3"	121-317-110
145mm, 5 3/4"	121-317-145



STRABISMUS SC
Dissecting Scissors, 115mm, 4 1/2″

straight	121-094-115
curved	121-095-115



METZENBAUM SC
145mm, 5 3/4″

straight	121-110-145
curved	121-111-145

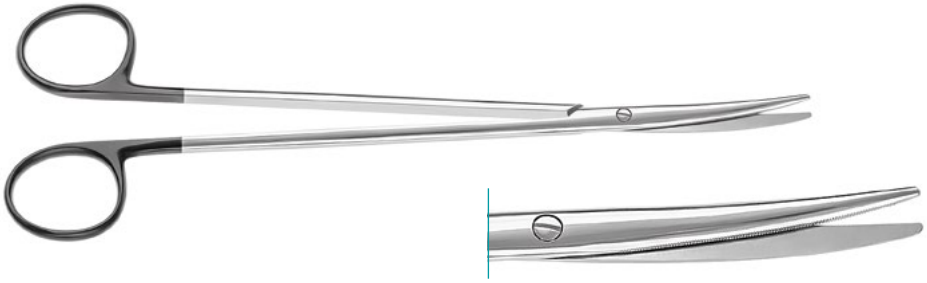


METZENBAUM NELSON SC
curved, blunt

180mm, 7″	121-111-180
200mm, 8″	121-111-200
230mm, 9″	121-111-230
280mm, 11″	121-111-280
300mm, 11 7/8″	121-111-300
355mm, 14″	121-111-355

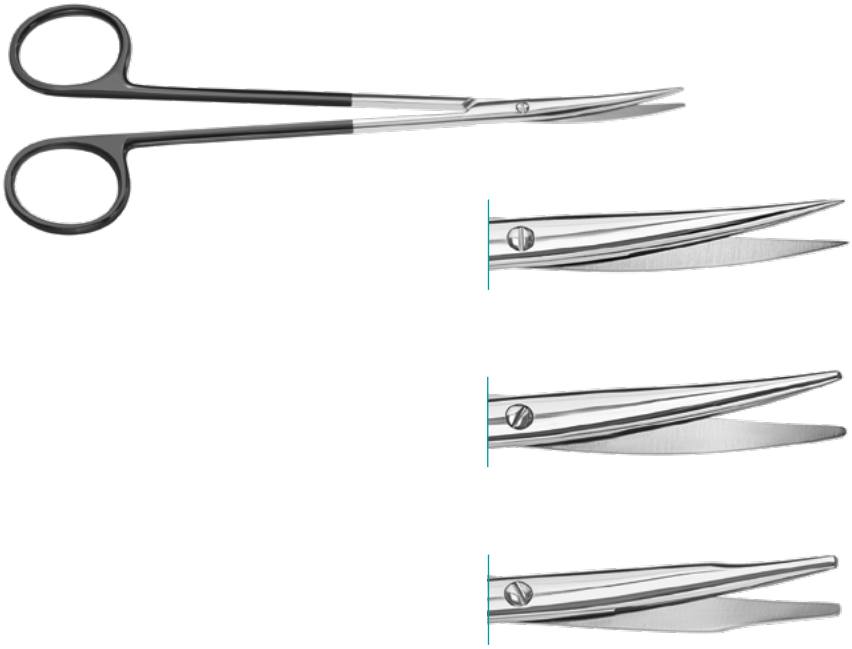
straight

180mm, 7″	121-110-180
200mm, 8″	121-110-200
230mm, 9″	121-110-230
260mm, 11″	121-110-260



METZENBAUM FINO SC
curved, blunt

115mm, 4 1/2"	121-153-115
145mm, 5 3/4"	121-153-145
180mm, 7"	121-153-180
200mm, 8"	121-153-200
230mm, 9"	121-153-230

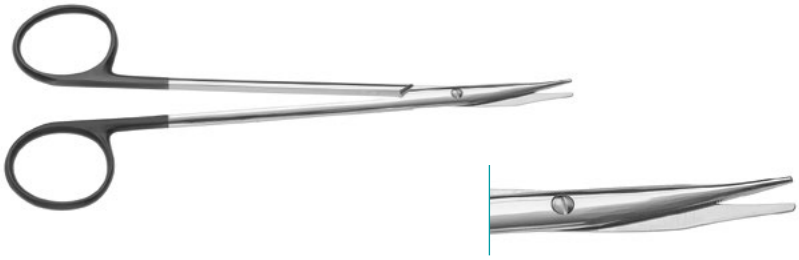


LILLEHEI POTTS SC
curved, 180mm, 7"

sharp	126-312-180
blunt	126-313-180
blunt, tenotomy	126-314-180

curved, 230mm, 9"

sharp	126-312-230
blunt	126-313-230
blunt, tenotomy	126-314-230



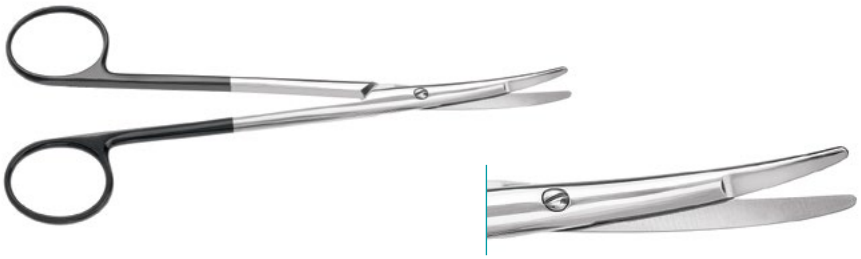
JAMESON SC
curved, blunt

150mm, 6"	121-315-150
180mm, 7"	121-315-180



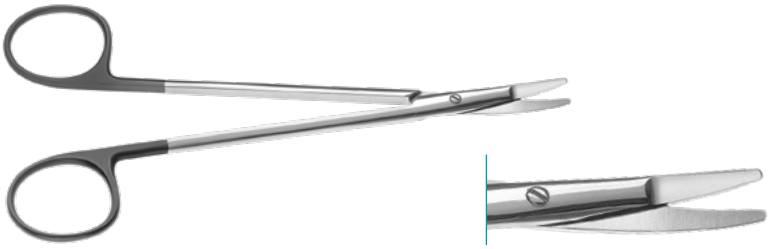
RZ DAVIS SC
curved, sharp

180mm, 7″	121-313-170



RAGNELL KILNER SC
curved, flat, blunt

150mm, 6″	121-332-150
180mm, 7″	121-332-180
200mm, 8″	121-332-200

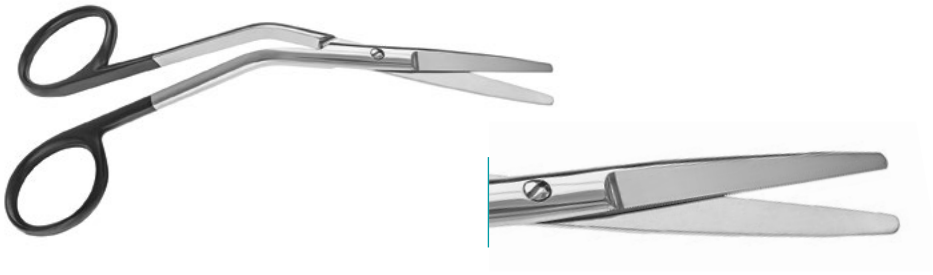


PAR TYPE SC
curved

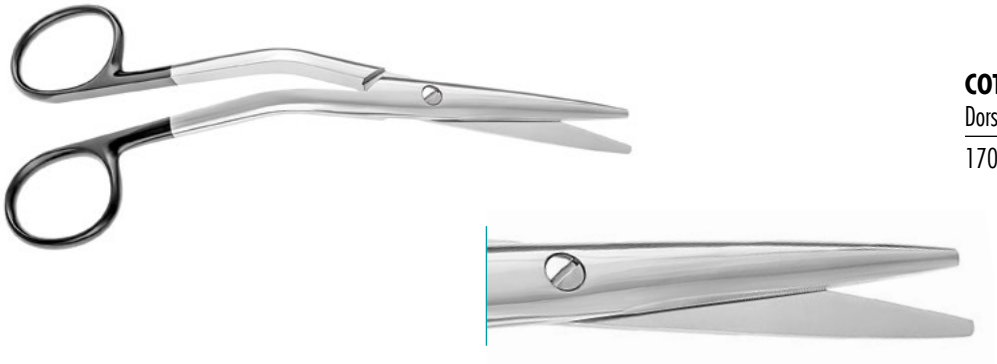
110mm, 4 1/3″	121-331-110
150mm, 6″	121-331-150



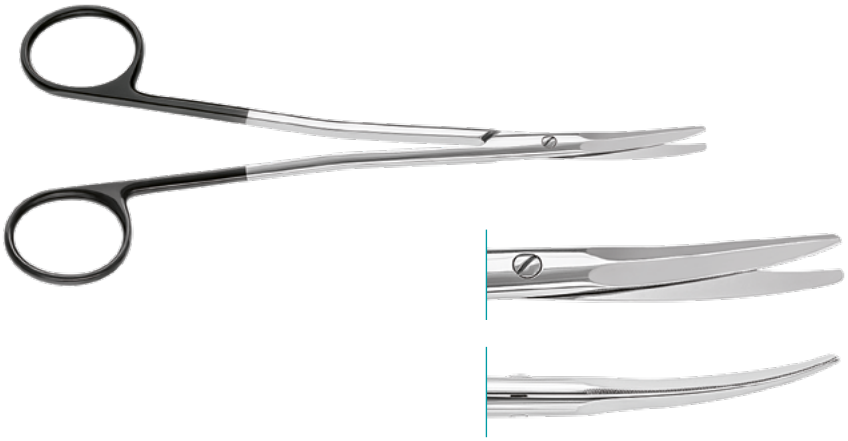
FOMON SC
Lateral Scissors, strongly curved
110mm, $4^{1/3}$" 121-131-110



FOMON SC
Dorsal Scissors, straight, shanks knee bent
145mm, $5^{3/4}$" 121-280-145

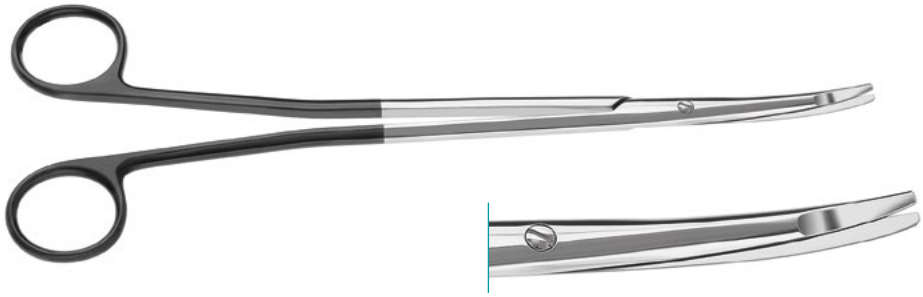


COTTLE SC
Dorsal Scissors, shanks knee bent
170mm, $6^{2/3}$" 121-290-165



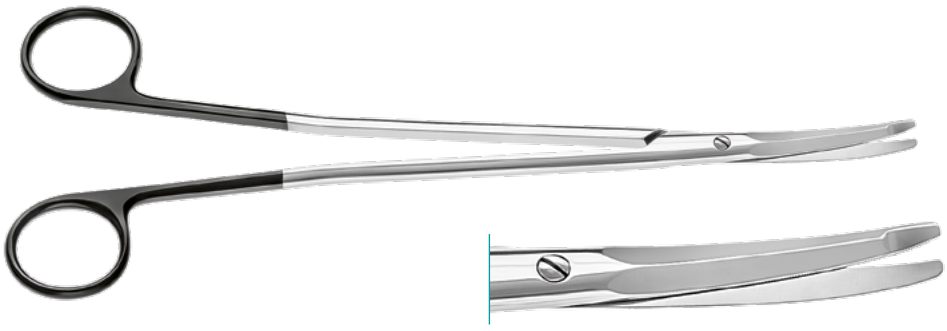
KAYE FREEMAN SC
Facelift Scissors, flat tip, splayed shanks
180mm, 7″

straight	121-328-180
curved	121-329-180



METZENBAUM FREEMAN SC
Rhytidectomy Scissors, flat tip, splayed shanks
curved

180mm, 7″	121-211-180
200mm, 8″	121-211-200
230mm, 9″	121-211-230



GOURNEY FREEMAN SC
Platysma Scissors, flat tip, curved

230mm, 9″	121-345-230

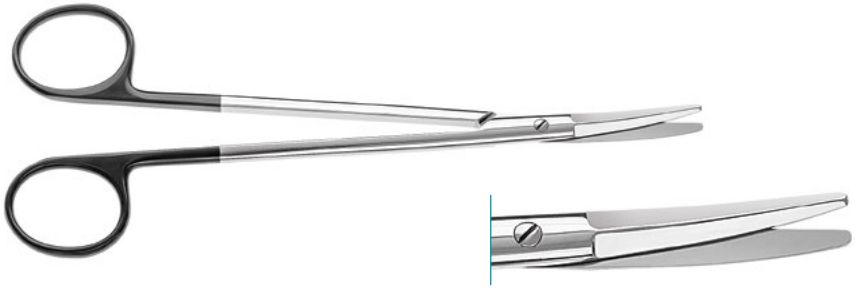


GORNEY SC
Plastic Surgery Scissors, straight

190mm, 7 1/2"	121-336-190

curved

185mm, 7 1/4"	121-337-185



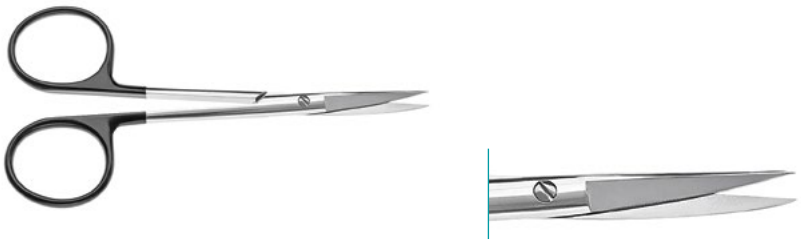
KAYE SC
Facelift Scissors, curved

145mm, 5 3/4"	121-327-145
180mm, 7"	121-327-180



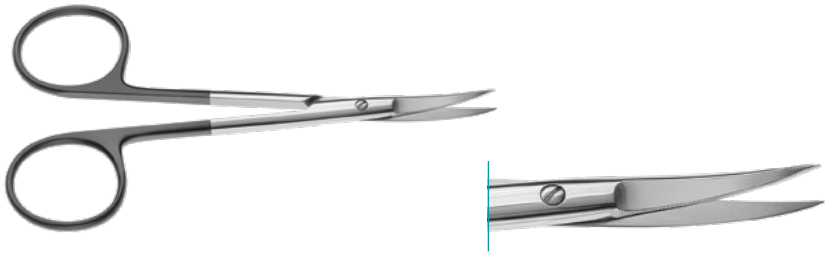
GORNEY FREEMAN SC
Facelift Scissors, flat tip, splayed shanks
190mm, 7 1/2"

straight	121-342-190
curved	121-343-190



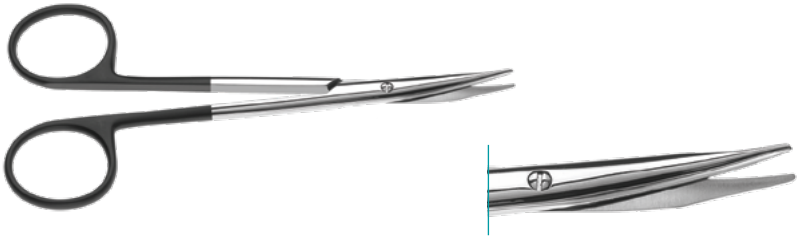
IRIS SC
sharp, 110mm, 4 1/3"

straight	121-070-110
curved	121-071-110



JABALEY SC
curved, with large rings

130mm, 5 1/8"	121-089-130



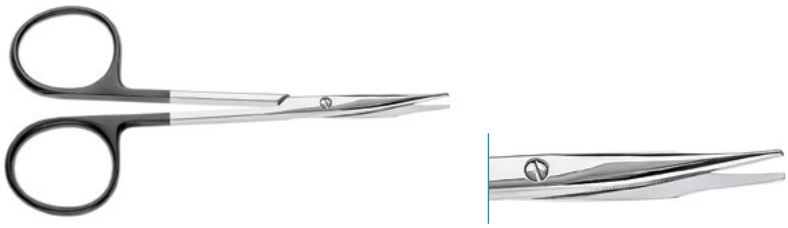
JAMESON WERBER SC
curved

135mm, 5 1/3"	121-313-135



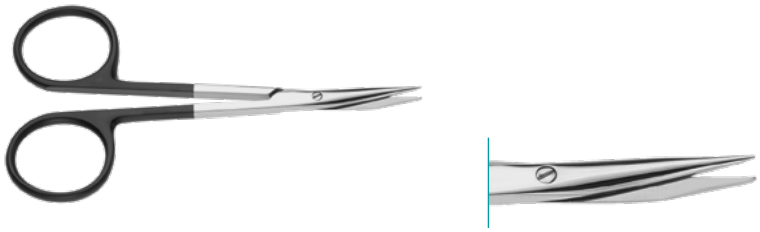
LITTLER SC
with hole, slightly curved, sharp

115mm, 4 1/2″	121-061-115



STEVENS SC
Tenotomy Scissors, square model, blunt, straight

105mm, 4 1/8″	121-196-100
115mm, 4 1/2″	121-196-110
125mm, 5″	121-196-120
curved	
105mm, 4 1/8″	121-197-100
115mm, 4 1/2″	121-197-110
125mm, 5″	121-197-120



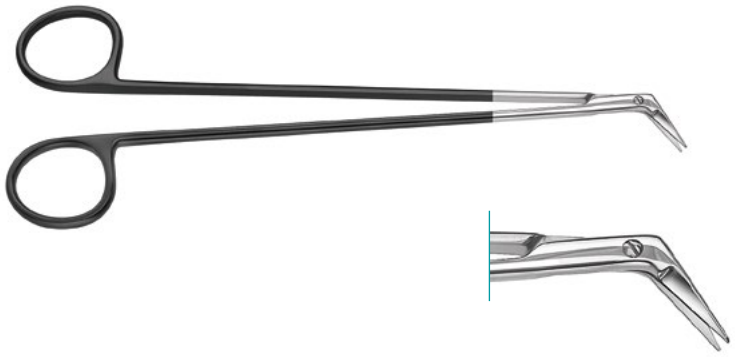
STEVENS SC
curved, sharp/sharp

110mm, 4 1/3″	121-089-110
150mm, 6″	121-089-150



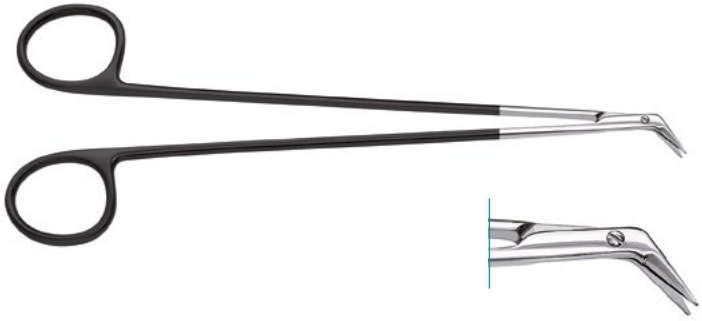
GRADLE SC
sharp, curved

120mm, 4 3/4″	121-134-120



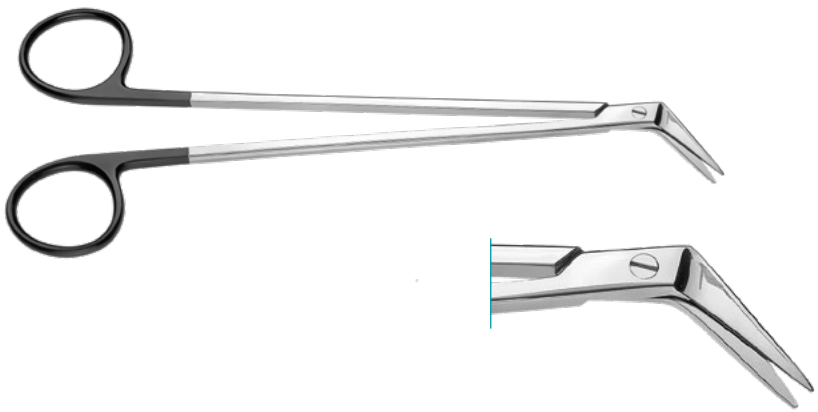
DIETHRICH HEGEMANN SC
Vascular Scissors, 13mm standard blade

130mm, 5 1/8″	
25°	126-130-025
45°	126-130-045
60°	126-130-060
90°	126-130-090
125°	126-130-125
180mm, 7″	
25°	126-180-025
45°	126-180-045
60°	126-180-060
90°	126-180-090
125°	126-180-125



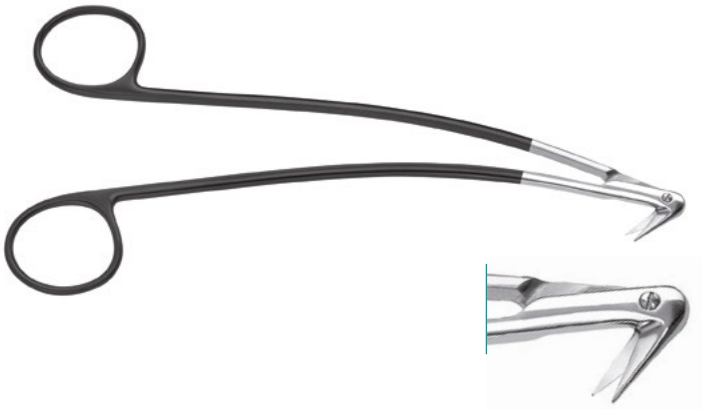
DIETHRICH SC
Vascular Scissors, delicate, 9mm short blades

180mm, 7″	
25°	126-178-025
45°	126-178-045
60°	126-178-060
90°	126-178-090
125°	126-178-125



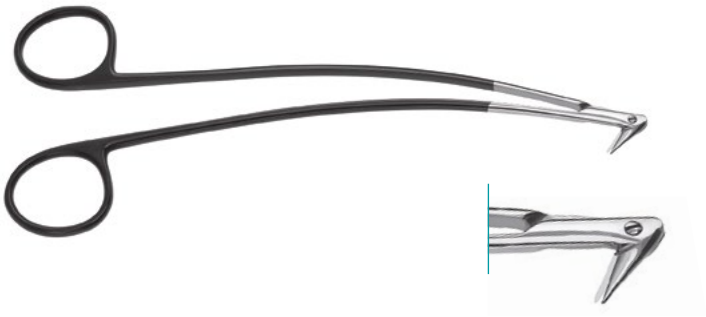
POTTS SMITH SC
Vascular Scissors, 190mm, 7 1/2″

25°	121-183-190
45°	121-182-190
60°	121-181-190
90°	121-184-190
125°	121-185-190



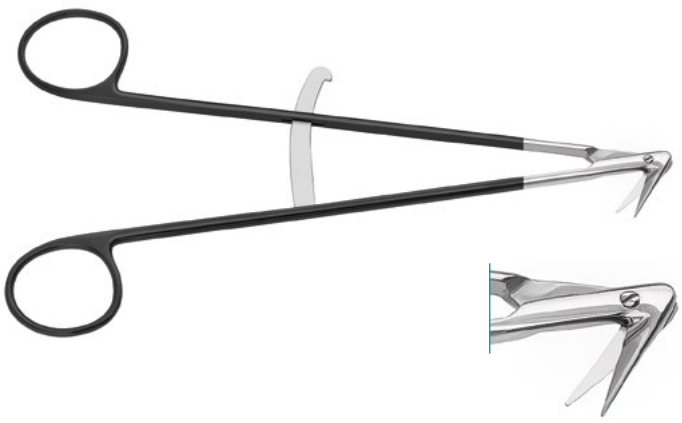
DIETHRICH FAVALORO SC
Vascular Scissors, 13mm standard blades
180mm, 7″

125°	126-185-125



DIETHRICH FAVALORO SC
Vascular Scissors, 9mm short blades
170mm, $6^{2/3}$″

125°	126-168-125



DIETHRICH ARTERY SC
Vascular Scissors, 13mm standard blades
with guide
180mm, 7″

125°	126-200-125





Fig. 1



Fig. 2

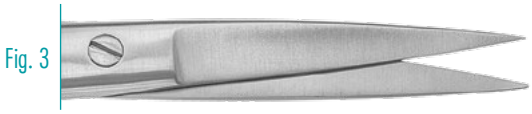


Fig. 3

STANDARD TC

straight, 145mm, 5 3/4"

Fig. 1 (blunt/blunt)	120-500-145

curved, 145mm, 5 3/4"

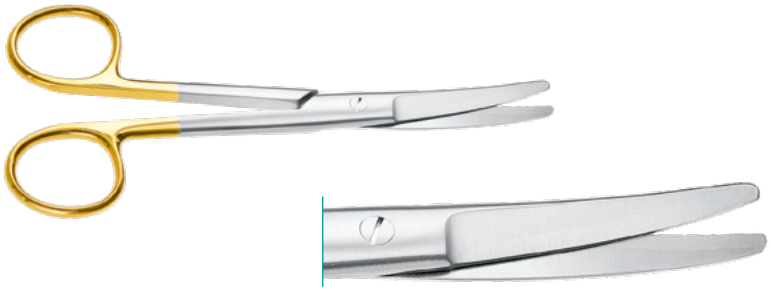
Fig. 1 (blunt/blunt)	120-501-145

straight, 145mm, 5 3/4"

Fig. 2 (sharp/blunt)	120-502-145
Fig. 3 (sharp/sharp)	120-504-145

curved, 145mm, 5 3/4"

Fig. 2 (sharp/blunt)	120-503-145
Fig. 3 (sharp/sharp)	120-505-145



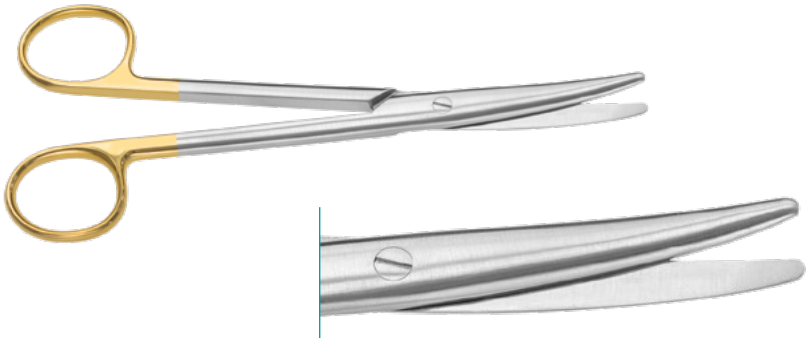
MAYO TC

straight

145mm, 5 3/4"	120-506-145
170mm, 6 2/3"	120-506-170

curved

145mm, 5 3/4"	120-507-145
170mm, 6 2/3"	120-507-170



MAYO STILLE TC

straight

150mm, 6"	120-508-150
170mm, 6 2/3"	120-508-170

curved

150mm, 6"	120-509-150
170mm, 6 2/3"	120-509-170



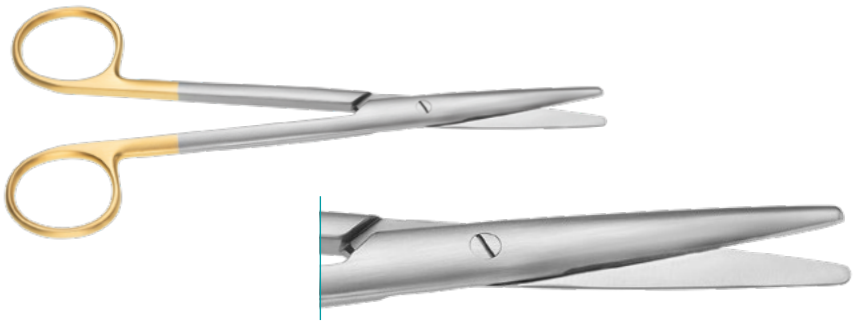
MAYO-HARRINGTON TC

straight

230mm, 9"	120-506-230

curved

230mm, 9"	120-507-230



LEXER TC

straight

160mm, 6 1/4"	120-516-160
210mm, 8 1/4"	120-516-210

curved

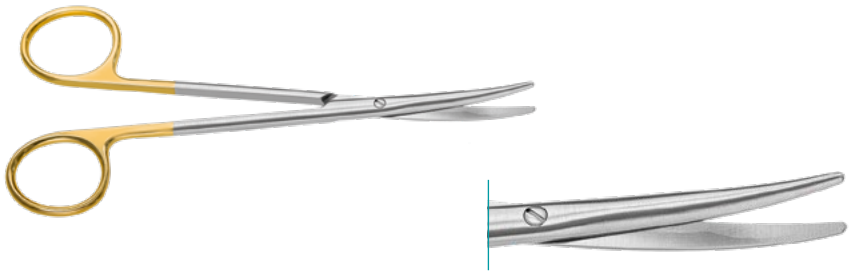
160mm, 6 1/4"	120-517-160
210mm, 8 1/4"	120-517-210



TOENNIS ADSON TC

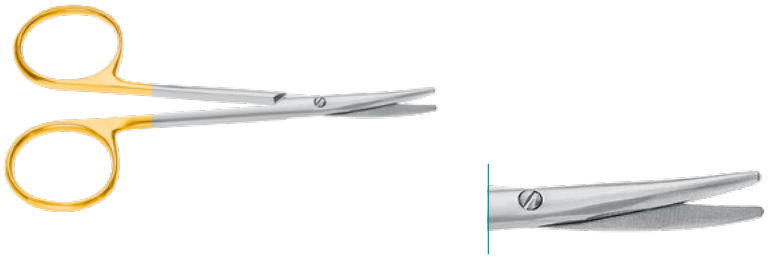
curved

170mm, 6 2/3"	120-531-170



METZENBAUM LAHEY TC
curved, blunt

140mm, 5 1/2"	120-530-140

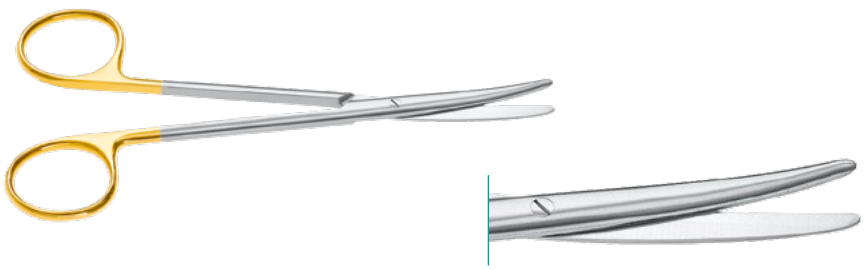


METZENBAUM BABY TC
straight, blunt

115mm, 4 1/2"	120-510-115

curved, blunt

115mm, 4 1/2"	120-511-115

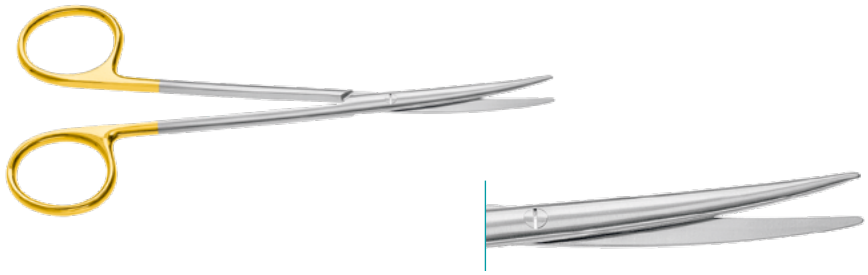


METZENBAUM TC
straight, blunt/blunt

145mm, 5 3/4"	120-510-145
180mm, 7"	120-510-180
200mm, 8"	120-510-200
230mm, 9"	120-510-230

curved

145mm, 5 3/4"	120-511-145
180mm, 7"	120-511-180
200mm, 8"	120-511-200
230mm, 9"	120-511-230



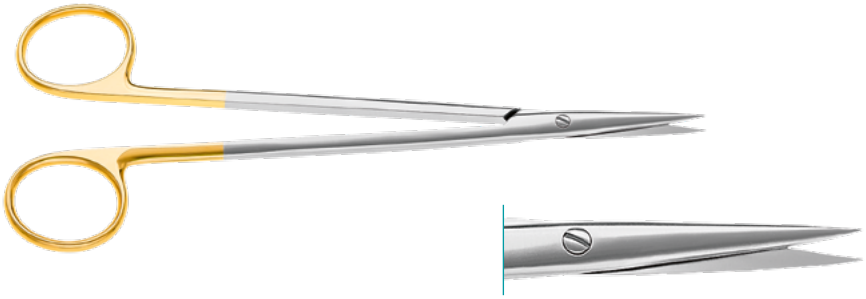
METZENBAUM FINO TC

straight, blunt/blunt

145mm, 5 3/4"	120-520-145
180mm, 7"	120-520-180
200mm, 8"	120-520-200
230mm, 9"	120-520-230

curved, blunt/blunt

145mm, 5 3/4"	120-521-145
180mm, 7"	120-521-180
200mm, 8"	120-521-200
230mm, 9"	120-521-230



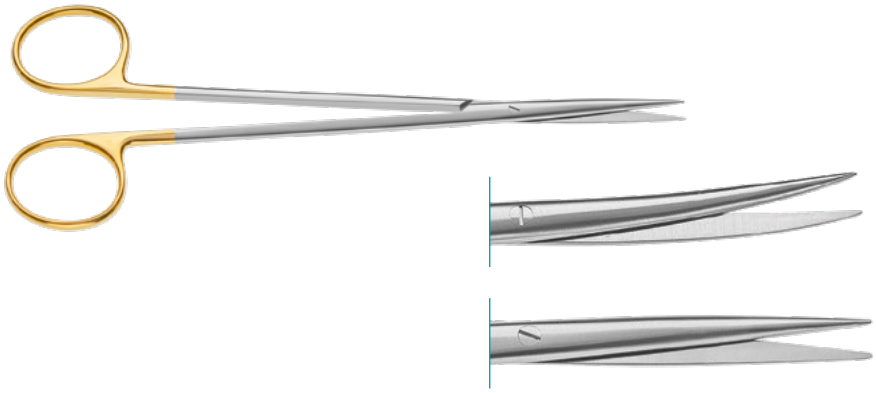
METZENBAUM TC

straight, sharp/sharp

145mm, 5 3/4"	120-514-145
180mm, 7"	120-514-180
200mm, 8"	120-514-200
230mm, 9"	120-514-230

curved, sharp/sharp

145mm, 5 3/4"	120-515-145
180mm, 7"	120-515-180
200mm, 8"	120-515-200
230mm, 9"	120-515-230



METZENBAUM FINO TC

straight, sharp/sharp

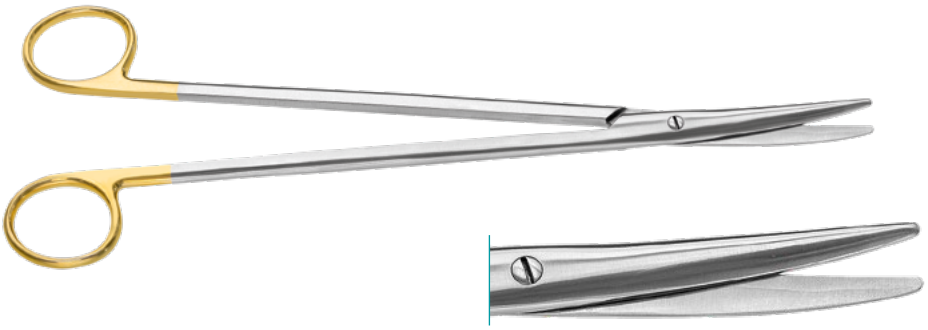
145mm, 5 3/4"	120-522-145
180mm, 7"	120-522-180
200mm, 8"	120-522-200
230mm, 9"	120-522-230

curved, sharp/sharp

145mm, 5 3/4"	120-523-145
180mm, 7"	120-523-180
200mm, 8"	120-523-200
230mm, 9"	120-523-230

s-curved, blunt

180mm, 7"	120-525-180
200mm, 8"	120-525-200



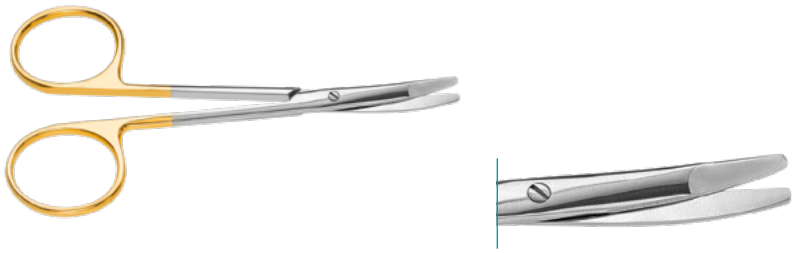
METZENBAUM NELSON TC

straight, Fig.1

250mm, 9 7/8"	120-510-250
280mm, 11"	120-510-280
300mm, 11 7/8"	120-510-300

curved, Fig.1

250mm, 9 7/8"	120-511-250
280mm, 11"	120-511-280
300mm, 11 7/8"	120-511-300
360mm, 14"	120-511-360



RAGNELL TC

Scissors

120mm, 4 3/4"	120-559-120
150mm, 6"	120-559-150
180mm, 7 1/2"	120-559-180



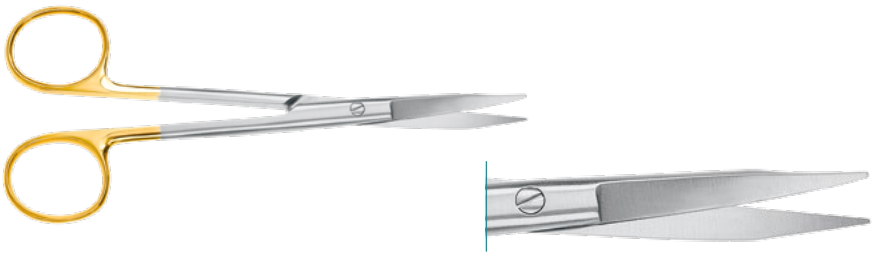
BABY METZENBAUM TC

Strabismus Scissors, straight

115mm, 4 1/2"	120-594-115

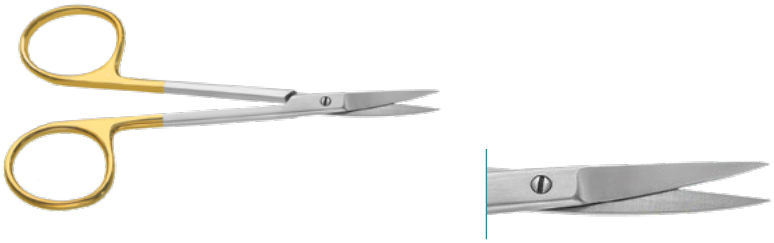
curved

115mm, 4 1/2"	120-595-115



GOLDMAN FOX TC
curved

130mm, 5 1/8"	120-967-130

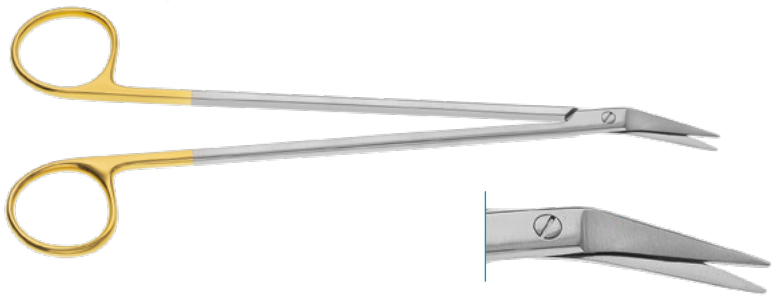


IRIS TC
straight

115mm, 4 1/2"	120-554-115

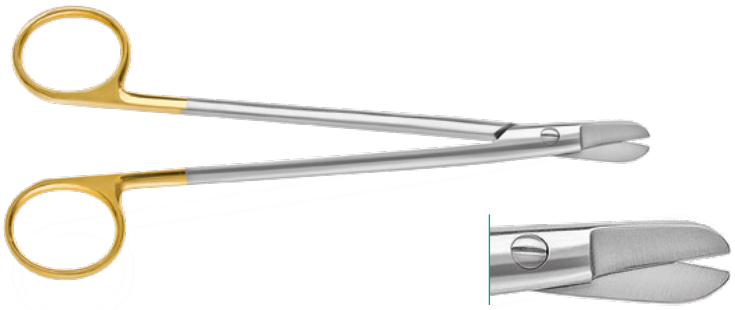
curved

115mm, 4 1/2"	120-555-115



POTTS SMITH TC
Vascular Scissors, 190mm, 7 1/2"

25°	120-581-190
45°	120-582-190
60°	120-583-190
90°	120-584-190

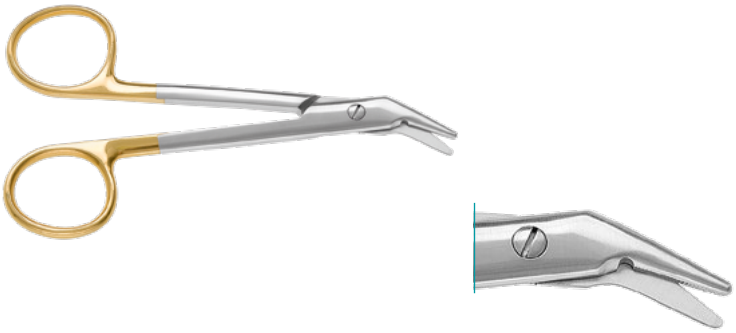


SMITH TC
Wire cutting Scissors, straight

160mm, 6 1/4"	120-570-160

curved

160mm, 6 1/4"	120-571-160



TC Universal Wire Scissors for cutting suture and wire up to 26 gauge and smaller

120mm, 4 3/4"	120-565-120



TC Parametrium Scissors, 230mm, 9"

slightly curved	120-537-002
medium curved	120-537-003
angled	120-537-004

265mm, 10 1/2"

slightly curved	120-536-002
medium curved	120-536-003
angled	120-536-004

305mm, 12"

slightly curved	120-538-002
medium curved	120-538-003
angled	120-538-004



IRIS CERACUT®
115mm, 4 1/2″

straight	123-070-115
curved	123-071-115



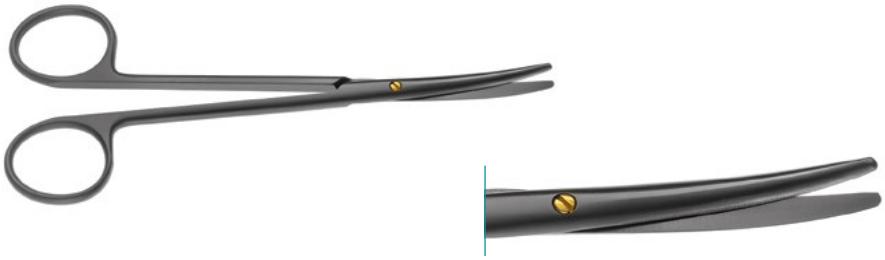
STEVENS CERACUT®
Tenotomy Scissors, curved, blunt

100mm, 4″	123-197-100
120mm, 4 3/4″	123-197-120
150mm, 6″	123-197-150
180mm, 7″	123-092-185
sharp	
110mm, 4 1/3″	123-197-110



STEVENS CERACUT®
Dissecting Scissors, straight, square rings
115mm, 4 1/2″

sharp	123-184-115
blunt	123-182-115



BABY METZENBAUM CERACUT®
curved

110mm, 4 1/3″	123-317-110
145mm, 5 3/4″	123-317-145



METZENBAUM NELSON CERACUT®
curved

145mm, 5 3/4"	123-111-145
180mm, 7"	123-111-180
200mm, 8"	123-111-200
230mm, 9"	123-111-230



MAYO CERACUT®
straight

145mm, 5 3/4"	123-030-145
170mm, 6 2/3"	123-030-170

curved

145mm, 5 3/4"	123-031-145
170mm, 6 2/3"	123-031-170



MAYO STILLE CERACUT®
170mm, 6 2/3"

straight	123-036-170
curved	123-037-170



MATARASSO TC CERACUT®
Facelift Scissors, curved

170mm, 6 2/3"	123-305-170
200mm, 8"	123-305-200



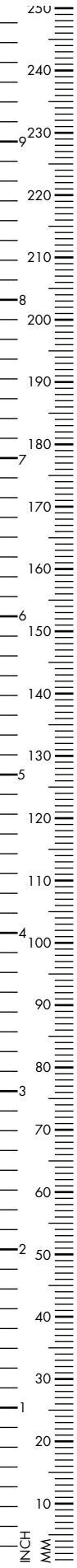
GORNEY CERACUT®
Facelift Scissors, serrated, flat tip
190mm, 7 1/2"

straight	123-584-190
curved	123-585-190



DIETHRICH HEGEMANN CERACUT®
180mm, 7"

45°	123-175-045
60°	123-175-060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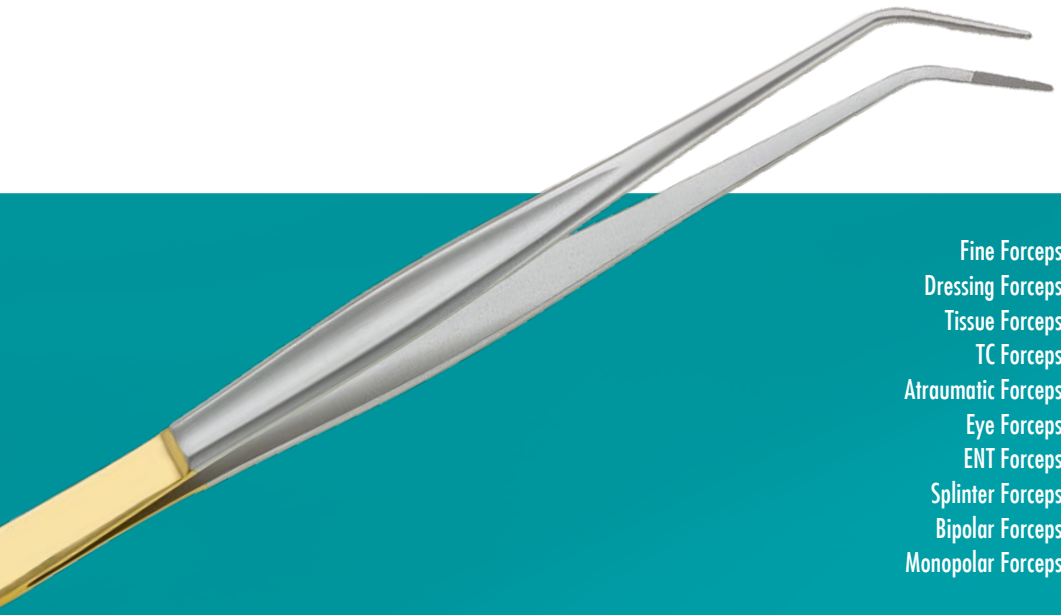
INCH
MM

DRESSING & TISSUE FORCEPS



Fine Forceps
Dressing Forceps
Tissue Forceps
TC Forceps
Atraumatic Forceps
Eye Forceps
ENT Forceps
Splinter Forceps
Bipolar Forceps
Monopolar Forceps

RZ Medizintechnik®
PROGRESS IN SURGERY





Delicate Forceps, smooth, straight

100mm, 4"	130-437-100





Delicate Forceps, smooth, angled

100mm, 4"	130-438-100





Micro Forceps, serrated, 7mm wide handle, straight, tip 0.3mm

130mm, 5 1/8"	251-612-130







BISHOP HARMON
Iris Forceps, 1x 2 teeth, straight,
85mm, 3 1/3"

0.3mm	400-118-003
0.4mm	400-118-004
0.5mm	400-118-005
0.8mm	400-118-008
serrated	
0.5mm	400-018-005
0.8mm, cross-serrated	400-019-008





CASTROVIEJO
Suture Forceps, 1x2 teeth, tying platform,
US handle, 110mm, 4 1/3"

0.12mm tip	400-137-021
0.3mm tip	400-137-031
0.5mm tip	400-137-055
0.9mm tip	400-137-090





CASTROVIEJO
Suture Forceps, Diamond dusted, 1x2 teeth,
tying platform, 0.3mm tip

100mm, 4"	400-137-003

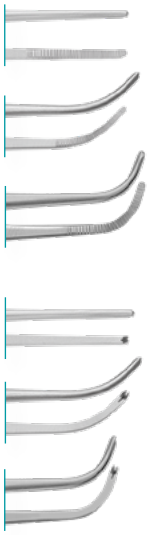




CASTROVIEJO BROWN
Tissue Forceps
9x9 teeth, without platform, US-handle

110mm, 4 1/3"	400-139-050





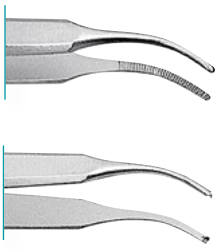
GRAEFE
Dressing Forceps, 100mm, 4"

straight	130-500-100
slightly curved	130-501-100
strongly curved	130-502-100

Tissue Forceps, 1x2 teeth

straight	130-503-100
slightly curved	130-504-100
strongly curved	130-505-100





STEVENS
Dressing Forceps, 105mm, 4 1/8"

slightly curved	130-511-110

Tussue Forceps, 1x2 teeth, 110mm, 4 1/3"

slightly curved	130-513-110



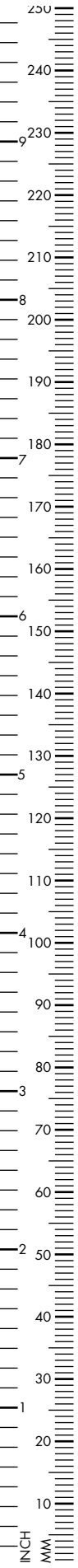
Dressing Forceps, serrated	
105mm, 4 1/8"	130-010-105
115mm, 4 1/2"	130-010-115
130mm, 5 1/8"	130-010-130
145mm, 5 3/4"	130-010-145
150mm, 6"	130-010-150
160mm, 6 1/4"	130-010-160
180mm, 7"	130-010-180
200mm, 8"	130-010-200
230mm, 9"	130-010-230
250mm, 9 7/8"	130-010-250
300mm, 11 7/8"	130-010-300



Dressing Forceps, cross-serrated	
130mm, 5 1/8"	130-011-130
145mm, 5 3/4"	130-011-145
160mm, 6 1/4"	130-011-160



Standard Dressing Forceps, slender, curved	
105mm, 4 1/8"	130-013-105
115mm, 4 1/2"	130-013-115
130mm, 5 1/8"	130-013-130
145m, 5 3/4"	130-013-145





STANDARD

Dressing Forceps, serrated

120mm, 4 3/4"	130-046-120
130mm, 5 1/8"	130-046-130
145mm, 5 3/4"	130-046-145
180mm, 7"	130-046-180
200mm, 8"	130-046-200



STANDARD

Dressing Forceps, delicate tip, serrated

105mm, 4 1/8"	130-012-105
115mm, 4 1/2"	130-012-115
130mm, 5 1/8"	130-012-130
145mm, 5 3/4"	130-012-145
160mm, 6 1/4"	130-012-160
180mm, 7"	130-012-180
200mm, 8"	130-012-200
250mm, 9 7/8"	130-012-250
300mm, 11 7/8"	130-012-300



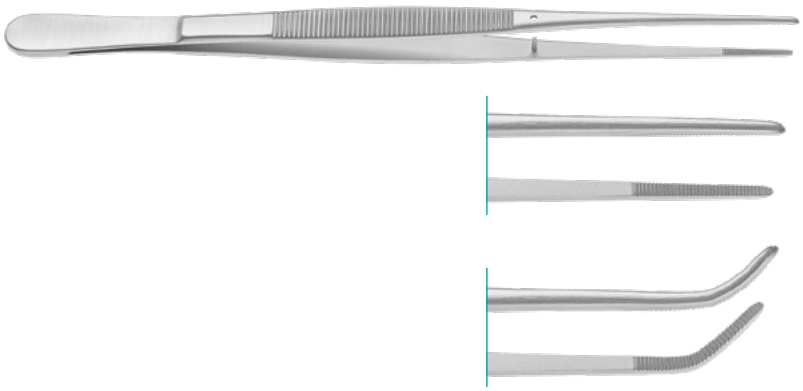
Standard Dressing Forceps, delicate tip, serrated, straight

105mm, 4 1/8"	130-014-105
115mm, 4 1/2"	130-014-115
130mm, 5 1/8"	130-014-130
145mm, 5 3/4"	130-014-145
250mm, 9 7/8"	130-014-250



Standard Dressing Forceps, delicate tip, serrated, curved

105mm, 4 1/8"	130-015-105
115mm, 4 1/2"	130-015-115
130mm, 5 1/8"	130-015-130
145mm, 5 3/4"	130-015-145



POTTS SMITH

Dressing Forceps, straight

180mm, 7"	130-038-180
210mm, 8 1/4"	130-038-210
250mm, 9 7/8"	130-038-250

curved

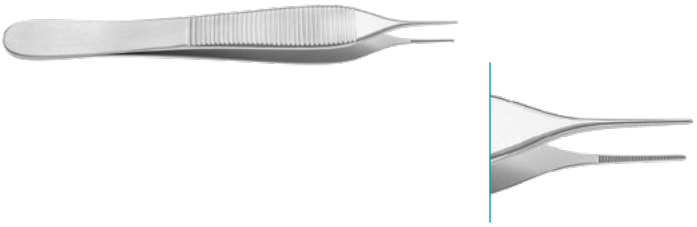
180mm, 7"	130-037-180
210mm, 8 1/4"	130-037-210
250mm, 9 7/8"	130-037-250



EWALD ADSON

Dressing Forceps, 1.5mm tip, serrated

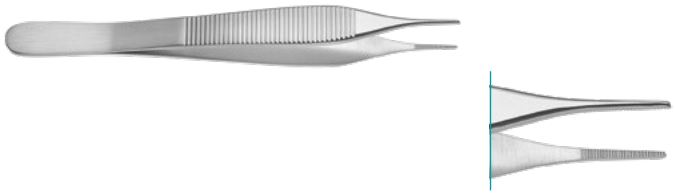
120mm, 4 3/4"	130-021-120



YANG ADSON

Dressing Forceps, serrated, 0.5mm tip

120mm, 4 3/4"	130-540-120



MICRO ADSON
Dressing Forceps, serrated

120mm, 4 3/4"	130-548-120
150mm, 6"	130-548-150



ADSON
Dressing Forceps, smooth

120mm, 4 3/4"	130-025-120



ADSON
Dressing Forceps, serrated

120mm, 4 3/4"	130-026-120
150mm, 6"	130-026-150
180mm, 7"	130-026-180



ADSON
Dressing Forceps, cross-serrated

120mm, 4 3/4"	130-029-120



BROPHY
Dressing Forceps, straight, serrated

200mm, 8"	130-042-200



GERALD
Dressing Forceps, narrow,
1.2mm step-down-tip, serrated

Straight, 180mm, 7"	130-034-180
Straight, 230mm, 9"	130-034-230
Curved, 180mm, 7"	130-035-180
Curved, 230mm, 9"	130-035-230
Bayonet, 190mm, 7 1/2"	130-041-180



GERALD
Diamond Dusted Dressing Forceps, narrow,
1.0mm step-down-tip

180mm, 7"	130-022-180
200mm, 8"	130-022-200



SEMKEN
Dressing Forceps, cross-serrated

125mm, 5"	130-144-125
150mm, 6"	130-144-150



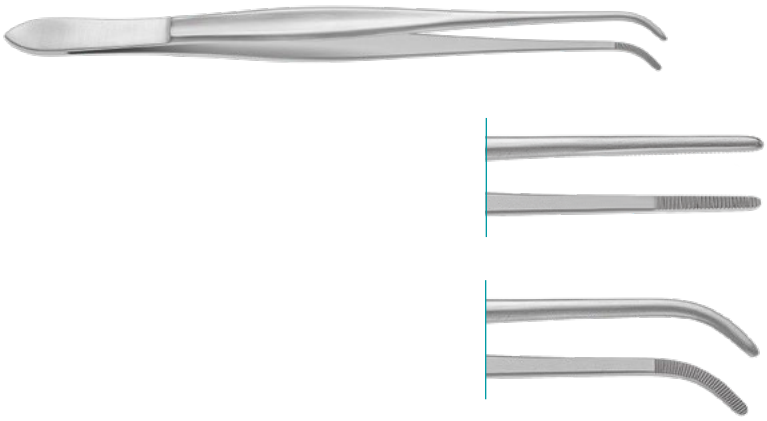
TAYLOR
Dressing Forceps, bayonet, serrated with dissector end

185mm, $7^{1/4}$"	130-035-185



TAYLOR
Dressing Forceps, serrated with dissector end

175mm, $6^{7/8}$"	130-030-175



CUSHING
Dressing Forceps, serrated, fluted handle, straight

175mm, $6^{7/8}$"	130-036-175

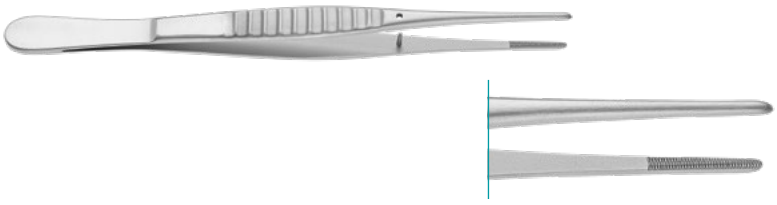
curved

175mm, $6^{7/8}$"	130-037-175



MCINDOE
Dressing Forceps, serrated, US handle

150mm, 6"	130-028-150



WAUGH
Dressing Forceps, coss-serrated

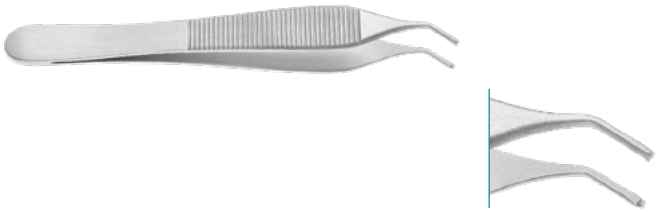
150mm, 6"	130-162-150
200mm, 8"	130-162-200



ADSON

Tissue Forceps, 1x2 teeth

120mm, 4 3/4"	130-140-120
150mm, 6"	130-140-150
180mm, 7"	130-140-180



ADSON

Tissue Forceps, 1x2 teeth, angled

120mm, 4 3/4"	130-143-120



ADSON

Tissue Forceps, 1x2 teeth, cross-serrated

120mm, 4 3/4"	130-557-120



MICRO ADSON
Tissue Forceps, 1x2 teeth, 0.8mm tip

120mm, 4 3/4"	130-550-120
150mm, 6"	130-550-150



ADSON
Tissue Forceps, 1x2 teeth, with tying platform
120mm, 4 3/4"

0.9mm tip	130-141-009
1.0mm tip	130-141-010
1.2mm tip	130-141-012



EWALD ADSON
Tissue Forceps, 1x2 teeth

120mm, 4 3/4"	130-142-120



YANG ADSON
Tissue Forceps, straight, 90° 1x2 teeth, tip 0.3mm

120mm, 4 3/4"	130-554-120



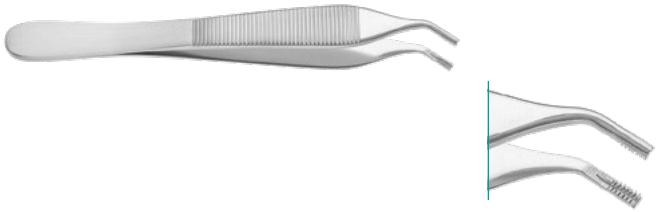
ADSON
Tissue Forceps, 2x3 teeth

120mm, 4 3/4"	130-555-120
150mm, 6"	130-555-150



ADSON BROWN
Tissue Forceps, 7x7 teeth

120mm, 4 3/4"	130-552-120
150mm, 6"	130-552-150



ADSON BROWN
Tissue Forceps, 7x7 teeth, angled

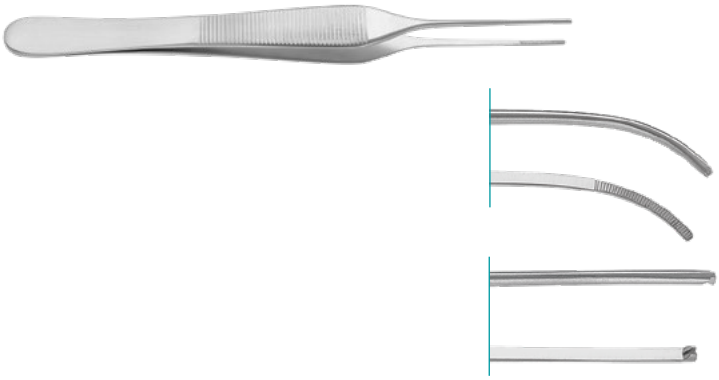
120mm, 4 3/4"	130-556-120



BROWN

Tissue Forceps, 7x7 teeth

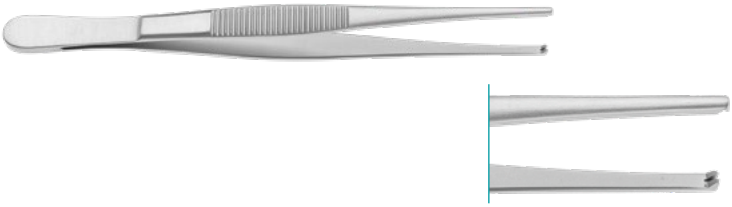
160mm, $6^{1/4}$"	130-554-160
200mm, 8"	130-554-200
250mm, $9^{7/8}$"	130-554-250



BROLI ADSON

Tissue Forceps, 1.2mm tip, 150mm, 6"

Straight, serrated tip	130-024-151
Curved, serrated tip	130-024-152
Straight, diamond dusted tip	130-024-153
Straight, 1x2 teeth	130-024-154



Tissue Forceps, 1x2 teeth

105mm, $4^{1/8}$"	130-110-105
115mm, $4^{1/2}$"	130-110-115
130mm, $5^{1/8}$"	130-110-130
145mm, $5^{3/4}$"	130-110-145
150mm, 6"	130-110-150
160mm, $6^{1/4}$"	130-110-160
180mm, 7"	130-110-180
200mm, 8"	130-110-200
230mm, 9"	130-110-230
250mm, $9^{7/8}$"	130-110-250
300mm, $11^{7/8}$"	130-110-300

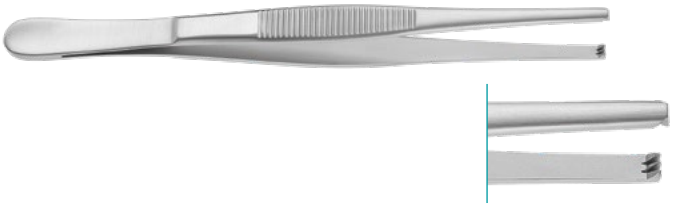


Tissue Forceps, 1x2 teeth, US model

120mm, $4^{3/4}$"	130-126-120
145mm, $5^{3/4}$"	130-126-145
150mm, 6"	130-126-155



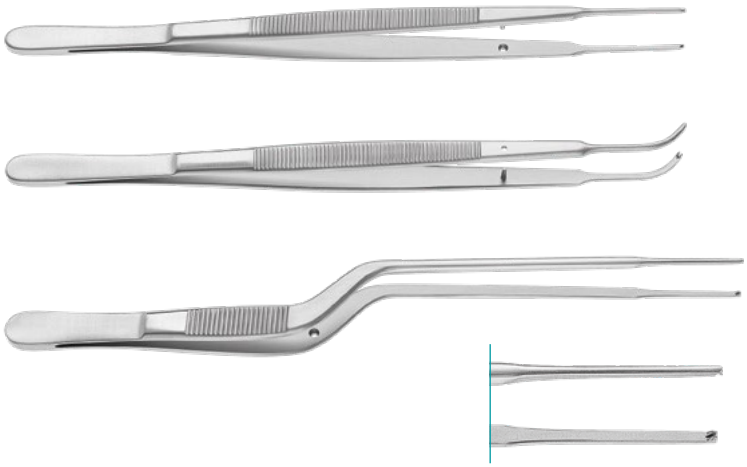
Tissue Forceps, 1x2 teeth, delicate	
115mm, 4 1/2"	130-120-115
130mm, 5 1/8"	130-120-130
145mm, 5 3/4"	130-120-145
160mm, 6 1/4"	130-120-160
180mm, 7"	130-120-180
200mm, 8"	130-120-200
250mm, 9 7/8"	130-120-250
300mm, 11 7/8"	130-120-300



Tissue Forceps	
2x3teeth, 145mm, 5 3/4"	130-112-145
2x3teeth, 160mm, 6 1/4"	130-112-160
3x4teeth, 145mm, 5 3/4"	130-114-145
3x4teeth, 160mm, 6 1/4"	130-114-160
4x5teeth, 145mm, 5 3/4"	130-116-145
4x5teeth, 160mm, 6 1/4"	130-116-160



Tissue Forceps, 1x2 teeth, delicate	
145mm, 5 3/4"	130-118-145
155mm, 6 1/8"	130-118-155
160mm, 6 1/4"	130-118-160
180mm, 7"	130-118-180



GERALD
Tissue Forceps, narrow, 1.3mm step-down tip
1x2 teeth

Straight, 180mm, 7"	130-150-180
Straight, 230mm, 9"	130-150-230
Curved, 180mm, 7"	130-151-180
Bayonet, 195mm, 7 3/4"	130-153-195



SEMKEN
Tissue Forceps

1x2teeth, 125mm, 5"	130-145-125
1x2teeth, 150mm, 6"	130-145-150
2x3teeth, 125mm, 5"	130-147-125



TAYLOR
Tissue Forceps, 1x2 teeth, dissector end

175mm, 6 7/8"	130-147-175



TAYLOR
Tissue Forceps, 1x2 teeth, bayonet,
dissector end

175mm, 6 7/8"	130-157-175



CUSHING

Tissue Forceps, 175mm, $6^{7/8}$"

straight	130-152-175
curved	130-153-175



GILLIES

Tissue Forceps, 1x2 teeth, cross-serrated

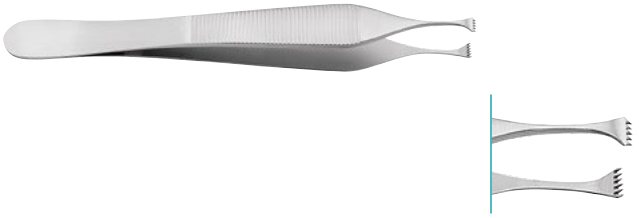
150mm, 6"	130-120-150



WAUGH

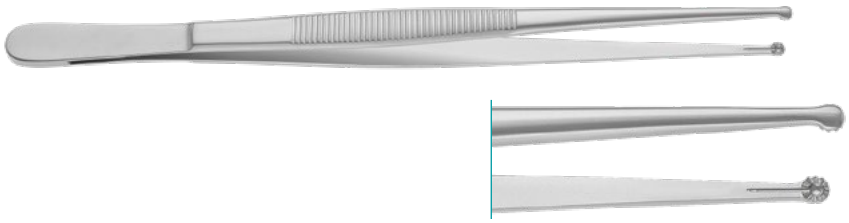
Tissue Forceps, 1x2 teeth, cross-serrated

150mm, 6"	130-160-150
200mm, 8"	130-160-200



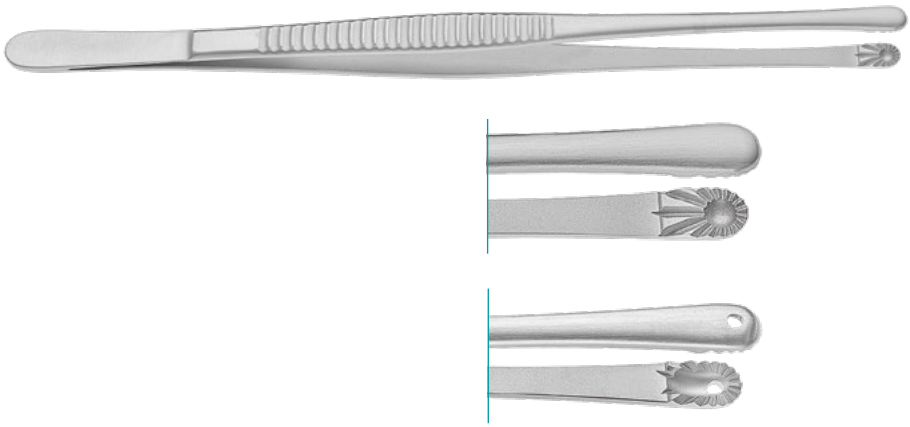
BEASLEY BABCOCK
Tissue Forceps, 5x6 teeth, straight

125mm, 5"	130-561-125



SELMAN
Tissue Forceps, 3.8mm round, serrated cup

150mm, 6"	130-644-150
200mm, 8"	130-644-200
250mm, 9 7/8"	130-644-250

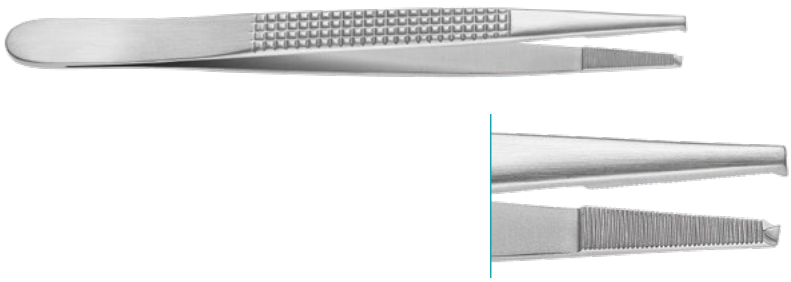


RUSSIAN
Tissue Forceps

150mm, 6"	130-510-150
200mm, 8"	130-510-200
250mm, 9 7/8"	130-510-250
300mm, 11 7/8"	130-510-300
350mm, 14"	130-510-350

MAYO RUSSIAN
Tissue Forceps

230mm, 9"	130-456-230



BONNEY

Tissue Forceps, 1x2 teeth

180mm, 7"	130-143-180



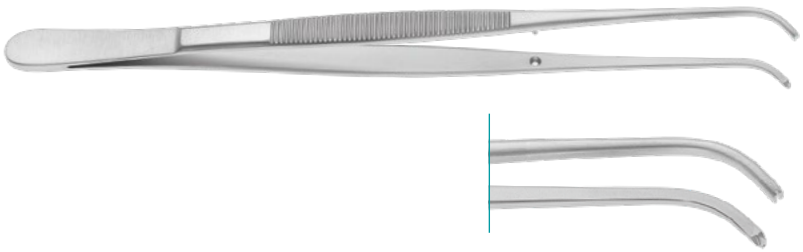
ADLERKREUTZ

Tissue Forceps, serrated, 2x3 teeth

150mm, 6"	130-137-150
200mm, 8"	130-137-200

4x5 teeth

150mm, 6"	130-138-150
200mm, 8"	130-138-200



POTTS SMITH

Tissue Forceps, 1x2 teeth, straight

180mm, 7"	130-154-180
210mm, 8 1/4"	130-154-210
250mm, 9 7/8"	130-154-250

curved

180mm, 7"	130-155-180
210mm, 8 1/4"	130-155-210
250mm, 9 7/8"	130-155-250



CUSHING BROWN

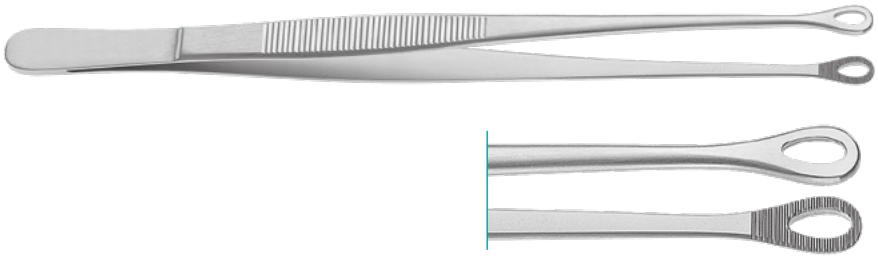
Tissue Forceps, 9x9 teeth, dissector end

175mm, 6 7/8"	130-554-175



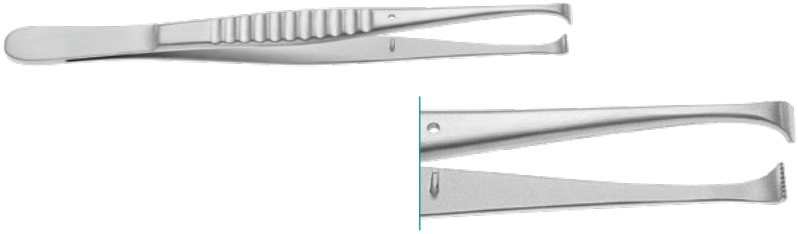
CUSHING BROWN
Tissue Forceps, 9x9 teeth, bayonet, dissector end

180mm, 7"	130-555-180



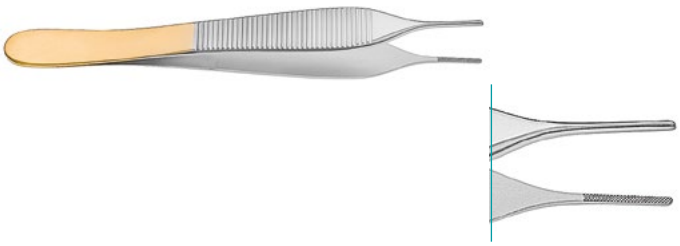
SINGLEY TUTTLE
Lung Grasping Forceps, serrated

150mm, 6"	130-560-150
180mm, 7"	130-560-180
230mm, 9"	130-560-230
350mm, 14"	130-560-350



NELSON
Tissue Forceps, 6x7 teeth

150mm, 6"	130-562-150
200mm, 8"	130-562-200
230mm, 9"	130-562-230

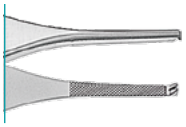


TC MICRO ADSON
Dressing Forceps, serrated

120mm, 4 3/4"	130-538-120



regular tip



delicate tip



TC ADSON
Needle and Tissue Pulling Forceps, with tying platform,1x2 teeth, cross-serrated, regular tip

120mm 4 3/4"	130-534-120
150mm, 6"	130-534-150

delicate tip

120mm 4 3/4"	130-537-120
150mm, 6"	130-537-150





TC ADSON BROWN
Tissue Forceps, 7x7 teeth, tying platform

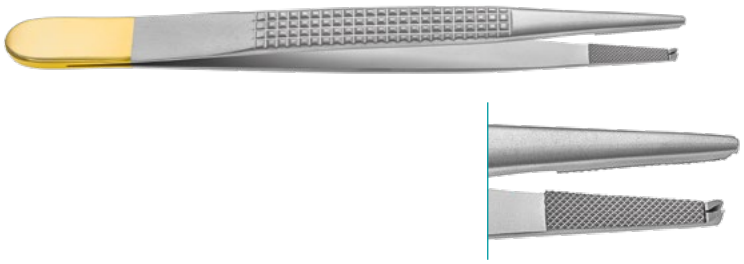
120mm, 4 3/4"	130-529-120
150mm, 6"	130-529-150





TC ADSON
Dressing Forceps, serrated

120mm, 4 3/4"	130-532-120
150mm, 6"	130-532-150



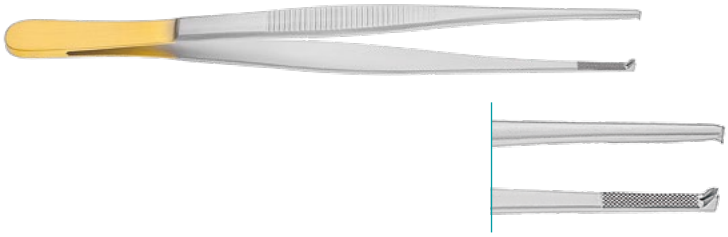
TC BONNEY
Needle and Tissue Pulling Forceps,
with tying platform, 1x2 teeth

170mm, $6^{2/3}$"	130-514-170



TC FERRIS SMITH
Needle and Tissue Pulling Forceps,
with tying platform, 1x2 teeth

170mm, $6^{2/3}$"	130-510-170



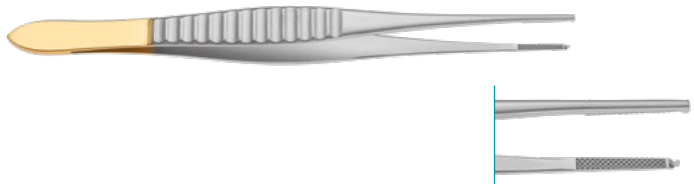
TC OEHLER
Needle and Tissue Pulling Forceps,
with tying platform, 1x2 teeth

160mm, $6^{1/4}$"	130-522-160
200mm, 8"	130-522-200
250mm, $9^{7/8}$"	130-522-250



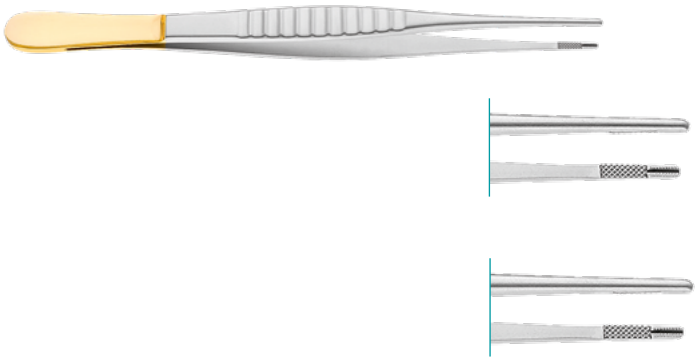
TC GERALD
Needle and Tissue Pulling Forceps,
with tying platform, 1x2 teeth

170mm, $6^{2/3}$"	130-518-170



TC GILLIES
Dissecting Forceps, with tying platform,
1x2 teeth

150mm, 6"	130-520-150

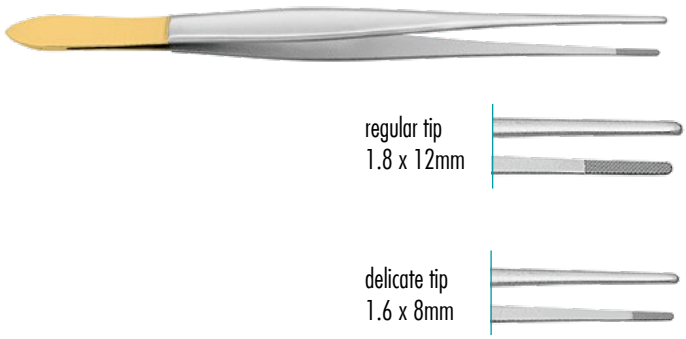


TC DEBAKEY
Needle and Tissue Pulling Forceps, atraumatic,
2.0mm tip

160mm, 6 1/4"	130-570-160
200mm, 8"	130-570-200
240mm, 9 1/2"	130-570-240

1.5mm tip

160mm, 6 1/4"	130-568-150
200mm, 8"	130-568-190
240mm, 9 1/2"	130-568-240



TC CUSHING
Needle and Tissue Pulling Forceps,
with scraper/dissector end, regular tip

175mm, 6 7/8"	130-536-175

delicate tip

175mm 6 7/8"	130-538-175



TC SEMKEN
Dressing Forceps

150mm, 6"	130-512-150



TC Dressing Forceps

145mm, $5^{3/4}$"	130-518-145
160mm, $6^{1/4}$"	130-518-160



TC GERALD

Dressing Forceps, narrow step-down-tip

170mm, $6^{2/3}$"	130-516-170



TC CUSHING

Needle and Tissue Pulling Forceps, angled

180mm, 7"	130-539-180



TC MCINDOE

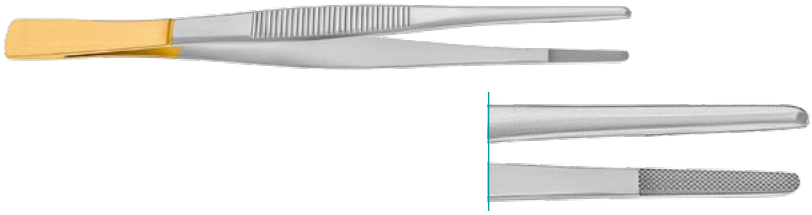
Dissecting Forceps

150mm, 6"	130-522-150



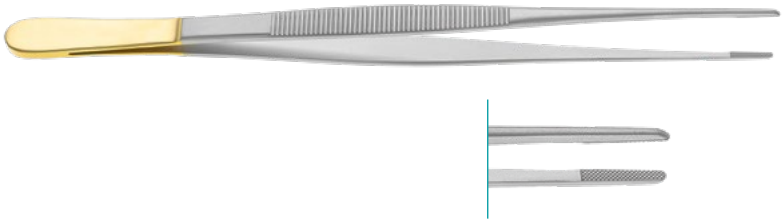
TC CUSHING TAYLOR
Dressing Forceps, bayonet, with dissector end

180mm, 7"	130-541-180



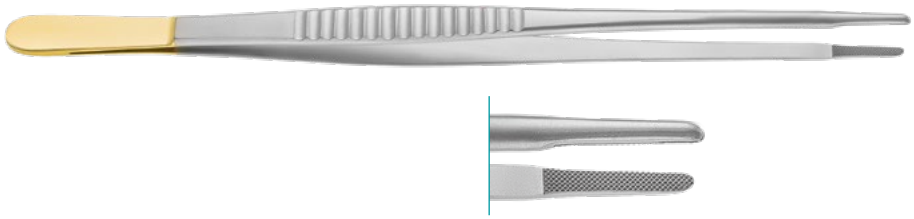
TC POTTS SMITH
Dressing Forceps, cross-serrated, with dissector end

150mm, 6"	130-542-150
180mm, 7"	130-542-180
210mm, 8 1/4"	130-542-210
230mm, 9"	130-542-230
250mm, 9 7/8"	130-542-250



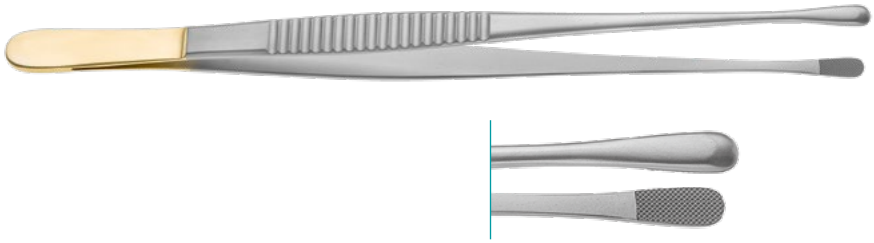
TC REUL
Coronary Dressing Forceps, 1.6mm wide x 12mm

195mm, 7 3/4"	130-544-195



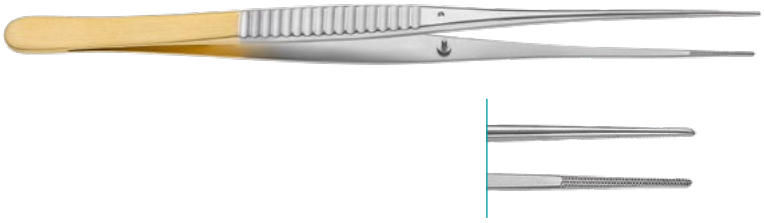
TC EVANS
Dressing Forceps, cross-serrated

250mm, 9 7/8"	130-575-250



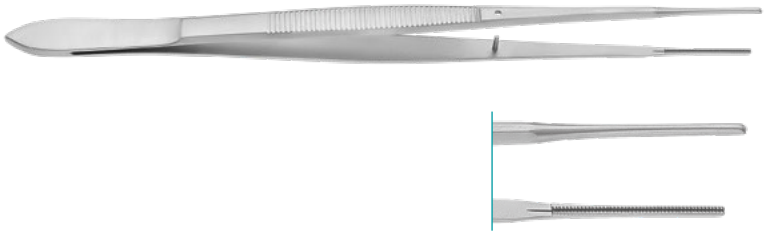
TC WANGENSTEEN
Dressing Forceps

150mm, 6"	130-566-150
230mm, 9"	130-566-230
250mm, 9 7/8"	130-566-250



COOLEY
Straight, delicate, 1.2mm tip

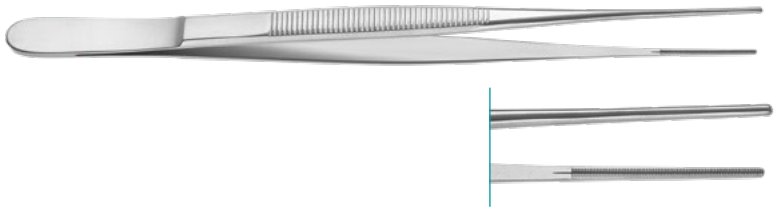
200mm, 8"	130-049-200
250mm, 9 7/8"	130-049-250



GERALD DEBAKEY

Vascular Tissue Forceps, straight, extra delicate
1.0mm tip, DeBakey serrations

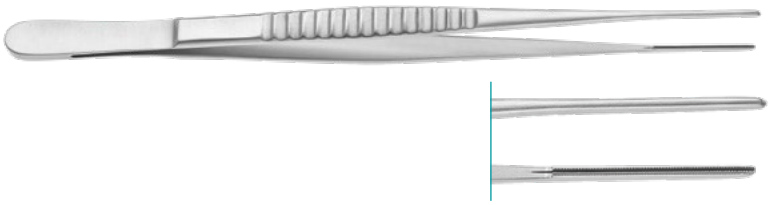
175mm, $6^{7/8}$"	130-520-175
200mm, 8"	130-520-200
240mm, $9^{1/2}$"	130-520-240



DIETHRICH DEBAKEY

Vascular Tissue Forceps, straight, extra delicate
1.5mm tip, 20mm DeBakey serrations

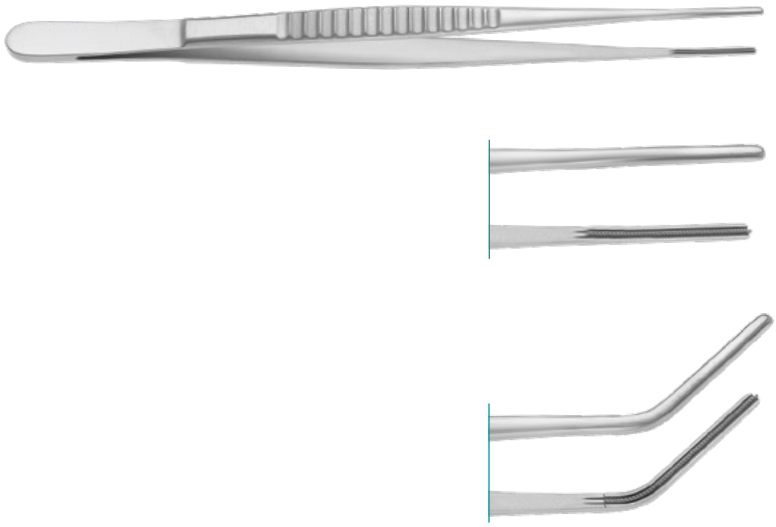
160mm, $6^{1/4}$"	130-468-150
200mm, 8"	130-468-200
240mm, $9^{1/2}$"	130-468-240



DIETHRICH DEBAKEY

Vascular Tissue Forceps, straight, extra delicate
1.5mm tip, 24mm DeBakey serrations

160mm, $6^{1/4}$"	290-550-160
200mm, 8"	290-550-200
240mm, $9^{1/2}$"	290-550-240
300mm, $11^{7/8}$"	290-550-300



DEBAKEY
Vascular Atraumatic Forceps, straight, 2.0mm tip, 24mm DeBakey serrations

160mm, 6 1/4"	290-552-160
200mm, 8"	290-552-200
240mm, 9 1/2"	290-552-240
300mm, 11 7/8"	290-552-300

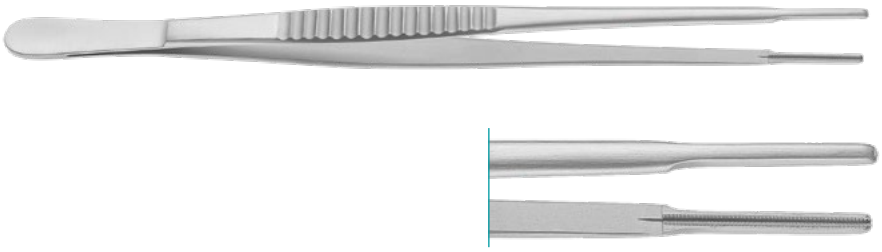
angled

160mm, 6 1/4"	290-553-160
200mm, 8"	290-553-200
240mm, 9 1/2"	290-553-240
300mm, 11 7/8"	290-553-300



DEBAKEY
Vascular Atraumatic Forceps, straight, 2.4mm tip, 24mm DeBakey serrations

160mm, 6 1/4"	290-557-160
200mm, 8"	290-557-200
240mm, 9 1/2"	290-557-240
300mm, 11 7/8"	290-557-300



DEBAKEY
Vascular Atraumatic Forceps, straight, 2.8mm step-down tip, 24mm DeBakey serrations

160mm, 6 1/4"	290-558-160
200mm, 8"	290-558-200
240mm, 9 1/2"	290-558-240
300mm, 11 7/8"	290-558-300



DEBAKEY
Vascular Atraumatic Forceps, straight,
3.5mm step-down tip,
24mm DeBakey serrations

160mm, 6 1/4"	290-555-160
200mm, 8"	290-555-200
240mm, 9 1/2"	290-555-240
300mm, 11 7/8"	290-555-300



COOLEY
Vascular Atraumatic Forceps, straight,
delicate 1.5mm tip,
24mm Cooley serrations

150mm, 6"	290-556-150
2.0mm tip	
160mm, 6 1/4"	290-556-160
200mm, 8"	290-556-200
240mm, 9 1/2"	290-556-240



ADSON DEBAKEY
Vascular Atraumatic Forceps,
straight, 2.0mm tip

120mm, 4 3/4"	130-527-120



Plain Splinter Forceps

90mm, 3 1/2"	130-622-090
115mm, 4 1/2"	130-622-115



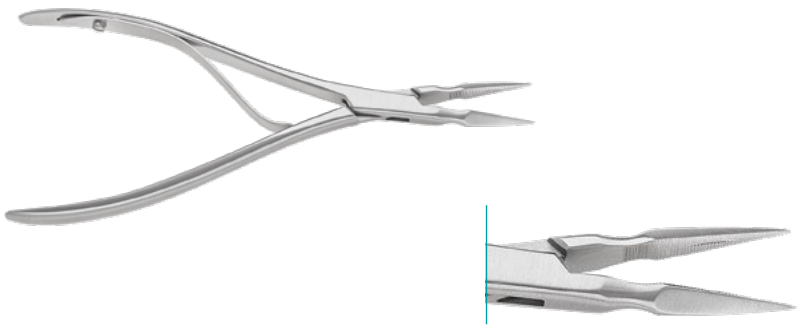
FEILCHENFELD
Splinter Forceps

80mm, 3 1/8"	130-630-075
90mm, 3 1/2"	130-630-090
115mm, 4 1/2"	130-630-115



CARMALT
Splinter Forceps, 105mm, 4 1/8"

Straight	130-632-105
Curved	130-633-105



VIRTUS
Splinter Forceps

140mm, 5 1/2"	130-640-140





GRAEFE

Fixation Forceps, 7x8 teeth

110mm, 4 1/3"	400-025-110





GREEN

Fixation Forceps, 12mm wide jaw, fine serrations

110mm, 4 1/3"	400-029-012









RZ

Delicate Dressing forceps, straight, 100mm, 4"

straight	130-490-100
slightly curved	130-491-100
strongly curved	130-492-100



LUCAE

Dressing Aural Forceps, bayonet shape, serrated

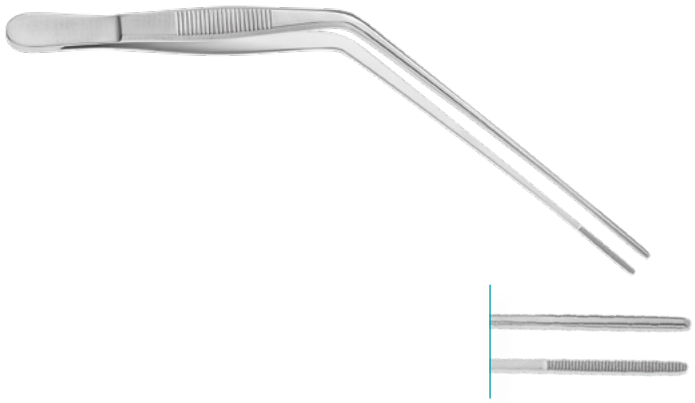
140mm, 5 1/2"	410-391-140



JANSEN

Dressing Nasal Forceps, bayonet shape, 190mm, 7 1/2"

serrated	410-395-190
1x 2 teeth	410-396-190
210mm, 8 1/4"	
serrated	410-395-210

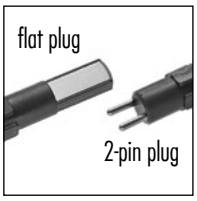


TROELTSCH (WILDE)

Dressing Nasal Forceps, knee bent

170mm, 6 2/3"	420-375-165

NON-STICK FORCEPS





Straight		150mm straight tip	150mm angled tip	180mm straight tip	180mm angled tip	200mm straight tip	220mm straight tip
0.3mm tip (point)	flat plug	700-610-150	700-611-150	700-610-180	700-611-180	700-610-200	700-610-220
	2-pin	700-612-150	700-613-150	700-612-180	700-613-180	700-612-200	700-620-220
0.6mm tip (blunt)	flat plug	700-620-150	700-621-150	700-620-180	700-621-180	700-620-200	700-620-220
	2-pin	700-622-150	700-623-150	700-622-180	700-623-180	700-622-200	700-622-220
1.0mm tip (blunt)	flat plug	700-630-150	700-631-150	700-630-180	700-631-180	700-630-200	700-630-220
	2-pin	700-632-150	700-633-150	700-632-180	700-633-180	700-632-200	700-632-220
2.0mm tip (blunt)	flat plug	700-640-150	700-641-150	700-640-180	700-641-180	700-640-200	700-640-220
	2-pin	700-642-150	700-643-150	700-642-180	700-643-180	700-642-200	700-642-220

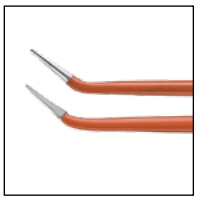


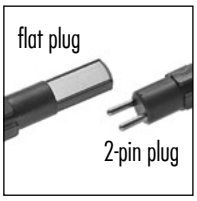
JEWELER TYPE		110mm straight tip	110mm angled tip
0.25mm tip (point)	flat plug	700-601-710	700-601-730
	2-pin	700-601-711	700-601-731
0.6mm tip (blunt)	flat plug	700-601-712	700-601-732
	2-pin	700-601-713	700-601-733
1.0mm tip (blunt)	flat plug	700-601-714	700-601-734
	2-pin	700-601-715	700-601-735


straight tip


angled tip


angled down tip


angled up tip



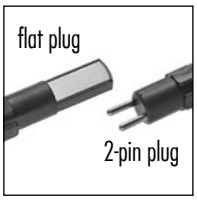


Bayonet Shape		180mm straight tip	200mm straight tip	220mm straight tip	240mm straight tip
0.3mm tip (point)	flat plug	700-650-180	700-650-200	700-650-220	700-650-240
	2-pin	700-652-180	700-652-200	700-652-220	700-652-240
0.6mm tip (blunt)	flat plug	700-660-180	700-660-200	700-660-220	700-660-240
	2-pin	700-662-180	700-662-200	700-662-220	700-662-240
1.0mm tip (blunt)	flat plug	700-670-180	700-670-200	700-670-220	700-670-240
	2-pin	700-672-180	700-672-200	700-672-220	700-672-240
2.0mm tip (blunt)	flat plug	700-680-180	700-680-200	700-680-220	700-680-240
	2-pin	700-682-180	700-682-200	700-682-220	700-682-240



Bayonet Shape, angled up/angled down		200mm angled up tip	220mm angled up tip	200mm angled down tip	220mm angled down tip
1.0mm tip (blunt)	flat plug	700-670-201	700-670-221	700-670-203	700-670-223
	2-pin	700-672-201	700-672-221	700-672-203	700-672-223

NON-STICK FORCEPS, ROUND HANDLE





Straight		150mm straight tip	150mm angled tip	180mm straight tip	180mm angled tip
0.3mm tip (point)	flat plug	700-010-150	700-011-150	700-010-180	700-011-180
	2-pin	700-012-150	700-013-150	700-012-180	700-013-180
0.6mm tip (blunt)	flat plug	700-020-150	700-021-150	700-020-180	700-021-180
	2-pin	700-022-150	700-023-150	700-022-180	700-023-180
1.0mm tip (blunt)	flat plug	700-030-150	700-031-150	700-030-180	700-031-180
	2-pin	700-032-150	700-033-150	700-032-180	700-033-180
2.0mm tip (blunt)	flat plug	700-040-150	700-041-150	700-040-180	700-041-180
	2-pin	700-042-150	700-043-150	700-042-180	700-043-180

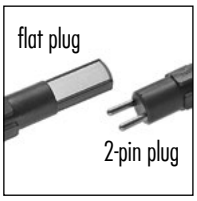


straight tip



angled down tip

Straight		200mm straight tip	200mm angled tip	225mm straight tip	225mm angled tip
0.3mm tip (point)	flat plug	700-010-200	700-011-200	700-010-220	700-011-220
	2-pin	700-012-200	700-013-200	700-012-220	700-013-220
0.6mm tip (blunt)	flat plug	700-020-200	700-021-200	700-020-220	700-021-220
	2-pin	700-022-200	700-023-200	700-022-220	700-023-220
1.0mm tip (blunt)	flat plug	700-030-200	700-031-200	700-030-220	700-031-220
	2-pin	700-032-200	700-033-200	700-032-220	700-033-220
2.0mm tip (blunt)	flat plug	700-040-200	700-041-200	700-040-220	700-041-220
	2-pin	700-042-200	700-043-200	700-042-220	700-043-220





Bayonet		180mm straight tip	200mm straight tip
0.3mm tip (point)	flat plug	700-050-180	700-050-200
	2-pin	700-052-180	700-052-200
0.6mm tip (blunt)	flat plug	700-060-180	700-060-200
	2-pin	700-062-180	700-062-200
1.0mm tip (blunt)	flat plug	700-070-180	700-072-200
	2-pin	700-072-180	700-072-200
2.0mm tip (blunt)	flat plug	700-080-180	700-082-200
	2-pin	700-082-180	700-082-200


straight tip

Bayonet		225mm straight tip	250mm straight tip
0.3mm tip (point)	flat plug	700-050-220	700-050-250
	2-pin	700-052-220	700-052-250
0.6mm tip (blunt)	flat plug	700-060-220	700-060-250
	2-pin	700-062-220	700-062-250
1.0mm tip (blunt)	flat plug	700-070-220	700-070-250
	2-pin	700-072-220	700-072-250
2.0mm tip (blunt)	flat plug	700-080-220	700-080-250
	2-pin	700-082-220	700-082-250



GILLIES

Monopolar Tissue Forceps, 1x2 teeth, 150mm, 6“

Without plug	130-720-150
4mm male plug	130-719-150



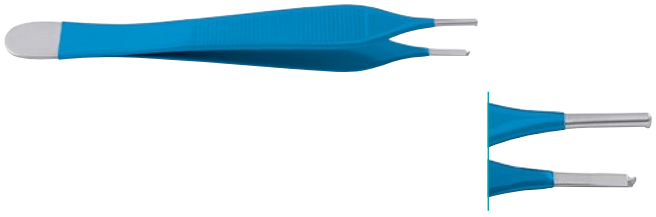
GERALD

Monopolar Tissue Forceps, 1x2 teeth, 180mm, 7“

Without plug	130-750-180
4mm male plug	130-749-180

230mm, 9“

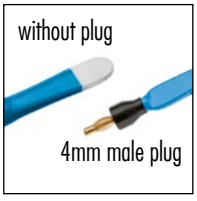
Without plug	130-750-230
4mm male plug	130-749-230



ADSON

Monopolar Tissue Forceps, 1x2 teeth, 2mm tip, 120mm, $4^{3/4}$“

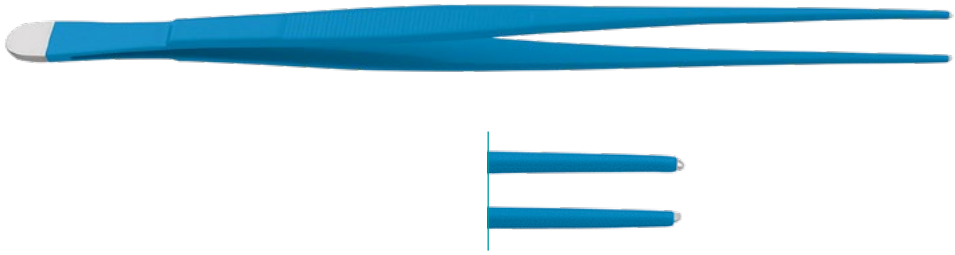
Without plug	130-740-120
4mm male plug	130-746-120





MICRO ADSON
Monopolar Tissue Forceps, 1x2 teeth, 2mm tip, 150mm, 6"

Without plug	130-750-150
4mm male plug	130-751-150



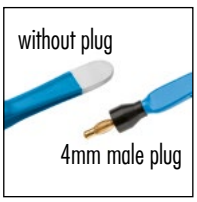
SULLIVAN
Monopolar Forceps, very delicate, smooth jaw, 1mm tip, 250mm, 9 7/8"

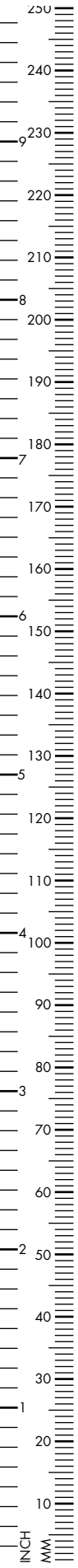
Without plug	130-743-250

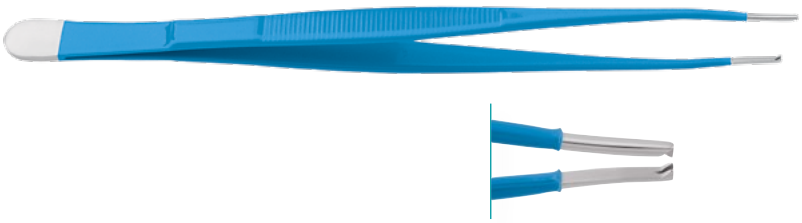


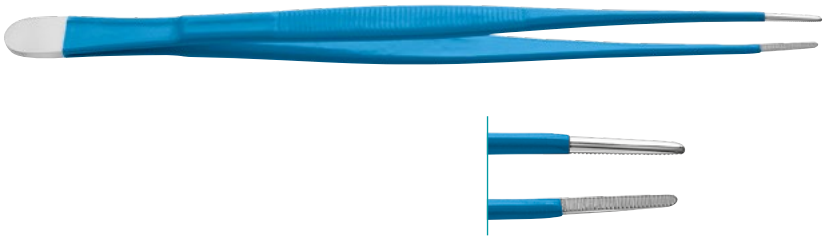
POTTS SMITH
Monopolar Dressing Forceps, serrated, elevated shanks,
without plug

180mm, 7"	130-738-180
210mm, 8 1/4"	130-738-210
250mm, 9 7/8"	130-738-250
300mm, 11 7/8"	130-738-300
4mm male plug	
180mm, 7"	130-752-180
210mm, 8 1/4"	130-752-210
250mm, 9 7/8"	130-752-250
300mm, 11 7/8"	130-752-300

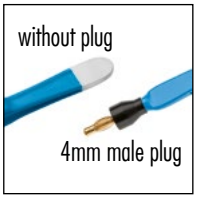












POTTS SMITH
Monopolar Tissue Forceps, 1x2 teeth, elevated shanks,without plug

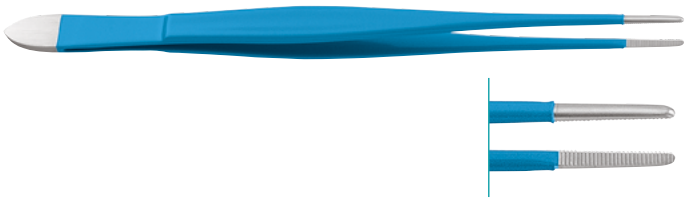
180mm, 7"	130-741-180
210mm, 8 1/4"	130-741-210
250mm, 9 7/8"	130-741-250
300mm, 11 7/8"	130-741-300
4mm male plug	
180mm, 7"	130-748-180
210mm, 8 1/4"	130-748-210
250mm, 9 7/8"	130-748-250
300mm, 11 7/8"	130-748-300

POTTS SMITH
Monopolar Dressing Forceps, serrated, without plug

145mm, 5 3/4"	130-740-145
180mm, 7"	130-740-180
210mm, 8 1/4"	130-740-210
250mm, 9 7/8"	130-740-250
300mm, 11 7/8"	130-740-300
4mm male plug	
145mm, 5 3/4"	130-747-145
180mm, 7"	130-747-180
210mm, 8 1/4"	130-747-210
250mm, 9 7/8"	130-747-250
300mm, 11 7/8"	130-747-300

POTTS SMITH
Monopolar Tissue Forceps, 1x2 teeth, without plug

145mm, 5 3/4"	130-753-145
180mm, 7"	130-753-180
210mm, 8 1/4"	130-753-210
250mm, 9 7/8"	130-753-250
300mm, 11 7/8"	130-753-300
4mm male plug	
145mm, 5 3/4"	130-754-145
180mm, 7"	130-754-180
210mm, 8 1/4"	130-754-210
250mm, 9 7/8"	130-754-250
300mm, 11 7/8"	130-754-300



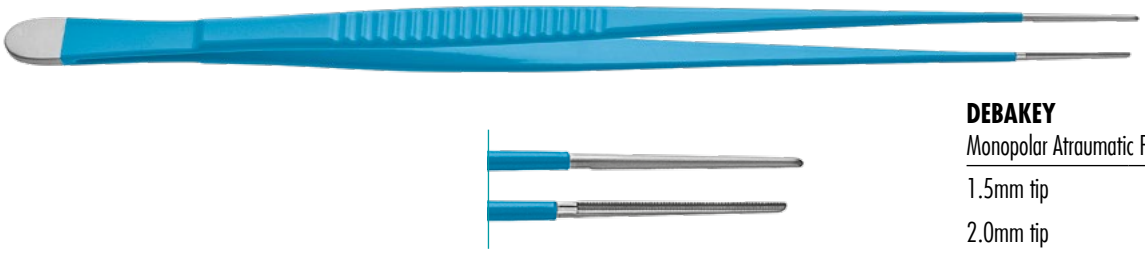
CUSHING

Monopolar Dressing Forceps, serrated, without plug

175mm, 6 7/8"	130-736-175
200mm, 8"	130-736-200

4mm male plug

175mm, 6 7/8"	130-737-175
200mm, 8"	130-737-200



DEBAKEY

Monopolar Atraumatic Forceps, 160mm, 6 1/4"

1.5mm tip	290-850-160
2.0mm tip	290-851-160
2.4mm tip	290-852-160
2.7mm tip	290-853-160
3.5mm tip	290-854-160

200mm, 8"

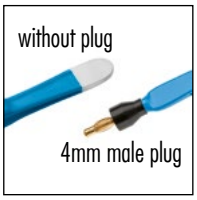
1.5mm tip	290-850-200
2.0mm tip	290-851-200
2.4mm tip	290-852-200
2.7mm tip	290-853-200
3.5mm tip	290-854-200

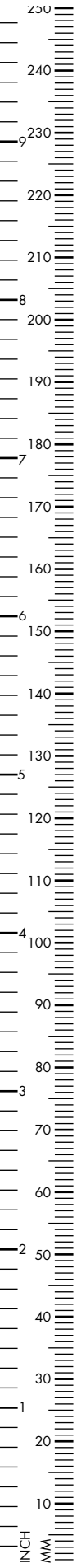
240mm, 9 1/2"

1.5mm tip	290-850-240
2.0mm tip	290-851-240
2.4mm tip	290-852-240
2.7mm tip	290-853-240
3.5mm tip	290-854-240

300mm, 11 7/8"

1.5mm tip	290-850-300
2.0mm tip	290-851-300
2.4mm tip	290-852-300
2.7mm tip	290-853-300
3.5mm tip	290-854-300

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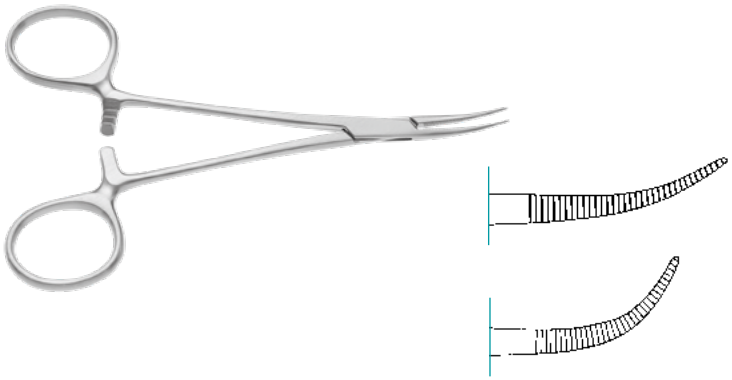
CLAMPS AND FORCEPS



Hemostatic Forceps
Dissecting Forceps
Tissue Forceps
Intestinal Forceps
Towel Forceps
Tubing Clamps
Dressing and Sponge Forceps



JACOBSON

Hemostatic Forceps, delicate, 0.3mm tip, curved

100mm, 4"	140-161-100
130mm, 5 1/8"	140-161-130
190mm, 7 1/2"	140-161-190

fully curved

130mm, 5 1/8"	140-162-130
190mm, 7 1/2"	140-162-190



MICRO HALSTEAD MOSQUITO

Hemostatic Forceps, straight

100mm, 4"	140-270-100
120mm, 4 3/4"	140-270-120

curved

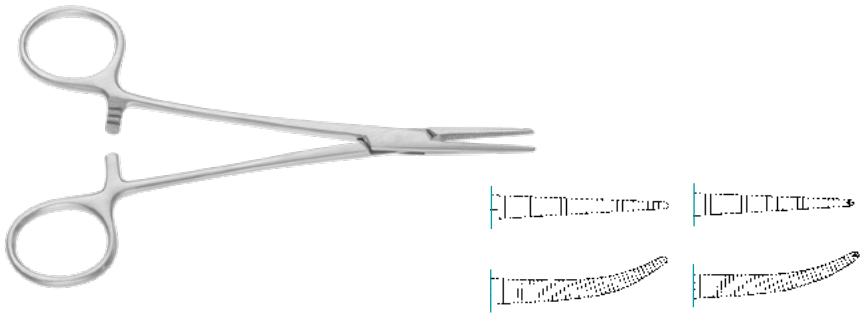
100mm, 4"	140-271-100
120mm, 4 3/4"	140-271-120

straight, 1x2 teeth

100mm, 4"	140-272-100
120mm, 4 3/4"	140-272-120

curved, 1x2teeth

100mm, 4"	140-273-100
120mm, 4 3/4"	140-273-120



HALSTEAD MOSQUITO

Hemostatic Forceps, serrated, straight

125mm, 5"	140-254-125
140mm, 5 1/2"	140-254-140
180mm, 7"	140-254-180
210mm, 8 1/4"	140-254-210

serrated, curved

125mm, 5"	140-255-125
140mm, 5 1/2"	140-255-140
180mm, 7"	140-255-180
210mm, 8 1/4"	140-255-210

1x2 teeth, straight

125mm, 5"	140-256-125
140mm, 5 1/2"	140-256-140
180mm, 7"	140-256-180
210mm, 8 1/4"	140-256-210

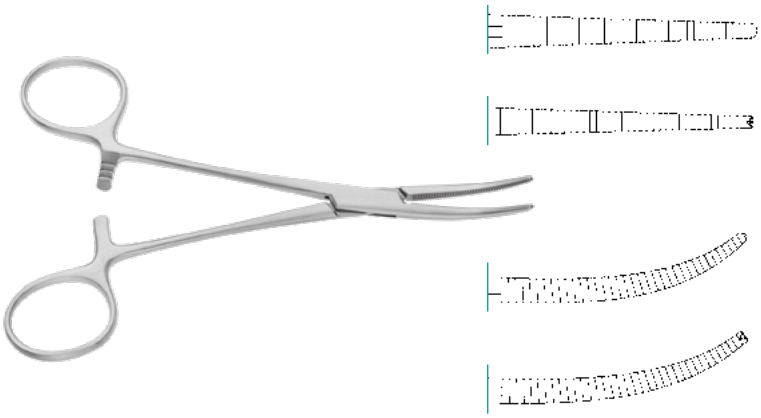
1x2 teeth, curved

125mm, 5"	140-257-125
140mm, 5 1/2"	140-257-140
180mm, 7"	140-257-180
210mm, 8 1/4"	140-257-210



HARTMANN MOSQUITO
Hemostatic Forceps, serrated, straight

100mm, 4"	140-250-100
1x2 teeth, straight	
100mm, 4"	140-248-100
serrated, curved	
100mm, 4"	140-251-100
1x2 teeth, curved	
100mm, 4"	140-249-100



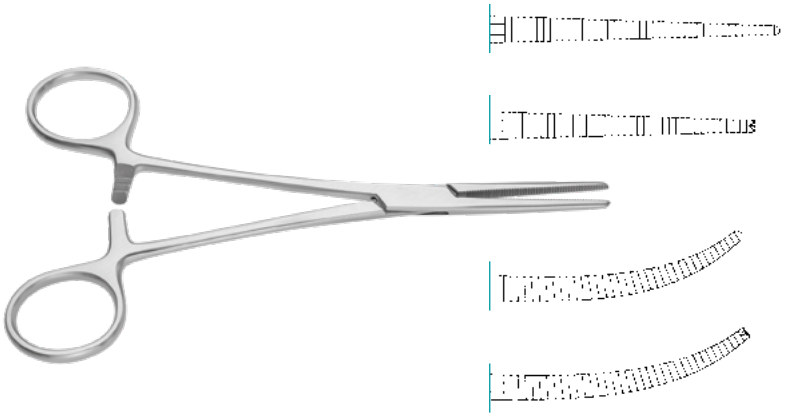
CRILE
Hemostatic Forceps, serrated, straight

140mm, 5 1/2"	140-290-140
1x2 teeth, straight	
140mm, 5 1/2"	140-292-140
serrated, curved	
140mm, 5 1/2"	140-291-140
1x2 teeth, curved	
140mm, 5 1/2"	140-293-140



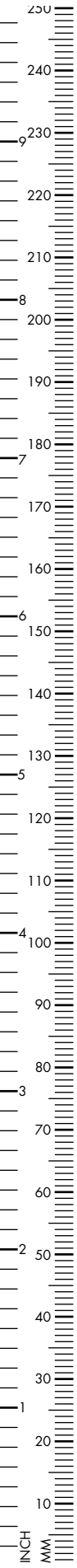
BABY CRILE
Hemostatic Forceps, 140mm, 5 1/2"

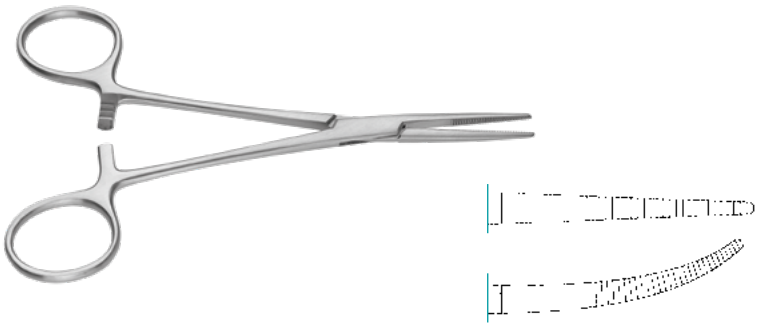
serrated, straight	140-334-140
serrated, curved	140-335-140
1x2 teeth, straight	140-336-140

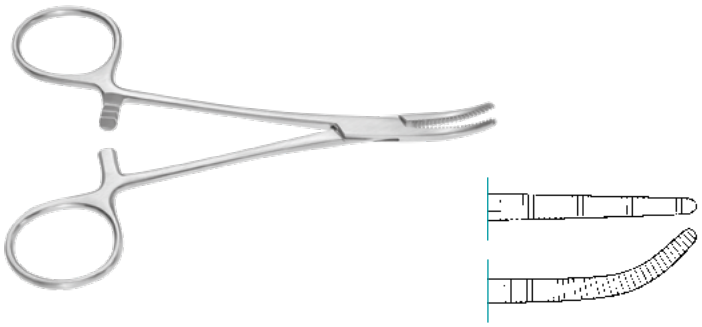


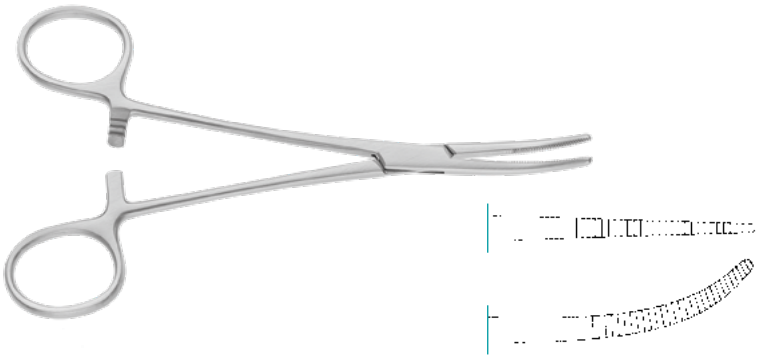
CRILE RANKIN
Hemostatic Forceps, serrated, straight

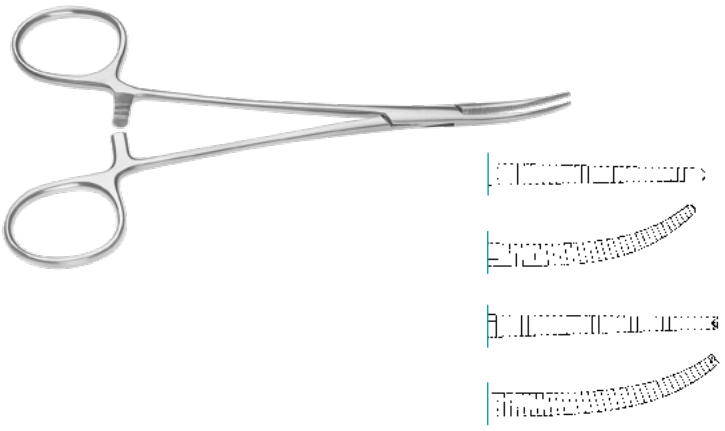
160mm, 6 1/4"	140-294-160
1x2 teeth, straight	
160mm, 6 1/4"	140-296-160
serrated, curved	
160mm, 6 1/4"	140-295-160
1x2 teeth, curved	
160mm, 6 1/4"	140-297-160











KELLY

Hemostatic Forceps, straight

140mm, 5 1/2"	140-280-140

curved

140mm, 5 1/2"	140-281-140

SPENCER WELLS

Hemostatic Forceps, serrated, straight

130mm, 5 1/8"	140-150-130
150mm, 6"	140-150-150
180mm, 7"	140-150-180
200mm, 8"	140-150-200

curved

130mm, 5 1/8"	140-151-130
150mm, 6"	140-151-150
180mm, 7"	140-151-180
200mm, 8"	140-151-200

KELLY RANKIN

Hemostatic Forceps, straight

160mm, 6 1/4"	140-286-160

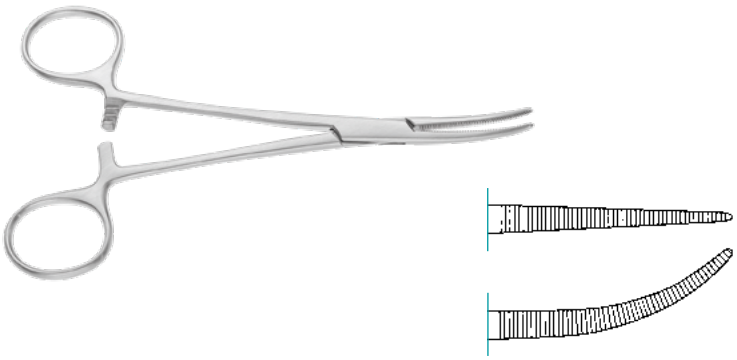
curved

160mm, 6 1/4"	140-287-160

LERICHE

Hemostatic Forceps, 150mm, 6"

straight	140-276-150
curved	140-277-150
straight, 1x2 teeth	140-278-150
curved, 1x2 teeth	140-279-150



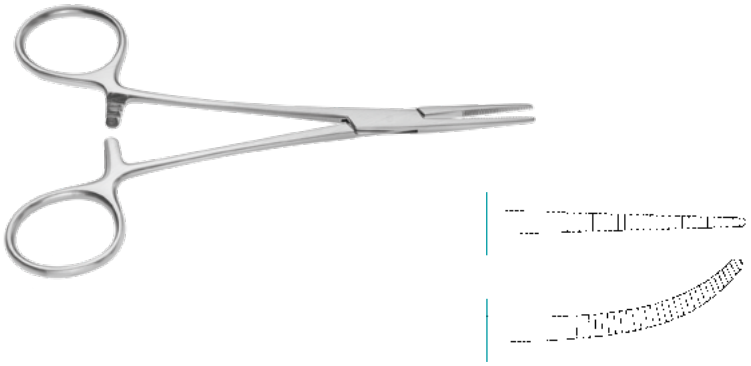
COLLER

Hemostatic Forceps, serrated, straight

140mm, 5 1/2"	140-288-140
160mm, 6 1/4"	140-288-160

curved

140mm, 5 1/2"	140-289-140
160mm, 6 1/4"	140-289-160



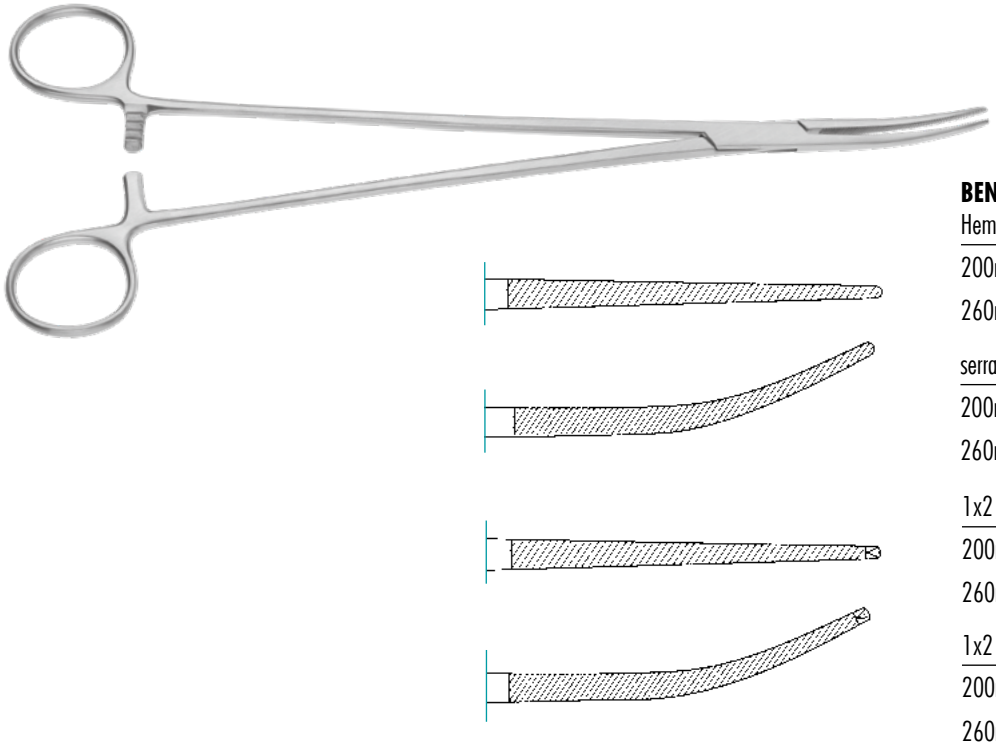
PROVIDENCE HOSPITAL

Hemostatic Forceps, serrated, straight

140mm, 5 1/2"	140-274-140

curved

140mm, 5 1/2"	140-275-140



BENGOLEA

Hemostatic Forceps, serrated, straight

200mm, 8"	140-140-200
260mm, 10 1/4"	140-140-260

serrated, curved

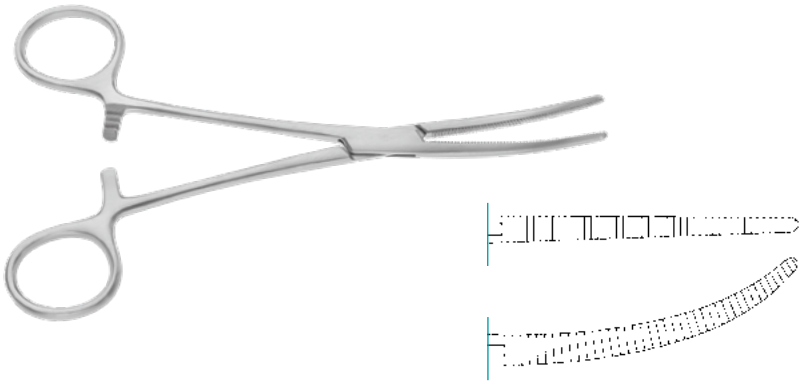
200mm, 8"	140-141-200
260mm, 10 1/4"	140-141-260

1x2 teeth, straight

200mm, 8"	140-142-200
260mm, 10 1/4"	140-142-260

1x2 teeth, curved

200mm, 8"	140-143-200
260mm, 10 1/4"	140-143-260



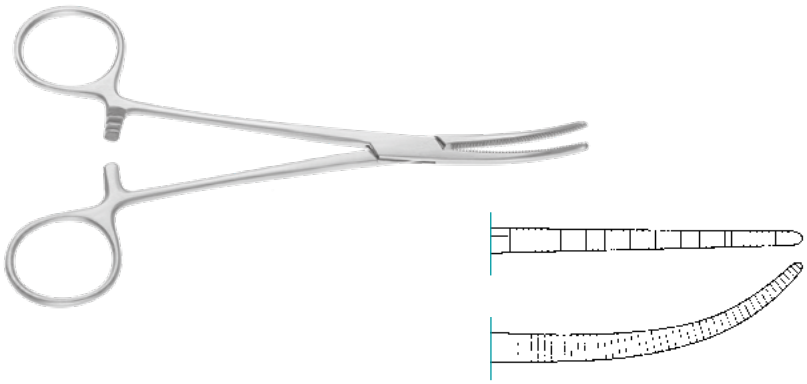
ROCHESTER PEAN

Hemostatic Forceps, serrated, straight

140mm, 5 1/2"	140-330-140
160mm, 6 1/4"	140-330-160
180mm, 7"	140-330-180
200mm, 8"	140-330-200
220mm, 8 2/3"	140-330-220
240mm, 9 1/2"	140-330-240
260mm, 10 1/4"	140-330-260
300mm, 11 7/8"	140-330-300
355mm, 14"	140-330-355

curved

140mm, 5 1/2"	140-331-140
160mm, 6 1/4"	140-331-160
180mm, 7"	140-331-180
200mm, 8"	140-331-200
220mm, 8 2/3"	140-331-220
240mm, 9 1/2"	140-331-240
260mm, 10 1/4"	140-331-260
300mm, 11 7/8"	140-331-300
355mm, 14"	140-331-355



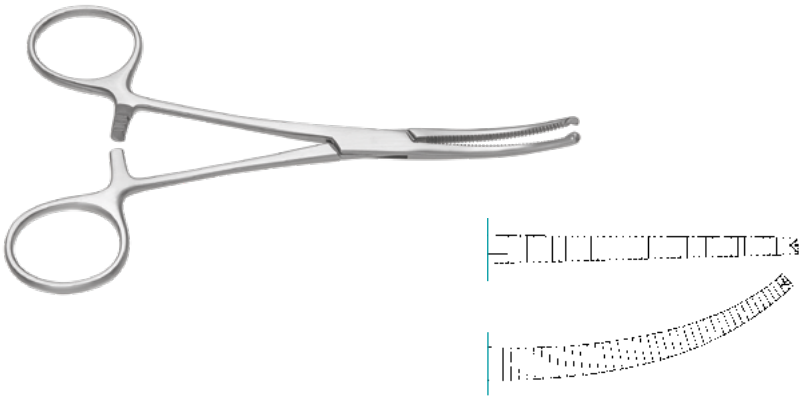
PEAN

Hemostatic Forceps, delicate, serrated, straight

130mm, 5 1/8"	140-316-130
140mm, 5 1/2"	140-316-140
160mm, 6 1/4"	140-316-160

curved

130mm, 5 1/8"	140-317-130
140mm, 5 1/2"	140-317-140
160mm, 6 1/4"	140-317-160



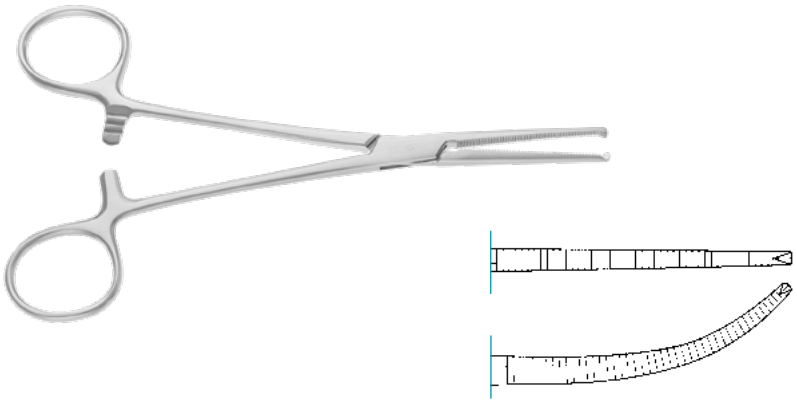
KOCHER OCHSNER

Hemostatic Forceps, 1x 2 teeth, straight

140mm, 5 1/2"	140-332-140
160mm, 6 1/4"	140-332-160
180mm, 7"	140-332-180
200mm, 8"	140-332-200
220mm, 8 2/3"	140-332-220
240mm, 9 1/2"	140-332-240
260mm, 10 1/4"	140-332-260
300mm, 11 7/8"	140-332-300
355mm, 14"	140-332-355

curved

140mm, 5 1/2"	140-333-140
160mm, 6 1/4"	140-333-160
180mm, 7"	140-333-180
200mm, 8"	140-333-200
220mm, 8 2/3"	140-333-220
240mm, 9 1/2"	140-333-240
260mm, 10 1/4"	140-333-260
300mm, 11 7/8"	140-333-300
355mm, 14"	140-333-355



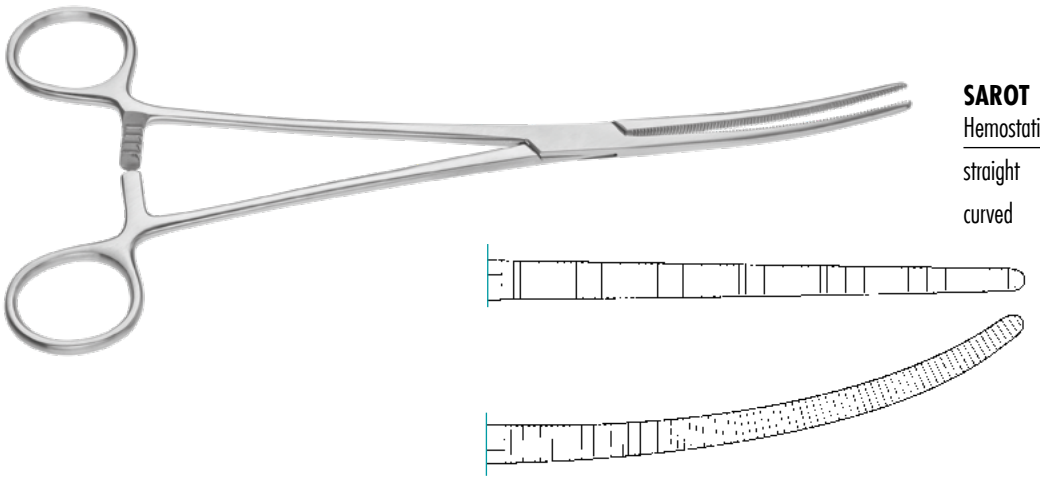
KOCHER

Delicate Hemostatic Forceps, 1x2 teeth, straight

130mm, 5 1/8"	140-318-130
140mm, 5 1/2"	140-318-140
160mm, 6 1/4"	140-318-160

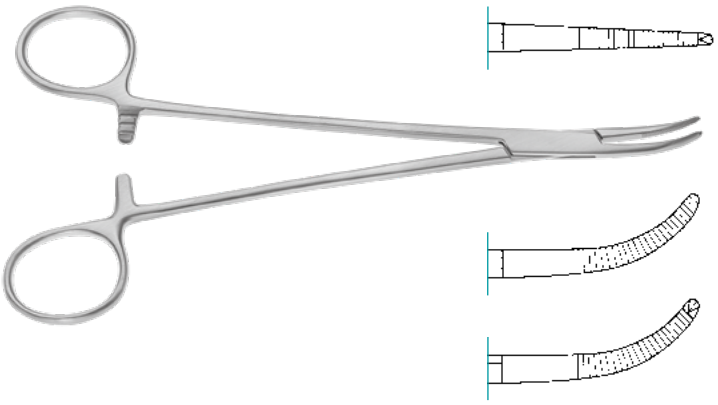
curved

130mm, 5 1/8"	140-319-130
140mm, 5 1/2"	140-319-140
160mm, 6 1/4"	140-319-160



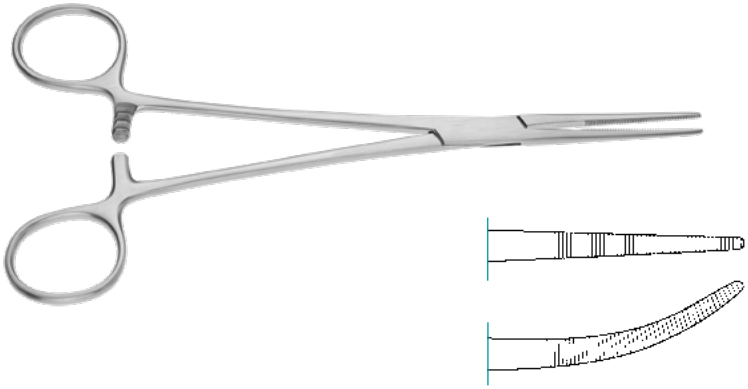
SAROT
Hemostatic Forceps, 240mm, 9 1/2"

straight	140-348-240
curved	140-349-240



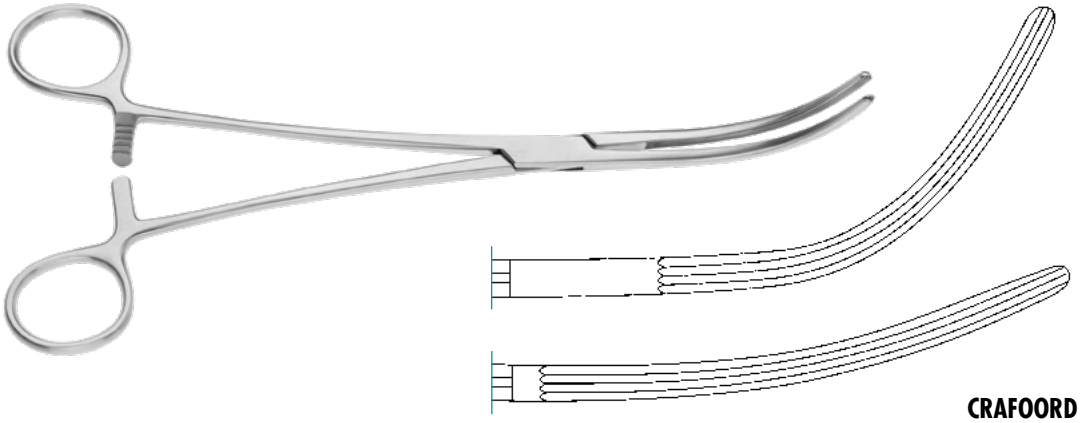
ADSON
Hemostatic Forceps, 185mm, 7 1/4"

serrated, straight	140-366-185
serrated, curved	140-367-185
straight, 1x2 teeth	140-372-185
curved, 1x2 teeth	140-373-185



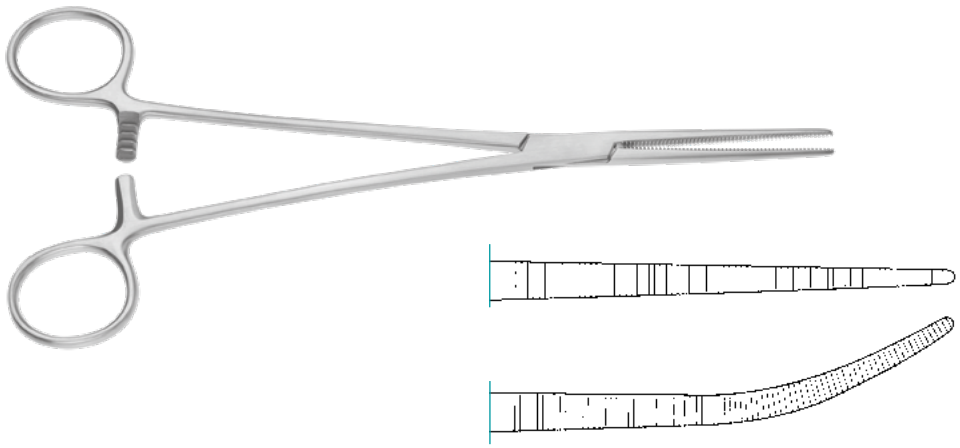
BIRKETT
Hemostatic Forceps, serrated, 185mm, 7 1/4"

straight	140-368-185
curved	140-369-185



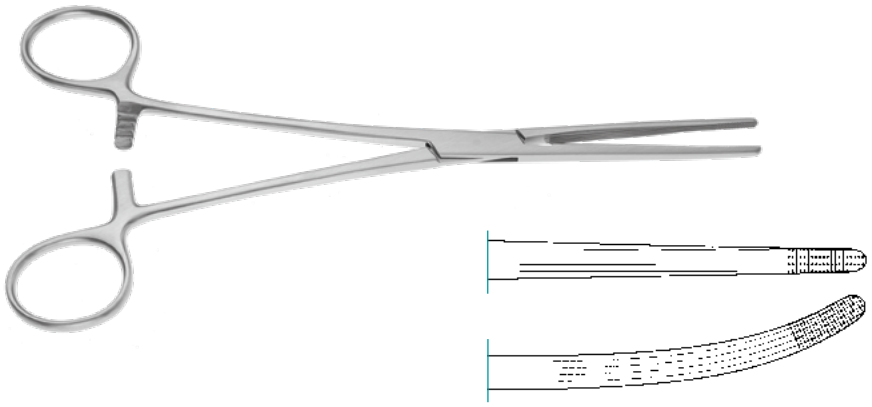
CRAFOORD
Vascular Clamp, longitudinal serration, slightly curved, elastic jaw

230mm, 9"	140-383-230
medium curved	
240mm, 9 1/2"	140-385-240



ROBERTS
Hemostatic Forceps, 220mm, 8 2/3"

straight	140-452-220
curved	140-453-220

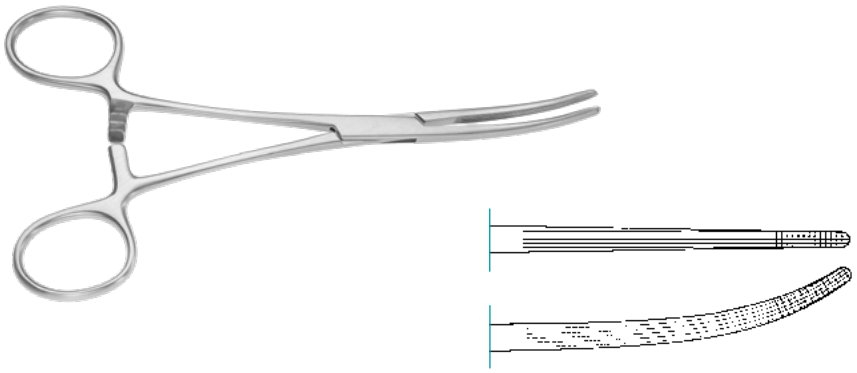


ROCHESTER CARMALT
Hemostatic Forceps, longitudinal serration, cross-serrated tip, straight

160mm, 6 1/4"	140-314-160
200mm, 8"	140-314-200

curved

160mm, 6 1/4"	140-315-160
200mm, 8"	140-315-200

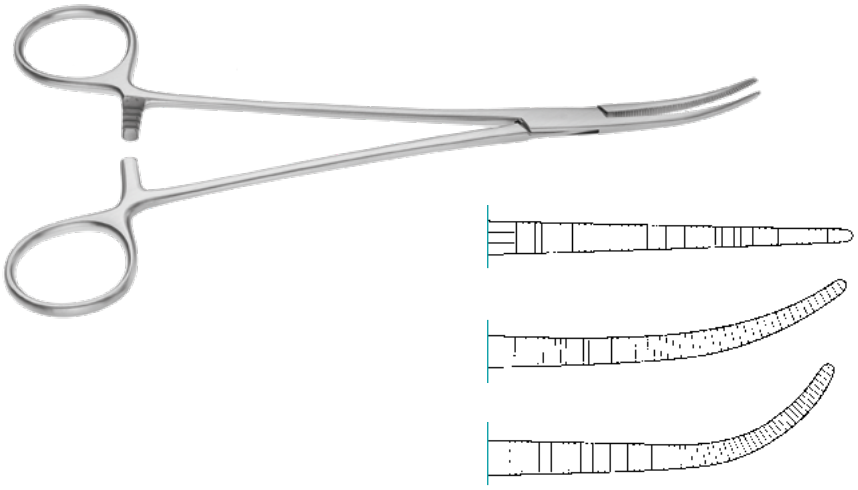


BAINBRIDGE
Intestinal Forceps, longitudinal serration, cross-serrated tip, straight

150mm, 6"	140-442-150
185mm, 7 1/4"	140-442-185

curved

150mm, 6"	140-443-150
185mm, 7 1/4"	140-443-185



HEISS
Dissecting and Ligature Forceps, straight, Fig. 1

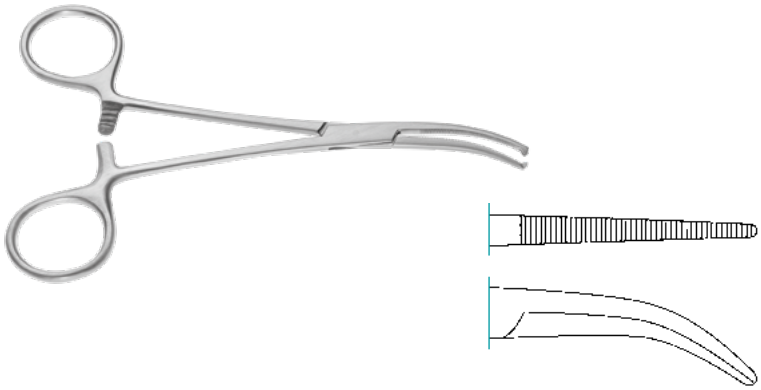
200mm, 8"	140-340-200

slightly curved, Fig. 2

200mm, 8"	140-341-200

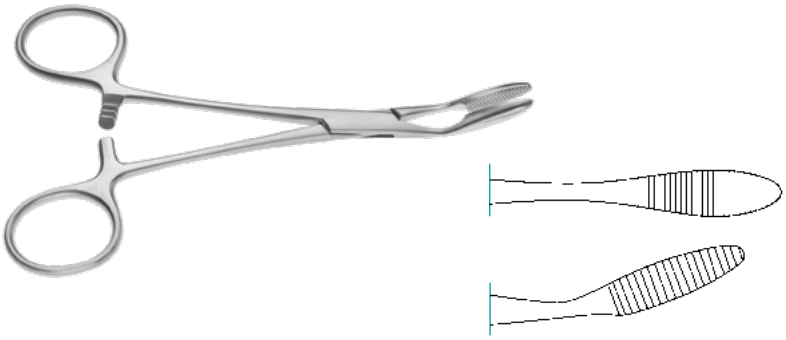
strongly curved, Fig. 3

200mm, 8"	140-343-200



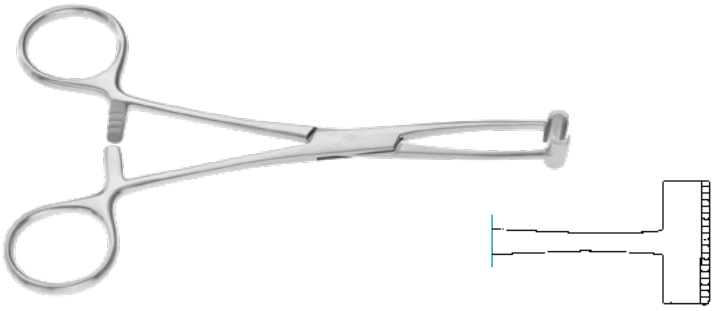
DANDY
Hemostatic Forceps, laterally curved, 140mm, 5 1/2"

serrated	140-301-140
1x2 teeth	140-303-140



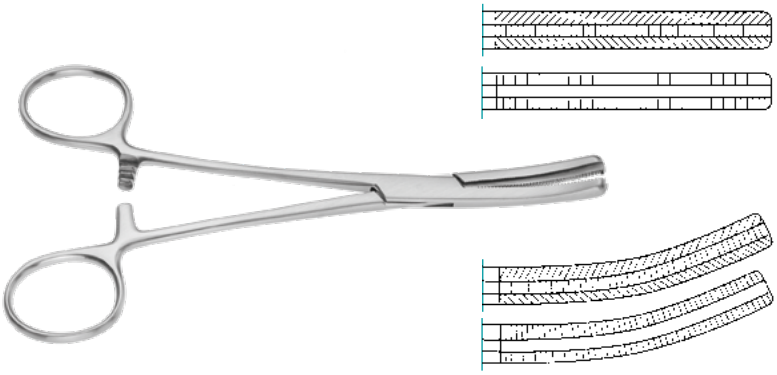
PEAN
Hemostatic Forceps, serrated, straight

125mm, 4 3/4"	140-228-125
140mm, 5 1/2"	140-228-140
160mm, 6 1/4"	140-228-160
curved	
140mm, 5 1/2"	140-229-140



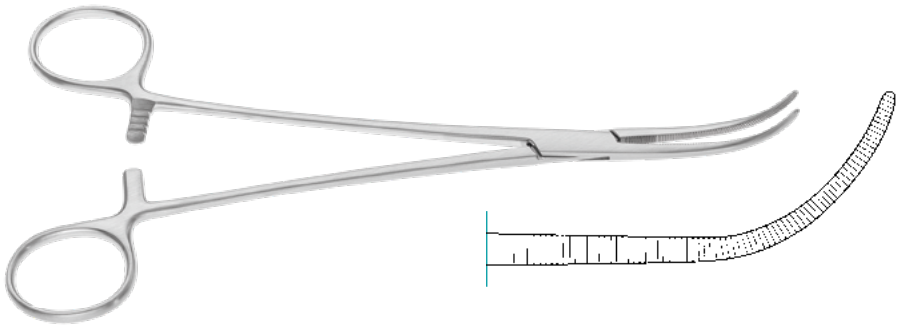
PRATT
T-Clamp, straight

150mm, 6"	140-282-150



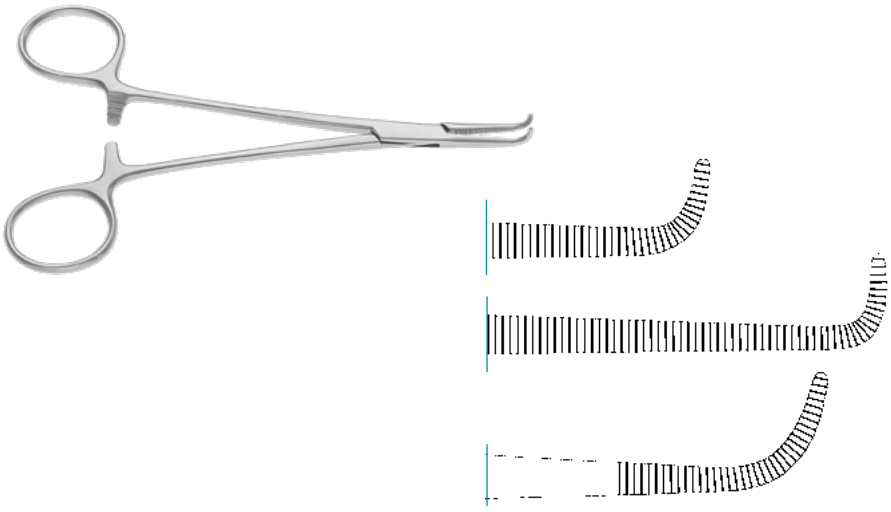
FERGUSSON
Pressure Clamp, straight

160mm, 6 1/4"	140-300-160
curved	
160mm, 6 1/4"	140-301-160



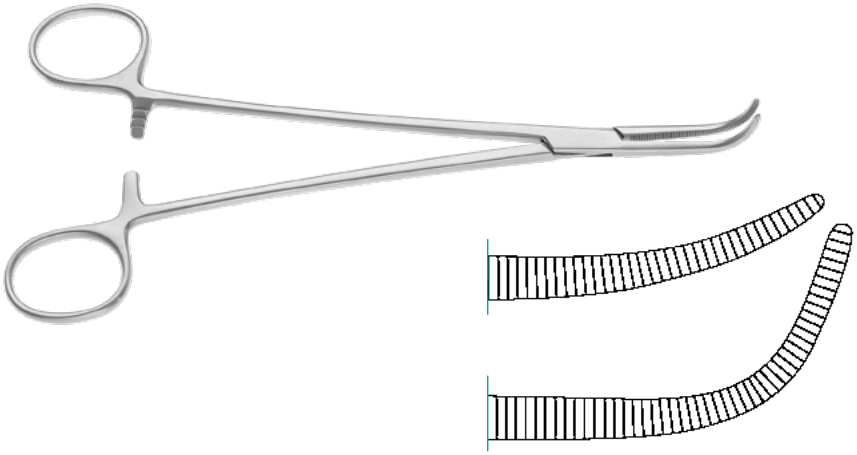
OVERHOLT MIXTER
Dissecting and Ligature Forceps, curved

210mm, 8 1/4"	140-345-210



DIETHRICH
Clamp, serrated, right angled

125mm, 5"	140-401-125
140mm, 5 1/2"	140-401-140
180mm, 7"	140-401-180

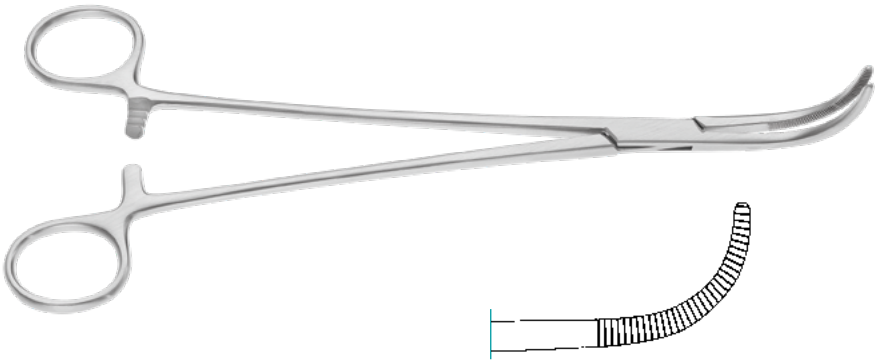


VARCO
Gallbladder Forceps, slightly curved

190mm, 7 1/2"	140-403-190

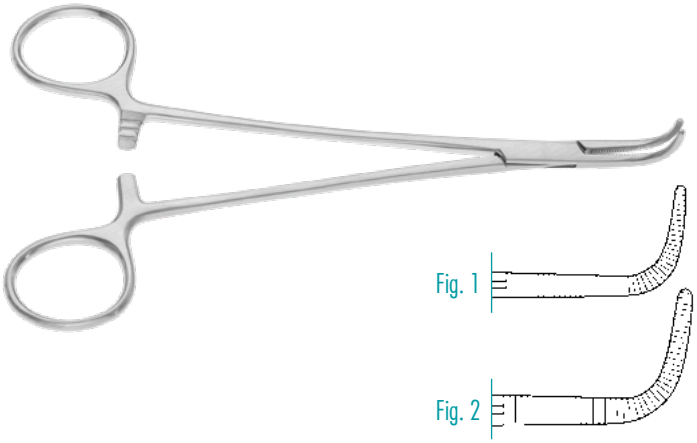
fully curved

200mm, 8"	140-403-200



MIXTER
Dissecting and Ligature Forceps,
partially serrated

220mm, 8 2/3"	140-427-220
230mm, 9"	140-429-230

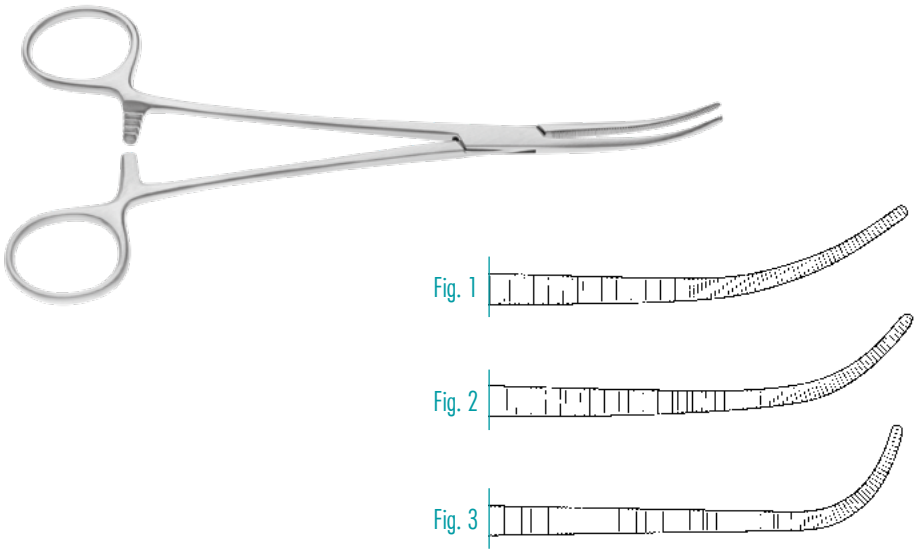


MEEKER
Kidney Pedicle Clamp, curved,
Fig. 1

180mm, 7"	140-619-180

Fig. 2

280mm,11"	140-619-275



KELLY
Dissecting Forceps, fully serratrd,
Fig. 1

190mm, 7 1/2"	140-633-190
220mm, 8 2/3"	140-633-220
240mm, 9 1/2"	140-633-240

Fig. 2

190mm, 7 1/2"	140-635-190
220mm, 8 2/3"	140-635-220
240mm, 9 1/2"	140-635-240

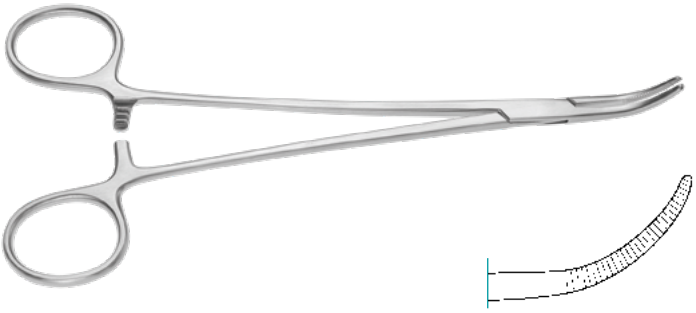
Fig. 3

190mm, 7 1/2"	140-637-190
220mm, 8 2/3"	140-637-220
240mm, 9 1/2"	140-637-240



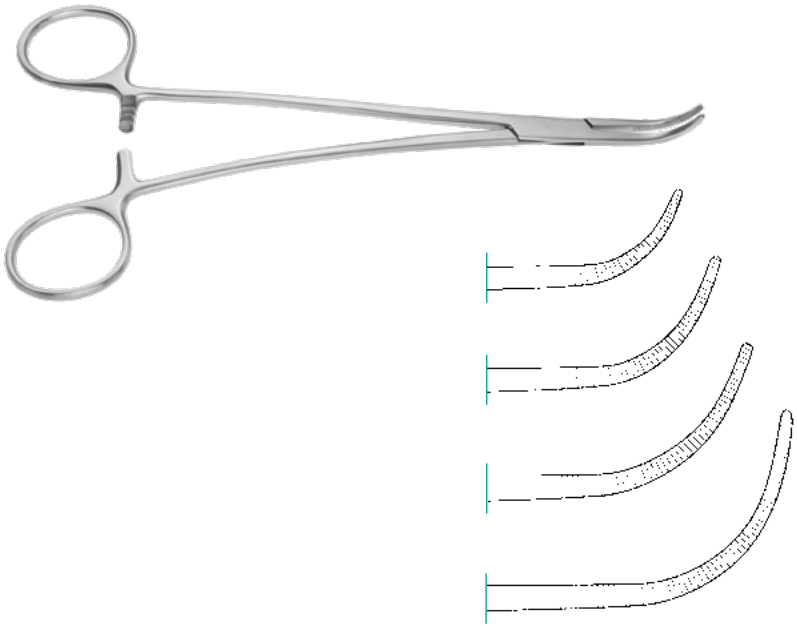
BABY MIXTER
Dissecting and Ligature Forceps,
serrated, curved

140mm, 5 1/2"	140-421-140



BABY MIXTER
Dissecting and Ligature Forceps,
serratd, curved

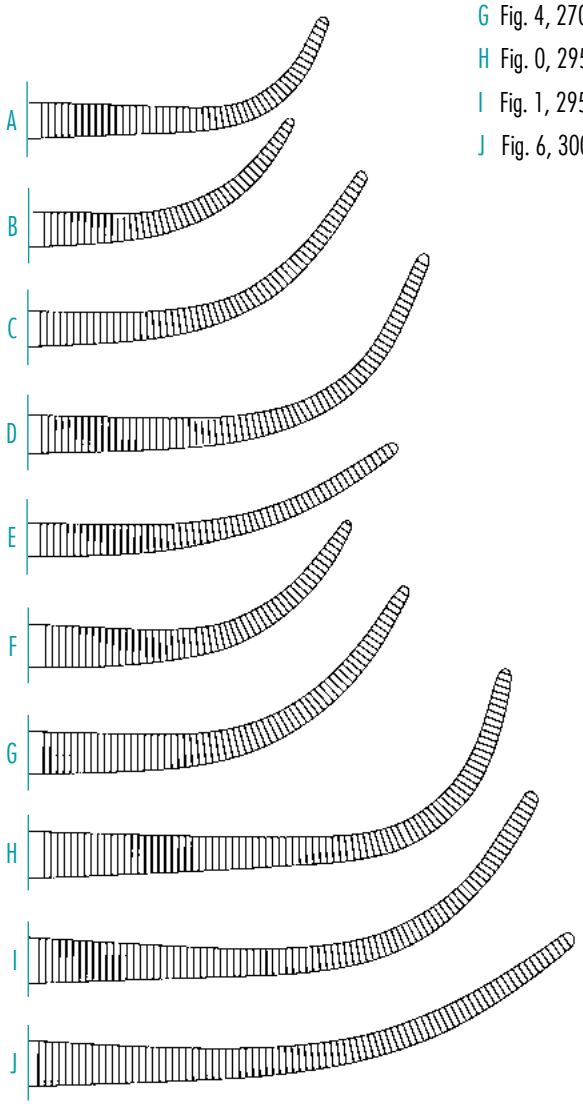
180mm, 7"	140-337-180



OVERHOLT
Dissecting and Ligature Forceps,
serrated, s-curved

185mm, 7 1/2"	140-135-185
205mm, 8"	140-135-205
210mm, 8 1/4"	140-135-210
215mm, 8 1/2"	140-135-215

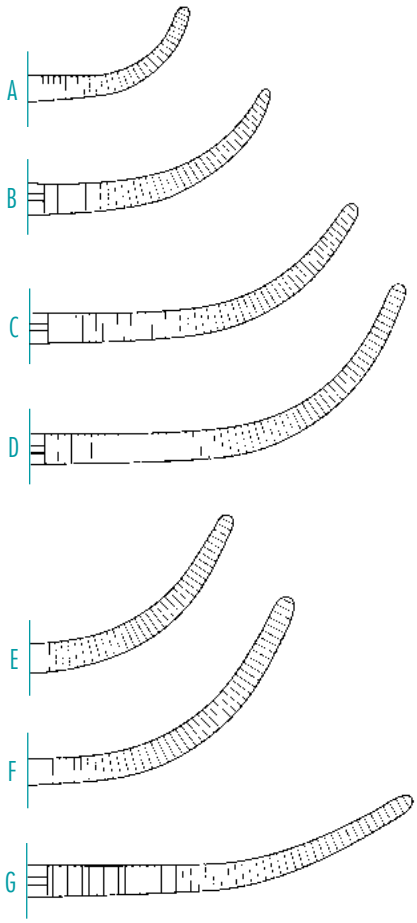




OVERHOLT
Ligature Forceps, fully serrated jaw, curved

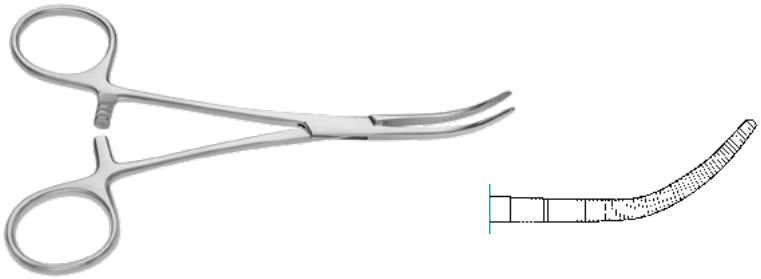
A	Fig. 0, 215mm, $8^{1/2}$″	140-137-000
B	Fig. 1, 210mm, $8^{1/4}$″	140-137-001
C	Fig. 2, 220mm, $8^{2/3}$″	140-137-002
D	Fig. 3, 225mm, $8^{7/8}$″	140-137-003
E	Fig. 6, 225mm, $8^{7/8}$″	140-137-006
F	Fig. 1, 270mm, $10^{2/3}$″	140-137-008
G	Fig. 4, 270mm, $10^{2/3}$″	140-137-014
H	Fig. 0, 295mm, $11^{2/3}$″	140-137-010
I	Fig. 1, 295mm, $11^{2/3}$″	140-137-011
J	Fig. 6, 300mm, $11^{7/8}$″	140-137-016





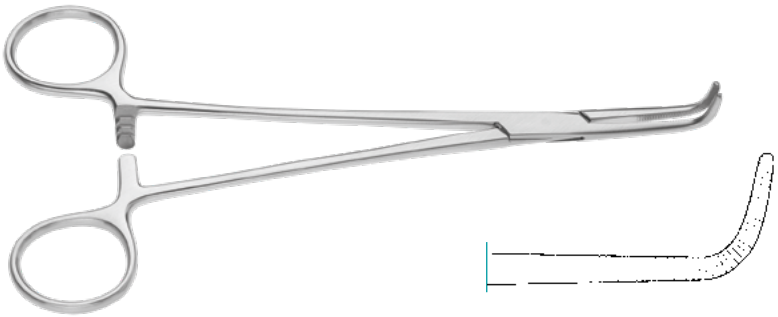
OVERHOLT
Dissecting and Ligature Forceps,
fully serrated, curved

A Fig. 0, 195mm, $7^{3/4}$″	140-443-001
B Fig. 1, 210mm, $8^{1/4}$″	140-443-002
C Fig. 2, 220mm, $8^{2/3}$″	140-443-003
D Fig. 3, 225mm, $8^{7/8}$″	140-443-004
E Fig. 4, 210mm, $8^{1/4}$″	140-443-005
F Fig. 5, 230mm, 9″	140-443-006
G Fig. 6, 225mm, $8^{7/8}$″	140-443-007



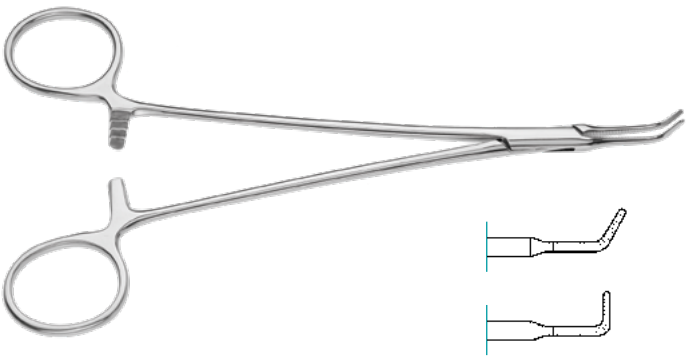
BABY OVERHOLT
Hemostatic Forceps, fully serrated, curved

130mm, 5 1/8"	140-285-135



KANTROWITZ
Thorax Forceps, serrated, curved

190mm, 7 1/2"	140-417-190
240mm, 9 1/2"	140-417-240
280mm, 11"	140-417-280



BAILEY
Hemostatic Forceps, very fine jaw, serrated, 60° angled, polished jaw

200mm, 8"	140-144-060

90° angled

180mm, 7"	140-144-090



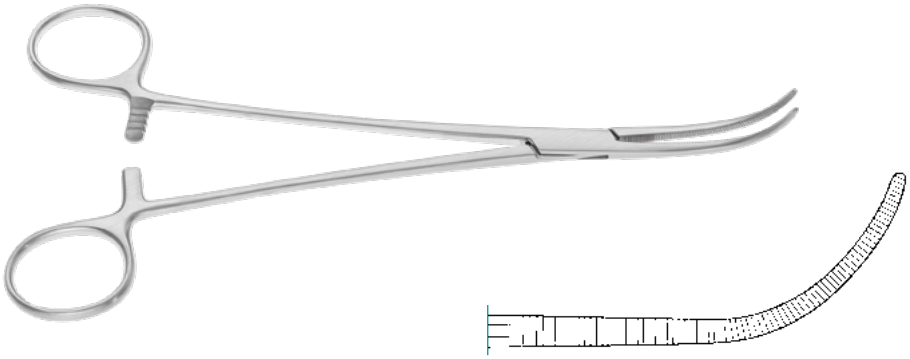
MICRO ADSON
Dissecting Forceps, curved

140mm, 5 1/2"	140-338-140



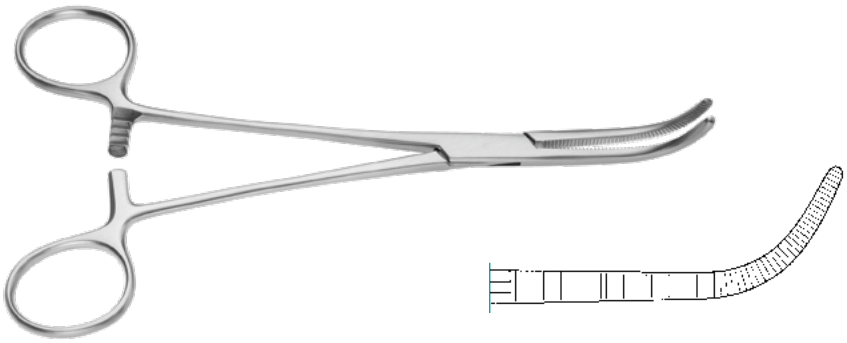
BABY ADSON
Dissecting Forceps, curved

140mm, 5 1/2"	140-339-140
180mm, 7"	140-339-180



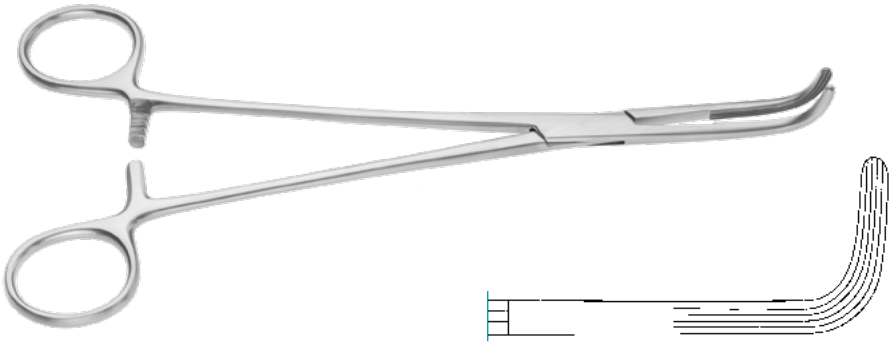
OVERHOLT MIXTER
Ligature Forceps, curved

210mm, 8 1/4"	140-345-210



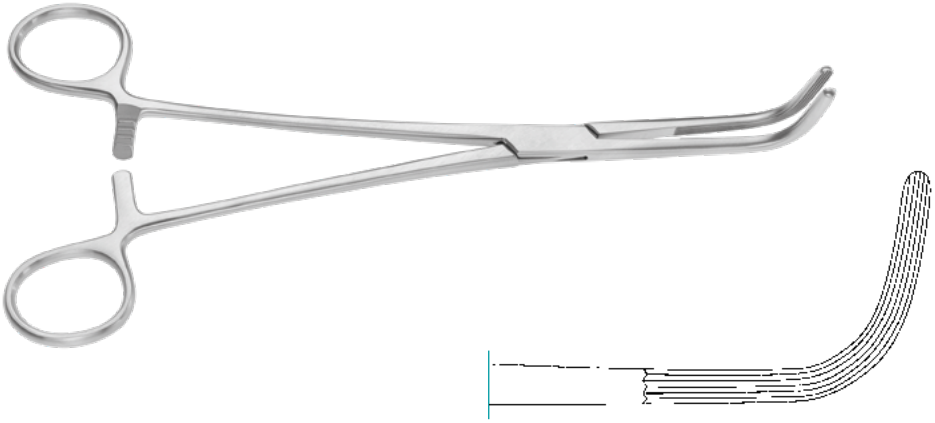
MIXTER O'SHAUGNESSY
Hemostatic Forceps, curved

155mm, $6^{1/8}$"	140-425-155
190mm, $7^{1/2}$"	140-425-190



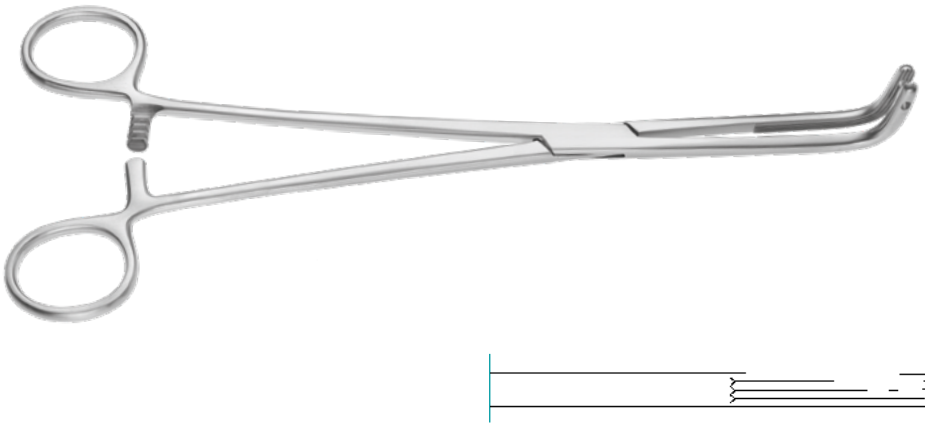
MIXTER
Gall Duct Clamp, longitudinal serrations

220mm, $8^{2/3}$"	140-433-220
250mm, $9^{7/8}$"	140-433-250
280mm, 11"	140-433-280



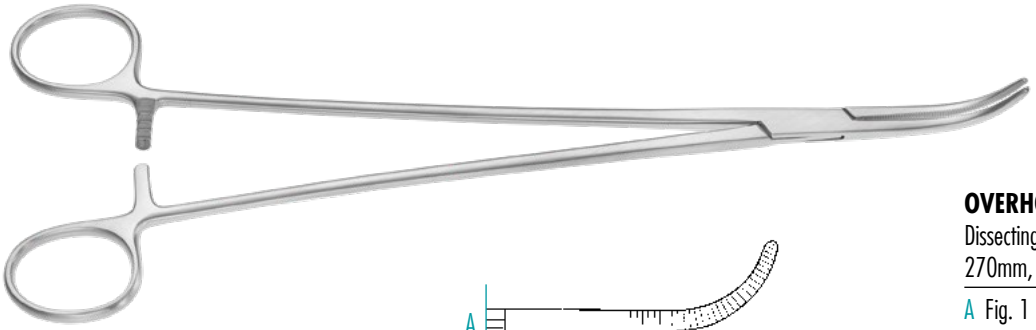
MCQUIGG MIXTER
Hemostatic Forceps, longitudinal serration

220mm, $8^{2/3}$"	140-435-220



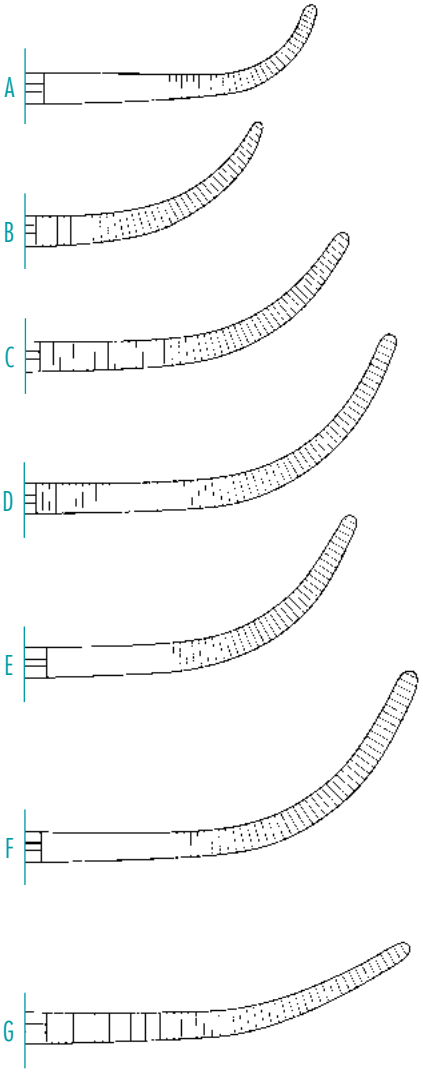
FINOCHIETTO
Ligature Forceps, longitudinal serations, with hole

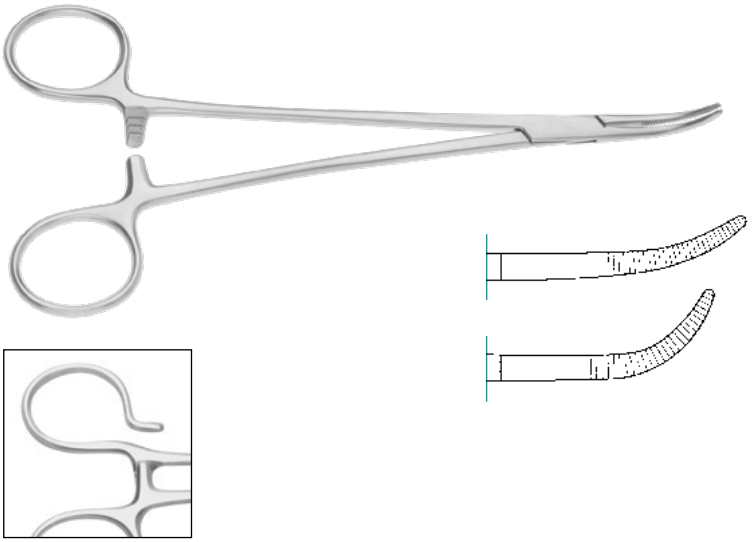
240mm, 9 1/2"	140-440-240



OVERHOLT GEISSENDOERFER
Dissecting - and Ligature Forceps
270mm, 10 2/3"

A Fig. 1	140-447-001
B Fig. 2	140-447-002
C Fig. 3	140-447-003
D Fig. 4	140-447-004
E Fig. 5	140-447-005
F Fig. 6	140-447-006
G Fig. 7	140-447-007





SCHNIDT SAWTELL

Tonsil Seizing Forceps, slightly curved

190mm, 7 1/2"	140-628-190

strongly curved

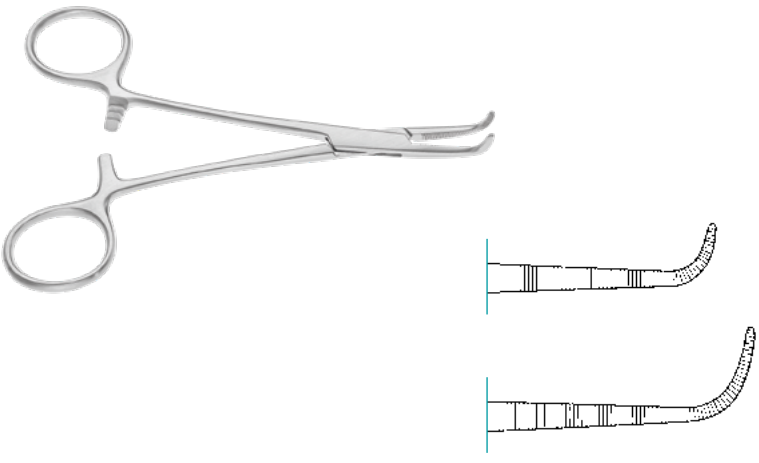
190mm, 7 1/2"	140-629-190

slightly curved, with one open ring

190mm, 7 1/2"	140-630-190

strongly curved, with one open ring

190mm, 7 1/2"	140-631-190



MINI GEMINI

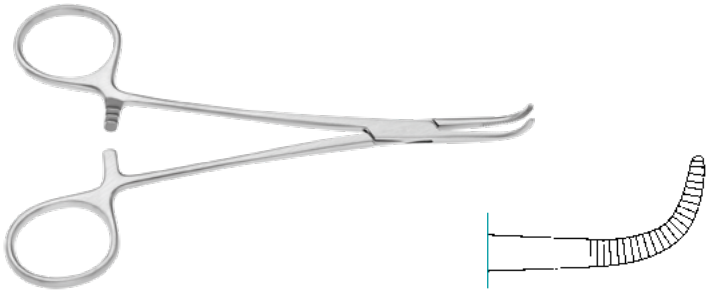
Dissecting Forceps, fully serrated, curved

130mm, 5 1/8"	140-359-130
160mm, 6 1/4"	140-359-160
180mm, 7"	140-359-180
200mm, 8"	140-359-200
220mm, 8 2/3"	140-359-220
230mm, 9"	140-359-230
250mm, 9 7/8"	140-359-250
280mm, 11"	140-359-280

GEMINI

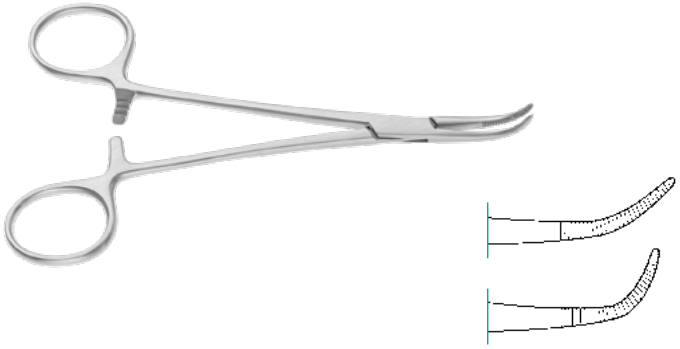
Dissecting Forceps, fully serrated, curved

130mm, 5 1/8"	140-361-130
160mm, 6 1/4"	140-361-160
180mm, 7"	140-361-180
200mm, 8"	140-361-200
220mm, 8 2/3"	140-361-220
230mm, 9"	140-361-230
250mm, 9 7/8"	140-361-250
280mm, 11"	140-361-280



PETIT POINT MIXTER
Artery Forceps, 90° angled

140mm, 5 1/2"	140-373-140
180mm, 7"	140-373-180

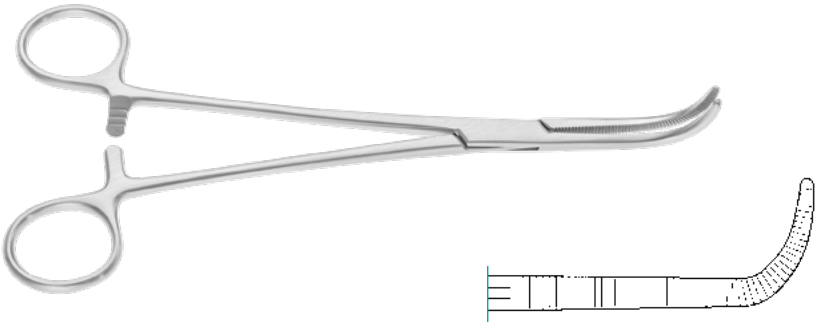


BABY MIXTER
Artery Forceps, slightly curved

140mm, 5 1/2"	140-244-140

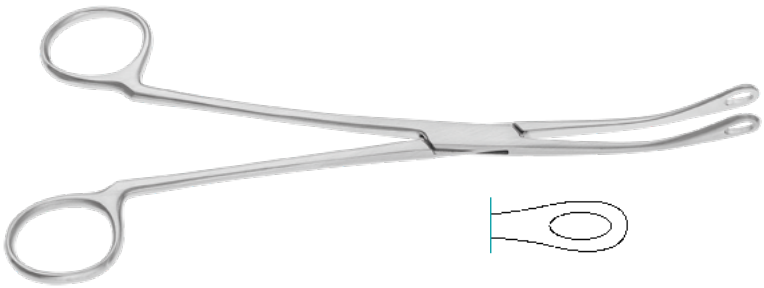
strongly curved

140mm, 5 1/2"	140-245-140



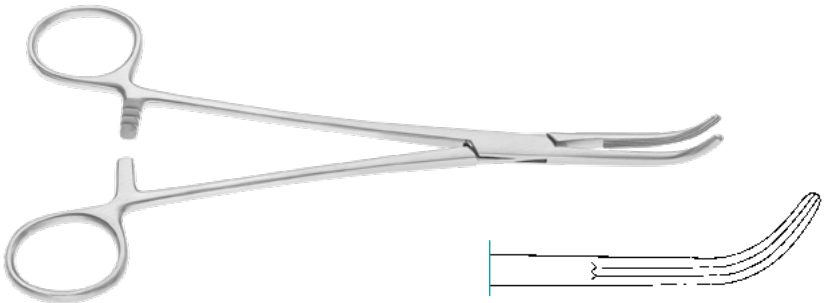
MIXTER
Forceps, fully serrated

155mm, 6 1/8"	140-423-155
190mm, 7 1/2"	140-423-190



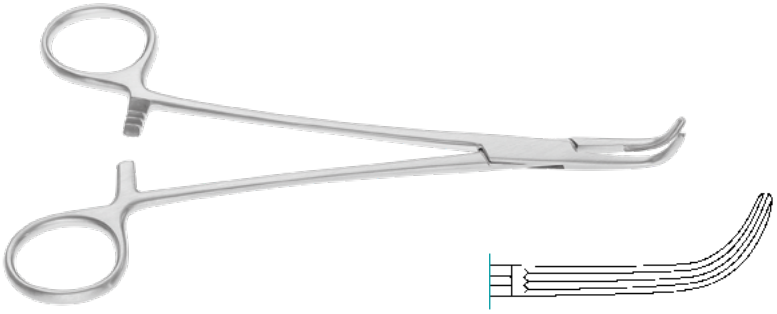
BLAKE
Gall Stone Forceps, 200mm, 8"

straight	320-117-200
curved	320-116-200



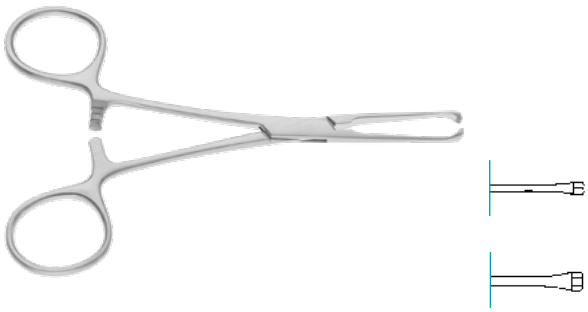
LAHEY
Gall Duct Forceps, curved, longitudinal serration

190mm, 7 1/2"	140-439-190
190mm, 7 1/2", fine tip	140-432-190
230mm, 9"	140-439-230



LOWER
Gall Duct Forceps, curved, longitudinal serration

185mm, 7 1/4"	140-437-180



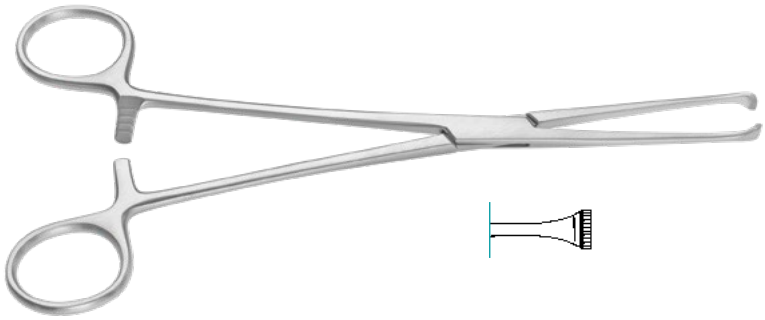
PETIT ALLIS

Tissue Forceps, 2x3 teeth

120mm, 4 3/4"	310-008-120
150mm, 6"	310-008-150

3x4 teeth

120mm, 4 3/4"	310-009-120
150mm, 6"	310-009-150



ALLIS

Tissue Forceps, 5mm wide, 4x5 teeth

200mm, 8"	310-031-200



BABY ALLIS

Tissue Forceps, 4x5 teeth

120mm, 4 3/4"	310-010-120
150mm, 6"	310-010-150
190mm, 7 1/2"	310-010-190



ALLIS

Tissue Forceps, 7mm wide, 5x6 teeth

150mm, 6"	310-014-150
190mm, 7 1/2"	310-014-190
220mm, 8 2/3"	310-014-220
250mm, 9 7/8"	310-014-250



ALLIS ATRAUMA

Tissue Forceps, 7.3mm wide

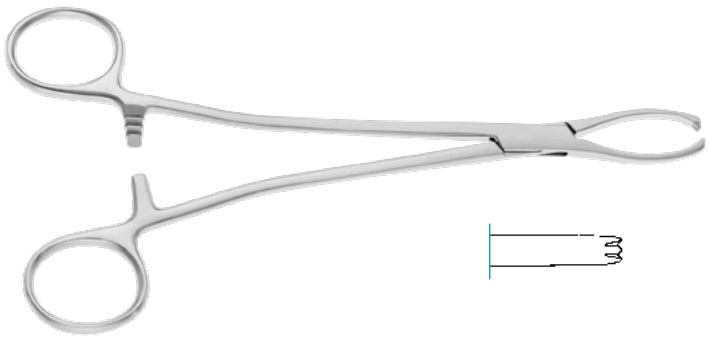
160mm, 6 1/4"	310-020-160
200mm, 8"	310-020-200
250mm, 9 7/8"	310-020-250



JUDD ALLIS

Tissue Forceps, 3x4 teeth, 4mm wide

150mm, 6"	310-028-150
4.3mm wide	
190mm, 7 1/2"	310-026-190



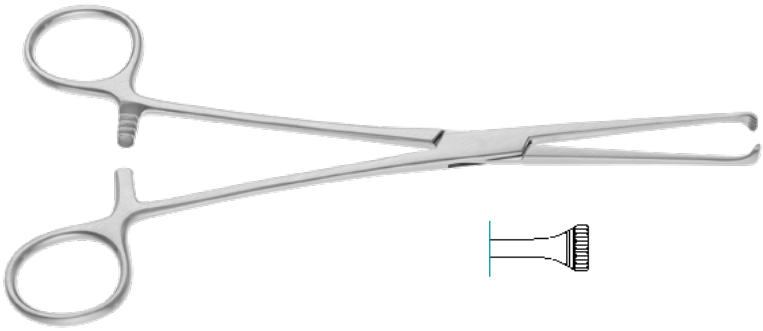
LITTLEWOOD
Tissue Forceps, 2x3 teeth

185mm, 7 1/4"	310-025-185



ALLIS ADAIR
Tissue Forceps, 9x10 teeth, 10mm wide

155mm, 6 1/8"	310-027-155



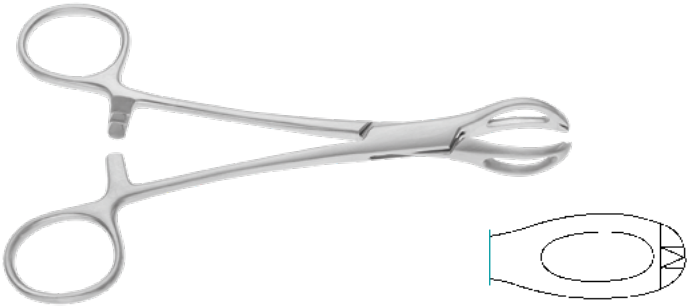
THOMS ALLIS
Tissue Forceps, 6x7 teeth, 7.25mm wide

200mm, 8"	310-030-200



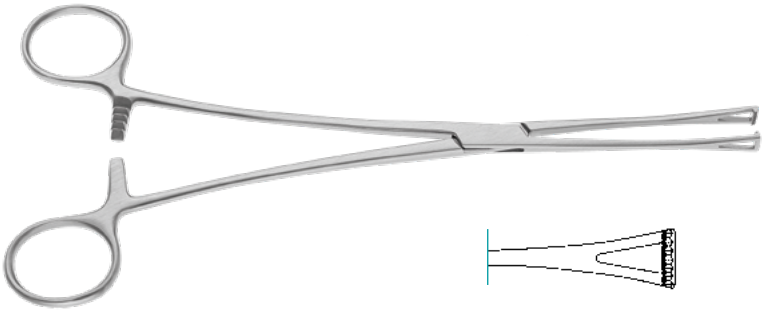
BOYS ALLIS
Tissue Grasping Forceps, 5x6 teeth, 5.2mm wide

155mm, 6 1/8"	310-029-155



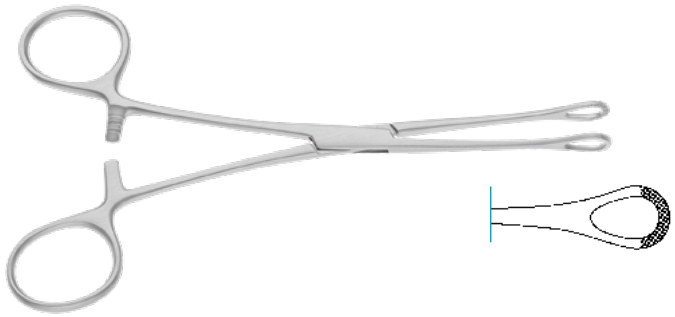
LANE
Grasping Forceps, 1x2 teeth

150mm, 6"	310-030-150
195mm, 7 3/4"	310-030-195



LOCKWOOD
Intestinal Grasping Forceps, 6mm wide

200mm, 8"	310-100-200



WILLIAMS

Intestinal Grasping Forceps, cross-serrated jaw

160mm, 6 1/4"	310-115-160



PETIT BABCOCK

Intestinal Grasping Forceps, 5mm wide

130mm, 5 1/8"	310-105-130
5.6mm wide	
150mm, 6"	310-105-150
7.5mm wide	
155mm, 6 1/8"	310-105-155



BABCOCK

Tissue Forceps, 8mm wide

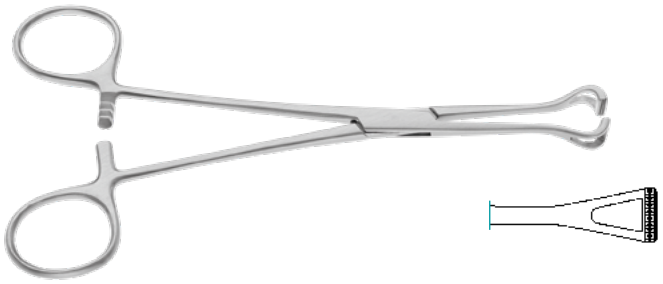
160mm, 6 1/4"	310-110-160
10.5mm wide	
180mm, 7"	310-110-180
11mm wide	
200mm, 8"	310-110-200
11.8mm wide	
240mm, 9 1/2"	310-110-240
11.5mm wide	
300mm, 11 7/8"	310-110-300
12mm wide	
355mm, 14"	310-110-355



TC BABCOCK

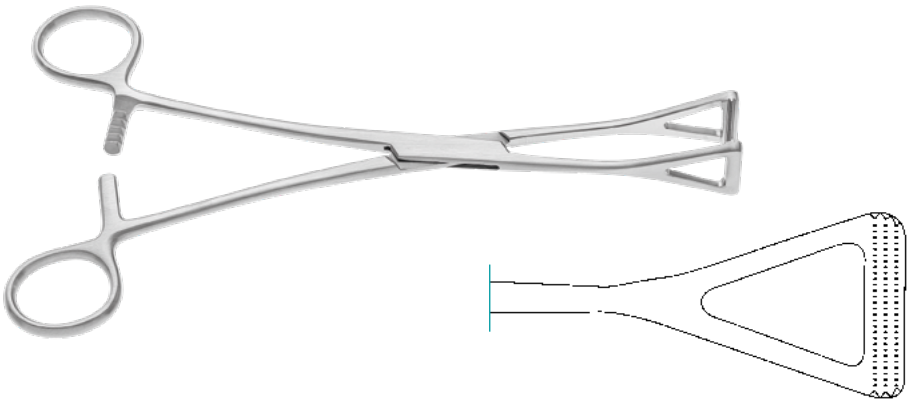
Tissue Forceps, 8.5mm wide

160mm, 6 1/4"	310-118-160
10.5mm wide	
200mm, 8"	310-118-200



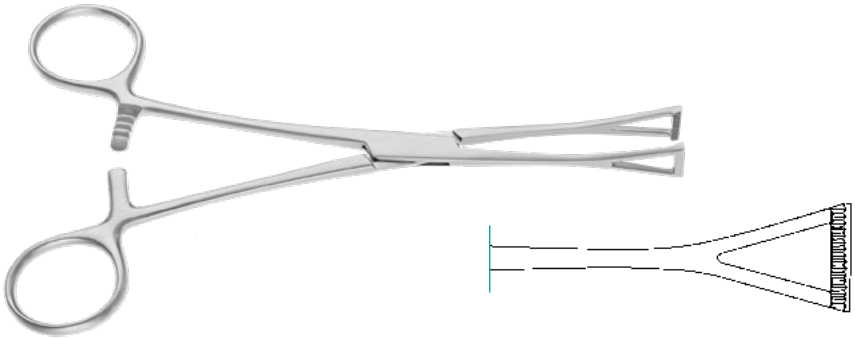
BABCOCK ATRAUMA
Tissue Forceps

160mm, 6 1/4"	310-111-160
200mm, 8"	310-111-200



COLLIN ATRAUMA
Tissue Forceps

195mm, 7 3/4"	310-295-195
230mm, 9"	310-295-230



DUVAL
Tissue Forceps, 16mm wide

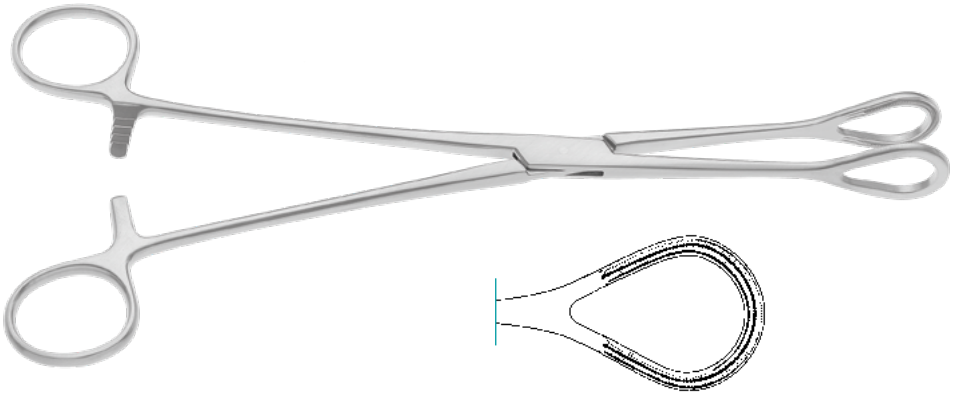
180mm, 7"	310-112-180
200mm, 8"	310-112-200

26mm wide

200mm, 8"	310-114-200
230mm, 9"	310-114-230

TC DUVAL

200mm, 8"	310-113-200



DEBAKEY ATRAUMA
Intestinal and Organ Grasping Forceps, atraumatic serrations, small ring

250mm, 9 7/8"	140-220-250

large ring

260mm, 10 1/4"	140-220-260



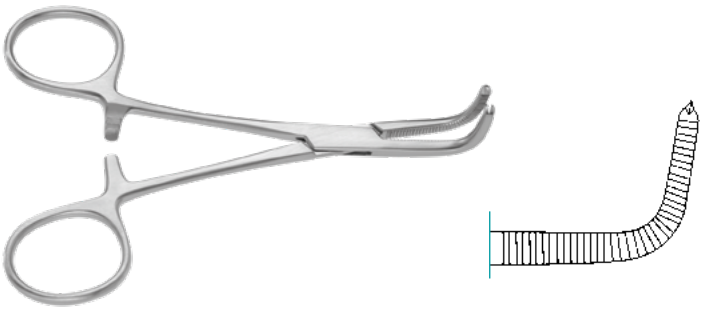
Tobacco Pouch
Colon Rectal Clamp

280mm, 11"	310-500-280



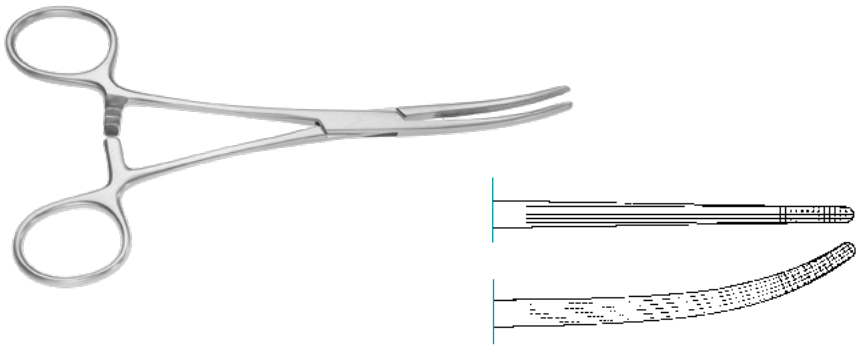
BENSON
Polyrus Spreader

155mm, 6 1/8"	310-116-140



KLEINSCHMIDT
Appendectomy Clamp, 90° angled jaw

130mm, 5 1/8"	140-397-130

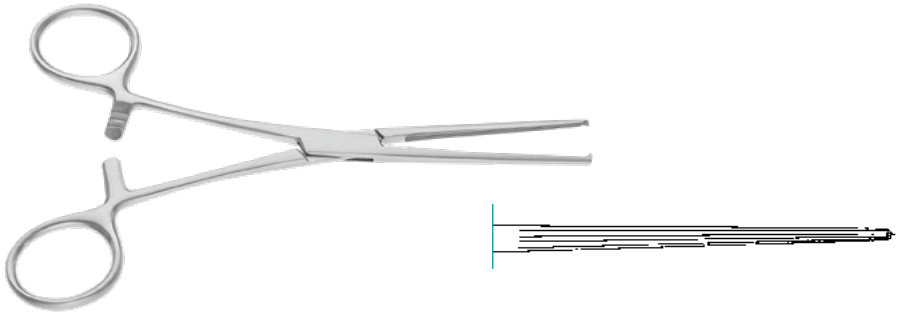


BAINBRIDGE
longitudinal srrations, cross-serrated tip, straight

150mm, 6"	140-442-150
185mm, 7 1/4"	140-442-185

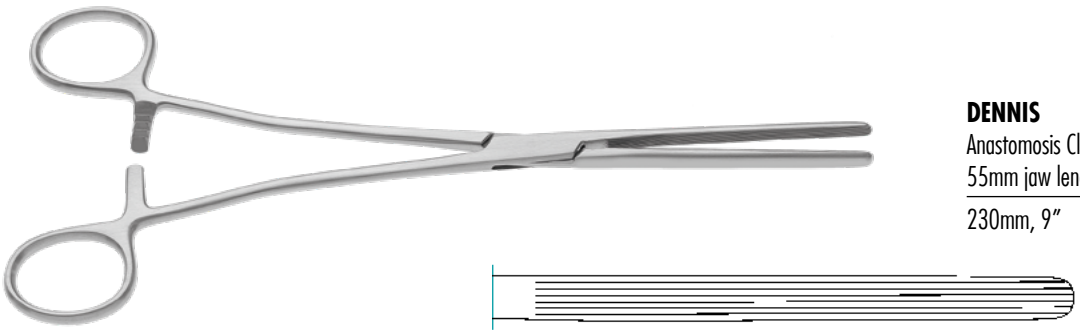
curved

150mm, 6"	140-443-150
185mm, 7 1/4"	140-443-185



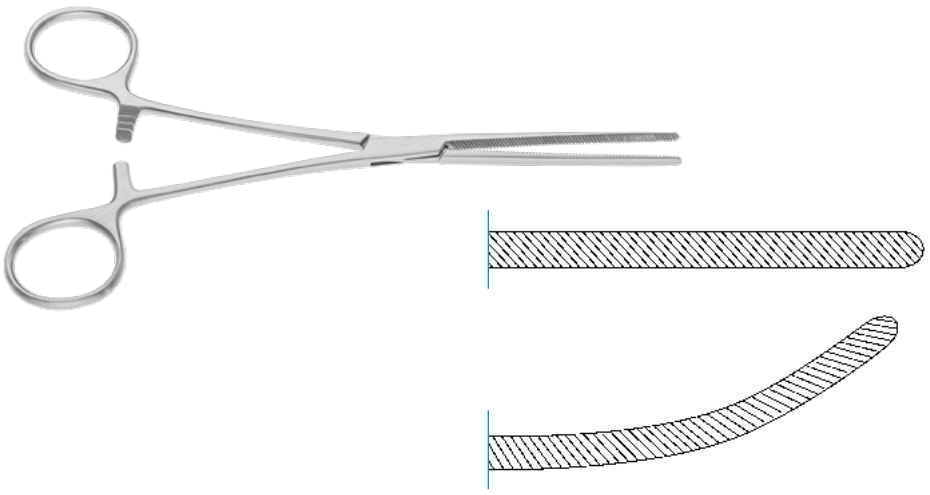
ALLEN
Intestinal Clamp, longitudinal serrations, for children, 1x2 teeth

155mm, 6 1/8"	310-116-155
200mm, 8"	310-116-200
230mm, 9"	310-116-230



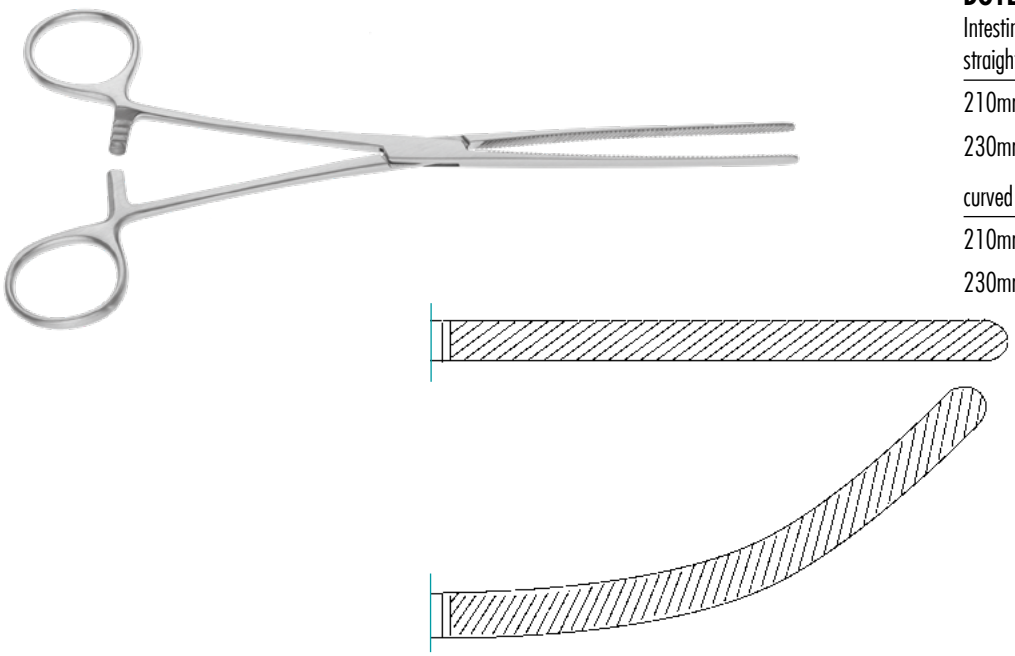
DENNIS
Anastomosis Clamp, longitudinal serrations, 55mm jaw length

230mm, 9"	310-117-230



BABY DOYEN
Intestinal Clamp, diagonal serrations, elastic
180mm, 7″

straight	310-290-180
curved	310-291-180

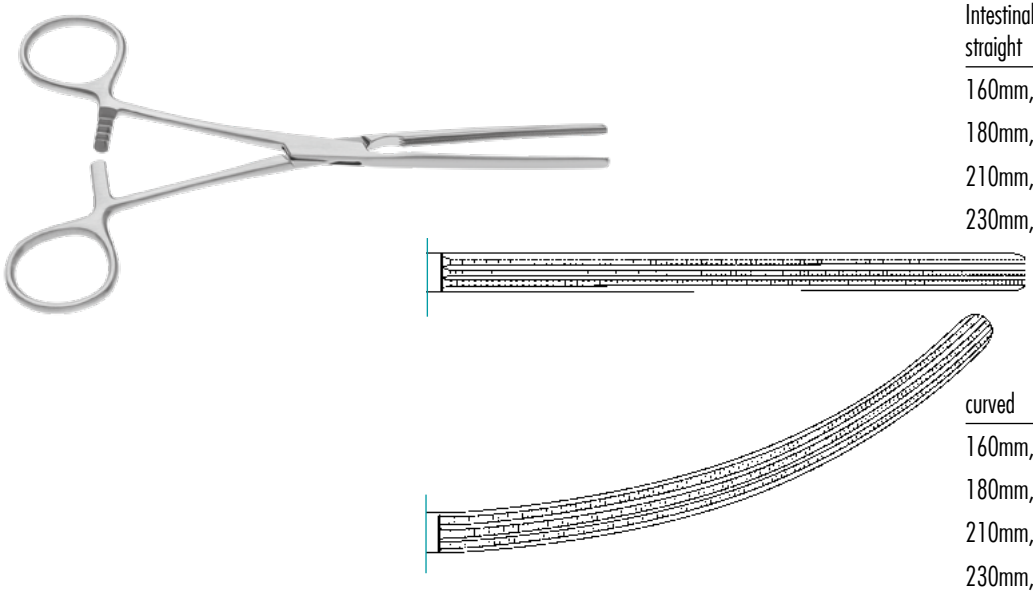


DOYEN
Intestinal Clamp, diagonal serrations, elastic, straight

210mm, 8 1/4″	310-290-210
230mm, 9″	310-290-230

curved

210mm, 8 1/4″	310-291-210
230mm, 9″	310-291-230

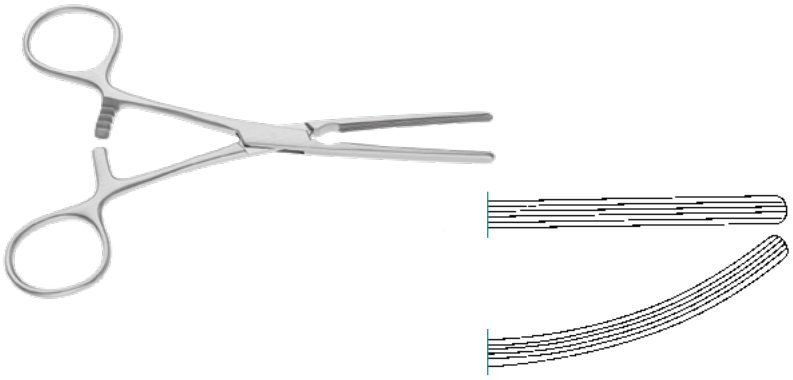


DOYEN ATRAUMATIC
Intestinal Clamp, atraumatic elastic serrations, straight

160mm, 6 1/4″	310-550-160
180mm, 7″	310-550-180
210mm, 8 1/4″	310-550-210
230mm, 9″	310-550-230

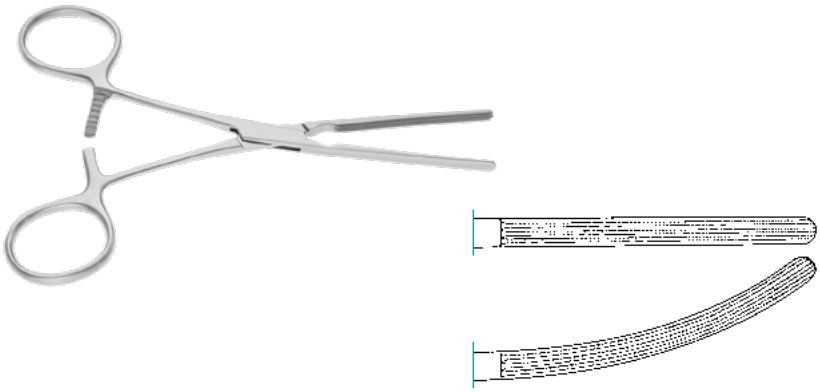
curved

160mm, 6 1/4″	310-551-160
180mm, 7″	310-551-180
210mm, 8 1/4″	310-551-210
230mm, 9″	310-551-230



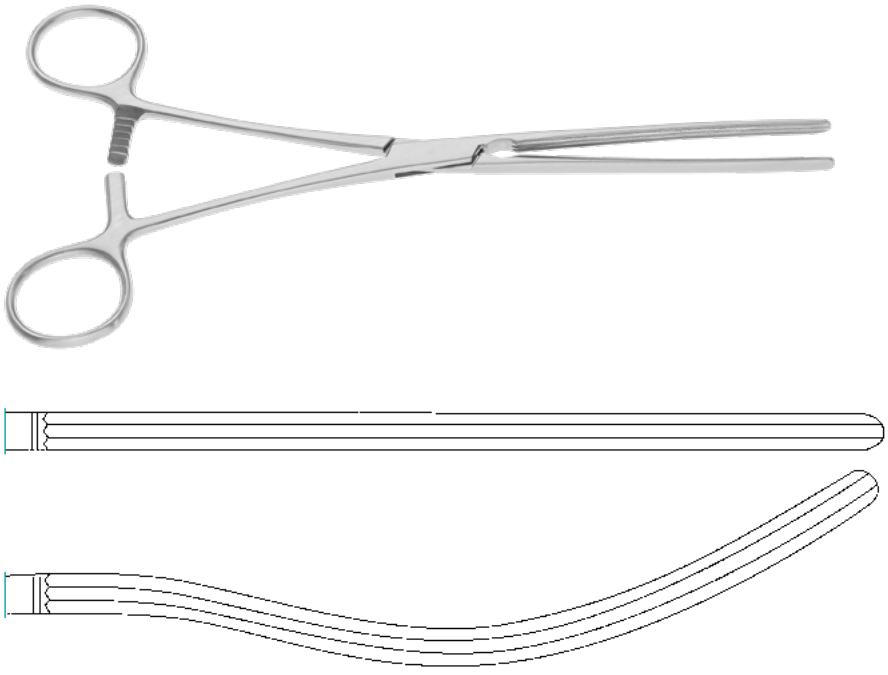
BABY KOCHER
Intestinal Clamp, longitudinal serrations
130mm, 5 1/8"

straight	310-124-130
curved	310-125-130



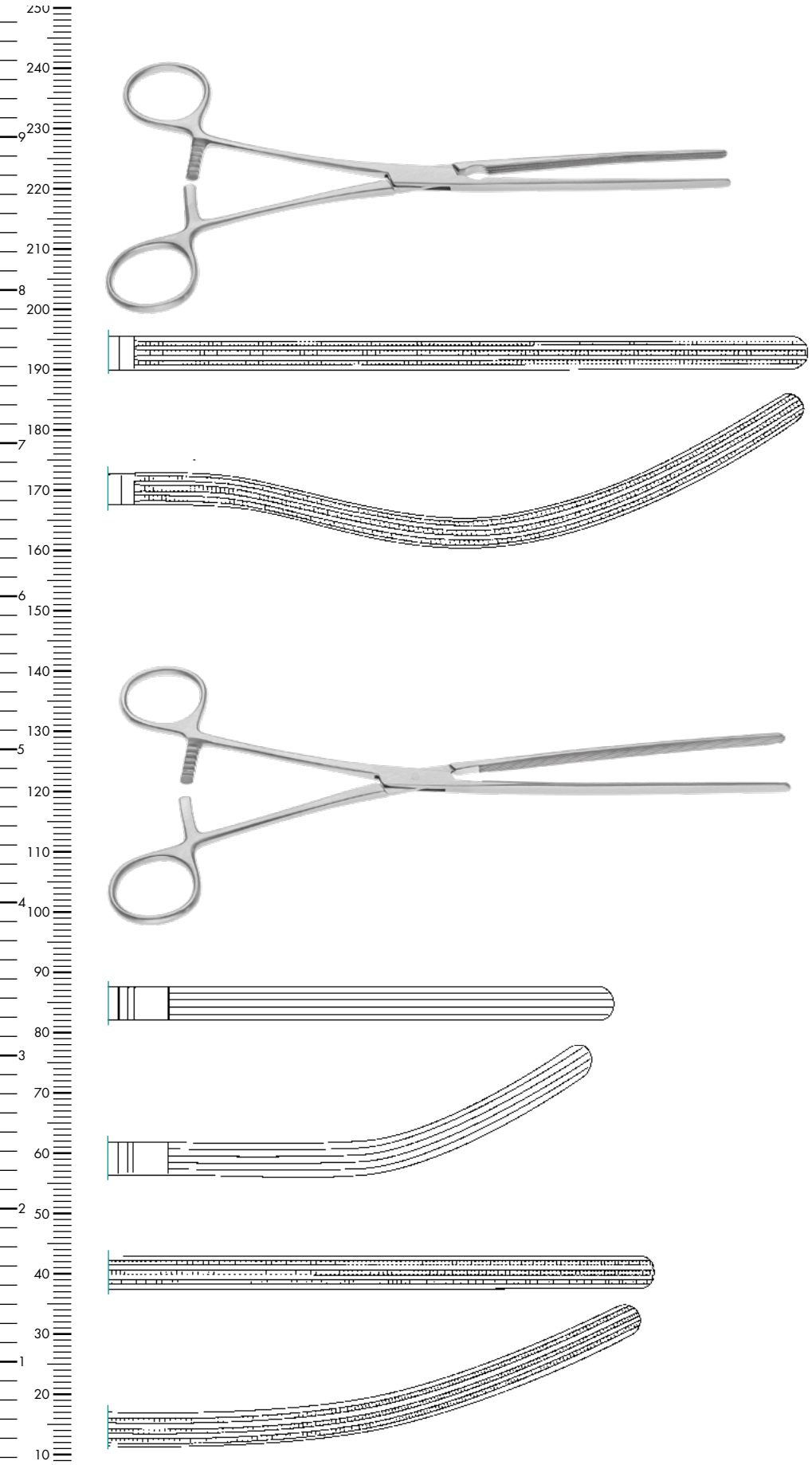
BABY KOCHER
Intestinal Clamp, atraumatic elastic serrations,
130mm, 5 1/8"

straight	310-200-130
curved	310-201-130



KOCHER
Intestinal Clamp, longitudinal serrations, elastic,
straight

220mm, 8 2/3"	310-124-220
250mm, 9 7/8"	310-124-250
280mm, 11"	310-124-280
curved	
220mm, 8 2/3"	310-125-220
250mm, 9 7/8"	310-125-250
280mm, 11"	310-125-280



KOCHER ATRAUMATIC

Intestinal Clamp, atraumatic, elastic serrations, straight

220mm, 8 2/3"	310-126-220
250mm, 9 7/8"	310-126-250
280mm, 11"	310-126-280

curved

220mm, 8 2/3"	310-127-220
250mm, 9 7/8"	310-127-250
280mm, 11"	310-127-280

MAYO ROBSON

Intestinal Clamp, longitudinal serrations straight

210mm, 8 1/4"	310-130-210
230mm, 9"	310-130-230
250mm, 9 7/8"	310-130-250

curved

210mm, 8 1/4"	310-131-210
230mm, 9"	310-131-230
250mm, 9 7/8"	310-131-250

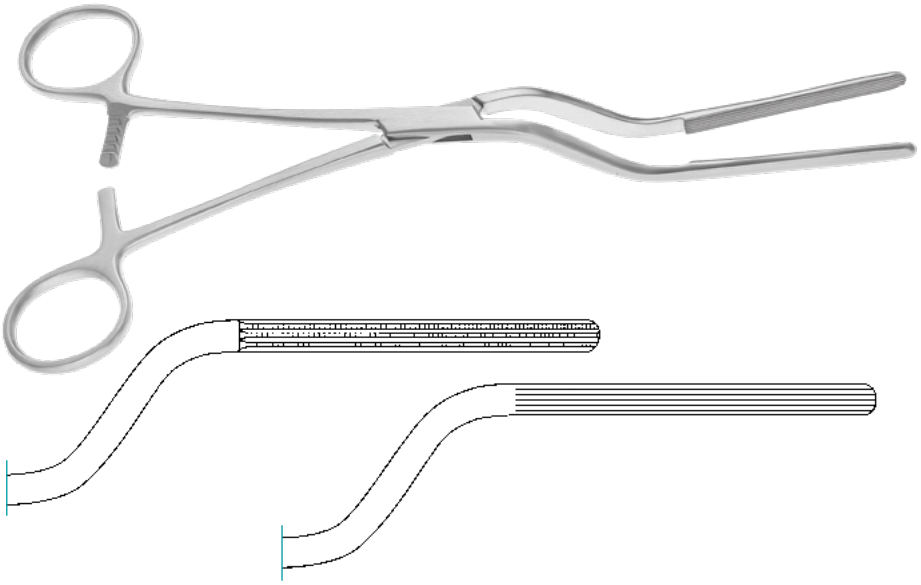
MAYO ROBSON ATRAUMATIC

Intestinal Clamp, atraumatic, elastic serrations straight

210mm, 8 1/4"	310-140-210
230mm, 9"	310-140-230
250mm, 9 7/8"	310-140-250

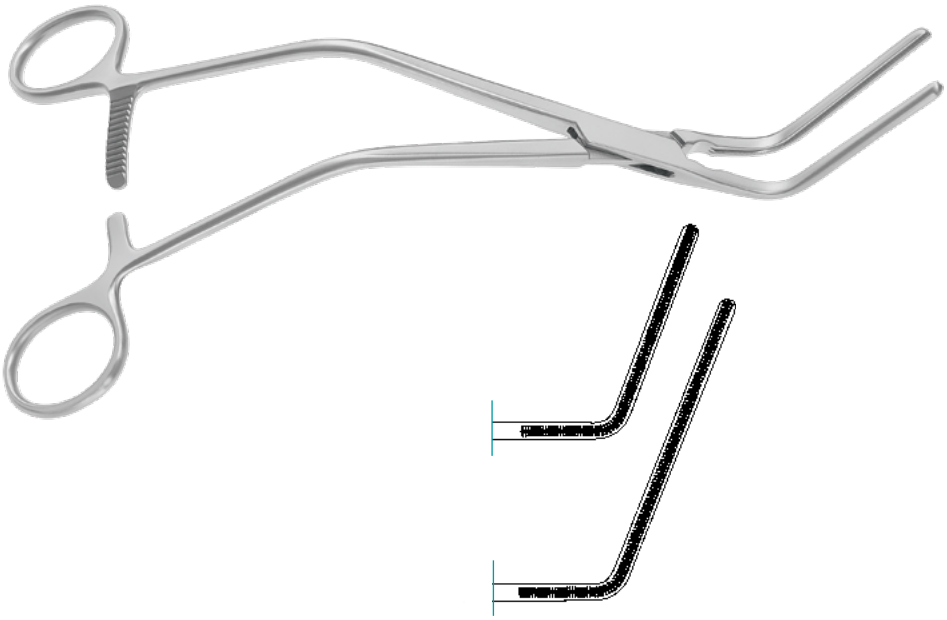
curved

210mm, 8 1/4"	310-141-210
230mm, 9"	310-141-230
250mm, 9 7/8"	310-141-250



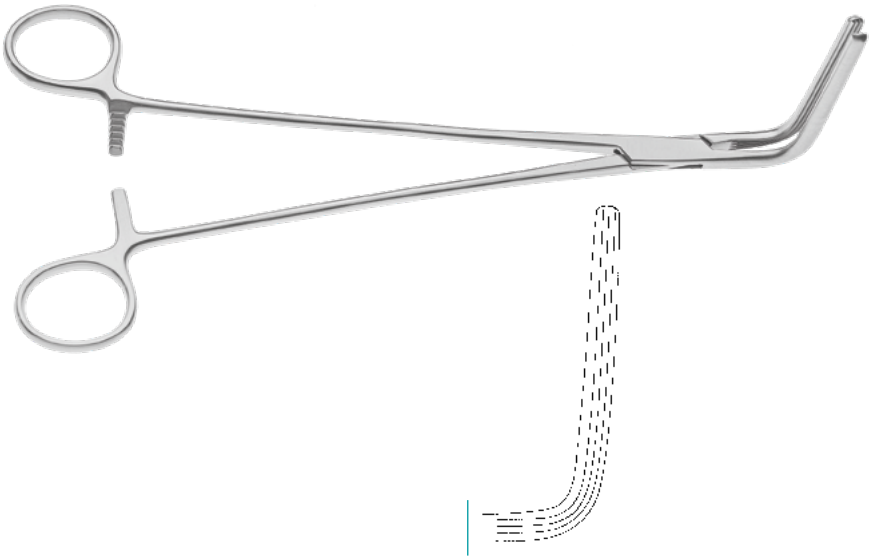
BRUNNER
Intestinal Clamp, bayonet shaped,
240mm, 9 1/2"

atraumatic serrations	310-151-240
longitudinal serrations	310-150-240



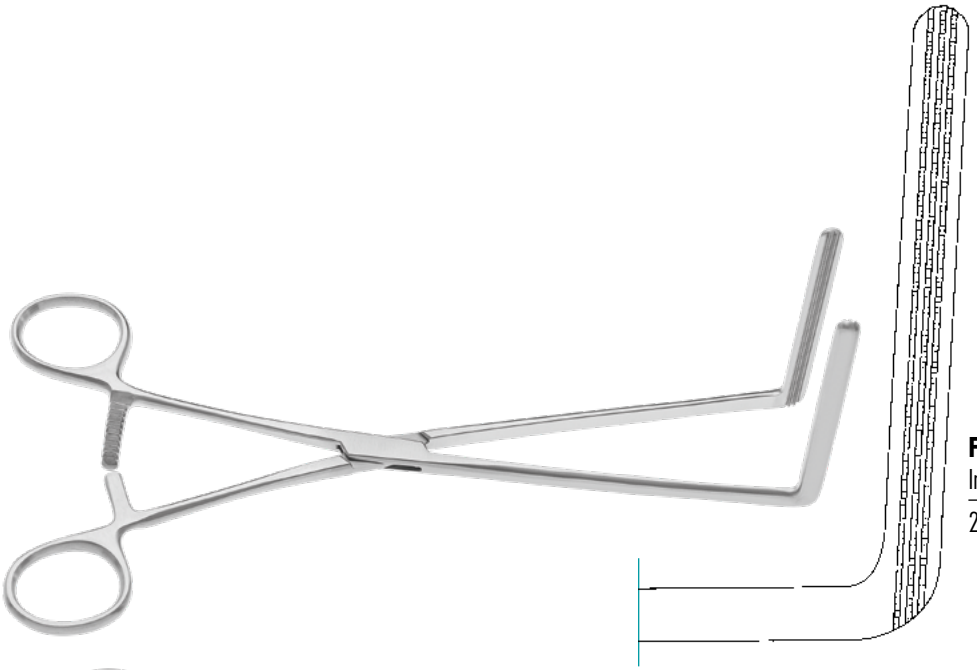
HAYES ATRAUMATIC
Intestinal Clamp, 60mm jaw

270mm, 10 2/3"	310-310-260
85mm jaw	
280mm, 11"	310-310-280



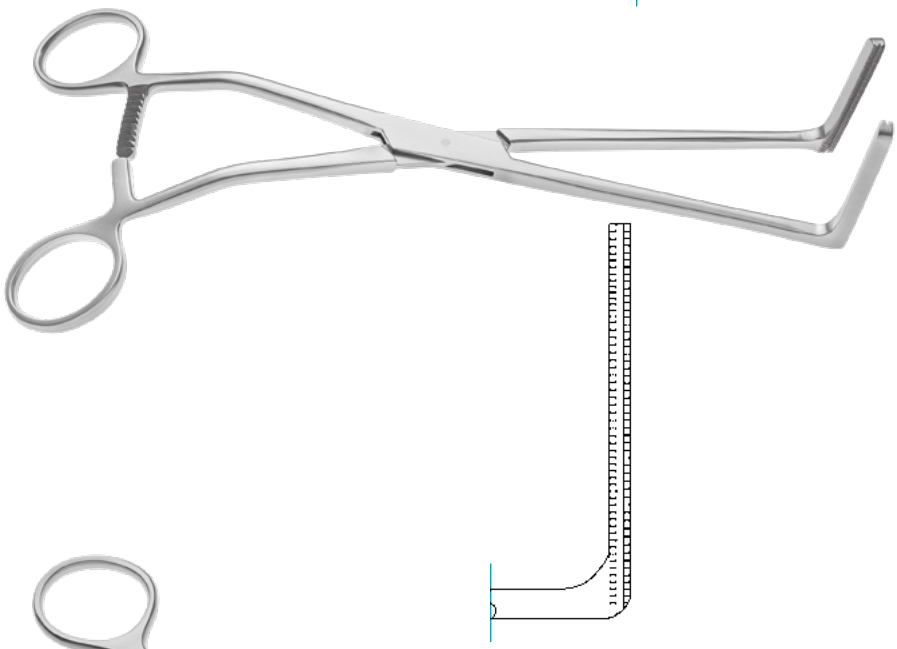
ZUBROD
Intestinal Clamp, longitudinal serrations,
60mm jaw, 90° angled

230mm, 9"	310-710-230



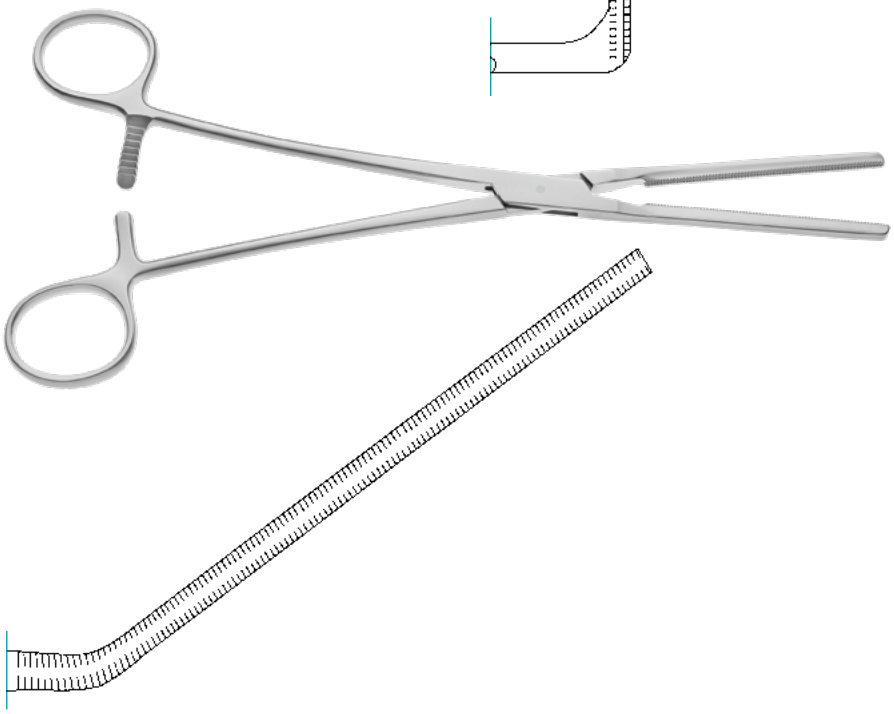
FEHLAND
Intestinal Clamp, atraumatic serrations

250mm, 9 7/8"	310-584-240



GLASSMAN
Intestinal Clamp, atraumatic serrations,
235mm, 9 1/4"

25mm jaw	310-199-235
50mm jaw	310-201-235
75mm jaw	310-203-235



GLASSMAN
Intestinal Clamp, atraumatic serrations,
65mm jaw length, straight

235mm, 9 1/4"	310-200-235

115mm jaw length, straight

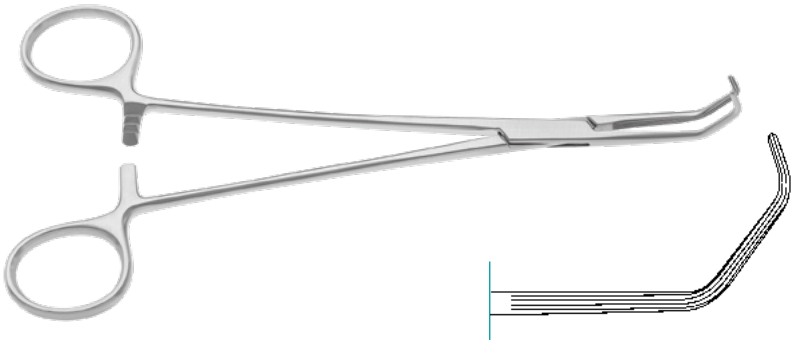
280mm, 11"	310-200-290

65mm jaw length, 25° angled

229mm, 9"	310-200-229

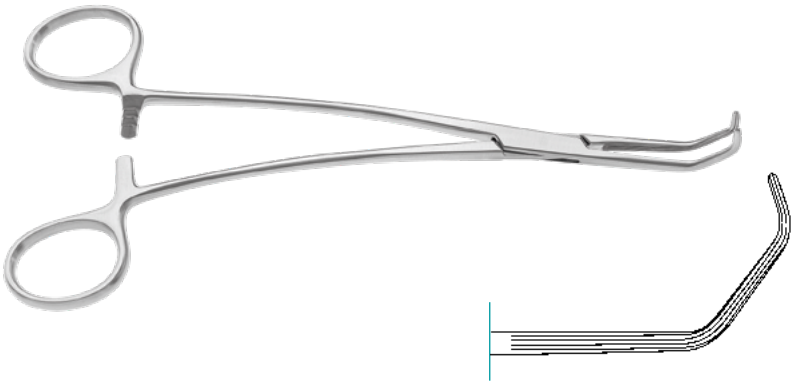
115mm jaw length, 45° angled

280mm, 11"	310-201-290



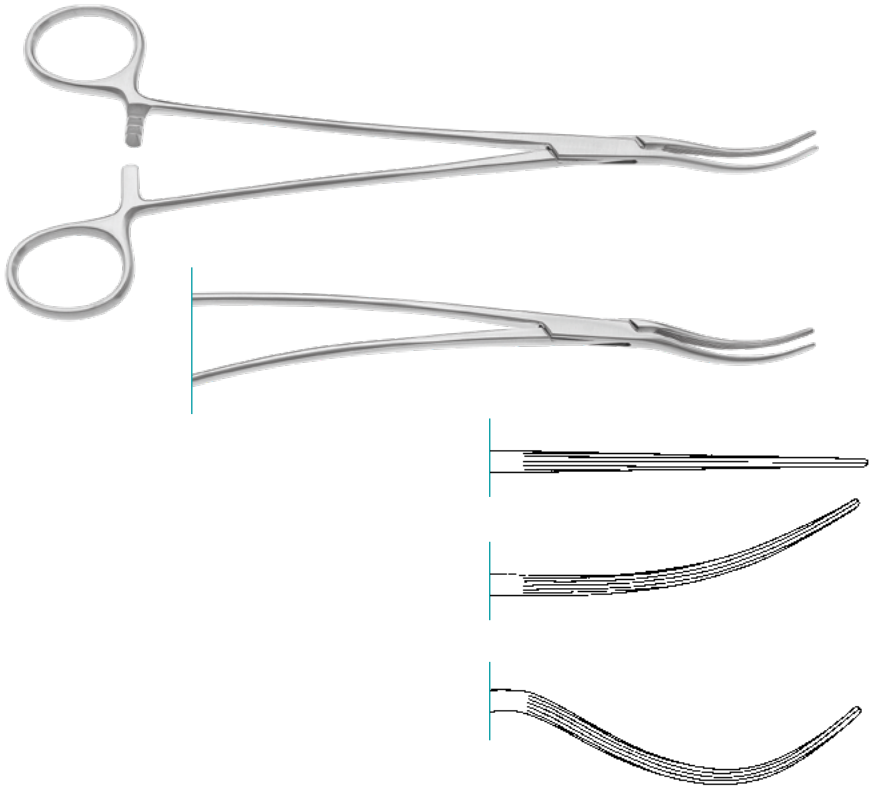
HAUSMANN
Intestinal Clamp, straight shanks, 1.9mm jaw width, 190mm, 7 1/2"

22 x 8mm	310-233-190
195mm, 7 3/4"	
30 x 8mm	310-233-195
205mm, 8 1/8"	
33 x 8mm	310-233-205
38 x 8mm	310-243-205



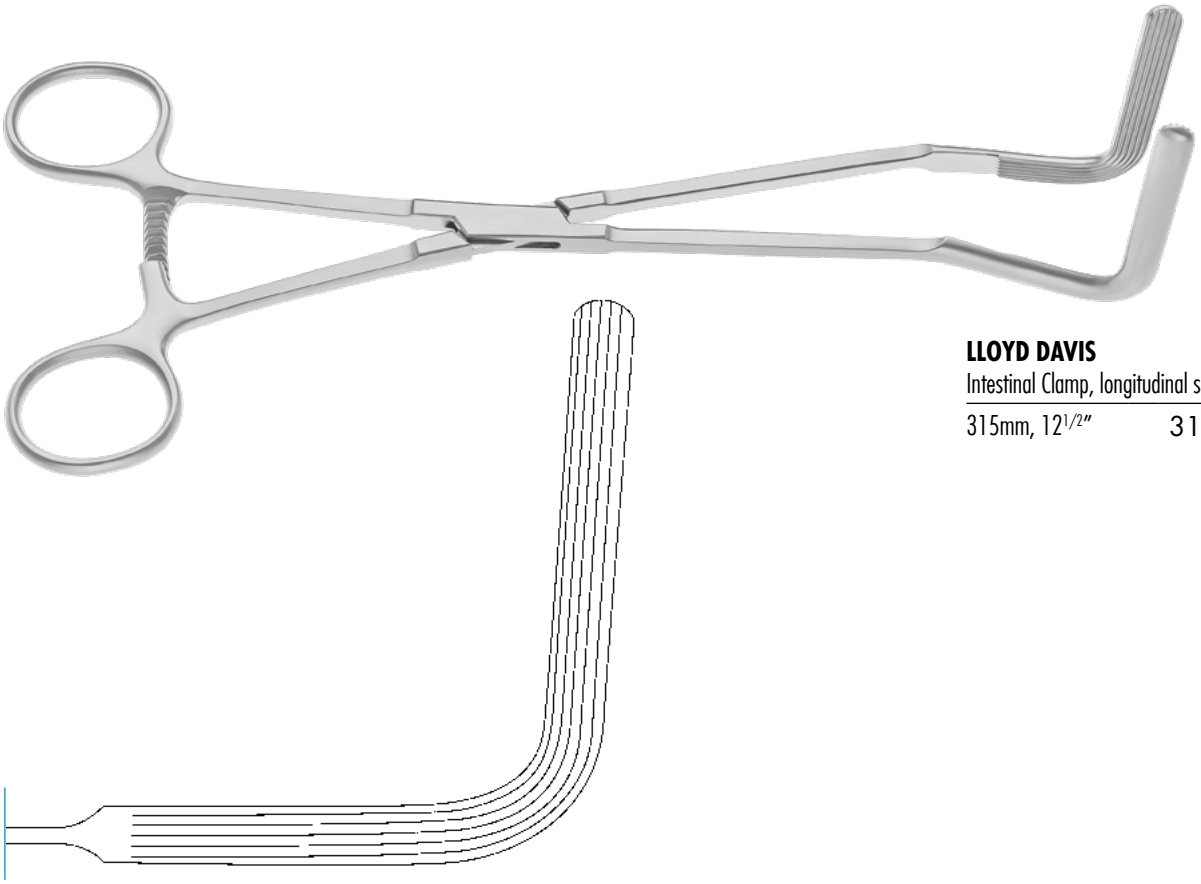
HAUSMANN
Intestinal Clamp, angled shanks, 1.9mm jaw width, 190mm, 7 1/2"

22 x 8mm	310-231-190
195mm, 7 3/4"	
30 x 8mm	310-231-195
205mm, 8 1/8"	
33 x 8mm	310-231-205
38 x 8mm	310-241-205

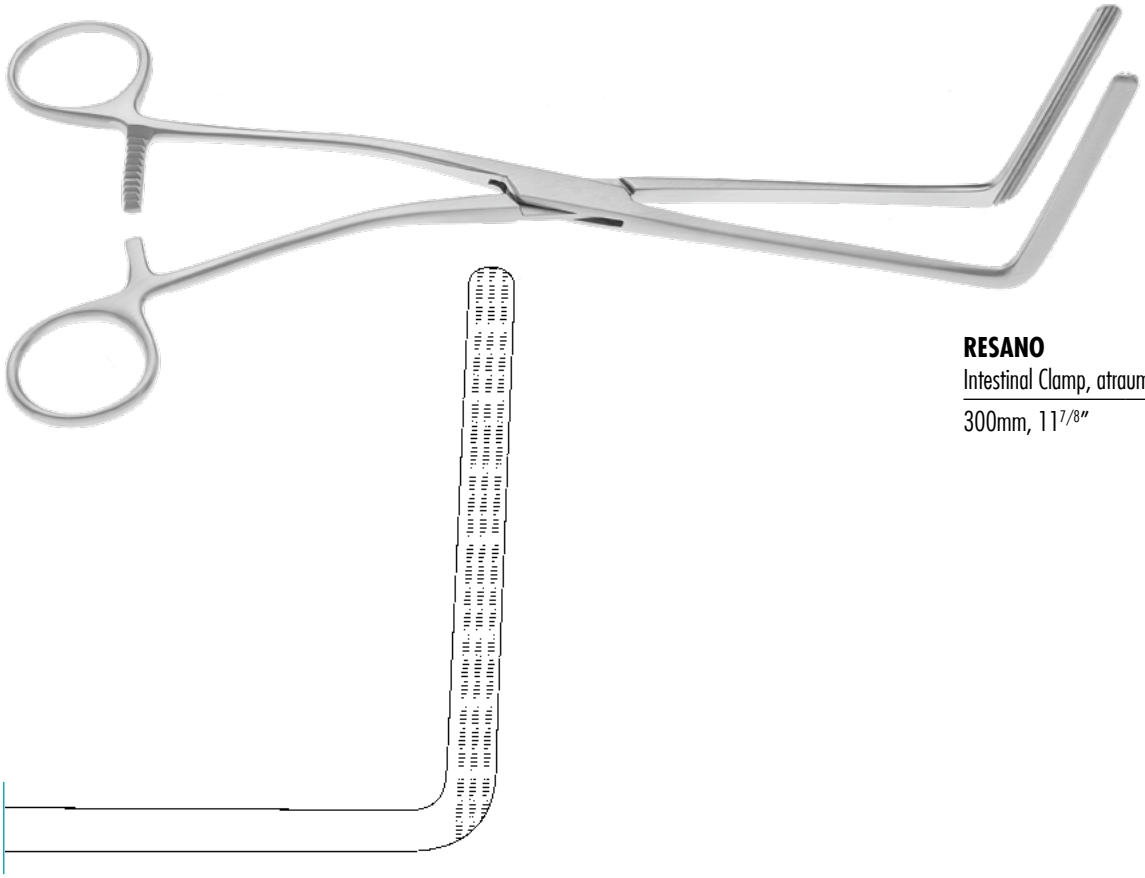


HAUSMANN
Intestinal Clamp, straight shanks, 1.9mm jaw width, 215mm, 8 1/2"

straight jaw	310-230-215
curved jaw	310-233-215
strongly curved jaw	310-234-215
angled shanks, 205mm, 8 1/8"	
straight jaw	310-250-205
angled shanks, 215mm, 8 1/2"	
curved jaw	310-253-215
strongly curved jaw	310-254-215



LLOYD DAVIS
Intestinal Clamp, longitudinal serrations
315mm, 12 1/2" 310-154-315



RESANO
Intestinal Clamp, atraumatic serrations
300mm, 11 7/8" 310-580-300



DEMARTEL WOLFSON
Anastomosis Clamp
Set of 3 clamps

50mm	310-400-005
70mm	310-400-007
100mm	310-400-010



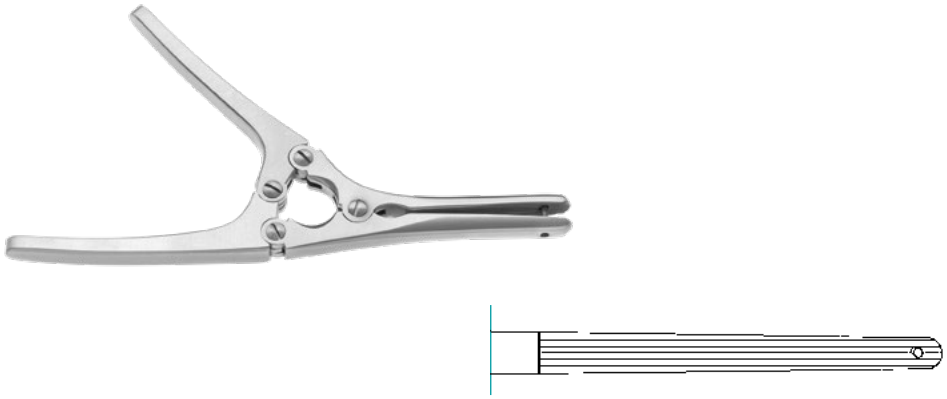
DEMARTEL WOLFSON
Clamp Holder

85mm	310-410-085
225mm	310-410-225



DEMARTEL WOLFSON
Closing Forceps

260mm	310-412-260



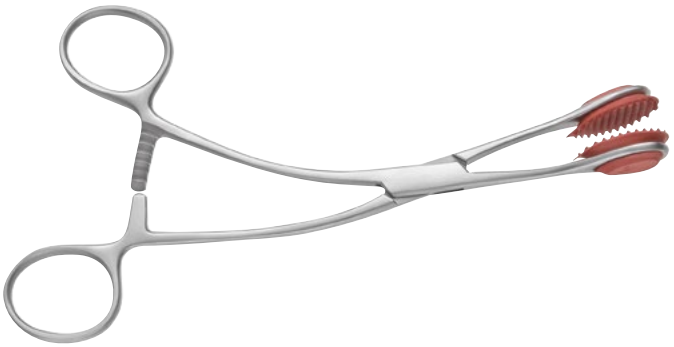
PAYR
Pylorus Clamp, light model for children, with pin, 57mm jaw length

150mm, 6"	310-032-150



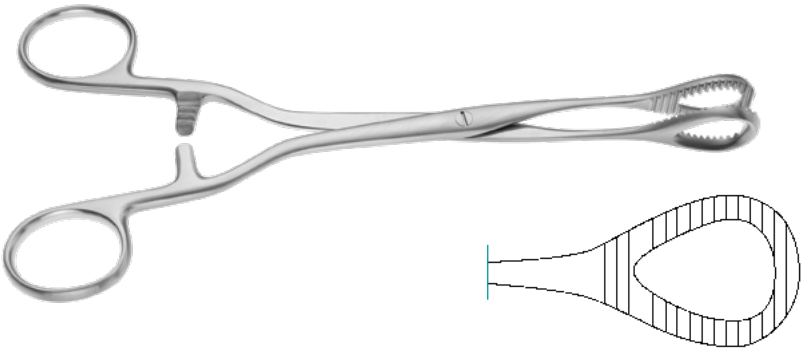
PAYR
Pylorus Clamp, with pin

210mm, 8 1/4" 65mm jaw length	310-033-210
290mm, 11 1/2" 105mm jaw length	310-033-290
315mm, 12 1/2" 146mm jaw length	310-033-315



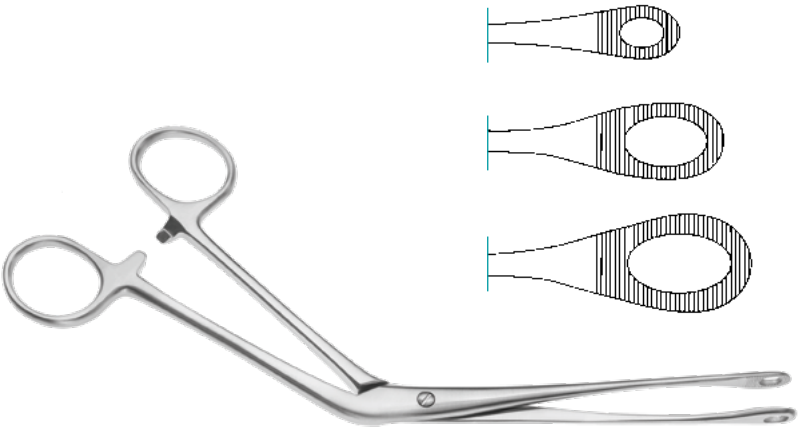
YOUNG
Tongue Holding Forceps

170mm, 6 2/3"	430-467-170



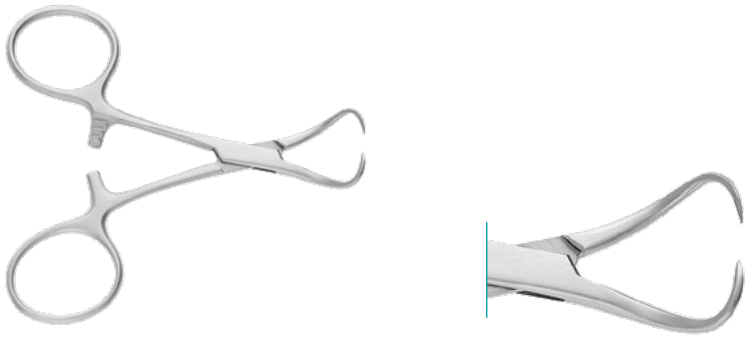
HEYWOOD SMITH
Hemorrhoidal Forceps
fenestrated serrated jaws

200mm, 8"	340-150-200
210mm, 8 1/4"	340-160-210



TOENNIS
Tumor Grasping Forceps

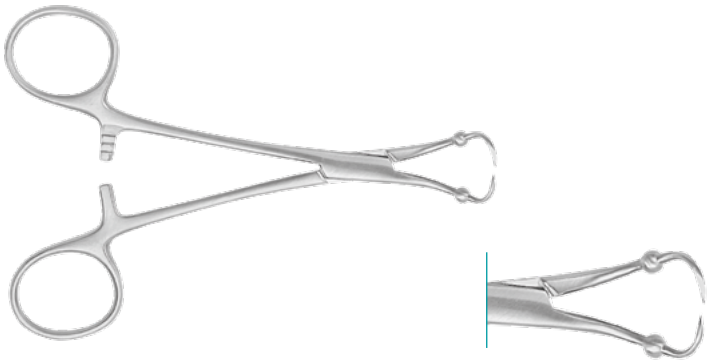
Fig. 1	250-066-341
Fig. 2	250-066-342
Fig. 3	250-066-343



BACKHAUS

Towel Forceps

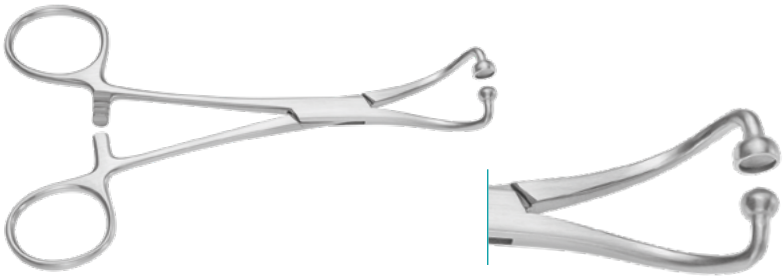
90mm, 3 1/2"	140-573-090
110mm, 4 1/3"	140-573-110
130mm, 5 1/8"	140-573-130
150mm, 6"	140-573-150



ROEDER

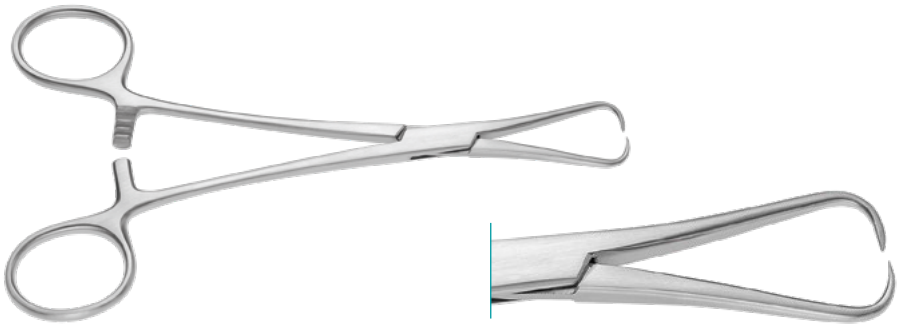
Towel Forceps

130mm, 5 1/8"	140-579-130



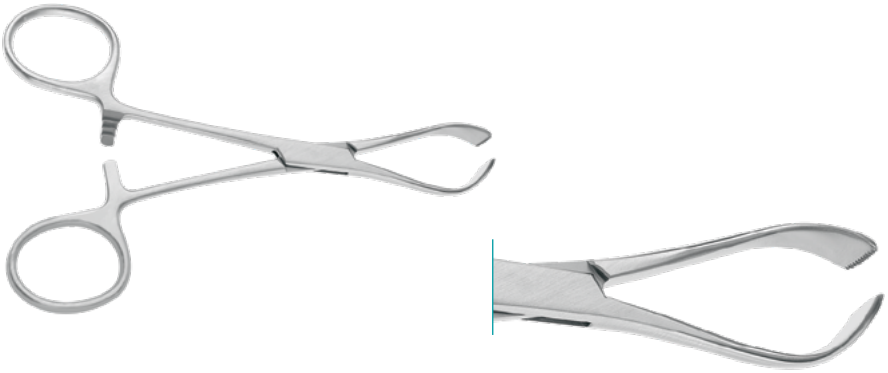
Ball & Socket Towel Forceps

110mm, 4 1/3"	140-580-115
130mm, 5 1/8"	140-580-130



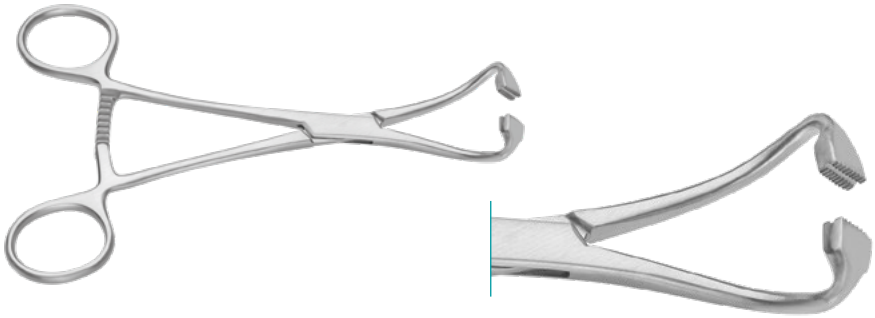
BERNHARD
Towel Forceps

165mm, 6 1/2"	140-579-165



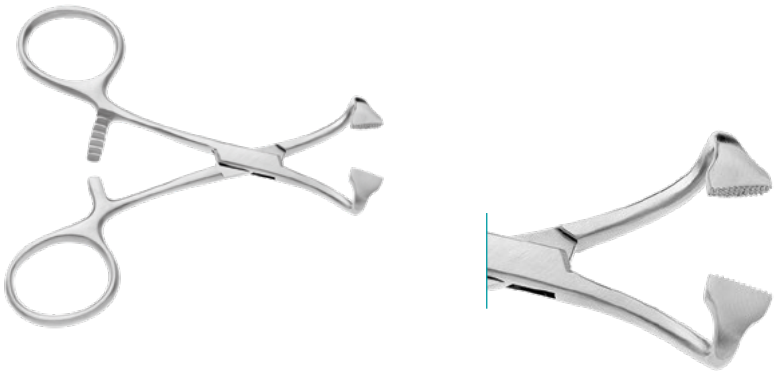
LORNA
Towel Forceps

100mm, 4"	140-578-100
130mm, 5 1/8"	140-578-130



PEERS
Towel Forceps, non-perforating

145mm, 5 3/4"	140-595-145



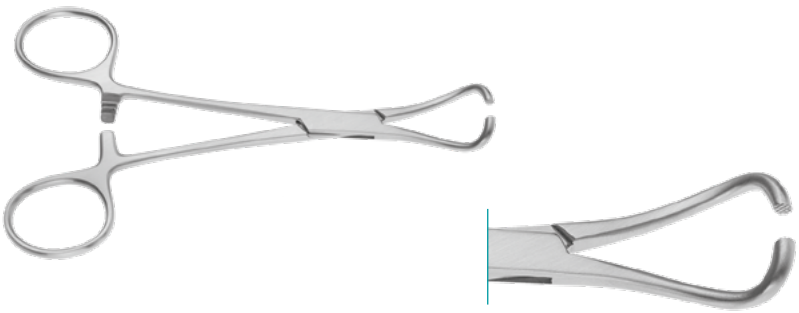
Non-Perforating Towel Forceps

100mm, 4"	140-597-100
135mm, $5^{1/3}$"	140-597-135



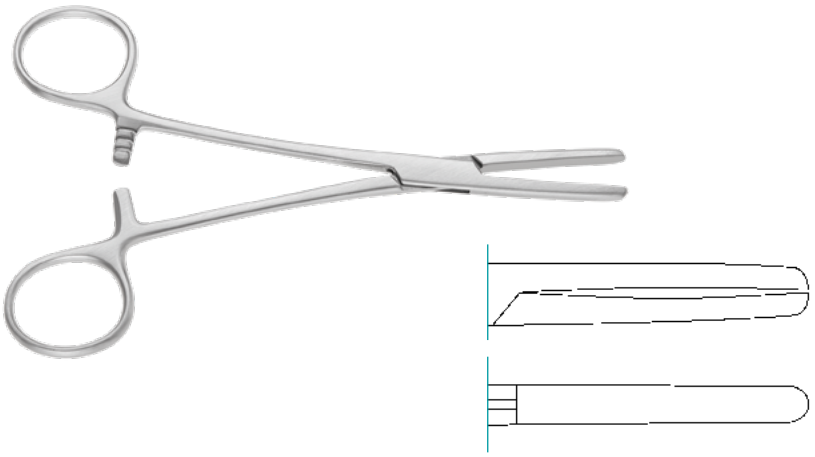
JONES
Towel Clip

60mm, $2^{1/3}$"	140-561-050
90mm, $3^{1/2}$"	140-561-090



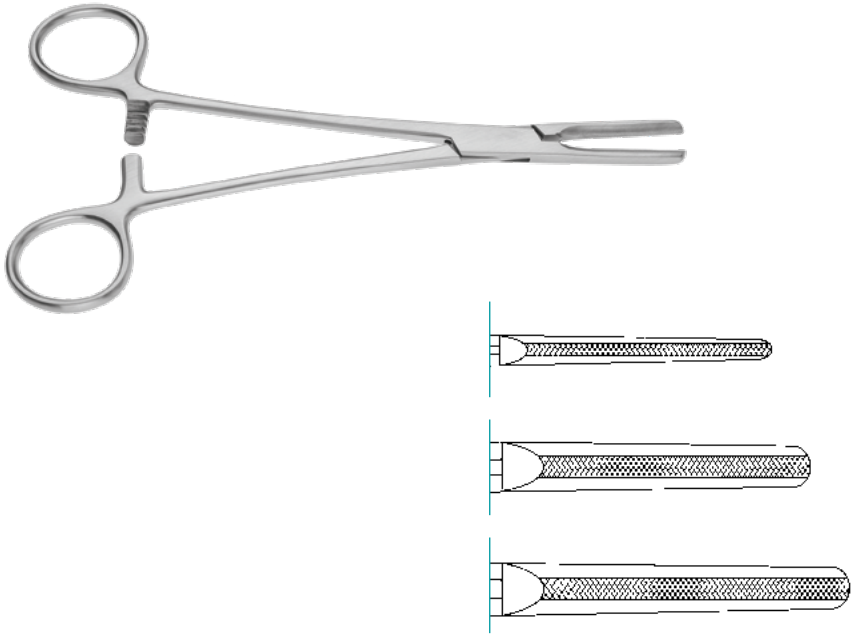
TOHOKU
Towel Clamp

100mm, 4"	140-590-100
130mm, $5^{1/8}$"	140-590-130



PRESBYTERIAN HOSPITAL
Tubing Clamp

165mm, 6 1/2"	140-601-165



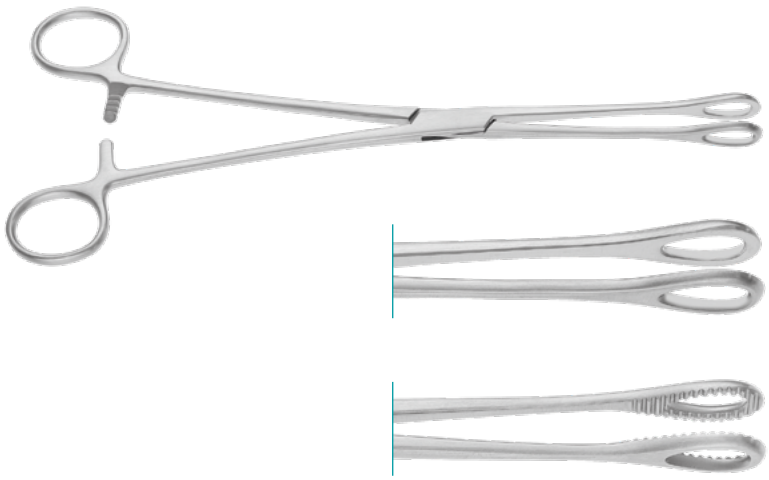
VORSE
Tubing Clamp, serrated jaws

150mm, 6"	140-603-150
180mm, 7"	140-603-180
200mm, 8"	140-603-200



VORSE
Tubing Clamp, serrated jaws, with safety guard

150mm, 6"	140-605-150
180mm, 7"	140-605-180
200mm, 8"	140-605-200



FOERSTER

Sponge Forceps, smooth, straight

180mm, 7"	150-050-180
200mm, 8"	150-050-200
250mm, 9 7/8"	150-050-250

smooth, curved

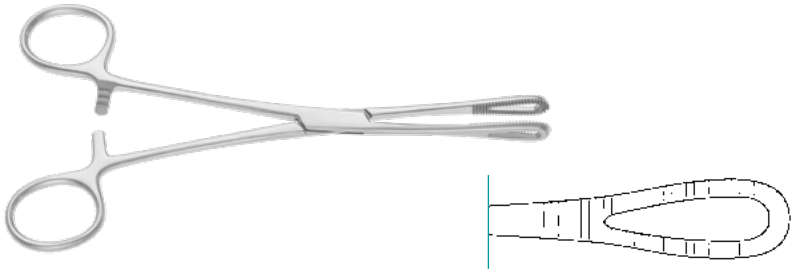
180mm, 7"	150-053-180
200mm, 8"	150-053-200
250mm, 9 7/8"	150-053-250

serrated, straight

180mm, 7"	150-052-180
200mm, 8"	150-052-200
250mm, 9 7/8"	150-052-250
355mm, 14"	150-052-355
410mm, 16"	150-052-410

serrated, curved

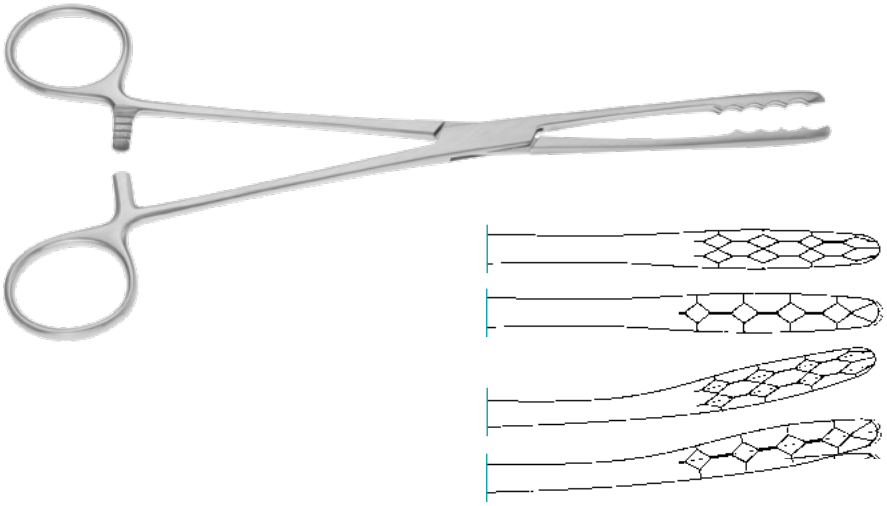
180mm, 7"	150-055-180
200mm, 8"	150-055-200
250mm, 9 7/8"	150-055-250



RAMPLEY

Sponge Forceps, straight, serrated

180mm, 7"	150-070-180
200mm, 8"	150-070-200
250mm, 9 7/8"	150-070-250



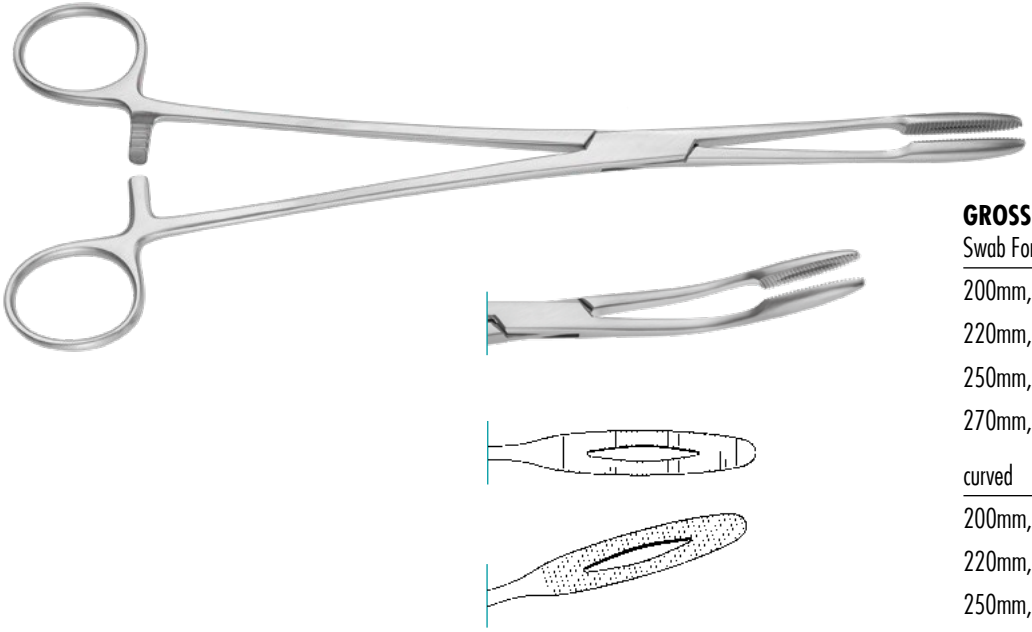
ULRICH

Swab Forceps, straight

220mm, 8 2/3"	150-010-220
250mm, 9 7/8"	150-010-250
270mm, 10 2/3"	150-010-270

curved

220mm, 8 2/3"	150-011-220
250mm, 9 7/8"	150-011-250
270mm, 10 2/3"	150-011-270

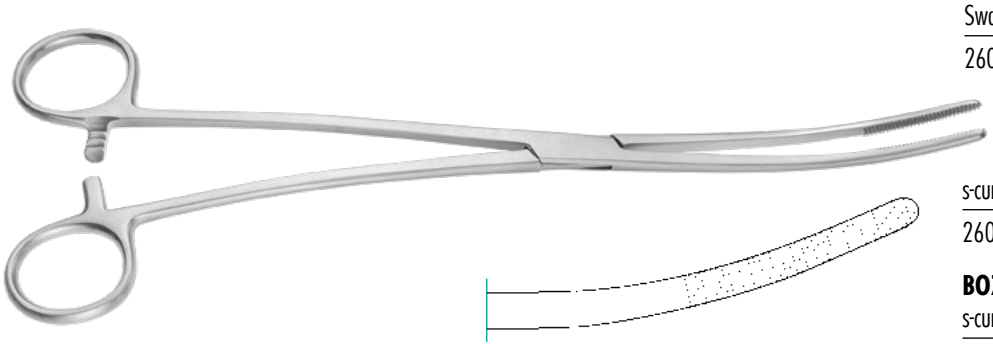


GROSS MAIER
Swab Forceps, serrated, straight

200mm, 8"	150-030-200
220mm, 8 2/3"	150-030-220
250mm, 9 7/8"	150-030-250
270mm, 10 2/3"	150-030-270

curved

200mm, 8"	150-031-200
220mm, 8 2/3"	150-031-220
250mm, 9 7/8"	150-031-250
270mm, 10 2/3"	150-031-270



BOZEMANN
Swab Forceps, serrated, straight

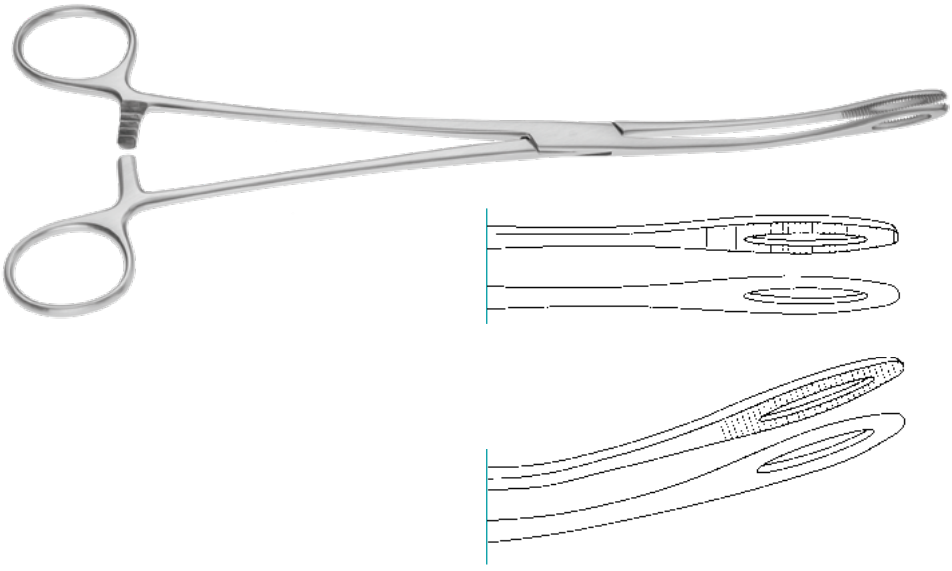
260mm, 10 1/4"	150-040-260

s-curved

260mm, 10 1/4"	150-041-260

BOZEMANN DOUGLAS
s-curved, one large ring

260mm, 10 1/4"	150-043-260

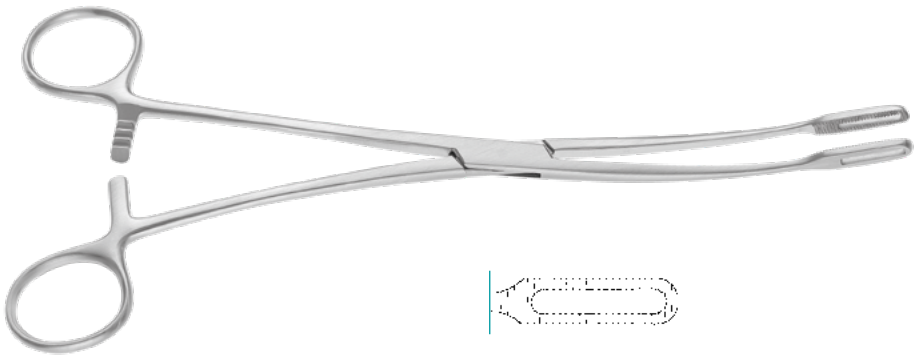


FOERSTER BONNEY
Swab Forceps, serrated, narrow, straight

250mm, 9 7/8"	150-060-250

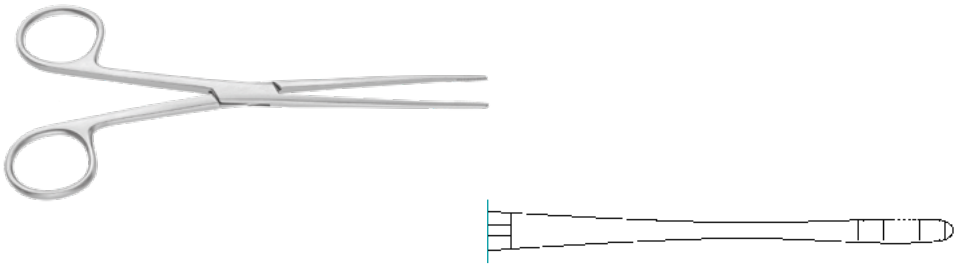
curved

250mm, 9 7/8"	150-061-250



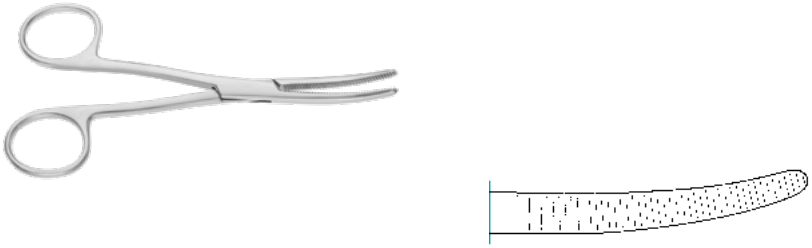
FLETCHER
Sponge Forceps, 240mm, 9 1/2"

straight	150-046-240
s-curved	150-047-240



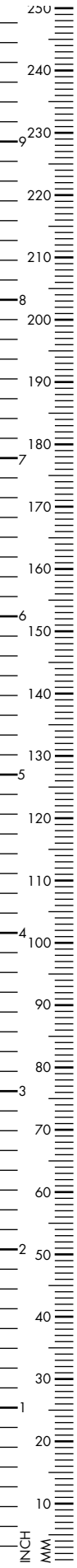
LISTER
Dressing Forceps

130mm, 5 1/8"	150-080-130
160mm, 6 1/4"	150-080-160
180mm, 7"	150-080-180



BRYANT
Dressing Forceps

130mm, 5 1/8"	150-035-130


250
240
230
220
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
9
8
7
6
5
4
3
2
1
INCH
MM

NEEDLE HOLDERS

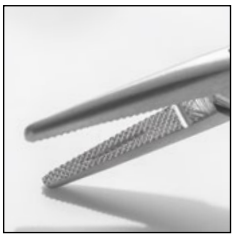


Needle Holders
TC Needle Holders
Ligature Needles
Michel Clips

Needle Holders *without* Tungsten Carbide inserts



Standard serration for an optimal grip of the needle.



Standard serration with additional groove

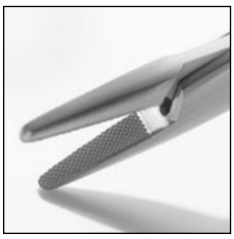


Standard Ring Handle

Needle Holders *with* Tungsten Carbide inserts



Normal serration of 0.5 for use with sutures up to size 4-0



Fine serration of 0.4 for use with sutures up to size 5-0 / 6-0



Mirror gold finished ring handle



Extra fine serration of 0.3 for use with sutures up to size 10-0



Smooth serration for use with sutures up to size 7-0 to 10-0

Needle Holders with Diamond Dusted jaw

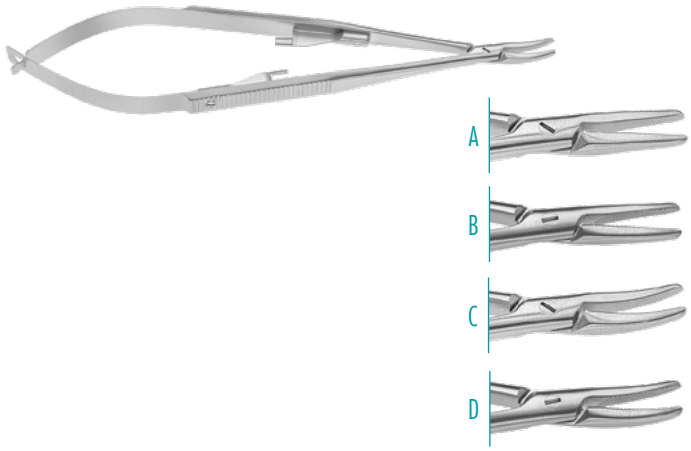


Diamond dusted coating of the jaw hardens the working surface, improves the durability and guarantees a tight grip of fine needles



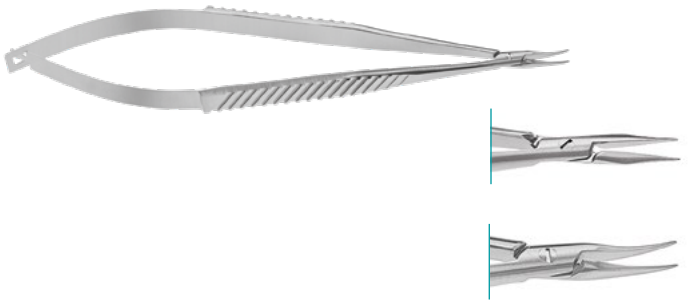
Mirror finished ring handle





CASTROVIEJO
Micro Needle Holder, with catch, flat handle

A straight, smooth	
145mm, 5 3/4″	180-219-145
180mm, 7″	180-219-180
B straight, serrated	
145mm, 5 3/4″	180-220-145
180mm, 7″	180-220-180
C curved, smooth	
145mm, 5 3/4″	180-221-145
180mm, 7″	180-221-180
D curved, serrated	
145mm, 5 3/4″	180-222-145
180mm, 7″	180-222-180



Vascular Micro Needle Holder, 0.4mm tip, flat handle, 140mm, 5 1/2″

straight, smooth	
with catch	250-064-153
without catch	250-064-149
curved, smooth	
with catch	250-064-151
without catch	250-064-150



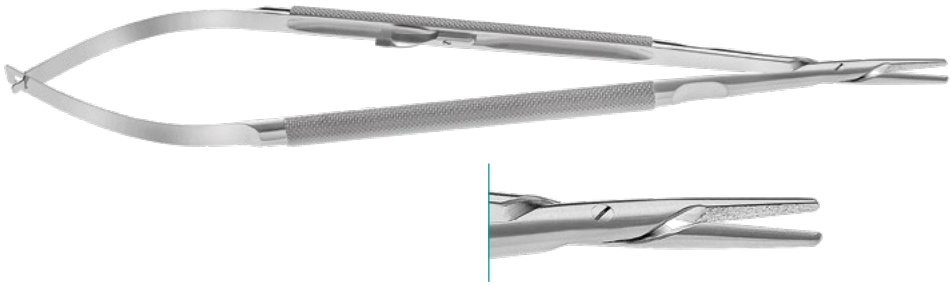
Vascular Micro Needle Holder, 0.4mm tip, straight, smooth, round handle, without catch

130mm, 5 1/8″	250-064-138
180mm, 7″	250-064-244
curved	
130mm, 5 1/8″	250-064-142
180mm, 7″	250-064-248



BARRAQUER
Micro Needle Holder, curved, smooth, 0.5mm tip, without lock, ∅ 8mm round handle

110mm, 4 1/3″	400-345-110
130mm, 5 1/8″	400-348-135



JACOBSON
Needle Holder, streamline, heavy pattern, 2mm jaw, 10mm round handle, with catch, straight

190mm, 7 1/2"	250-018-190
230mm, 9"	250-018-230
250mm, 9 7/8"	250-018-250

curved

230mm, 9"	250-019-230



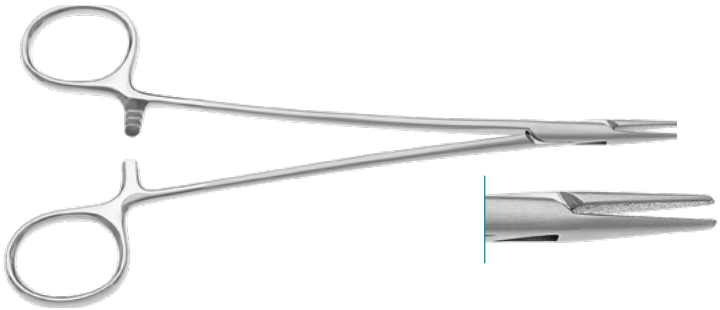
CASTROVIEJO
Micro Needle Holder, with catch, 1mm jaw, flat handle, 140mm, 5 1/2"

straight	250-220-563
curved	250-220-564



LÖFFLER
Needle Holder, delicate, short jaw ring handle, straight

150mm, 6"	180-755-150
180mm, 7"	180-755-180
200mm, 8"	180-755-200
230mm, 9"	180-755-230



DEBAKEY
Needle Holder, ring handle, 1mm jaw, straight

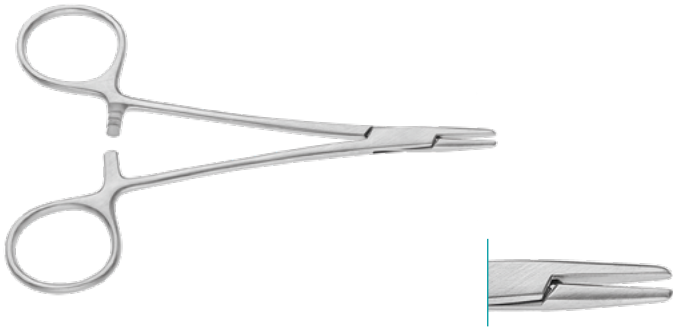
180mm, 7"	180-648-180
200mm, 8"	180-648-200
230mm, 9"	180-648-230



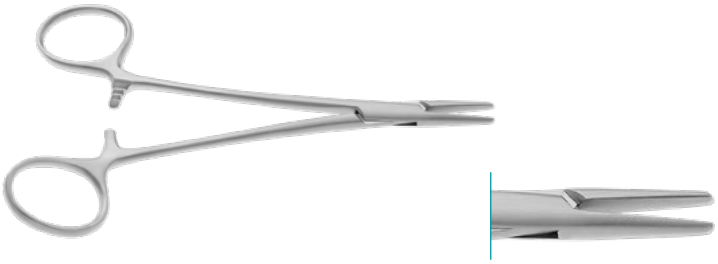
YANG
Very delicate, straight, smooth
110mm, 4 1/3" 180-318-110



YANG
Very delicate, straight
110mm, 4 1/3" 180-320-110



WEBSTER
Straight, smooth
130mm, 5 1/8" 180-318-130



NEIVERT
Off-set ring, smooth, straight

130mm, 5 1/8"	180-322-130



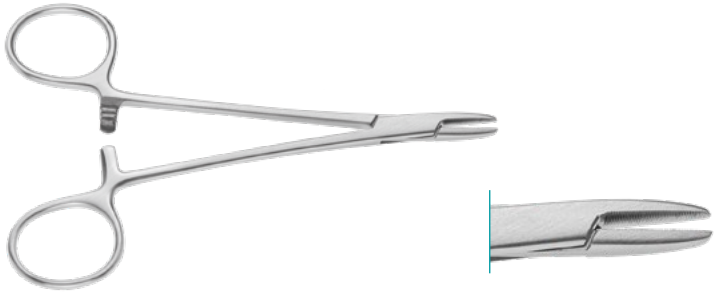
CONVERSE
Longitudinal serrated jaw, straight

125mm, 5"	180-310-125



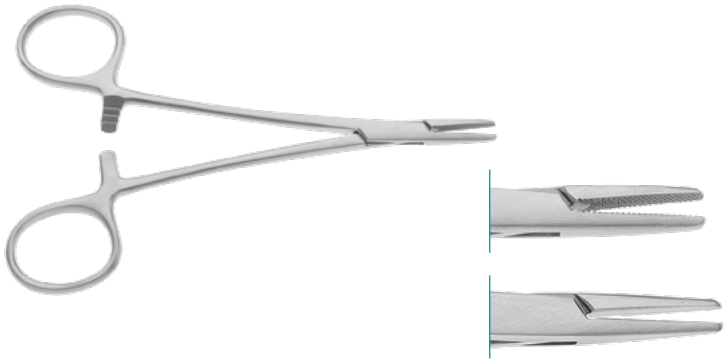
DERF
Grooved serrated jaw, straight

120mm, 4 3/4"	180-310-120



BROWN
Serrated, rounded jaw, straight

130mm, 5 1/8"	180-326-130

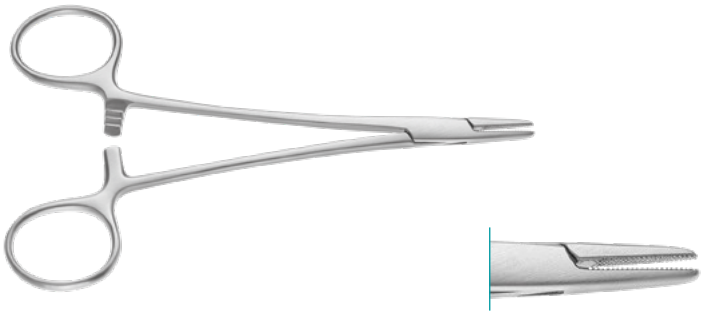


HALSEY
Cross serrated jaw, straight

130mm, 5 1/8"	180-321-130

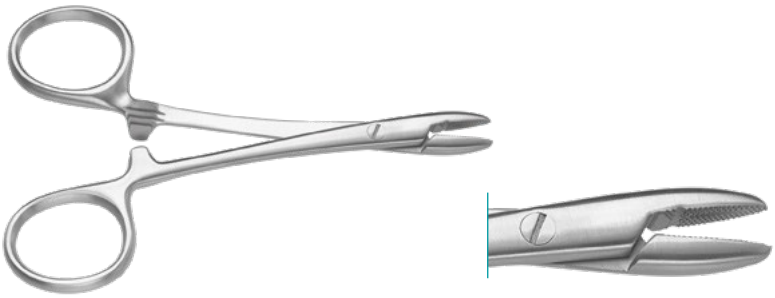
Smooth

130mm, 5 1/8"	180-320-130



BAUMGARTNER
Serrated jaw, straight

125mm, 5"	180-324-125
140mm, 5 1/2"	180-324-140



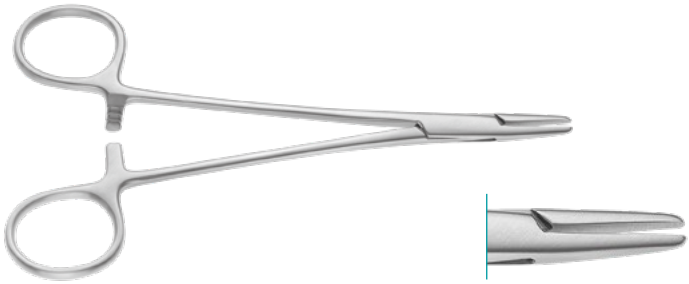
DOYEN
Serrated jaw, straight

130mm, 5 1/8"	180-317-130



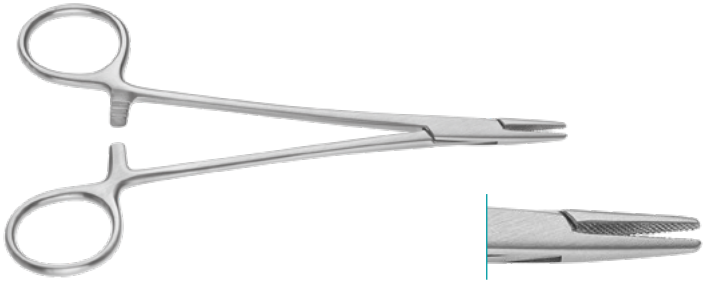
COLLIER
Cross serrated jaw, fenestrated, straight

125mm, 5"	180-314-125



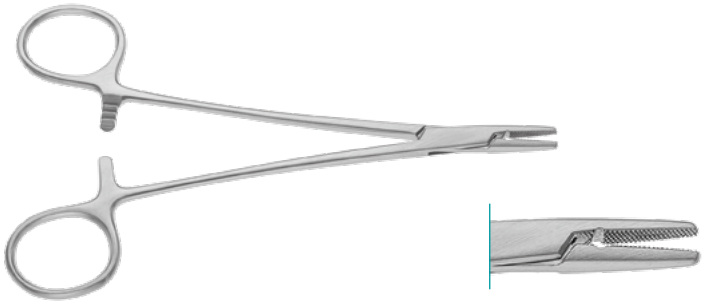
LAWRANCE
Smooth, delicate jaw, straight

150mm, 6"	180-381-150



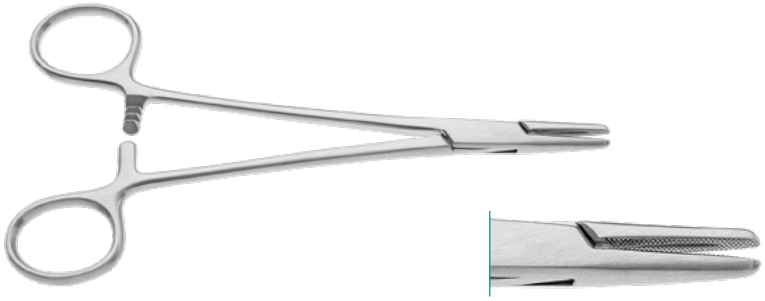
CRILE MURRAY
Serrated jaw, straight

150mm, 6"	180-330-150



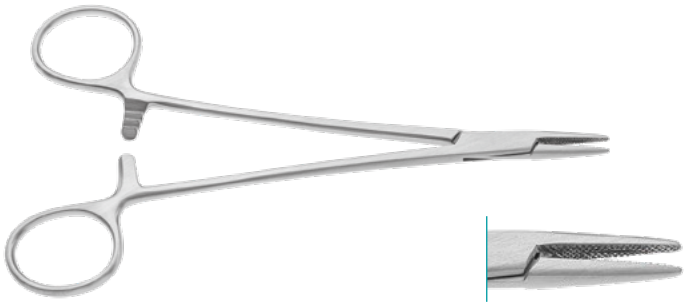
CRILE WOOD
Serrated jaw, straight

150mm, 6″	180-332-150
180mm, 7″	180-332-180
200mm, 8″	180-332-200



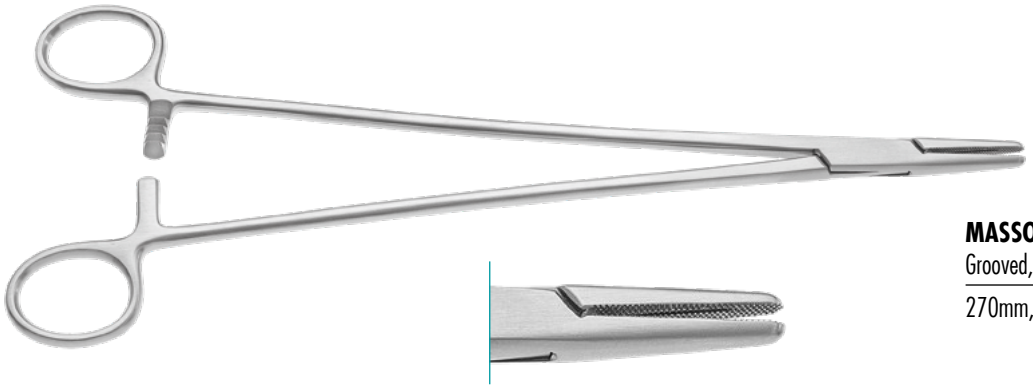
MAYO HEGAR
Grooved serrated jaw, straight

140mm, $5^{1/2}$″	180-354-140
160mm, $6^{1/4}$″	180-354-160
180mm, 7″	180-354-180
200mm, 8″	180-354-200
240mm, $9^{1/2}$″	180-354-240
260mm, $10^{1/4}$″	180-354-260
300mm, $11^{7/8}$″	180-354-300



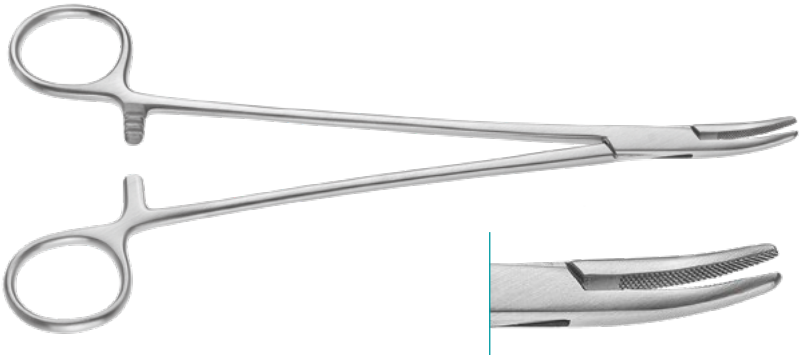
MAYO HEGAR FINO
Delicate Pattern, serrated, straight

140mm, $5^{1/2}$″	180-356-140
160mm, $6^{1/4}$″	180-356-160
180mm, 7″	180-356-180
200mm, 8″	180-356-200



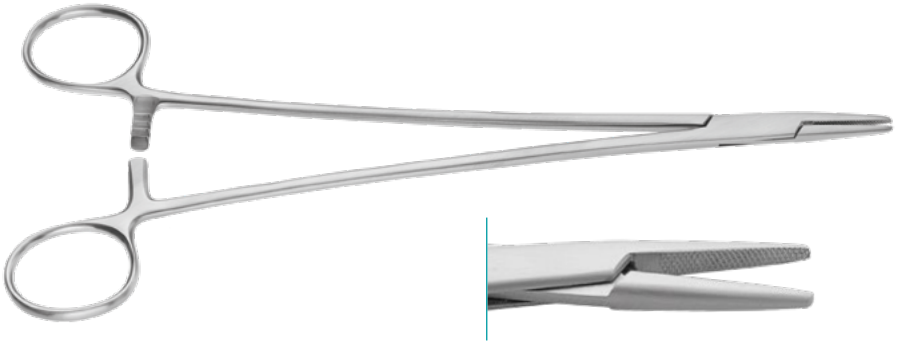
MASSON
Grooved, serrated jaw, straight

270mm, $10^{2/3}$"	180-364-270



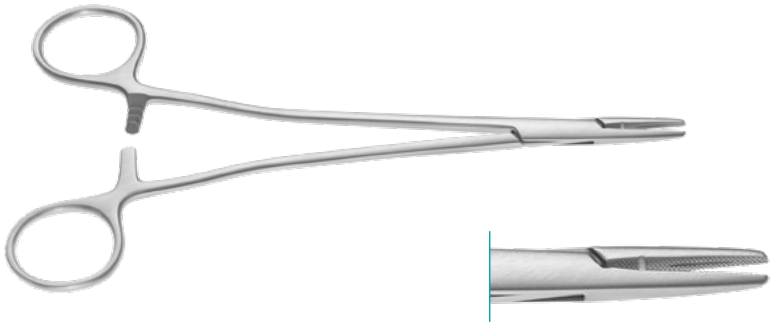
HEANEY
Serrated jaw, curved

210mm, $8^{1/4}$"	180-361-210



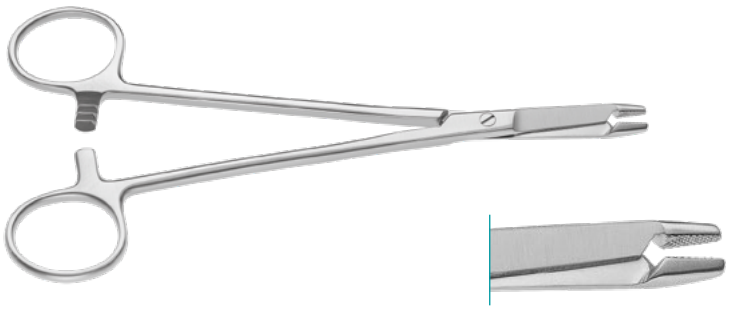
JAMISON
Serrated jaw, straight

235mm, $9^{1/4}$"	180-362-235



SAROT
Grooved serrated jaw, straight

180mm, 7″	180-342-180



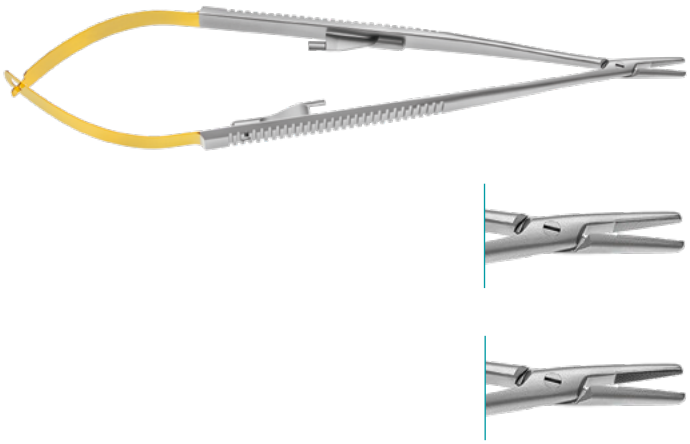
OLSEN HEGAR
Serrated jaw, straight

140mm, $5^{1/2}$″	180-382-140
170mm, $6^{2/3}$″	180-382-170
180mm, 7″	180-382-180



MATHIEU
Serrated jaw, straight

140mm, $5^{1/2}$″	180-420-140
170mm, $6^{2/3}$″	180-420-170
200mm, 8″	180-420-200



CASTROVIEJO
Micro Needle Holder, serrated jaw, flat handle, with catch

145mm, 5 3/4"	180-520-145
180mm, 7"	180-520-180
210mm, 8 1/4"	180-520-210

without catch

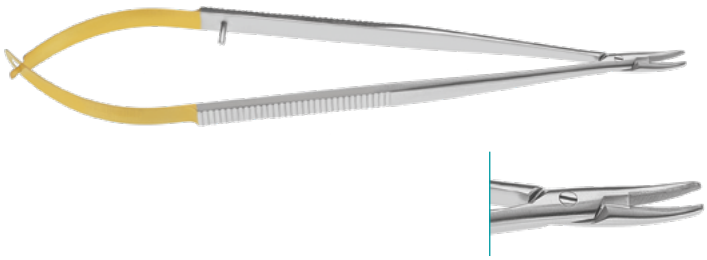
145mm, 5 3/4"	180-524-140
180mm, 7"	180-524-180
210mm, 8 1/4"	180-524-210

smooth jaw, with catch

145mm, 5 3/4"	180-519-145
180mm, 7"	180-519-180
210mm, 8 1/4"	180-519-210

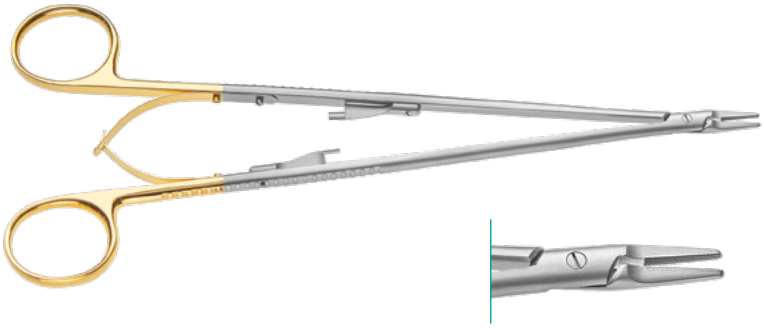
without catch

145mm, 5 3/4"	180-522-145
180mm, 7"	180-522-180
210mm, 8 1/4"	180-522-210



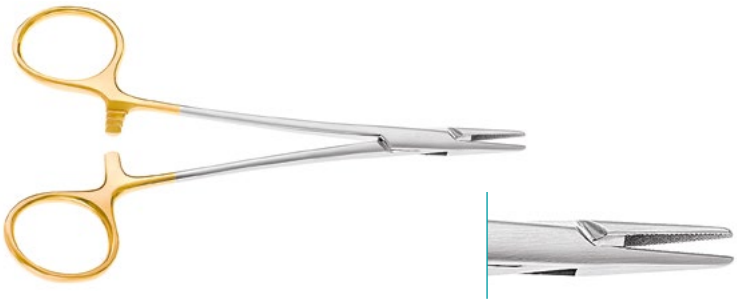
CASTROVIEJO
Smooth jaw, curved, without catch

145mm, 5 3/4"	180-526-145
180mm, 7"	180-526-180
210mm, 8 1/4"	180-526-210

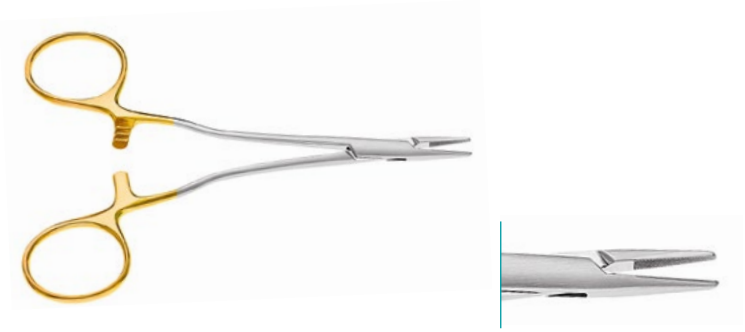


DIETHRICH RYDER
Microvascular, bead blusted, 2mm jaw, straight, serrated

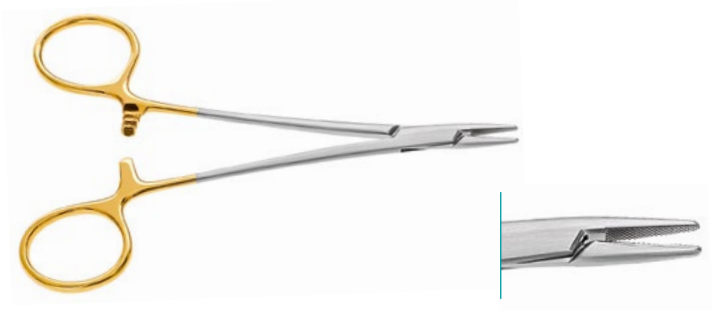
180mm, 7"	180-530-180
200mm, 8"	180-530-200
230mm, 9"	180-530-230
260mm, 10 1/4"	180-530-260



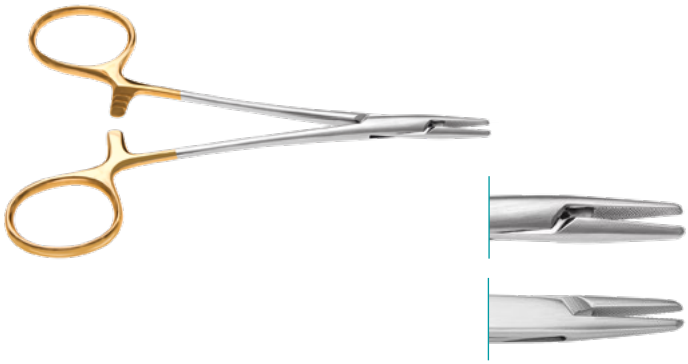
NEIVERT
Fine serrated jaw, upturned thumb ring
130mm, 5 1/8" 180-533-130



CONVERSE
Cross-serrated jaw, straight
120mm, 4 3/4" 180-544-120



DERF
Serrated jaw, straight
120mm, 4 3/4" 180-532-120



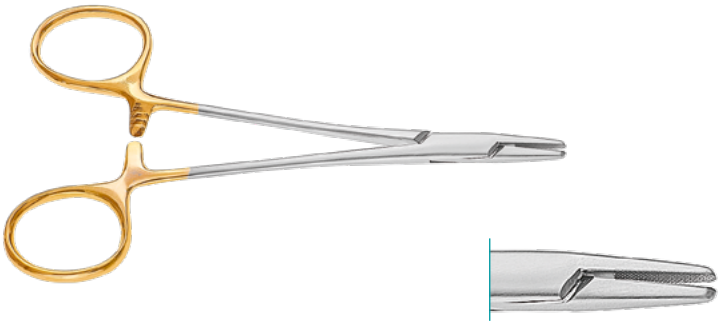
PAR

Serrated, very delicate jaw, straight

115mm, 4 1/2"	180-555-115

delicate, serrated jaw

120mm, 4 3/4"	180-558-120
135mm, 5 1/3"	180-558-135



HEGAR BAUMGARTNER

Serrated jaw, straight

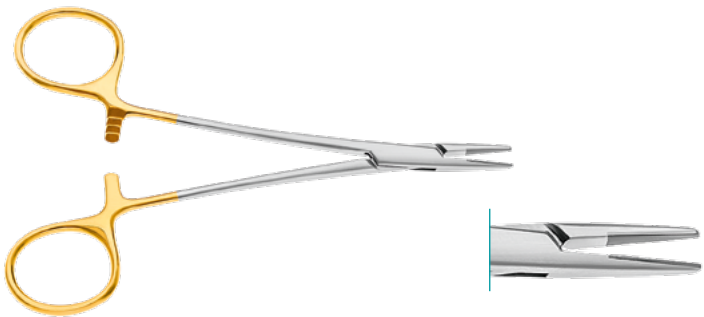
125mm, 5"	180-534-125
140mm, 5 1/2"	180-534-140



YANG

Smooth jaw, delicate pattern, straight

115mm, 4 1/2"	180-536-115



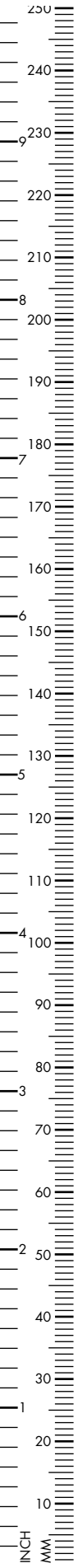
WEBSTER

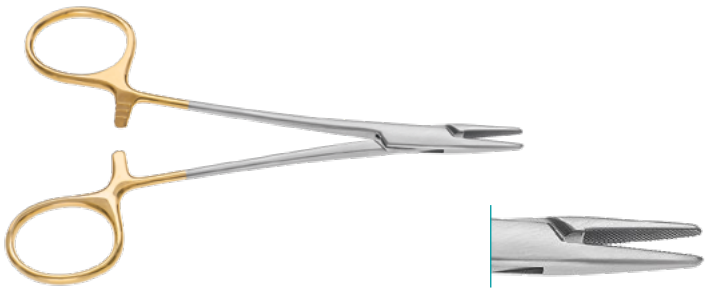
Smooth jaw, delicate pattern, straight

130mm, 5 1/8"	180-538-130

serrated jaw

130mm, 5 1/8"	180-539-130





HALSEY
Serrated jaw, straight

130mm, 5 1/8"	180-537-130

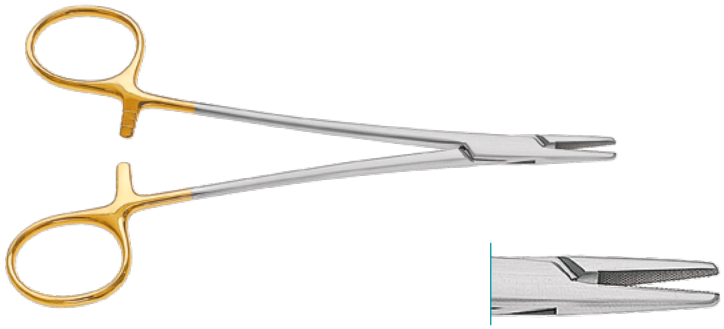
smooth jaw

130mm, 5 1/8"	180-536-130



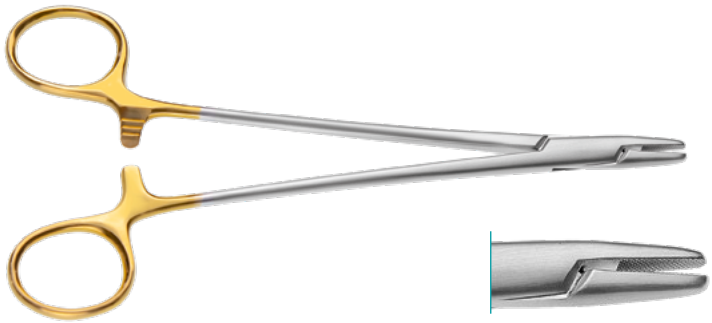
BABY CRILE WOOD
Serrated jaw, straight

150mm, 6"	180-542-150



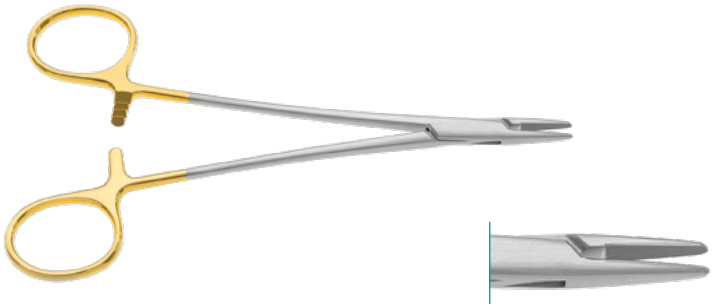
CRILE WOOD
Serrated jaw, straight

150mm, 6"	180-540-150
180mm, 7"	180-540-180
200mm, 8"	180-540-200
230mm, 9"	180-540-230
260mm, 10 1/4"	180-540-260
300mm, 11 7/8"	180-540-300



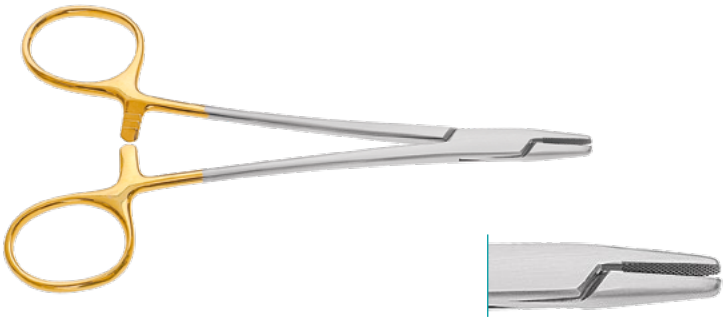
NEW ORLEANS
Grooved, serrated jaw, straight

180mm, 7"	180-553-180



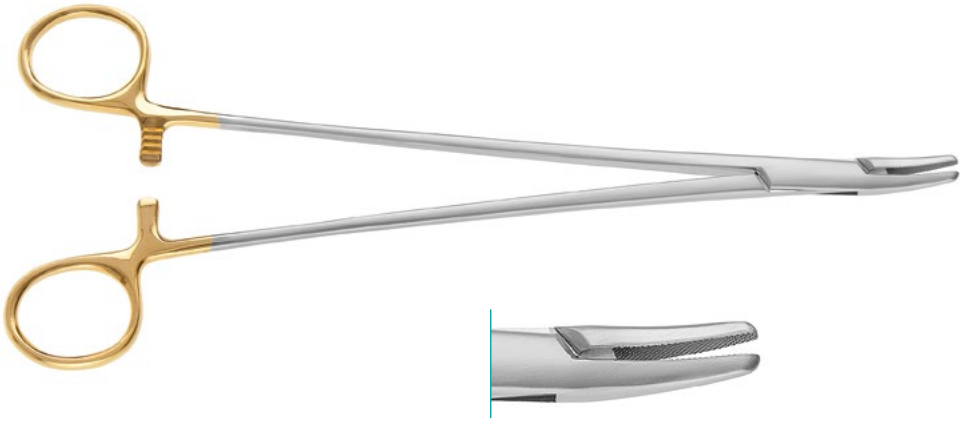
CRILE WOOD
Smooth jaw, straight

150mm, 6″	180-541-150
180mm, 7″	180-541-180
200mm, 8″	180-541-200
230mm, 9″	180-541-230



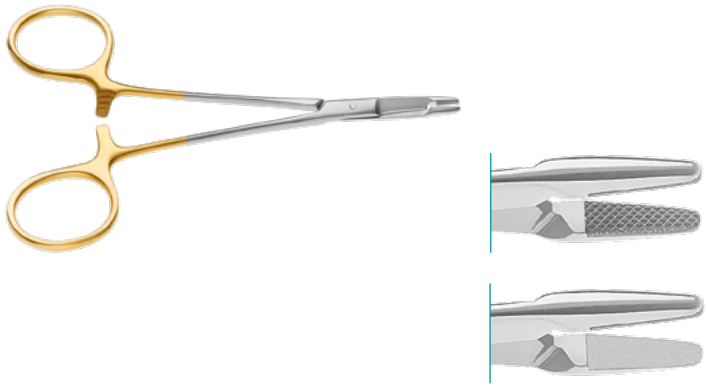
MAYO HEGAR
Serrated jaw, straight

125mm, 5″	180-550-125
140mm, 5 1/2″	180-550-140
160mm, 6 1/4″	180-550-160
180mm, 7″	180-550-180
200mm, 8″	180-550-200
240mm, 9 1/2″	180-550-240
260mm, 10 1/4″	180-550-260
300mm, 11 7/8″	180-550-300
355mm, 14″	180-550-355
400mm, 15 3/4″	180-550-400



HEANEY
Serrated jaw, curved

200mm, 8″	180-547-200
240mm, 9 1/2″	180-547-240
260mm, 10 1/4″	180-547-260
305mm, 12″	180-547-305
410mm, 16 1/4″	180-547-410



MINI OLSEN HEGAR

Serrated jaw, straight

120mm, 4 3/4"	180-568-120

smooth jaw

120mm, 4 3/2"	180-569-120



OLSEN HEGAR

Serrated jaw, straight

140mm, 5 1/2"	180-568-140
170mm, 6 2/3"	180-568-170
180mm, 7"	180-568-180



MATHIEU

Serrated jaw, straight

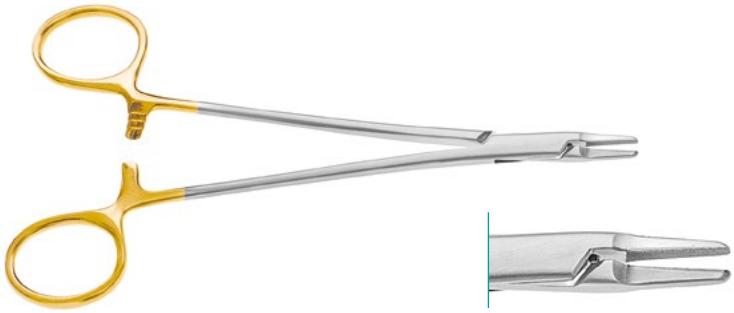
140mm, 5 1/2"	180-576-140
170mm, 6 2/3"	180-576-170
200mm, 8"	180-576-200



GILLIES

Upturned thumb ring, serrated jaw, curved

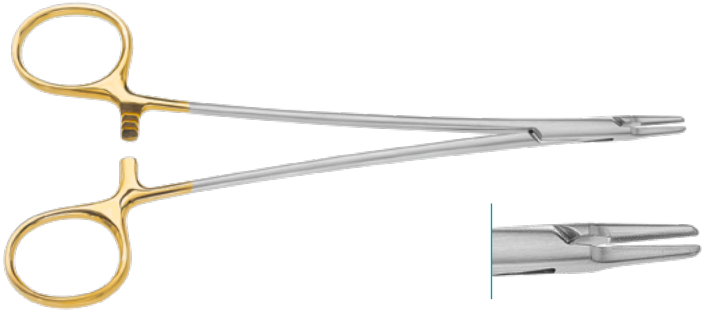
160mm, 5 1/4"	180-570-160



RYDER

2.0mm tip, serrated jaw, straight

130mm, 5 1/8"	180-560-130
160mm, 6 1/4"	180-560-160
180mm, 7"	180-560-180
200mm, 8"	180-560-200
230mm, 9"	180-560-230
260mm, 10 1/4"	180-560-260



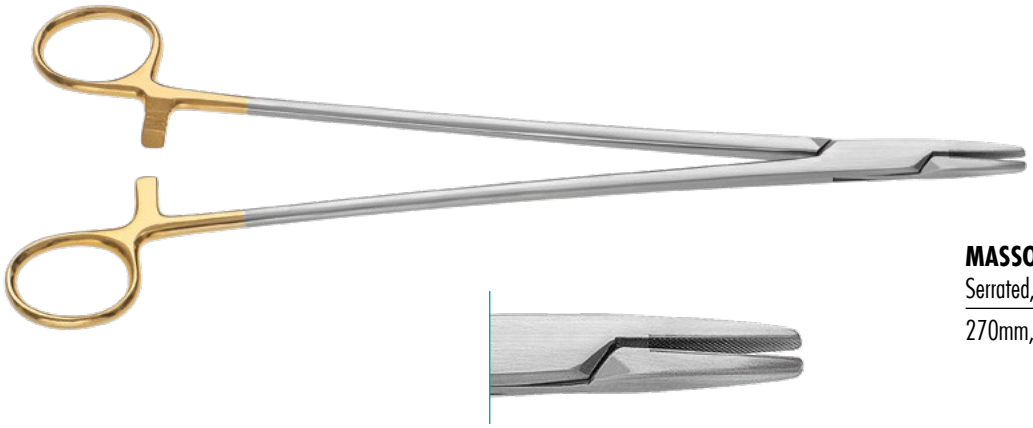
RYDER

1.5mm vascular tip, serrated jaw, straight

130mm, 5 1/8"	180-561-130
160mm, 6 1/4"	180-561-150
180mm, 7"	180-561-180
200mm, 8"	180-561-200
230mm, 9"	180-561-230

1.0mm smooth jaw

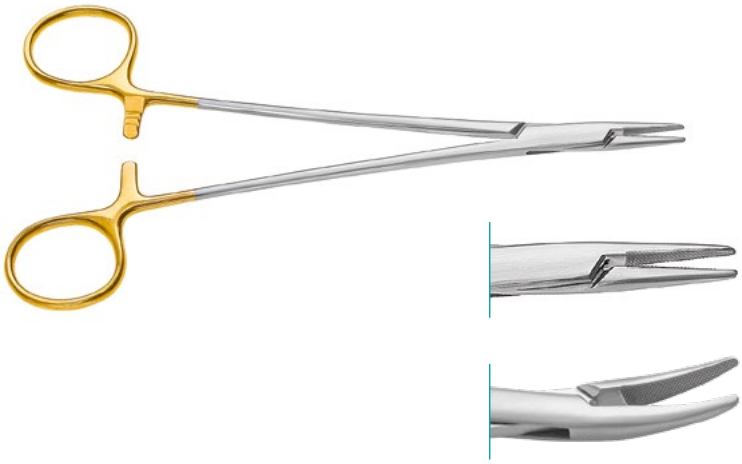
140mm, 5 1/2"	180-565-140
160mm, 6 1/4"	180-565-160



MASSON

Serrated, heavy pattern, straight

270mm, 10 2/3"	180-556-270



DEBAKEY
Vascular, serrated, straight

150mm, 6″	180-548-150
180mm, 7″	180-548-180
200mm, 8″	180-548-200
230mm, 9″	180-548-230
260mm, 10 1/4″	180-548-260
310mm, 12 1/4″	180-548-310
370mm, 14 1/2″	180-548-370

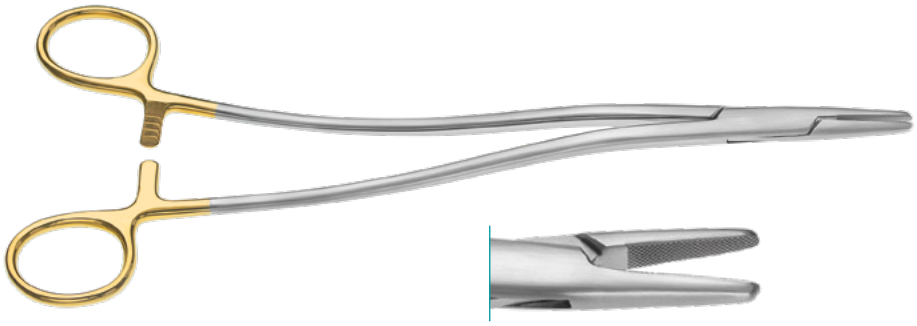
curved

150mm, 6″	180-549-150
180mm, 7″	180-549-180
200mm, 8″	180-549-200
230mm, 9″	180-549-230
260mm, 10 1/4″	180-549-260



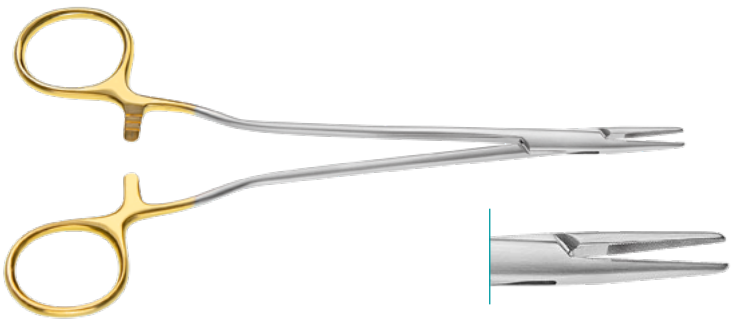
WANGENSTEEN
Vascular, serrated jaw, straight

270mm, 10 2/3″	180-562-270



WERTHEIM
S-curved, serrated, straight jaw

200mm, 8″	180-574-200
240mm, 9 1/2″	180-574-240
300mm, 11 7/8″	180-574-300



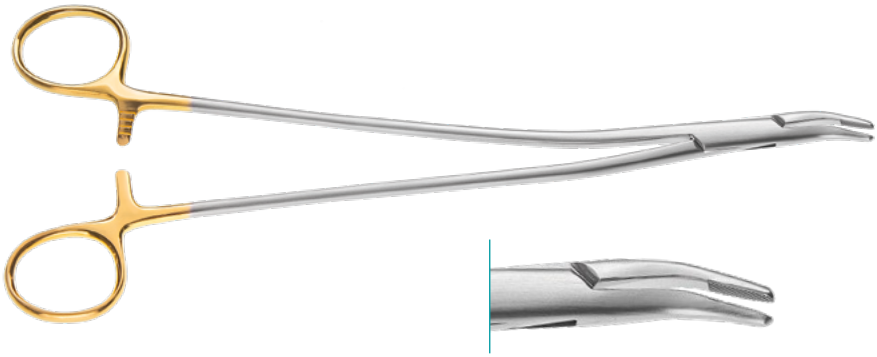
HEGAR
Vascular, micro profile, straight

140mm, 5 1/2″	180-590-140
180mm, 7″	180-590-180
200mm, 8″	180-590-200
230mm, 9″	180-590-230



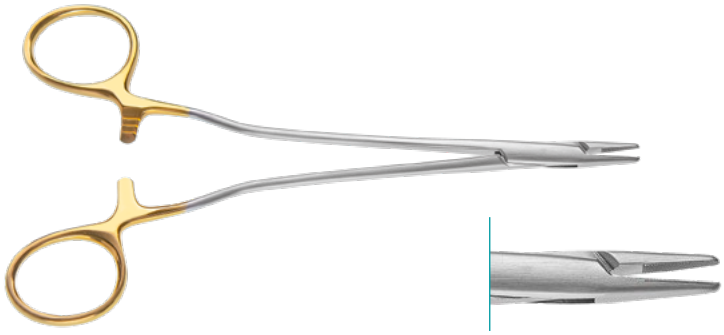
FINOCHIETTO
Serrated, angled jaw

200mm, 8″	180-558-200
270mm, 10 2/3″	180-558-270



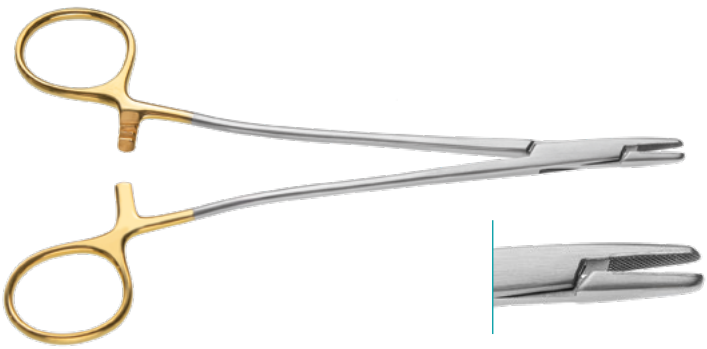
STRATTE
Laterally s-curved, serrated

200mm, 8″	180-567-200
230mm, 9″	180-567-230



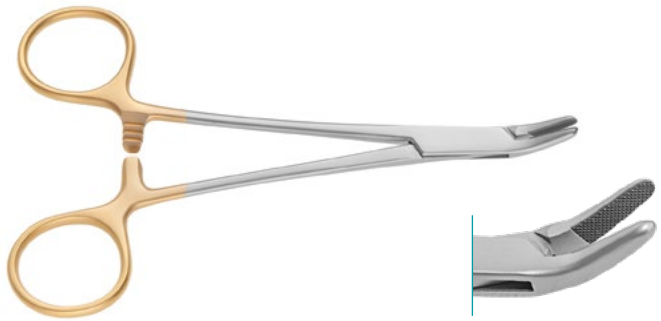
SWEDISH PATTERN
Straight, serrated jaw

150mm, 6″	180-555-150
170mm, 6 2/3″	180-555-170
200mm, 8″	180-555-200
250mm, 9 7/8″	180-555-250



SAROT
Serrated jaw, straight

180mm, 7″	180-545-180
200mm, 8″	180-545-200
260mm, 10 1/4″	180-545-260



Wire Twister, serrated, curved jaws

150mm, 6"	180-501-150



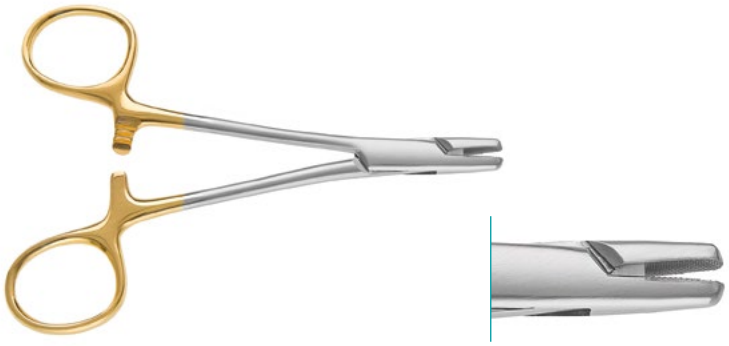
CORWIN
Wire Tightener, straight

150mm, 6"	180-810-150
185mm, 7 1/4"	180-810-185



BERRY
Wire Tightener, straight

180mm, 7"	180-309-180



TC Wire Holding Forceps, rounded jaw, straight

130mm, 5 1/8"	180-569-130



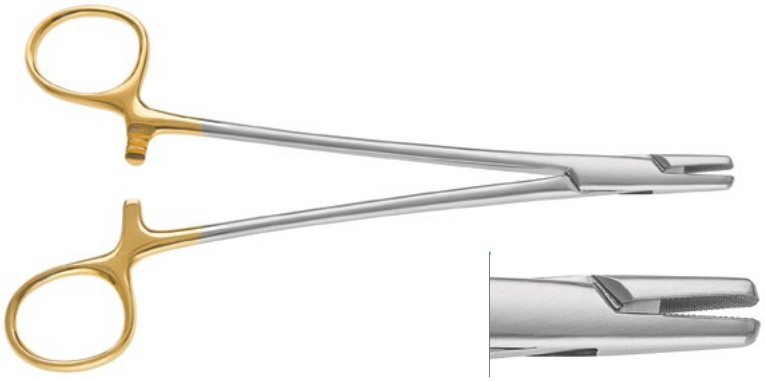
BERRY

TC Heavy Sternal Forceps, square jaw, straight

150mm, 6"	180-307-150
180mm, 7"	180-307-180
200mm, 8"	180-307-200

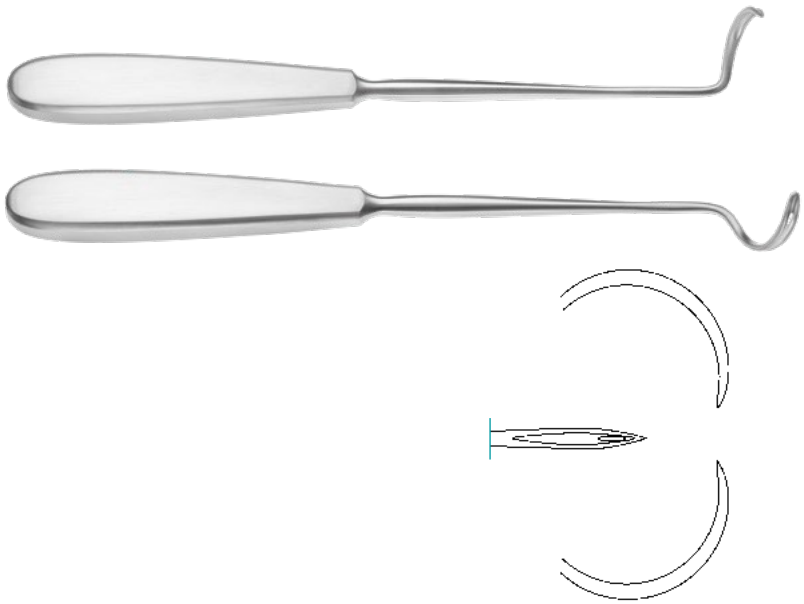
rounded jaw

150mm, 6"	180-308-150
180mm, 7"	180-307-180
200mm, 8"	180-308-200



Sternum Wire Holding Forceps, rounded jaw

180mm, 7"	180-569-180



DESCHAMPS
Ligature Needles, sharp

left curved, for right hand	180-724-200
right curved, for left hand	180-728-200

blunt

left curved, for right hand	180-726-210
right curved, for left hand	180-727-210



COOPER
Ligature Needle

190mm, 7 1/2"	180-732-190
200mm, 8"	180-732-200



HURD
Ligature Needle, 210mm, 8 1/4"

right	180-719-210
left	180-718-210



HEGENBARTH
Clip Applying Forceps

125mm, 5"	180-920-125



WACHENFELDT
Clip Applying Forceps

125mm, 5"	180-922-125



MICHEL
Clip Applying & Removal Forceps

120mm, 4 3/4"	180-916-120



MICHEL
Clip Set, complete in metal case

180-950-000





MICHEL
Clip Removal Forceps

120mm, 4 3/4"	180-920-120





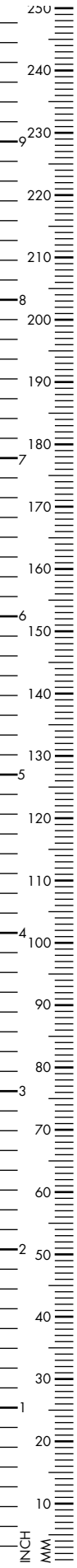
RICHTER-HEATH
Clip Removal Forceps

140mm, 5 1/2"	180-936-140



MICHEL
Suture Clips, package of 100 pcs.

7.5mm x 1.75mm	180-940-075
11.0mm x 2.0mm	180-940-110
12.0mm s 3.0mm	180-940-120
14.0mm x 3.0mm	180-940-140
16.0mm x 3.0mm	180-940-160
18.0mm x 3.0mm	180-940-180
20.0mm x 3.0mm	180-940-200
22.0mm x 3.0mm	180-940-220


250
240
230
220
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
9
8
7
6
5
4
3
2
1
INCH
MM

HAND HELD RETRACTORS



Skin Hooks
Hand Held Retractors
Abdominal Retractors



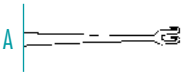


GRAEFE

Micro Skin Hook, 125mm, 5"

sharp	170-010-125
blunt	170-011-125









GUTHRIE

Micro Skin Hook, 2 prongs, sharp

A	120mm, $4^{3/4}$"	170-042-130
Fig. 1	160mm, $6^{1/4}$"	170-042-160
Fig. 2	160mm, $6^{1/4}$"	170-044-160





O'CONNOR

Skin Hook

	120mm, $4^{3/4}$"	170-040-160



FRAZIER
Skin Hook

130mm, 5 1/8"	170-013-130



BARSKY
Double Skin Hooklet, 2 prongs

150mm, 6"	170-019-000



KNAPP
Skin Retractor, 4 prongs, 130mm, 5 1/8"

sharp	170-080-001
blunt	170-080-002



MILLER
Skin Retractor, 9 prongs, 135mm, 5 1/3"

sharp	170-085-130
blunt	170-086-130



CUSHING
Skin Hook, sharp

140mm, 5 1/2"	170-015-140



KILNER
Skin Hook, sharp

150mm, 6"	230-203-150



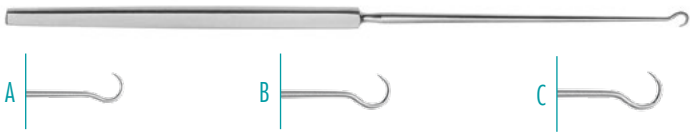
CLOWARD
Skin Hook, sharp

160mm, 6 1/4"	170-014-165



KLEINERT KUTZ
Skin Hook, sharp, 160mm, 6 1/4"

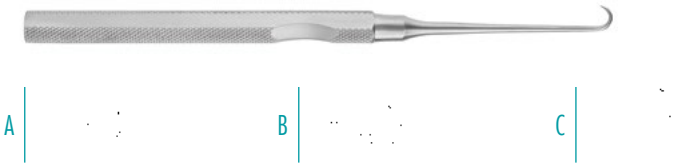
Small, 3mm	170-020-001
Medium, 5nnn	170-020-002
Large, 8mm	170-020-003



GILLIES

Skin Hook, 180mm, 7″

A Small	230-205-180
B Medium	230-207-180
C Large	230-209-180



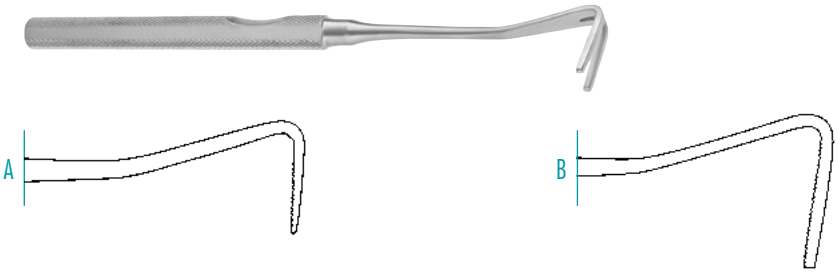
MANNERFELT (MODIF.)

Skin Hook, sharp, 1 prong

A 135mm, $5^{1/3}$″	420-560-135
B 155mm, $6^{1/8}$″	420-560-155

2 prongs (3.5 x 12mm)

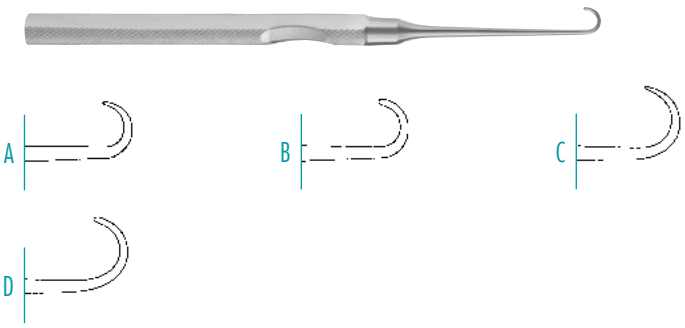
C 155mm, $6^{1/8}$″	420-561-155



MANNERFELT (MODIF.)

Skin Hook, 2 prongs, retrograded curved, 155mm, $6^{1/8}$″

A 8.0 x 12.5mm	420-562-001
B 10.2 x 21.5mm	420-562-002



MANNERFELT (MODIF.)

A Skin Hook, sharp, 155mm, $6^{1/8}$″

1 prong	420-563-001
2 prongs	420-563-002
3 prongs	420-563-003

B blunt

2 prongs	420-564-002
3 prongs	420-564-003

C sharp, large curve

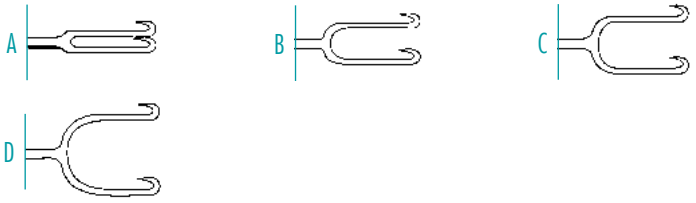
2 prongs	420-565-002
3 prongs	420-565-003

D blunt, large curve

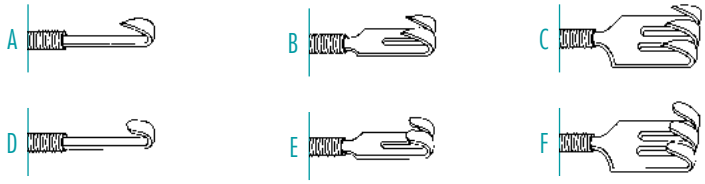
1 prong	420-566-001
2 prongs	420-566-002
3 prongs	420-566-003



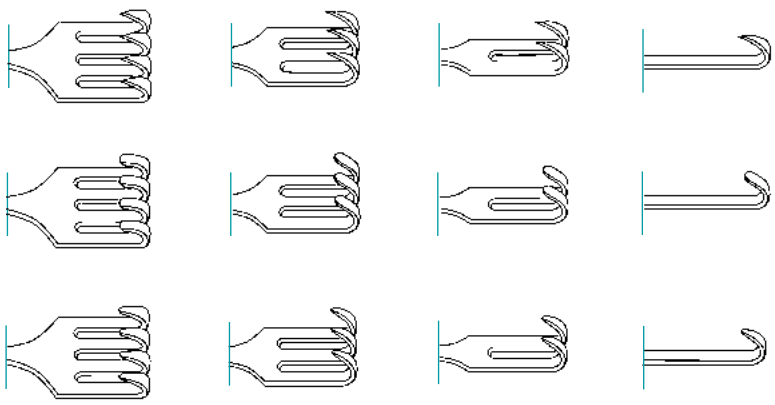












JOSEPH
Skin Hook

160mm, 6 1/4"	170-014-001

JOSEPH
Skin Hook, 2 prongs, 160mm, 6 1/4"

A	2mm wide	170-014-002
B	5mm wide	170-014-005
C	7mm wide	170-014-007
D	10mm wide	170-014-010

Skin Hook, flexible shaft
160mm, 6 1/4", sharp

A	1 prong	170-079-161
B	2 prongs	170-079-162
C	3 prongs	170-079-163

blunt

D	1 prong	170-076-161
E	2 prongs	170-076-162
F	3 prongs	170-076-163

Hand Held Retractor, 160mm, 6 1/4",
sharp

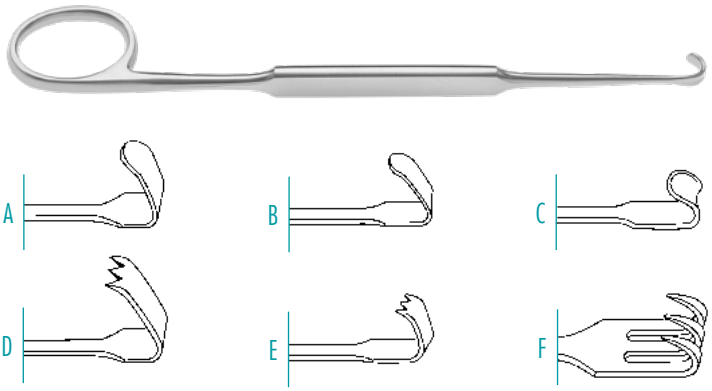
1 prong	170-074-161
2 prongs	170-074-162
3 prongs	170-074-163
4 prongs	170-074-164

blunt

1 prong	170-075-161
2 prongs	170-075-162
3 prongs	170-075-163
4 prongs	170-075-164

semi-blunt

1 prong	170-077-161
2 prongs	170-077-162
3 prongs	170-077-163
4 prongs	170-077-164



MEYERDING

Hand Held Retractor, 180mm, 7"

A 18 x 7mm	170-079-181
B 10 x 3mm, prongs	170-079-183
C 7 x 4mm	170-079-185
D 16 x 5mm, prongs	170-079-182
E 7 x 4mm	170-079-184
F 4 x 10mm, prongs	170-079-186



MINI LANGENBECK

Hand Held Retractor, 160mm, $6^{1/4}$"

10 x 6mm (AxB)	170-130-160
17 x 5mm (AxB)	170-131-160
20 x 6mm (AxB)	170-132-160
22 x 8mm (AxB)	170-133-160



DESMARRES

Hand Held Retractor, 130mm, $5^{1/8}$"

8mm	170-108-130
10mm	170-110-130
12mm	170-112-130
14mm	170-114-130
16mm	170-116-130
18mm	170-118-130

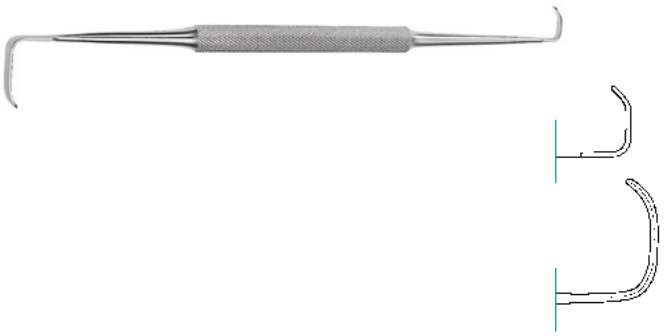
160mm, $6^{1/4}$"

8mm	170-108-160
10mm	170-110-160
12mm	170-112-160
14mm	170-114-160
16mm	170-116-160
18mm	170-118-160



CUSHING
Vein Retractor, 200mm, 8"

8mm	170-231-080
10mm	170-231-100
12mm	170-231-120
14mm	170-231-140
16mm	170-231-160
18mm	170-231-180



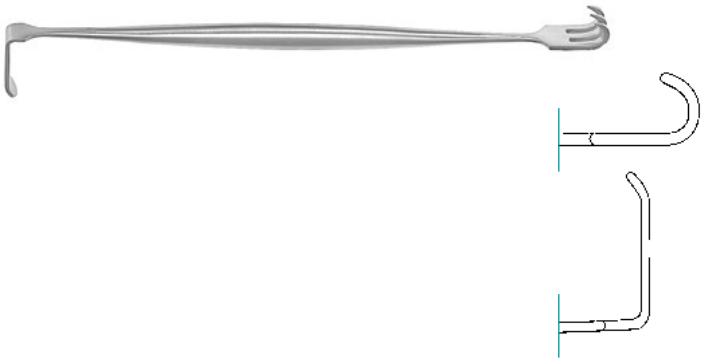
RAGNELL
Hand Held Retractor, double ended,
8 x 3mm and 16 x 5mm blade

150mm, 6"	170-206-150



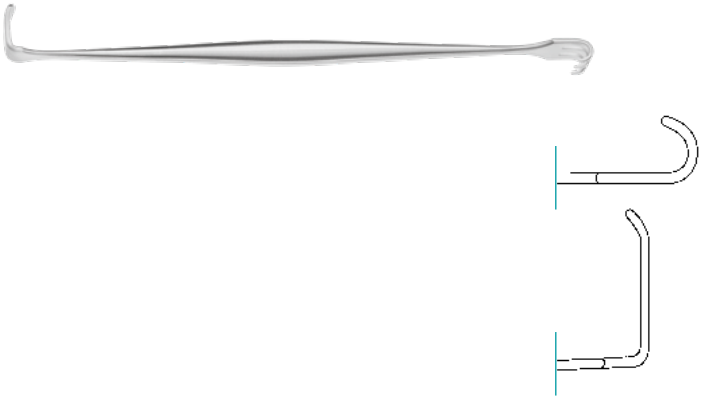
RAGNELL DAVIS
Hand Held Retractor, double ended,
8 x 4mm and 15 x 5.5mm blade

140mm, 5 1/2"	170-207-140



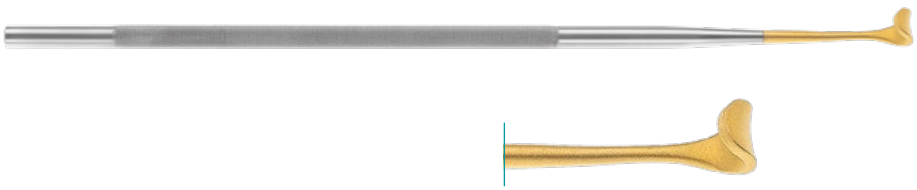
SENN MILLER
Hand Held Retractor,
8 x 7mm / 18 x 5.5mm, 160mm, 6 1/4"

sharp	170-210-160
blunt	170-212-160



BABY SENN-MILLER
Hand Held Retractor,
8 x 7mm / 20 x 7mm, 155mm, 6 1/8"

sharp	170-214-160
blunt	170-213-160



GIL VERNET
Hand Held Retractor, malleable
135mm, 5 1/3"

8mm	170-236-108
11mm	170-236-111
15mm	170-236-115

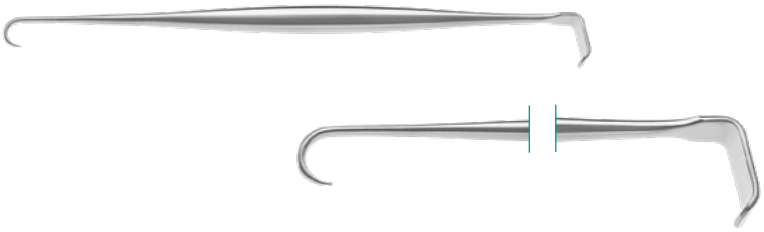
200mm, 8"

8mm	170-236-208
11mm	170-236-211
15mm	170-236-215
17mm	170-236-217
20mm	170-236-220
23mm	170-236-223



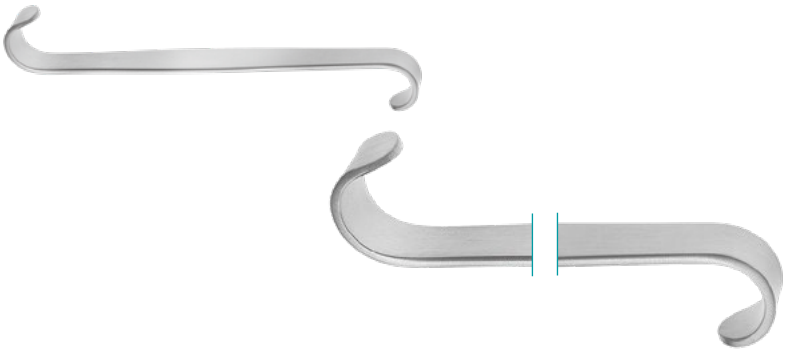
MATHIEU
Hand Held Retractor, 160mm, 6 1/4″
20 x 6.5mm, 8mm wide

sharp	170-001-160
blunt	170-002-160



MEYERDING
Hand Held Retractor and Skin Hook,
16 x 5mm

155mm, 6 1/8″	170-165-155



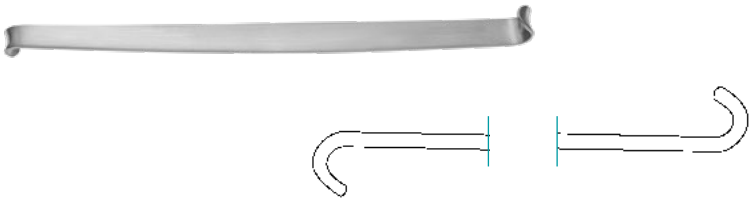
LUER
Retractor, 10 x 5mm / 14 x 9mm

110mm, 4 1/3″	170-671-110



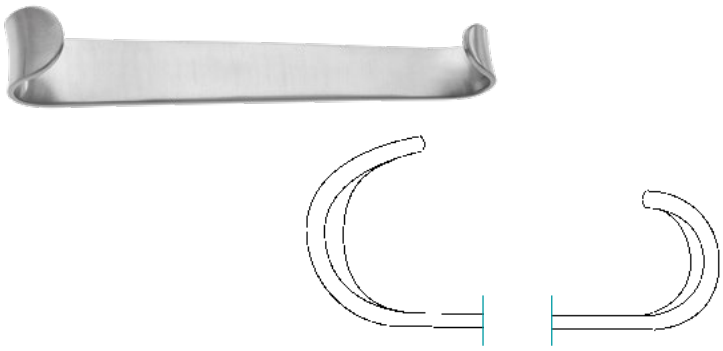
CRILE
Retractor, 12 x 4mm / 20 x 6mm

115mm, 4 1/2″	170-670-115



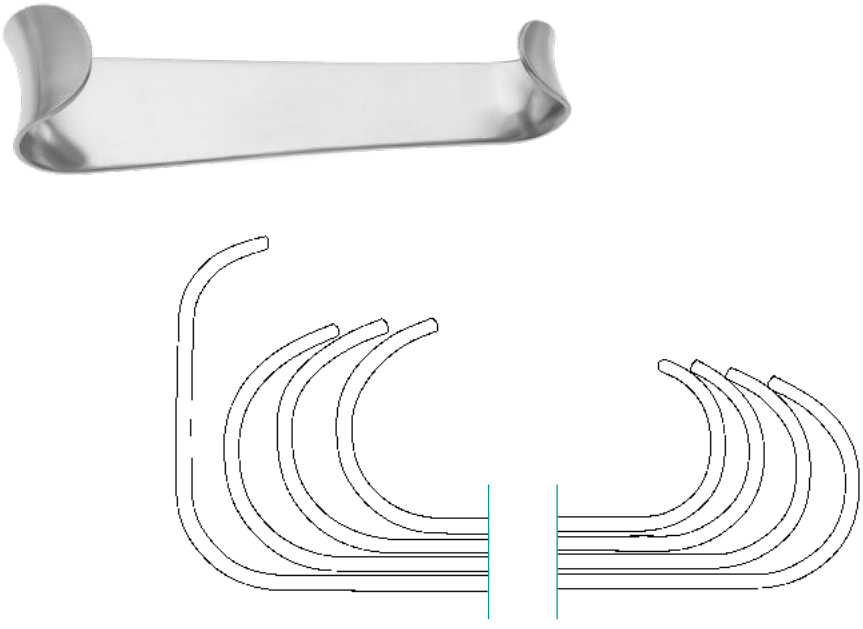
MINI ROUX
Retractor, double-ended, 6 x 7mm

140mm, 5 1/2"	170-667-006



BABY ROUX
Retractor, 17 x 16mm / 18 x 22mm

130mm, 5 1/8"	170-669-130



ROUX
Retractor, 165mm, 6 1/2"

Fig. 1, 19 x 22mm 23 x 30mm	170-655-140
Fig. 2, 25 x 26mm 28 x 38mm	170-655-150
Fig. 3, 28 x 29mm 33 x 45mm	170-655-170
Set of Fig 1-3	170-655-000



FARABEUF
Retractor Set
Fig. 1 30 x 10mm / 26 x 10mm
Fig. 2 30 x 13mm / 34 x 13mm, Fig 2

120mm, 4 3/4"	170-663-120

Fig. 1 23 x 16mm / 27 x 16mm
Fig. 2 27 x 16mm / 30 x 16mm

150mm, 6"	170-665-150



PARKER
Retractor Set
19 x 15mm / 19 x 15mm
22 x 15mm / 22 x 15mm

140mm, 5 1/2"	170-673-001

26 x 25mm / 27 x 25 mm
29 x 25mm / 27 x 25 mm

185mm, 7 1/4"	170-673-002



COLLIN
Retractor Set
28 x 16mm / 32 x 16mm

145mm, 5 3/4"	170-666-145



PARKER MOTT
Retractor Set, Fig. 1 + 2
21 x 24mm / 68 x 24mm
15 x 24mm / 72 x 24mm

160mm, 6 1/4"	170-675-000



MATHIEU
Retractor Set
42 x 13mm / 42 x 26mm
47 x 13mm / 46 x 26mm

200mm, 8"	170-683-000



PARKER LANGENBECK (US ARMY)
Retractor Set

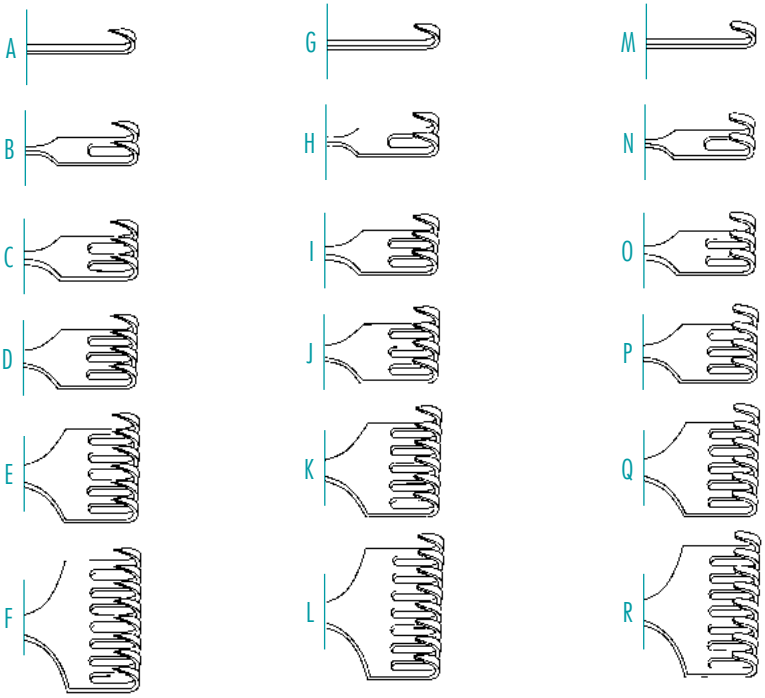
210mm, 8 1/4"	170-687-210



GOELET
Retractor, 40 x 40mm / 30 x 30mm

195mm, 7 1/2"	170-695-000

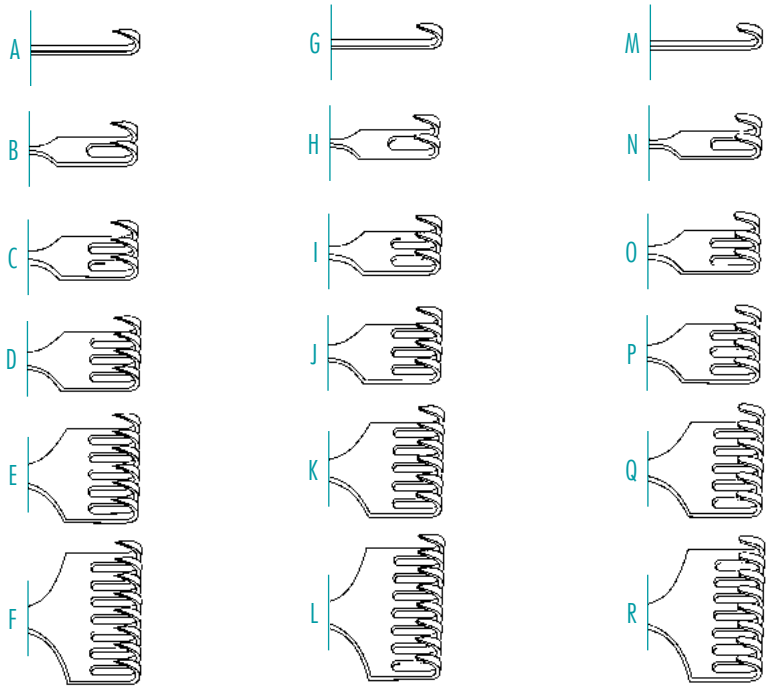




KOCHER
Retractor, 220mm, 8 2/3"

sharp	
A 1 prong, 15mm	170-310-221
B 2 prongs, 9x8mm	170-310-222
C 3 prongs, 15x15mm	170-310-223
D 4 prongs, 15x20mm	170-310-224
E 6 prongs, 15x30mm	170-310-226
F 8 prongs, 15x40mm	170-310-228
semi - sharp	
G 1 prong, 15mm	170-312-221
H 2 prongs, 9x8mm	170-312-222
I 3 prongs, 15x15mm	170-312-223
J 4 prongs, 15x20mm	170-312-224
K 6 prongs, 15x30mm	170-312-226
L 8 prongs, 15x40mm	170-312-228
blunt	
M 1 prong, 15mm	170-311-221
N 2 prongs, 9x8mm	170-311-222
O 3 prongs, 15x15mm	170-311-223
P 4 prongs, 15x20mm	170-311-224
Q 6 prongs, 15x30mm	170-311-226
R 8 prongs, 15x40mm	170-311-228





VOLKMANN
Retractor, 215mm, 8 1/2"

sharp	
A 1 prong, 9mm	170-220-215
B 2 prongs, 9x8mm	170-222-215
C 3 prongs, 9x13mm	170-224-215
D 4 prongs, 9x19mm	170-226-215
E 6 prongs, 9x29mm	170-228-215
F 8 prongs, 9x40mm	170-230-215
semi - sharp	
G 1 prong, 9mm	170-231-215
H 2 prongs, 9x8mm	170-233-215
I 3 prongs, 9x13mm	170-235-215
J 4 prongs, 9x19mm	170-237-215
K 6 prongs, 9x29mm	170-239-215
L 8 prongs, 9x40mm	170-241-215
blunt	
M 1 prong, 9mm	170-221-215
N 2 prongs, 9x8mm	170-223-215
O 3 prongs, 9x13mm	170-225-215
P 4 prongs, 9x19mm	170-227-215
Q 6 prongs, 9x29mm	170-229-215
R 8 prongs, 9x40mm	170-232-215



VOLKMANN
Retractor, 115mm, 4 1/2"
sharp

1 prong, 7.5mm wide	170-140-002
2 prongs, 9.2mm wide	170-140-003
3 prongs, 12.2mm wide	170-140-004
4 prongs, 19.0mm wide	170-140-006

blunt

1 prong, 7.5mm wide	170-141-002
2 prongs, 9.2mm wide	170-141-003
3 prongs, 12.2mm wide	170-141-004
4 prongs, 19.0mm wide	170-141-006



MURPHY
Retractor, 200mm, 8"
sharp

2 prongs	170-218-102
3 prongs	170-218-103
4 prongs	170-218-104
6 prongs	170-218-106

blunt

2 prongs	170-218-202
3 prongs	170-218-203
4 prongs	170-218-204
6 prongs	170-218-206



OLLIER
Retractor, blunt, 230mm, 9″

3 prongs, 36 x 30mm	170-214-003
4 prongs, 36 x 60mm	170-214-004



ISRAEL
Retractor, blunt, 250mm, 9 7/8″

4 prongs, 40x40mm	170-220-004
5 prongs, 45x50mm	170-220-005
6 prongs, 50x60mm	170-220-006
6 prongs, 70x70mm	170-220-007



WASSMUND
Retractor

200mm, 8″	170-216-200



KOERTE
Retractor, 40 x 30mm, 240mm, 9 1/2"

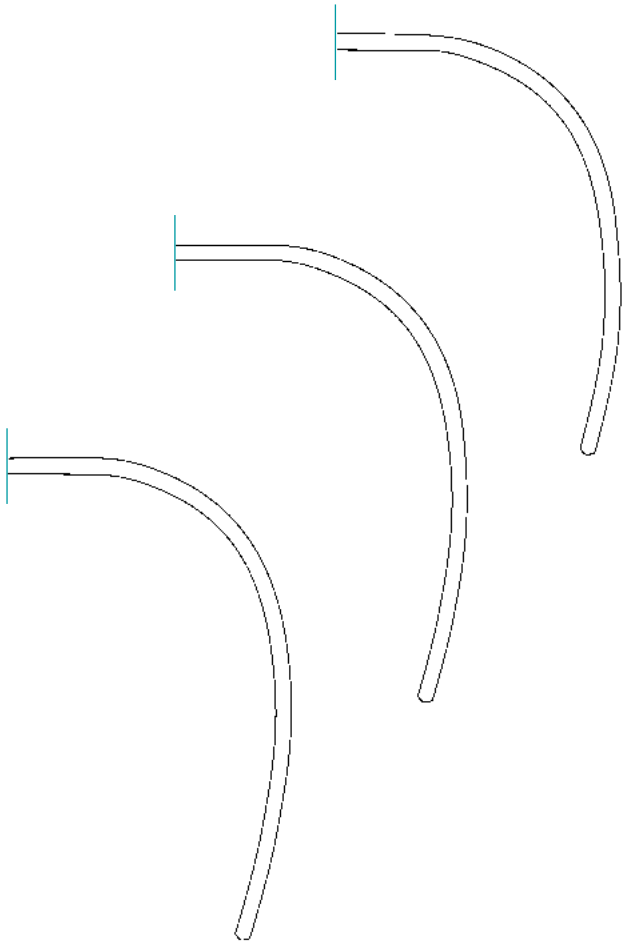
sharp	170-218-008
blunt	170-219-008



KOERTE WAGNER
Retractor, 25 x 40mm, semi - sharp

280mm, 11"	170-220-280





LANGENBECK
Retractor, 210mm, 8 1/4"

55 x 20mm	170-225-210
60 x 20mm	170-226-210
63 x 20mm	170-227-210



LAHEY
Retractor, 28 x 6mm

190mm, 7 1/2"	170-312-190



LITTLE
Retractor, 15 x 12mm

200mm, 8"	170-313-200



GREEN
Retractor, 20 x 23mm

220mm, 8 2/3"	170-319-220







MIDDELDORPF
Retractor, hollow handle

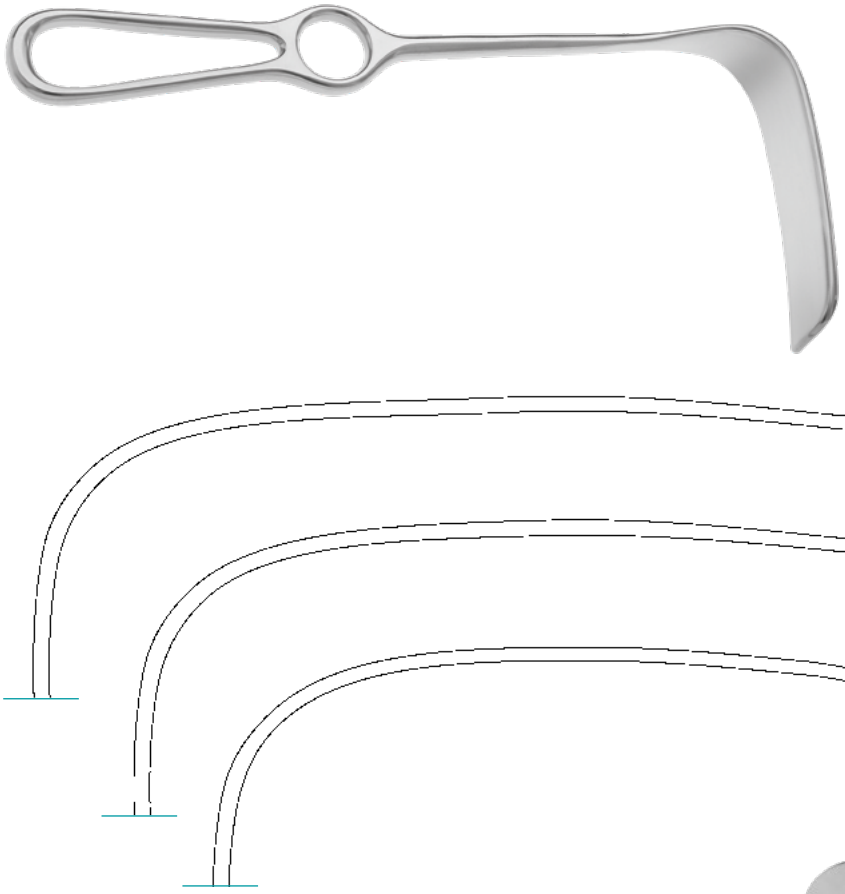
14 x 17mm 215mm, 8 1/2"	170-363-001
20 x 22mm 220mm, 8 2/3"	170-363-002
26 x 30mm 235mm, 9 1/4"	170-363-003

fenestrated handle

14 x 17mm 215mm, 8 1/2"	170-325-001
20 x 22mm 220mm, 8 2/3"	170-325-002
26 x 30mm 235mm, 9 1/4"	170-325-003

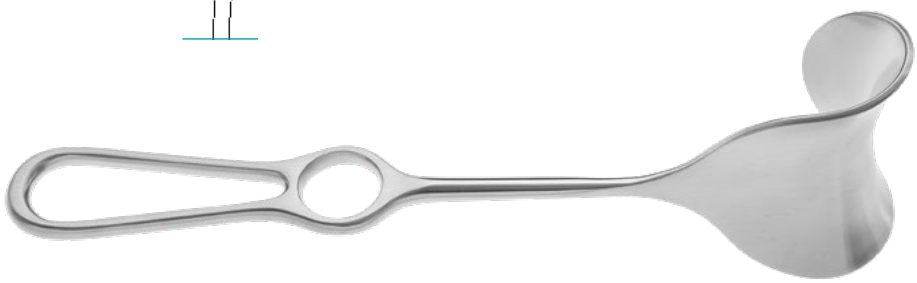
MIDDELDORPF
Abdominal Retractor, 255mm, 10"

40 x 45mm	170-443-001
40 x 50mm	170-443-002
55 x 70mm	170-443-003



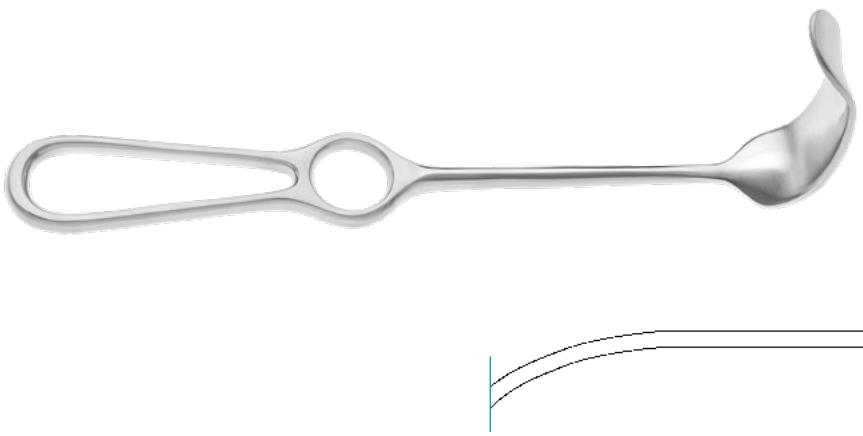
DOYEN STILLE
Retractor, 220mm, $8^{2/3}$"

120 x 52mm	170-440-001
105 x 30mm	170-440-002
90 x 28mm	170-440-003



FRITSCH
Retractor, 240mm, $9^{1/2}$"

45 x 40mm	170-447-040
45 x 50mm	170-447-050
45 x 60mm	170-447-060
55 x 75mm	170-447-075
65 x 85mm	170-447-085



KOCHER
Retractor

70 x 25mm 220mm, $8^{2/3}$"	170-449-225
80 x 42mm 250mm, $9^{7/8}$"	170-451-002
80 x 50mm 250mm, $9^{7/8}$"	170-451-003
80 x 60mm 250mm, $9^{7/8}$"	170-451-004



RICHARDSON EASTMAN
Retractor, 260mm, 10 1/4" / 280mm, 11"

Set (Fig. 1+2)	170-381-000
Fig. 1, 28 x 20mm / 36 x 28mm	170-381-001
Fig. 2, 40 x 38 mm / 71 x 43 mm	170-381-002



RICHARDSON
Retractor, loop handle, 240mm, 9 1/2"

28 x 20mm	170-383-001
36 x 28mm	170-383-002
44 x 38mm	170-383-003
52 x 22mm	170-383-004



RICHARDSON
Retractor, hollow grip handle, 240mm, 9 1/2"

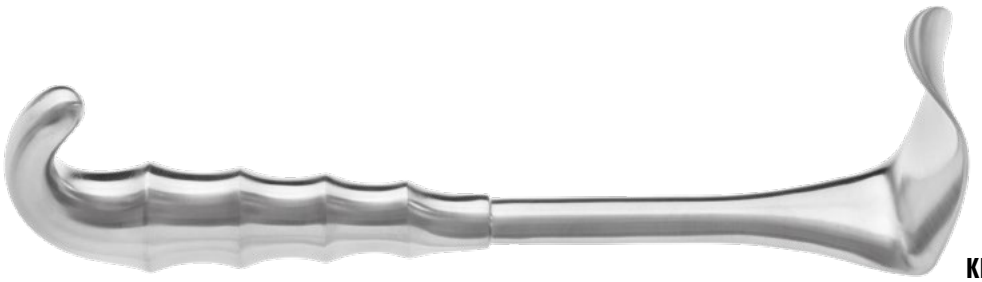
20 x 25mm	170-386-001
38 x 38mm	170-386-003
19 x 51mm	170-386-004
41 x 64mm	170-386-005



KELLY
Retractor, loop handle, 240mm, 9 1/2″

65 x 50mm	170-383-005
70 x 65mm	170-383-006
40 x 50mm	170-383-007
75 x 90mm	170-383-008

260mm, 10 1/4″



KELLY
Retractor, hollow grip handle, 245mm, 9 2/3″

40 x 54mm	170-386-006
53 x 65mm	170-386-007
65 x 81mm	170-386-008



MURPHY
Gallbladder Retractor, 50mm blade

280mm, 11″	170-500-255



DOYEN
Retractor, 50x85mm

250mm, 9 7/8"	170-461-250



DOYEN
Retractor, 280mm, 11"

60 x 95mm	170-879-001
65 x 105mm	170-879-002
65 x 115mm	170-879-003
65 x 125mm	170-879-004



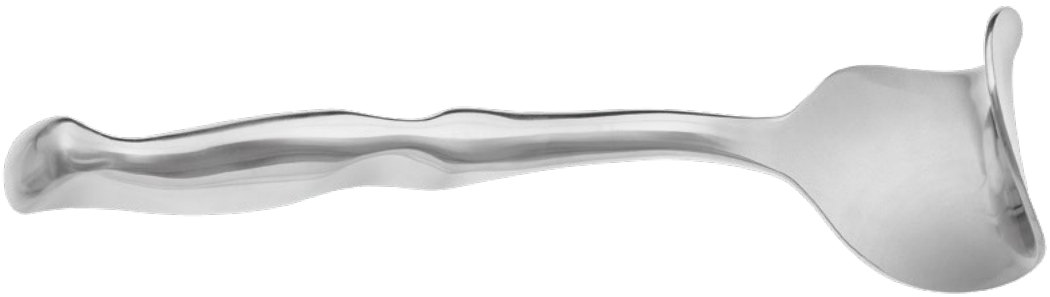
TUFFIER
Retractor, 64 x 60mm

230mm, 9″	170-453-230



DOYEN
Retractor, slightly concave, 220mm, 8 2/3″

Fig. 1, 55 x 35mm	350-290-001
Fig. 2, 85 x 35mm	350-290-002
Fig. 3, 115 x 35mm	350-290-003
Fig. 1, 55 x 45mm	350-290-004
Fig. 2, 85 x 45mm	350-290-005
Fig. 3, 115 x 45mm	350-290-006
Fig. 4, 160 x 45mm	350-290-007
Fig. 1, 55 x 60mm	350-290-008
Fig. 2, 85 x 60mm	350-290-009
Fig. 3, 115 x 60mm	350-290-010
Fig. 4, 160 x 60mm	350-290-011



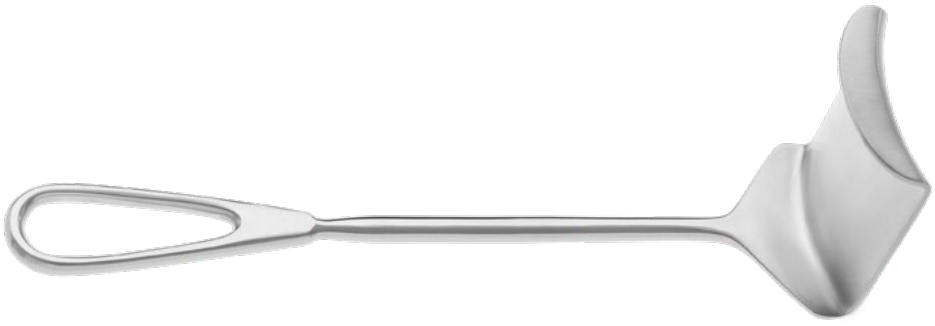
MAYO
Retractor, 70mm blade

275mm, $10^{7/8}$"	170-070-275



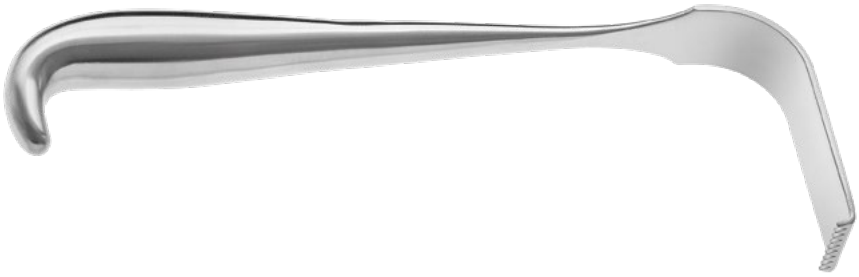
WEINBERG
Vagotomy Retractor
155 x 93mm / 54 x 51mm blades

220mm, $8^{2/3}$"	170-800-220



MORRIS
Retractor, 245mm, $9^{2/3}$"

70 x 38mm	170-465-380
70 x 50mm	170-465-510
70 x 65mm	170-465-650



MEYERDING
Retractor, 225mm, 8 7/8"

90 x 50mm	170-490-500
75 x 25mm	170-475-160
50 x 16mm	170-450-160



HIBBS
Retractor, 230mm, 9"

25 x 13mm	170-200-000
75 x 25mm	170-200-001
80 x 25mm	170-200-002



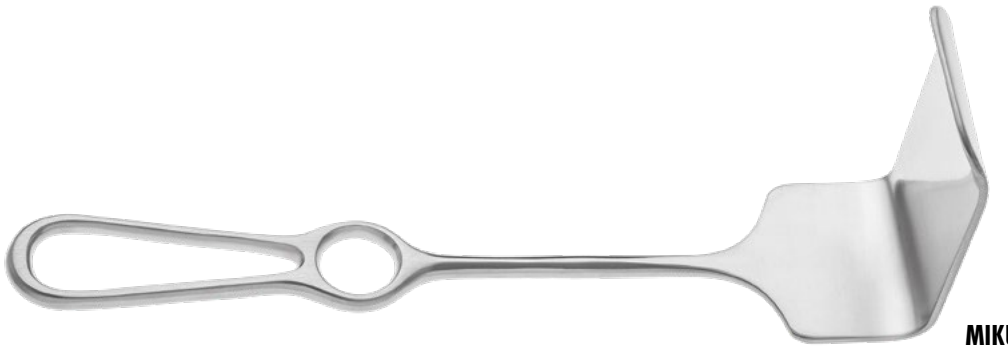
SIMON
Retractor, 280mm, 11"

115 x 22mm	170-457-001
115 x 27mm	170-457-002



BRUNNER
Retractor, 250mm, 9 7/8"

80 x 20mm	170-471-008
100 x 20mm	170-471-010
120 x 25mm	170-471-012
140 x 25mm	170-471-014
160 x 30mm	170-471-016
180 x 30mm	170-471-018



MIKULICZ
Retractor, 90 x 50mm

260mm, 10 1/4"	170-607-260



MIKULICZ
Retractor, 260mm, 10 1/4"

85 x 35mm	170-489-001
120 x 50mm	170-489-002
150 x 50mm	170-489-003



KELLY
Retractor, 270mm, $10^{2/3}$"

160 x 38mm	170-531-260
160 x 57mm	170-530-260
190 x 38mm	170-533-260
190 x 57mm	170-532-260



CORYLLOS
Retractor, 240mm, $9^{1/2}$"

115 x 65mm	170-461-003
108 x 43mm	170-461-002
82 x 22mm	170-461-001



SAUERBRUCH
Retractor, 125 x 37mm

250mm, $9^{7/8}$"	170-465-250



ZENKER
Retractor

250mm, 9 7/8″ 35 x 8mm	170-319-250
260mm, 10 1/4″ 60 x 12mm	170-319-260
275mm, 10 7/8″ 75 x 12mm	170-319-270



SEMB
Retractor, 250mm, 9 7/8″

Fig. 1, 25 x 25mm 3 prongs	170-462-001
Fig. 2, 25 x 20mm 4 prongs	170-462-002



LANGENBECK
Retractor, solid handle, 220mm, 8 2/3″

30 x 11mm	170-222-220
30 x 14mm	170-222-221
30 x 16mm	170-222-222
40 x 11mm	170-222-223
50 x 11mm	170-222-224

fenestrated handle

30 x 11mm	170-293-001
30 x 14mm	170-293-002
30 x 16mm	170-293-003
40 x 11mm	170-293-004
50 x 11mm	170-293-005



KOCHER LANGENBECK
Retractor, 215mm, 8 1/2"

22 x 6mm	170-317-022
25 x 8mm	170-317-025
25 x 6mm	170-317-026
35 x 8mm	170-317-035
35 x 11mm	170-317-036
35 x 15mm	170-317-037
40 x 11mm	170-317-040
55 x 11mm	170-317-055
70 x 15mm	170-317-070
80 x 12mm	170-317-080
80 x 15mm	170-317-081



KOCHER
Retractor, 230mm, 9"

40 x 18mm	170-315-018
60 x 20mm	170-315-020
60 x 25mm	170-315-025
75 x 30mm	170-315-030
75 x 40mm	170-315-040



SAUERBRUCH
Retractor, 225mm, 8 7/8"

Fig. 1, 44 x 16mm	170-561-001
Fig. 2, 55 x 22mm	170-561-002
Fig. 3, 72 x 19mm	170-561-003



HARRINGTON
Retractor, 320mm, 12 1/2″

127 x 40mm	170-481-040
127 x 62mm	170-481-062



HARRINGTON PEMBERTON
Retractor, 295mm, 11 2/3″

175 x 64mm	170-481-295



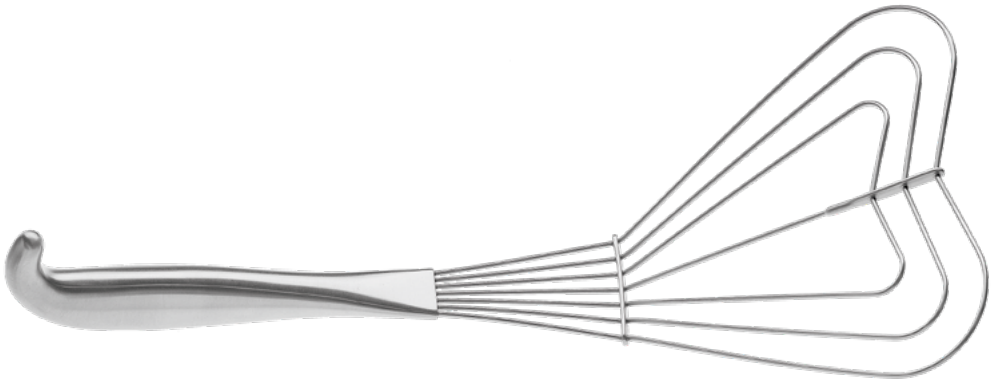
WYLIE
Retractor, 310mm, 12 1/4″

25 x 100mm	170-430-001
25 x 180mm	170-430-002



ALLISON

Lung Spatula, 40mm	
300mm, 11 7/8"	290-505-300
54mm	
320mm, 12 1/2"	290-505-320



Lung Spatula	
300mm, 11 7/8"	290-511-260



ROCHARD
Mounting Frame for one side

260mm / 530mm (26" / 21")	170-950-000

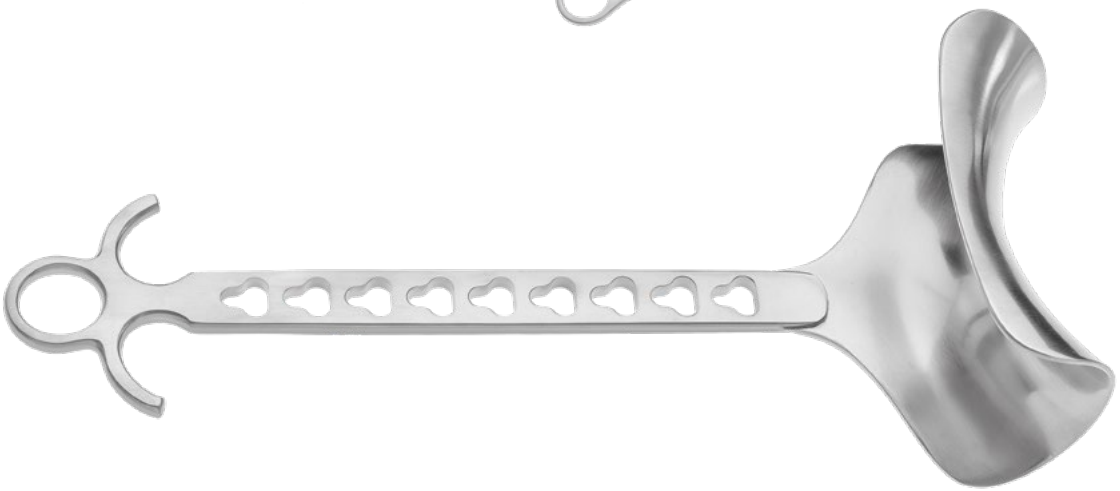
ROCHARD
Mounting Frame for two sides

260mm / 530mm (26" / 21")	170-950-100



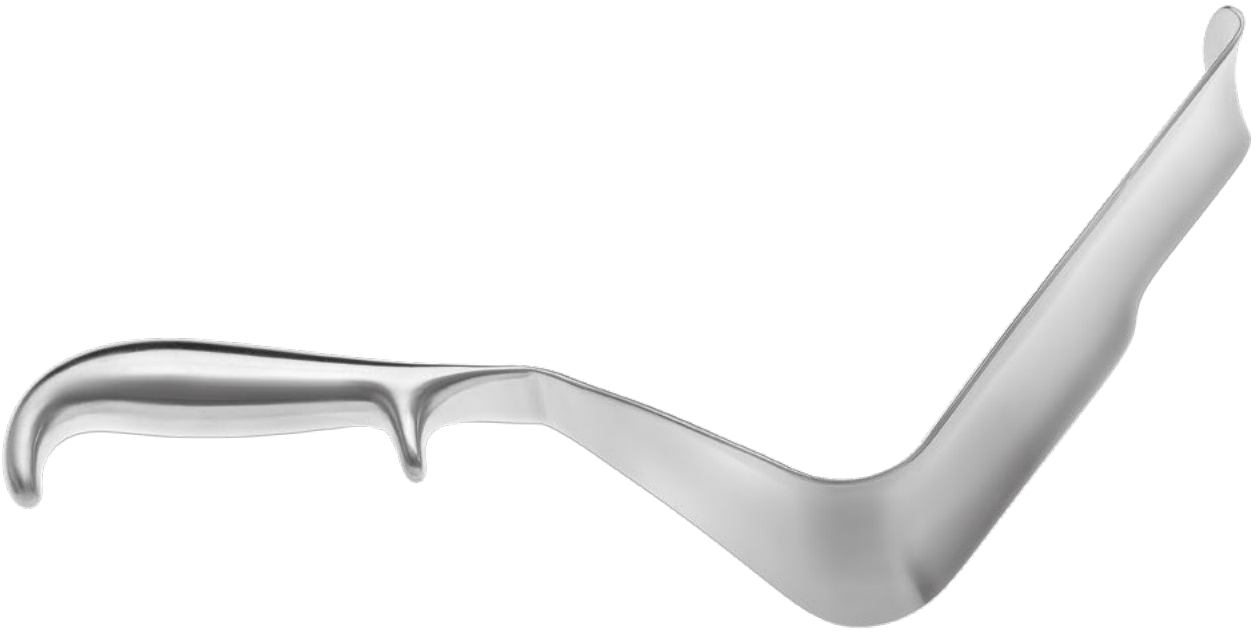
ROCHARD
Fixation Device

190mm, 7 1/2"	170-950-050



ROCHARD
Retractor, 280mm, 11"

48 x 90mm	170-950-090
48 x 105mm	170-950-105
48 x 120mm	170-950-115
48 x 135mm	170-950-135
48 x 155mm	170-950-155



ST. MARKS
Pelvic Retractor with lip,
130x60mm

290mm, 11 1/2"	170-493-001

180x60mm

330mm, 13"	170-493-002

180x60mm, without lip

330mm, 13"	170-493-003



LERICHE
Retractor, 275mm, 10 7/8"

45mm	170-245-275
60mm	170-260-275



KUEMMEL
Abdominal Retractor, 100 x 45mm

280mm, 11"	170-621-280



KOERTE
Abdominal Retractor, 120 x 47mm

280mm, 11"	170-617-280

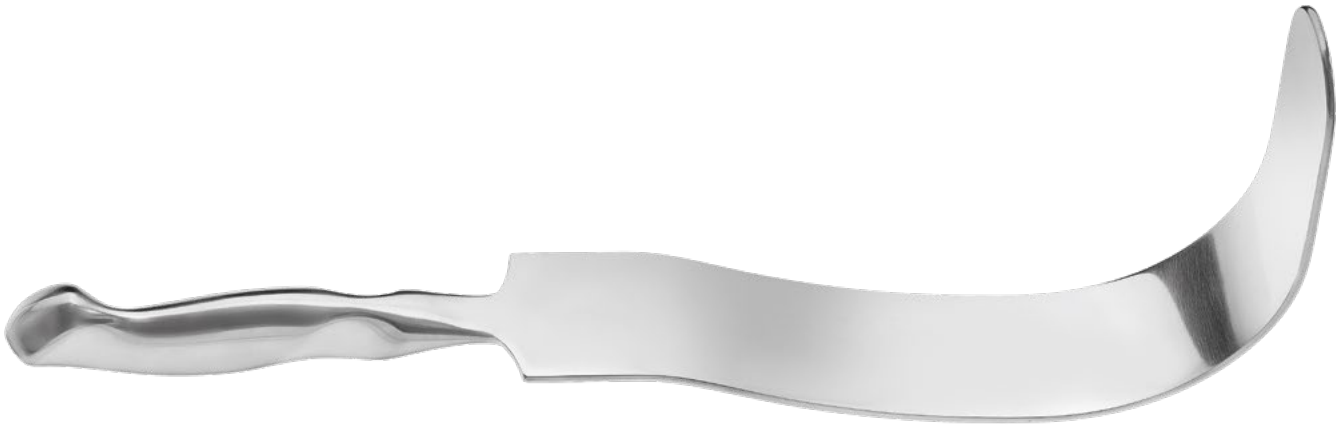


DEAVER WILLAUER
Retractor, 160 x 25mm

380mm, 15"	170-160-025

160x50mm

390mm, 15 1/4"	170-160-050



DEAVER FORD
Retractor with lip, 420mm, 16 1/2"

255 x 150 x 50mm	170-420-050
255 x 150 x 75mm	170-420-075
255 x 150 x 100mm	170-420-100



DEAVER
Retractor, hollow handle, 250mm, 9 7/8"

25 x 254mm	170-483-024
25 x 300mm	170-483-025
25 x 330mm	170-483-026
38 x 300mm	170-483-038
50 x 310mm	170-483-050
75 x 300mm	170-483-075
100 x 300mm	170-483-100



DEAVER
Retractor, smooth working end, 180mm, 7″

19mm	170-591-180

serrated working end

19mm	171-591-180

smooth working end, 215mm, 8 1/2″

22mm	170-591-215

serrated working end

22mm	171-591-215

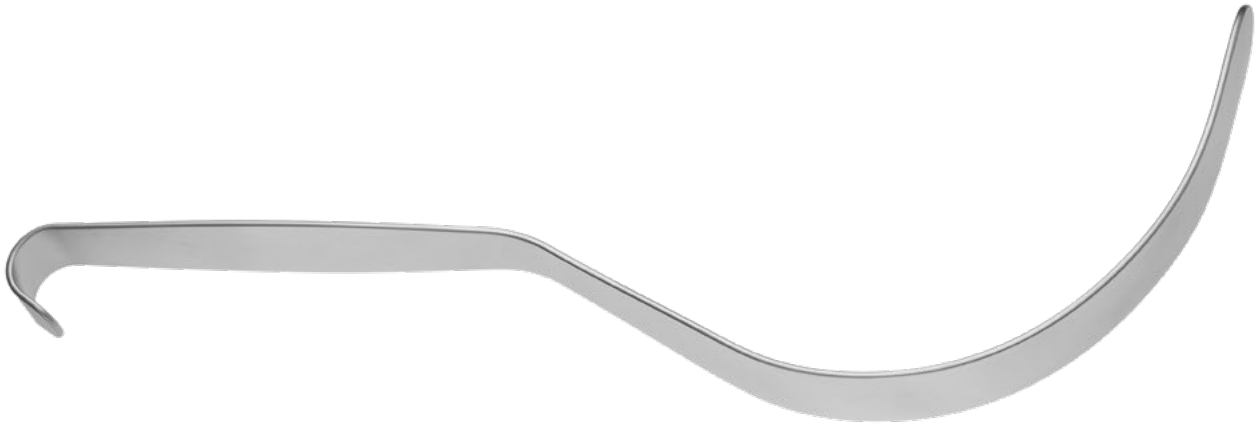


DEAVER
Retractor, smooth working end, 230mm, 9″

25mm	170-591-230

serrated working end, 230mm, 9″

25mm	171-591-230



DEAVER
Retractor, smooth working end, 25mm

300mm, 11 7/8″	170-591-300
330mm, 13″	170-591-330
360mm, 14 1/8″	170-591-360

300mm, 11 7/8″

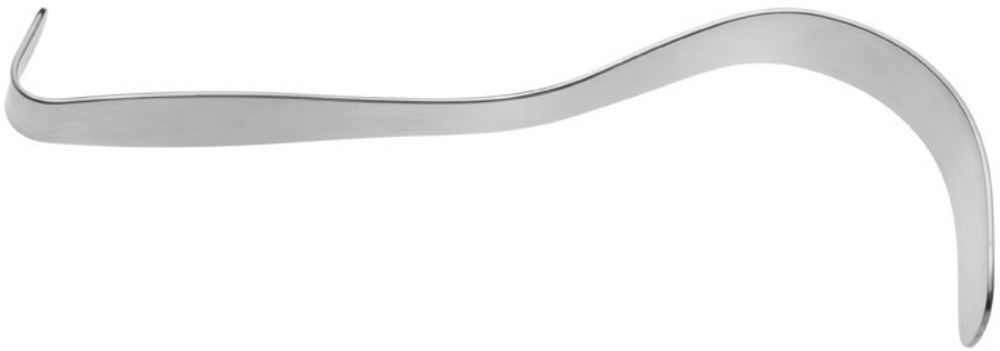
38mm	170-593-300
50mm	170-595-300
75mm	170-597-300
100mm	170-598-300

serrated working end, 25mm

300mm, 11 7/8″	171-591-300
330mm, 13″	171-591-330
360mm, 14 1/8″	171-591-360

300mm, 11 7/8″

38mm	171-593-300
50mm	171-595-300
75mm	171-597-300
100mm	171-598-300



DEAVER
Retractor

25x265mm	170-025-265



DEAVER
Retractor, pediatric size

10x180mm	170-010-180



DEAVER
Retractor, pediatric size, 170mm, $6^{2/3}$"

8mm	170-008-170
10mm	170-010-170
15mm	170-015-170



RIBBON
Abdominal Retractor, malleable

200 x 6mm	170-973-006
200 x 12mm	170-973-012
200 x 17mm	170-973-017
200 x 20mm	170-973-020
250 x 25mm	170-973-025
330 x 10mm	170-963-010
330 x 13mm	170-963-013
330 x 19mm	170-963-019
330 x 25mm	170-963-025
330 x 32mm	170-963-032
330 x 40mm	170-963-040
330 x 50mm	170-963-050
330 x 68mm	170-963-068



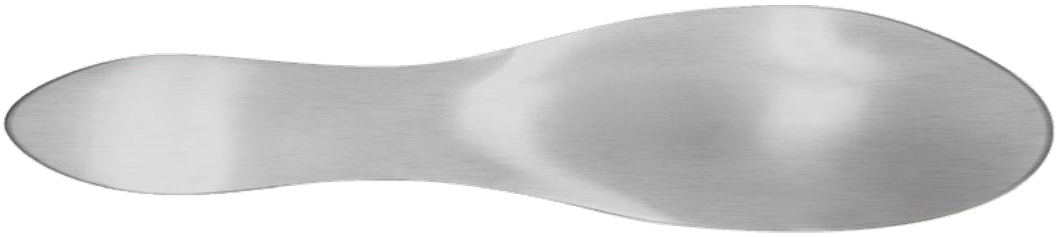
TUFFIER
Abdominal Retractor, malleable

200 x 25mm	170-975-250



HABERER
Abdominal Retractor, malleable

280 x3 5mm 25/30mm	170-971-250
300 x 37mm 37/45mm	170-971-300
300 x 40mm 40/50mm	170-971-370



REVERDIN
Abdominal Retractor

280 x 45/60mm	170-953-280



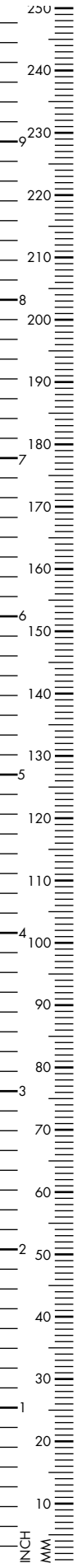
RIBBON
Retractor, hollow handle, 460mm, 18"

19mm	170-964-019
25mm	170-964-025
32mm	170-964-032
38mm	170-964-038
51mm	170-964-050



KADER
Retractor, 270mm, $10^{2/3}$"

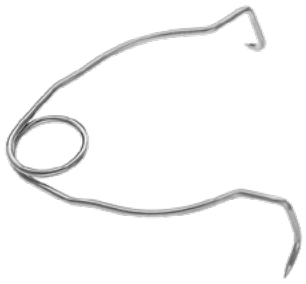
30mm	170-623-300
40mm	170-623-400


250
240
230
220
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
9
8
7
6
5
4
3
2
1
INCH
MM

RETAINING RETRACTORS

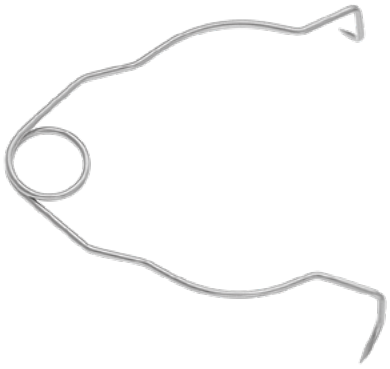


Spring Wire Retractors
Small Self Retaining Retractors
Self Retaining Retractors
Abdominal Self Retaining Retractors
Ring Retractors



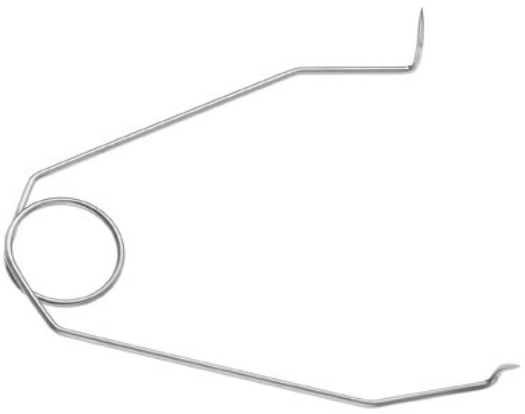
FARR
10mm, sharp

38mm, 1 1/2"	170-710-038



FARR
11mm, sharp

50mm, 2"	170-710-050
58mm, 2 1/4"	170-710-058
64mm, 2 1/2"	170-710-064
75mm, 3"	170-710-075

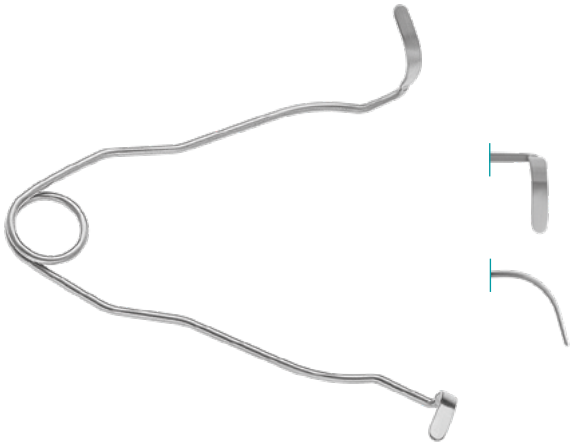


FARR
20mm, sharp

140mm, 5 1/2"	170-711-140

30mm, sharp

140mm, 5 1/2"	170-712-140



FARR

12mm flat blades

64mm, 2 1/2"	170-712-064



Spring Wire Retractor, 10.5mm sharp points

75mm, 3"	170-100-075

11x15.5mm flat blades

90mm, 3 1/2"	170-100-090

15.5x20.5mm flat blades

115mm, 4 1/2"	170-100-115



FINSEN

Spring Retractor, 2x3 teeth, 50mm, 2"

sharp	170-700-050
blunt	170-701-050

3x4 teeth, 70mm, 2 3/4"

sharp	170-702-070
blunt	170-703-070



BARRAQUER

Eye Specula

Children, 10mm blade	400-500-030
Adult, 40mm blade	400-500-040

1mm wire thickness

Adult, 40mm blade	400-500-045





ALM

4x4 teeth, 70mm, 2 3/4″

sharp	170-714-070
blunt	170-715-070

100mm, 4″

sharp	170-714-100
blunt	170-715-100



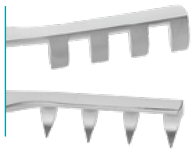


HOLZHEIMER

Skin Retractor, 4 prongs,
8mm wide, 5mm deep, 100mm, 4″

blunt	170-109-001
sharp	170-109-002



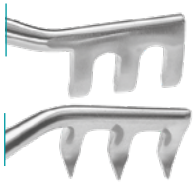


ALLPORT

4x4 prongs, sharp

95mm, 3 3/4″	170-719-095





JANSEN

3x3 prongs, 100mm, 4″

sharp	170-720-100
blunt	170-723-100



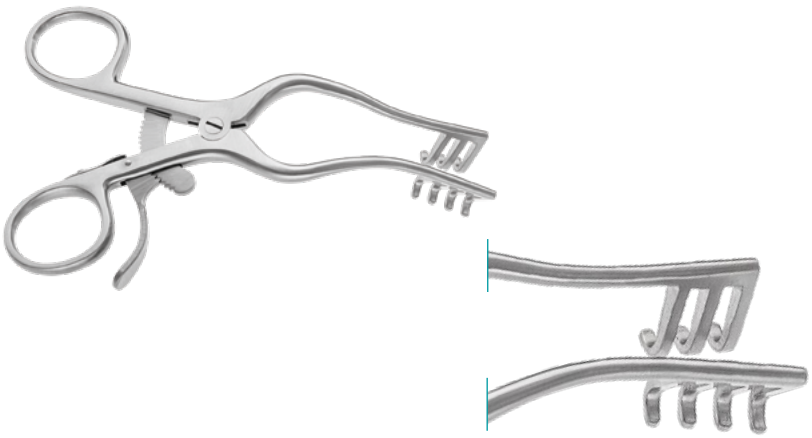
BABY WEITLANER

2x3 teeth, 105mm, 4 1/8″

sharp	170-748-105

115mm, 4 1/2″

blunt	170-749-105
semi-sharp	170-750-105



WULLSTEIN

3x4 teeth, curved arms, 105mm, 4 1/8″

sharp	170-742-105
blunt	170-743-105

130mm, 5 1/8″

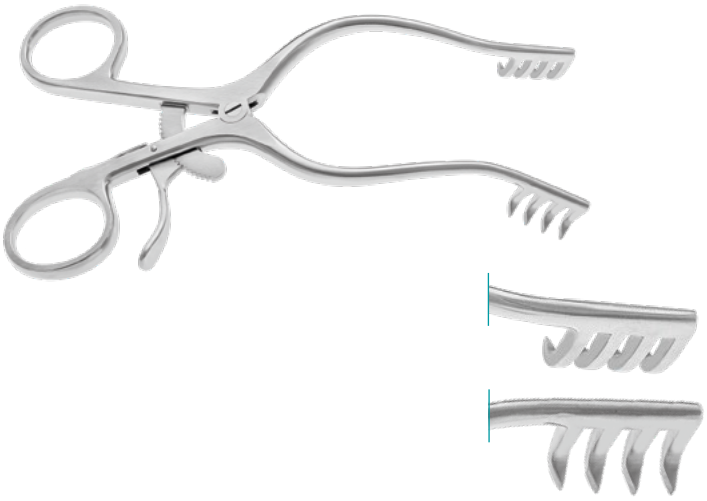
sharp	170-742-130
blunt	170-743-130

150mm, 6″

sharp	170-742-150
blunt	170-743-150

180mm, 7″

sharp	170-742-180
blunt	170-743-180



MOLLISON

4x4 teeth, curved arms, sharp

155mm, 6 1/8″	170-754-155



WEITLANER
3x4 teeth, sharp

130mm, 5 1/8"	170-750-130
165mm, 6 1/2"	170-750-165
200mm, 8"	170-750-200
240mm, 9 1/2"	170-750-240

blunt

130mm, 5 1/8"	170-751-130
165mm, 6 1/2"	170-751-165
200mm, 8"	170-751-200
240mm, 9 1/2"	170-751-240



WEITLANER BECKMANN
3x4 teeth, hinged arms, sharp

140mm, 5 1/2"	170-746-140
160mm, 6 1/4"	170-746-160
200mm, 8"	170-746-200
240mm, 9 1/2"	170-746-240

blunt

140mm, 5 1/2"	170-747-140
160mm, 6 1/4"	170-747-160
200mm, 8"	170-747-200
240mm, 9 1/2"	170-747-240



ADSON
4x4 teeth, straight arms, 200mm, 8"

blunt	170-730-200
sharp	170-731-200



ADSON ANDERSON
4x4 teeth, curved arms, 195mm, 7 3/4"

sharp	170-732-200
blunt	170-733-200



ADSON
3x4 teeth, curved arms

265mm, 10 1/2"	170-730-265



ADSON
3x4 teeth, hinged arms, 200mm, 8"

sharp	170-795-200
blunt	170-794-200
240mm, 9 1/2"	
sharp	170-795-260
blunt	170-794-260

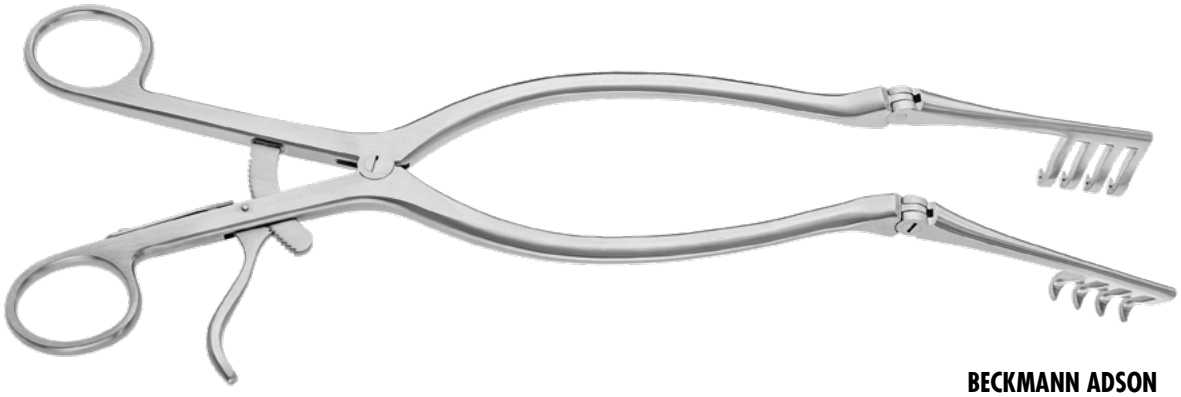


CONE
3x4 teeth, sharp

130mm, 5 1/8"	170-781-130
160mm, 6 1/4"	170-781-160
200mm, 8"	170-781-200
240mm, 9 1/2"	170-781-240

blunt

130mm, 5 1/8"	170-782-130
160mm, 6 1/4"	170-782-160
200mm, 8"	170-782-200
240mm, 9 1/2"	170-782-240



BECKMANN ADSON
4x4 teeth, hinged arms, 310mm, 12 1/4"
short sharp teeth

25x25mm	170-786-001

short blunt teeth

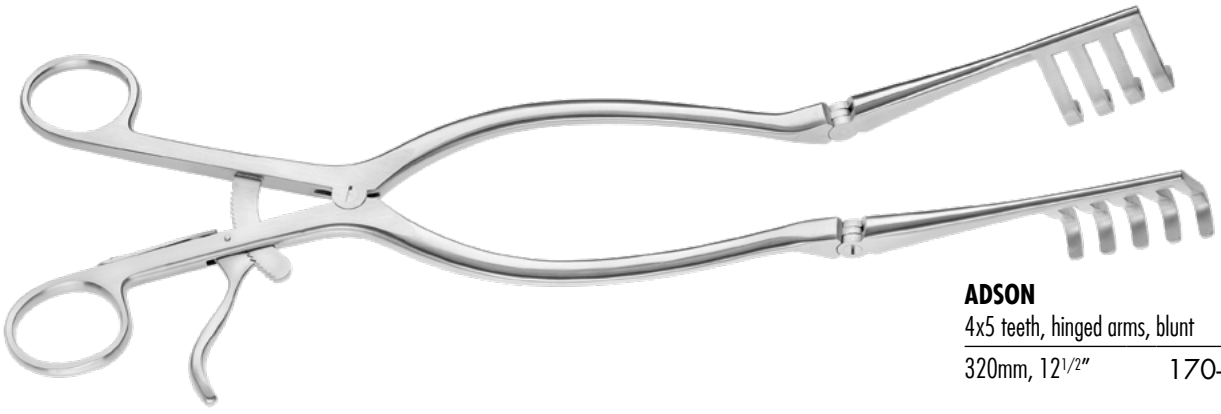
25x25mm	170-786-000

long sharp teeth

25x45mm	170-786-002

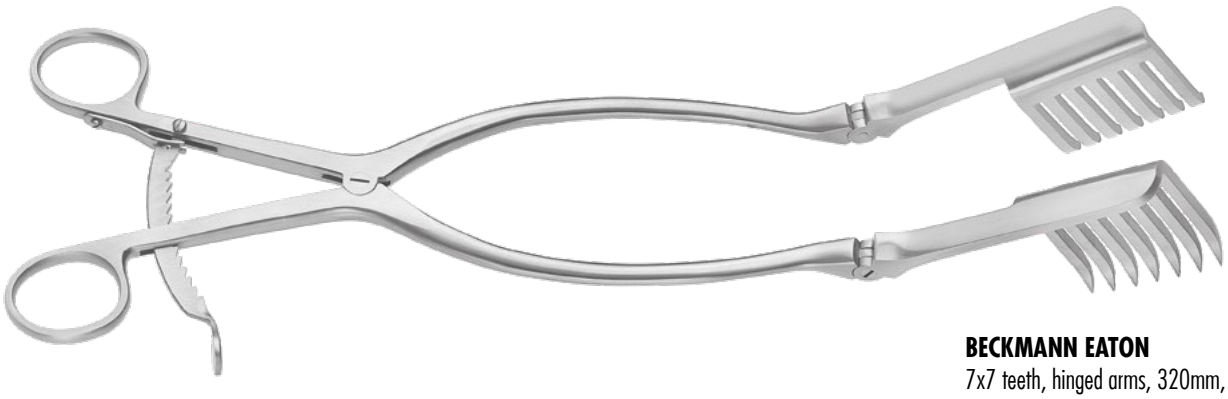
long blunt teeth

25x45mm	170-786-003



ADSON
4x5 teeth, hinged arms, blunt

320mm, 12 1/2"	170-784-320



BECKMANN EATON
7x7 teeth, hinged arms, 320mm, 12 1/2″

sharp	170-788-320
blunt	170-789-320



MISKIMON
Retractor, 7x7 teeth, 220mm, 8 2/3″

sharp	170-738-220
blunt	170-739-220



MEYERDING
Laminectomy Retractor, 200mm, 8"

25x32mm blade	170-791-001
25x54mm blade	170-791-002
19x60mm blade	170-791-003
25x60mm blade	170-791-004

MEYERDING HEMI
Laminectomy Retractor, 180mm, 7"
10mm wide blade, solid blade left

50mm	170-792-001
60mm	170-792-002
70mm	170-792-006

solid blade right

50mm	170-793-001
60mm	170-793-008
70mm	170-793-007



20mm wide blade, solid blade left

50mm	170-792-004
60mm	170-792-003
70mm	170-792-005

solid blade right

50mm	170-793-004
60mm	170-793-005
70mm	170-793-002

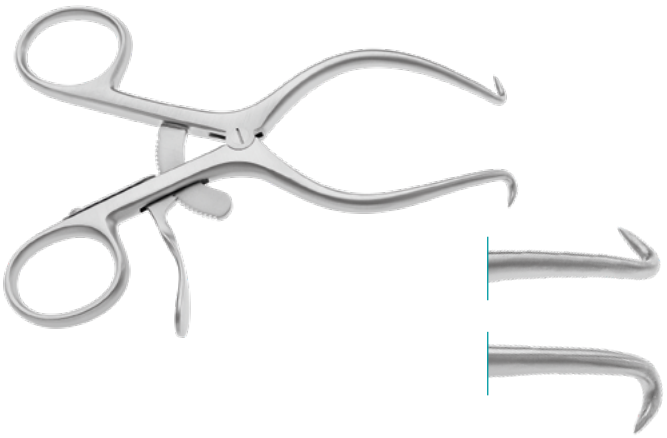


MARKHAM MEYERDING
Laminectomy Retractor, 165mm, 6 1/2"
solid blade right

10x65mm	170-790-006
25x65mm	170-790-007

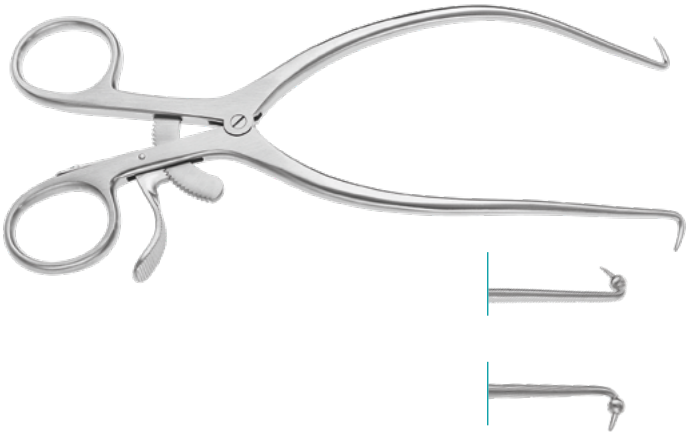
solid blade left

10x65mm	170-790-005
25x65mm	170-790-008



GELPI
Perineal Retractor, pediatric size

90mm, 3 1/2"	170-802-090
110mm, 4 1/3"	170-802-110
135mm, 5 1/3"	170-802-135



GELPI
Perineal Retractor

180mm, 7"	170-802-180

with ball stops

190mm, 7 1/2"	170-803-180



DEBAKEY
sharp

100mm, 4"	170-745-100
170mm, 6 2/3"	170-745-170



JOHNSON
Neuroma Retractor, 90° angled, 7.5mm tip

85mm, 3 1/4"	170-801-085
100mm, 4"	170-801-100



KÖLBL
Skin and Tissue Spreader, blunt tip, straight shaft

1x1 teeth	259-257-016

angled shaft

1x1 teeth	259-257-009
2x2 teeth	259-257-006



KÖLBL
Capsule Retractor, blunt tip, 90° curved

1x1 teeth	259-257-007



BANKHART
Rotator Retractor, 190mm, 7 1/2"

ring left side	210-905-190
ring right side	210-907-190

250mm, 9 7/8"

ring left side	210-905-250
ring right side	210-907-250



KÖLBEL
Retractor, slightly angled

200mm, 8"	259-257-002

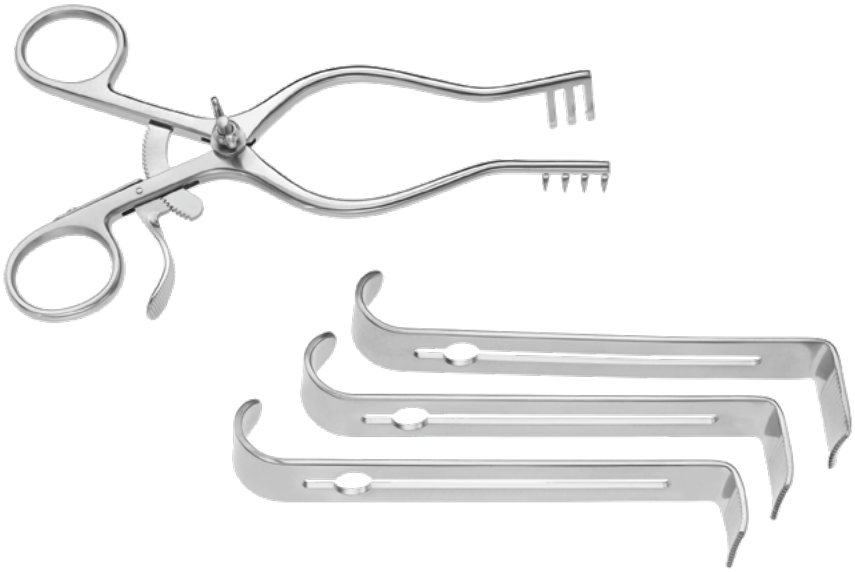
Single Blade

36 x 36mm	259-257-003
53 x 36mm	259-257-004
68 x 36mm	259-257-005
36 x 20mm	259-257-013
53 x 20mm	259-257-014
68 x 20mm	259-257-015



MAYO ADAMS
Retractor Set, removable center blade, 170mm, $6^{2/3}$"

complete set	170-815-170
spreader only	170-815-000
center blade only	170-815-100



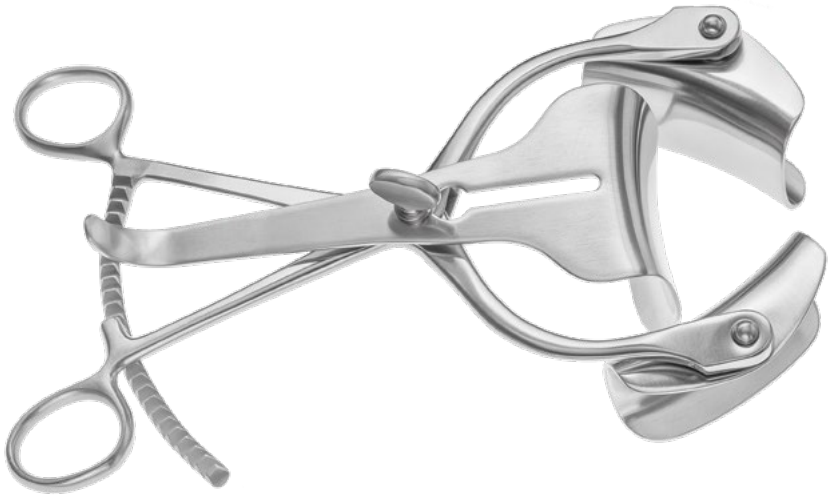
HENLEY
Retractor Set, removable center blade, 160mm, $6^{1/4}$", sharp/sharp

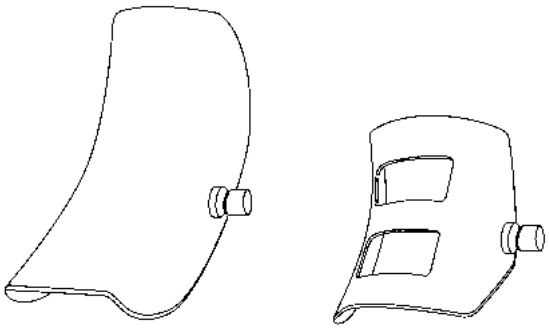
complete set	170-769-160
blunt/blunt	
complete set	170-770-160
Blades	
19x16mm	170-771-001
25x16mm	170-771-002
32x16mm	170-771-003



COLLIN BABY
Abdominal Retractor with 2 pairs of valves 30 x 44mm and 23 x 44mm

180mm, 7"	170-819-000





A B

COLLIN
Abdominal Retractor,
120mm, 4 3/4" spreading, complete with lateral and centre blades

lateral: 38 x 62mm centre: 55 x 55mm	170-823-000
lateral: 40 x 80mm centre: 55 x 65mm	170-824-000
lateral: 60 x 80mm centre: 60 x 75mm	170-825-000

without centre blade

lateral: 38 x 62mm	170-821-000

A Blade, ball snap closure

40 x 80mm	170-839-040

B Blade, ball snap closure

60 x 80mm	170-834-060



RICHARD
Abdominal Retractor,
280mm, 11" spreading, complete with lateral and centre blades

lateral: 72 x 85mm centre: 80 x 90mm	170-827-000

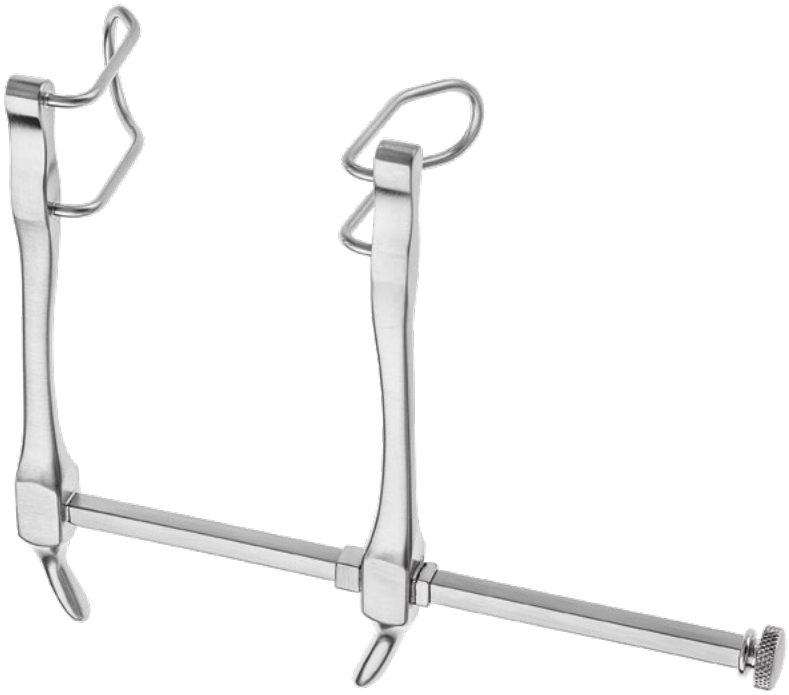
300mm, 11 7/8" spreading

lateral: 60 x 80mm centre: 55 x 70mm	170-829-000



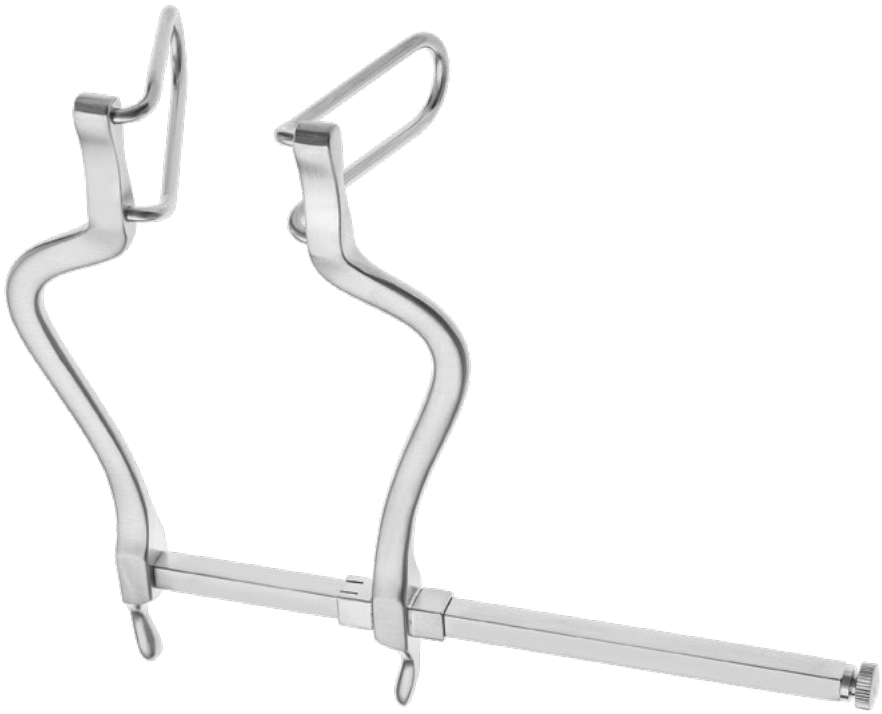
GOSSET
Abdominal Retractor
100mm wide, 26 x 39mm blades

170-818-100



GOSSET
Abdominal Retractor
120mm wide, 30 x 40mm blades

170-818-120



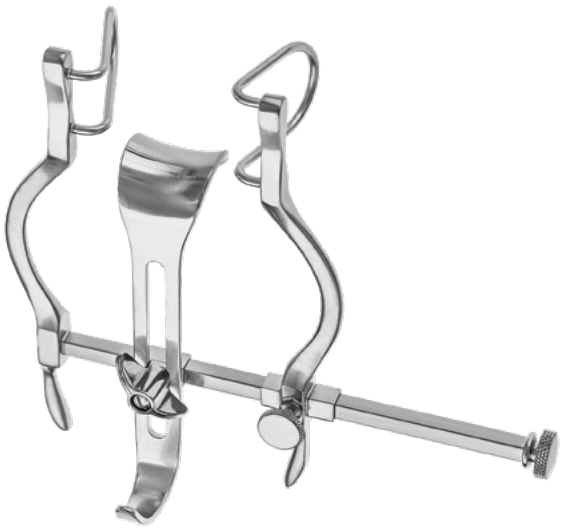
GOSSET
Abdominal Retractor
140mm wide, 26 x 64mm blades

170-818-140



GOSSET
Abdominal Retractor
160mm wide, 56 x 60mm blades

170-818-160



BALFOUR BABY
Abdominal Retractor
95mm wide, 2 lateral blades: 38mm
center blade: 23 x 25mm

170-766-090



BALFOUR
Abdominal Retractor, 180mm spread width,
lateral wire blades: 50mm

75 x 50mm	170-852-050

lateral blades: 63mm

75 x 50mm	170-852-000

lateral blades: 100mm

85 x 70mm	170-852-100

BALFOUR
Abdominal Retractor, 180mm spread width,
lateral solid blades: 50mm

75 x 50mm	170-854-000

lateral blades: 70mm

75 x 50mm	170-854-070



BALFOUR
Abdominal Retractor, 250mm spread width,
lateral wire blades: 50mm

75 x 50mm	170-840-050

lateral blades: 63mm

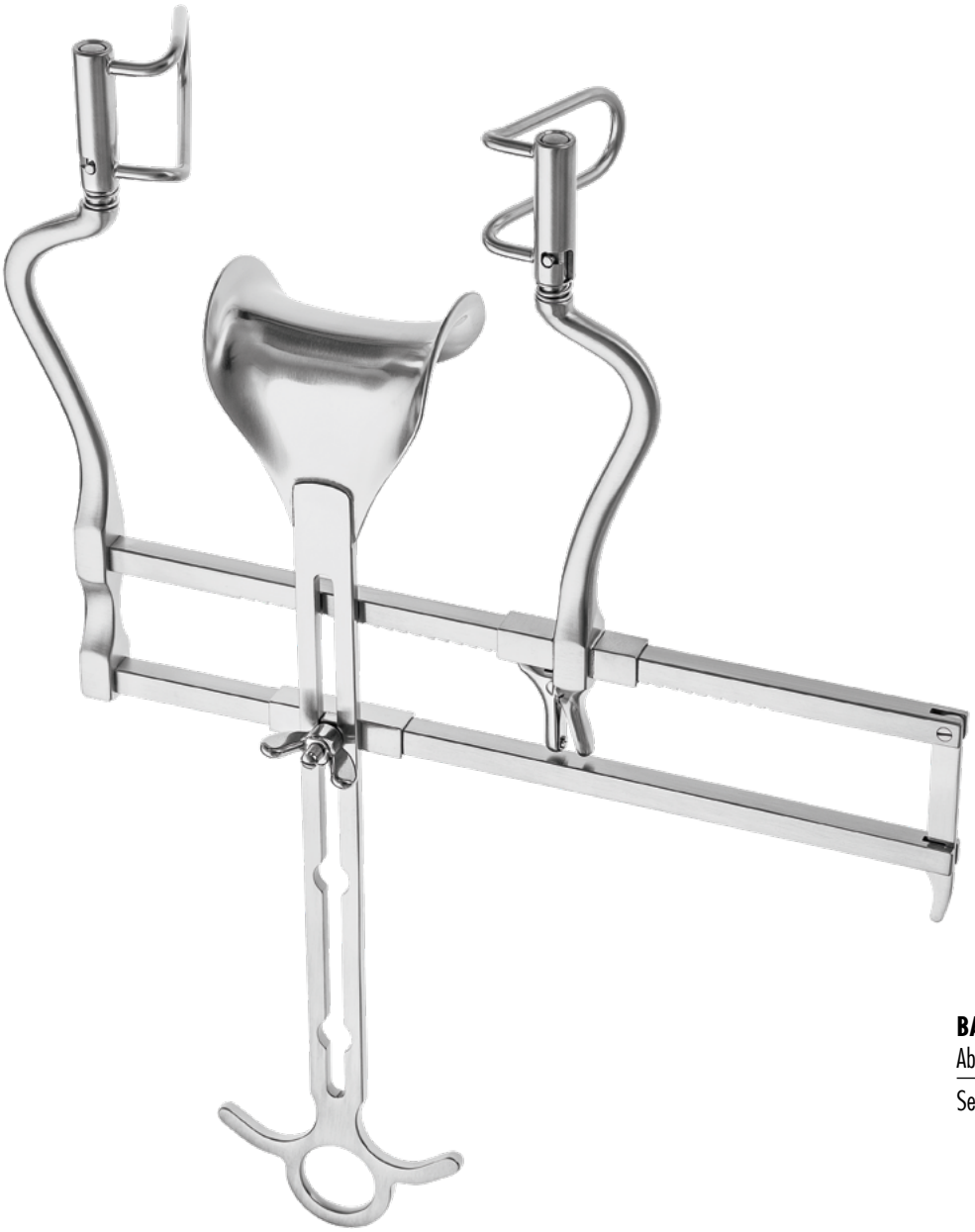
75 x 50mm	170-840-063

lateral blades: 100mm

85 x 70mm	170-840-000

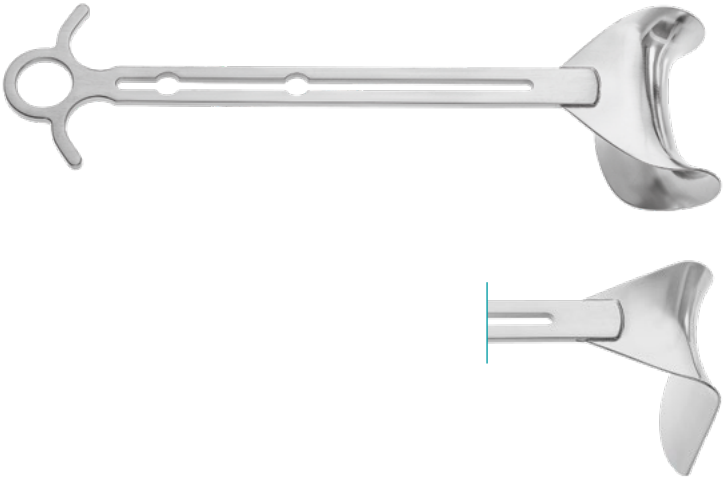
lateral blades: 100mm

60 x 100mm	170-840-100



BALFOUR US
Abdominal Retractor Set, 180mm spread width

Set	170-860-180



BALFOUR US

Centre Blades, round (W x D)	
68 x 40mm	170-863-001
75 x 50mm	170-863-002
85 x 70mm	170-863-003
93 x 44mm	170-863-004
angular	
60 x 100mm	170-863-005
70 x 100mm	170-863-006



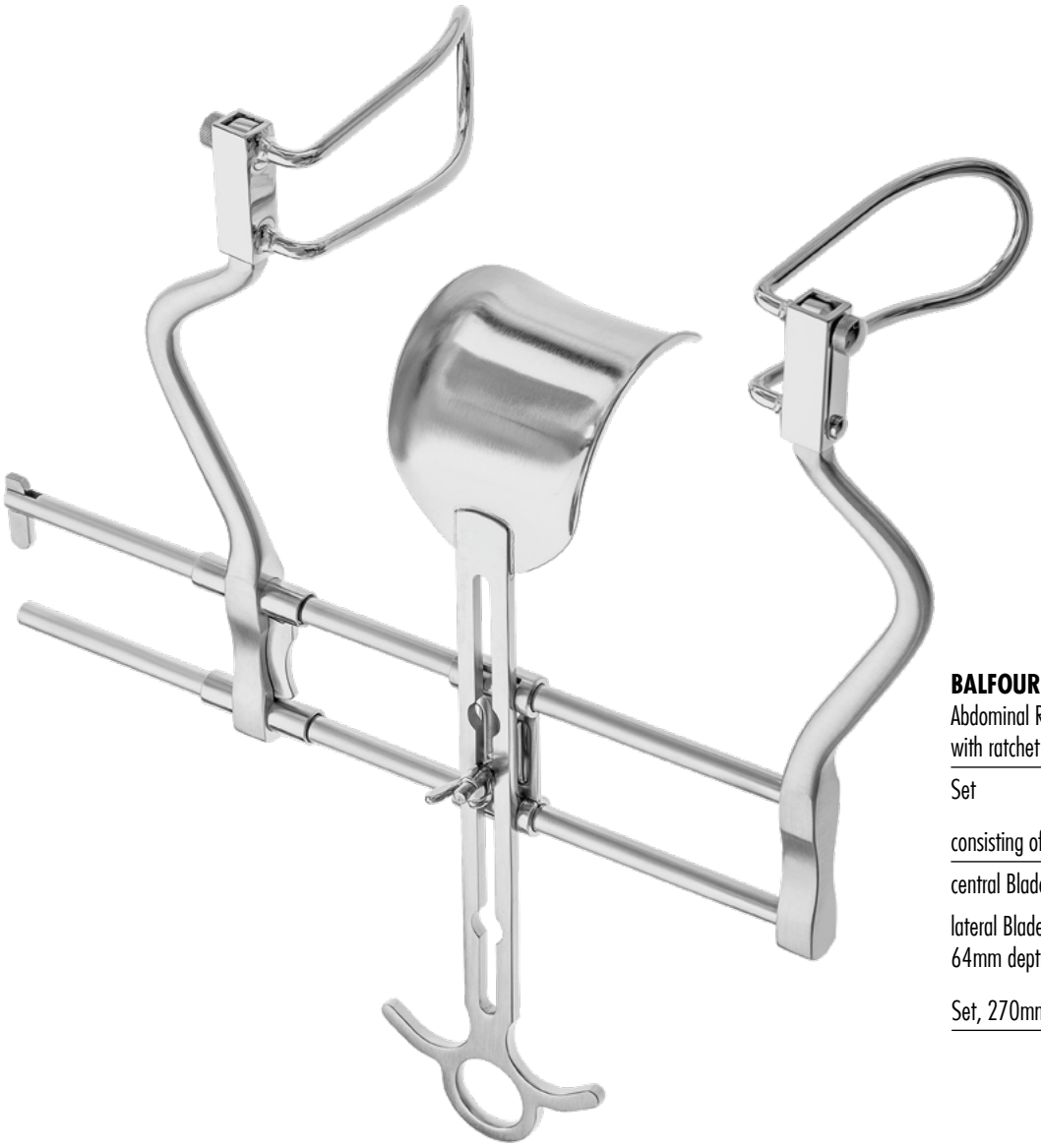
Lateral Blades Pair	
50mm depth	170-860-030
70mm depth	170-860-035
100mm depth	170-860-045





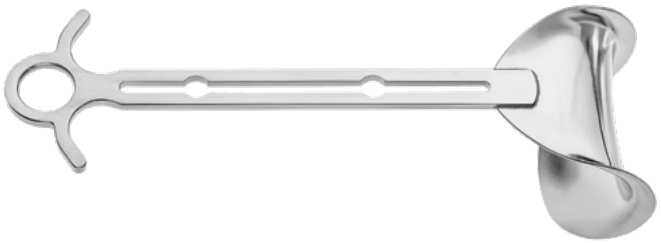
BALFOUR HORGAN

Central Blade, malleable	
50 x 198mm	170-863-007
50 x 127mm	170-863-008



BALFOUR
Abdominal Retractor Set, 200mm spread width, with ratchet bar positioning system

Set	170-865-200
consisting of:	
central Blade	170-865-001
lateral Blade, 64mm depth	170-865-008
Set, 270mm spread width	170-865-270



BALFOUR RSC
Central Blade

64 x 64mm	170-865-001
85 x 70mm	170-865-002
93 x 44mm	170-865-003
64 x 44mm	170-865-004



BALFOUR RSC
Central Blade, malleable

51 x 198mm	170-865-005
51 x 171mm	170-865-006
57 x 267mm	170-865-007



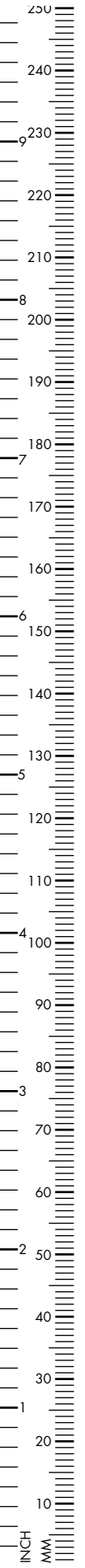
BALFOUR RSC
Lateral Blade, fenestrated

64mm	170-865-008
89mm	170-865-009
100mm	170-865-010



BALFOUR
Lateral Blade, closed

64mm	170-865-011
89mm	170-865-012
100mm	170-865-013





BALFOUR EXTENSION ARM

Side Arm

left	170-861-101
right	170-861-100



O'SULLIVAN O'CONNOR
Abdominal Retractor Set with blades
1x 70 x 110mm, 2x 80 x 45mm

170-868-000

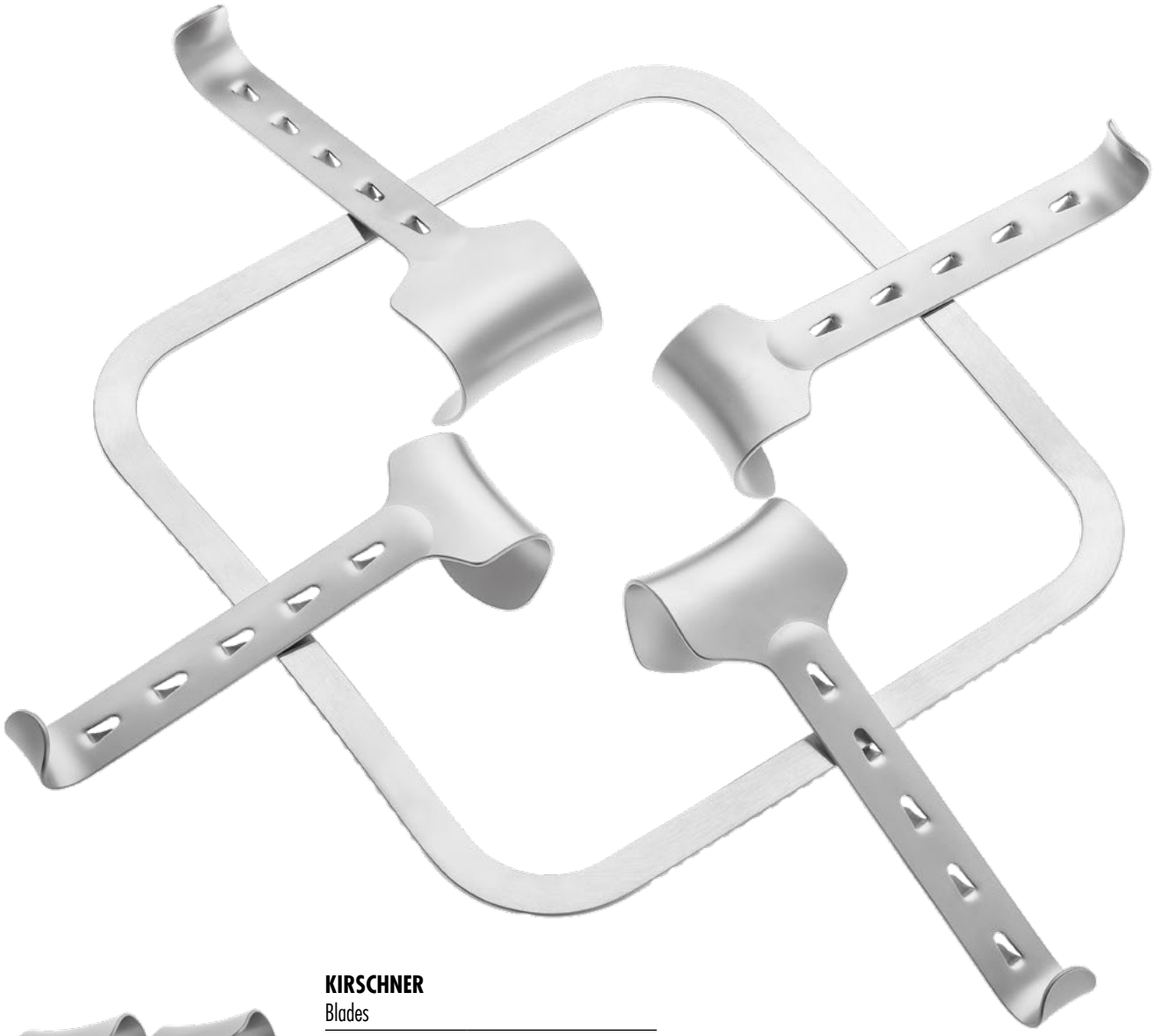
Blades	
80 x 45mm	170-868-001
70 x 110mm	170-868-002



O'SULLIVAN O'CONNOR
Vaginal Retractor Set with blades
1x 44 x 89mm, 1x 38 x 89mm,
1x 13 x 47mm

170-868-100

Blades	
44 x 89mm	170-868-101
38 x 89mm	170-868-102
13 x 47mm	170-868-103





KIRSCHNER

Blades

55 x 40mm	170-889-040
65 x 50mm	170-889-050
85 x 60mm	170-889-060
65 x 78mm	170-889-075
90 x 80mm	170-889-086

Retractor Hook-on

78 x 65mm	170-889-078
80 x 90mm	170-889-080
98 x 50mm	170-889-098
105 x 35mm	170-889-099

Frame

240 x 240mm	170-884-024

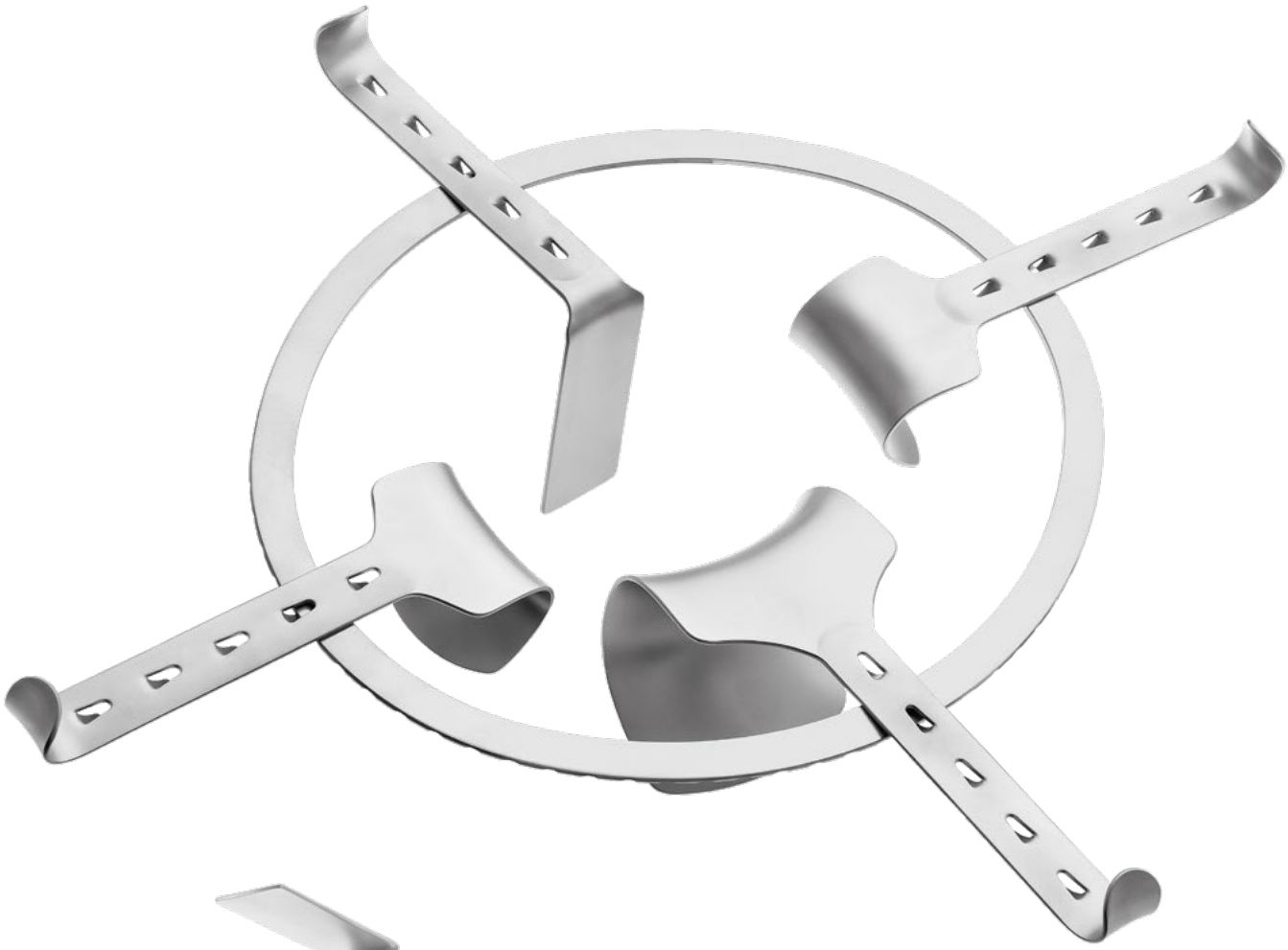
KIRSCHNER

Abdominal Retractor Set, square
consists of:
Frame 240 x 240 mm,
2 blades 50 x 65mm
2 blades 65 x 50mm

170-884-000

Frame 270 x 270 mm,
2 blades 55 x 40mm
2 blades 65 x 50mm

170-886-000





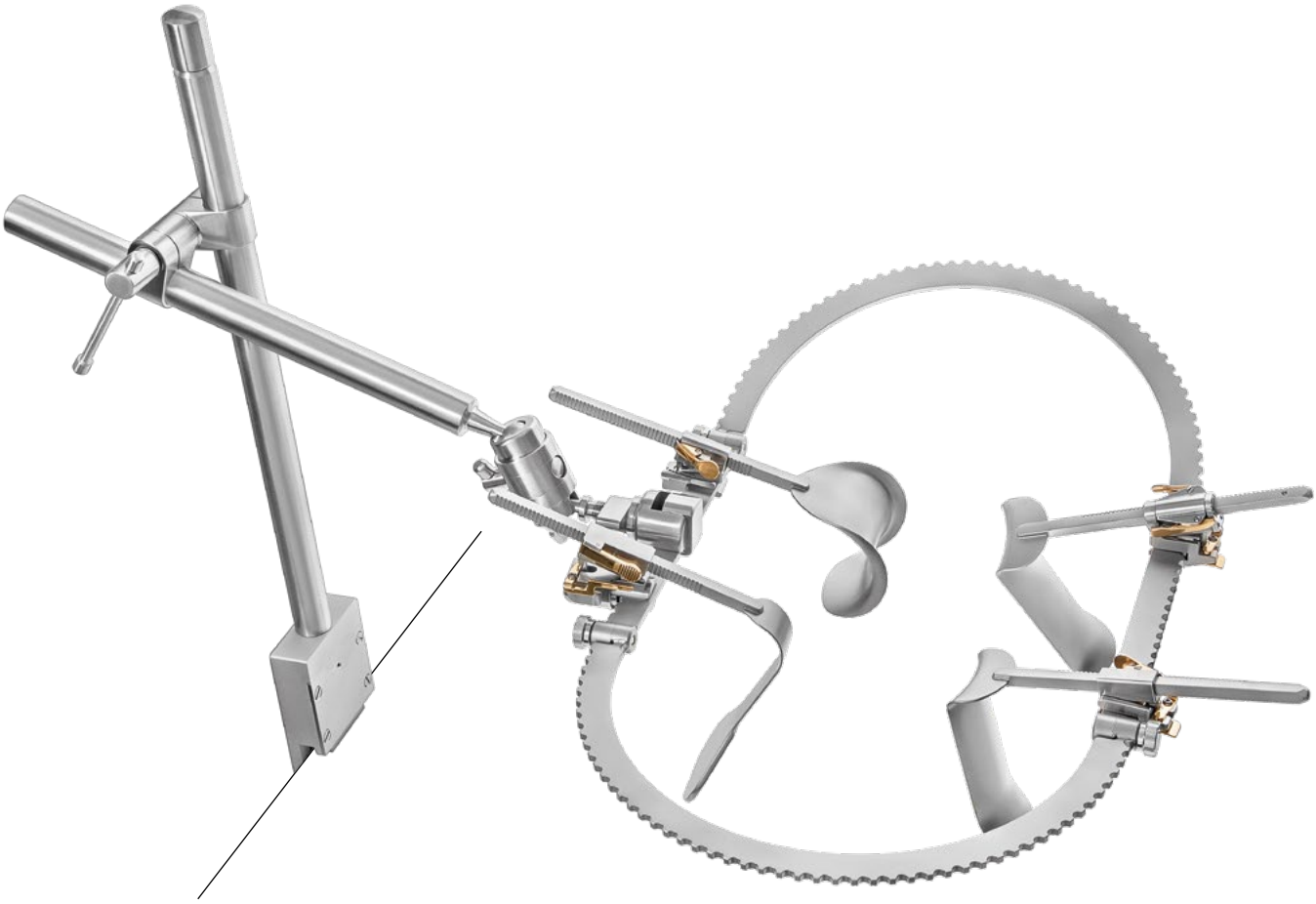
KIRSCHNER

Blade	
35 x 105mm	170-889-099
Frame	
240 x 300mm	170-884-100

KIRSCHNER
Abdominal Retractor Set, oval
Consists of:
Frame 240 x 300 mm,
1 blade 90 x 80 mm
1 blade 50 x 98mm
1 blade 35 x 105mm

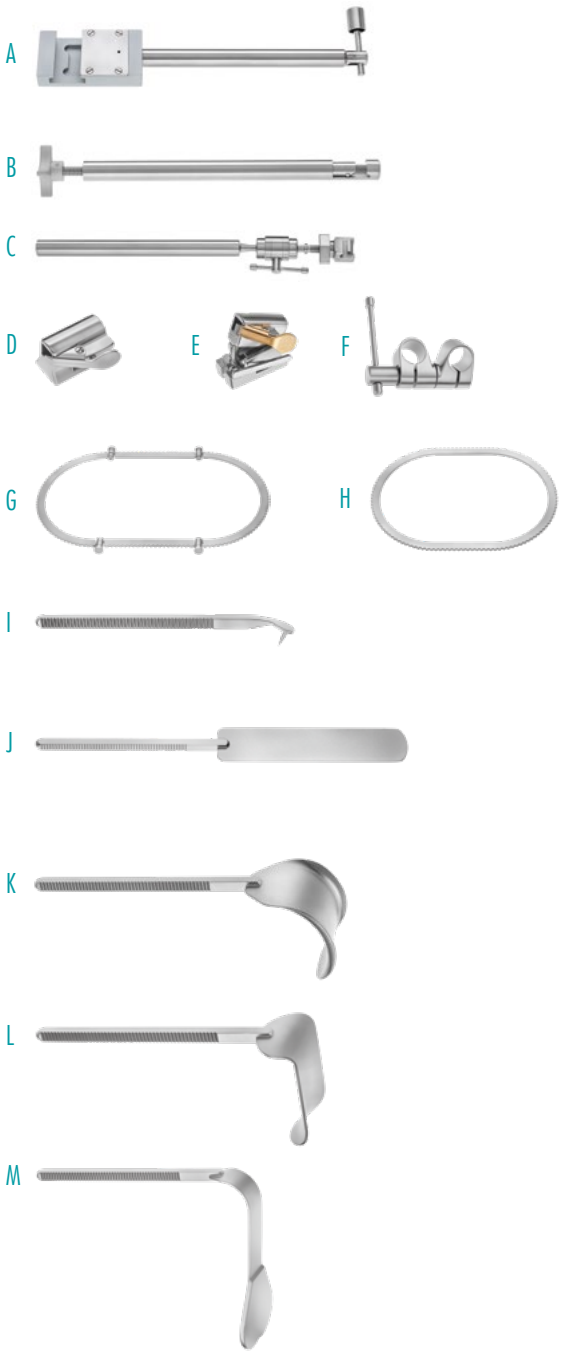
170-882-000

GENUINE RING RETRACTOR SETS



The genuine and established RZ Table Mounted Ring Retractor System provides a large variety of configurations. Every kit can be easily set up and adjusted multi-directional even for complex requirements thanks to the flexible ratchet mechanisms.
Any retractor can be applied as an individual set.

- Large assortment of retractor blades in different sizes
- Expandable basic components to assemble a complex system
- Simple assembly and modifications before and during surgery
- All parts fully autoclavable

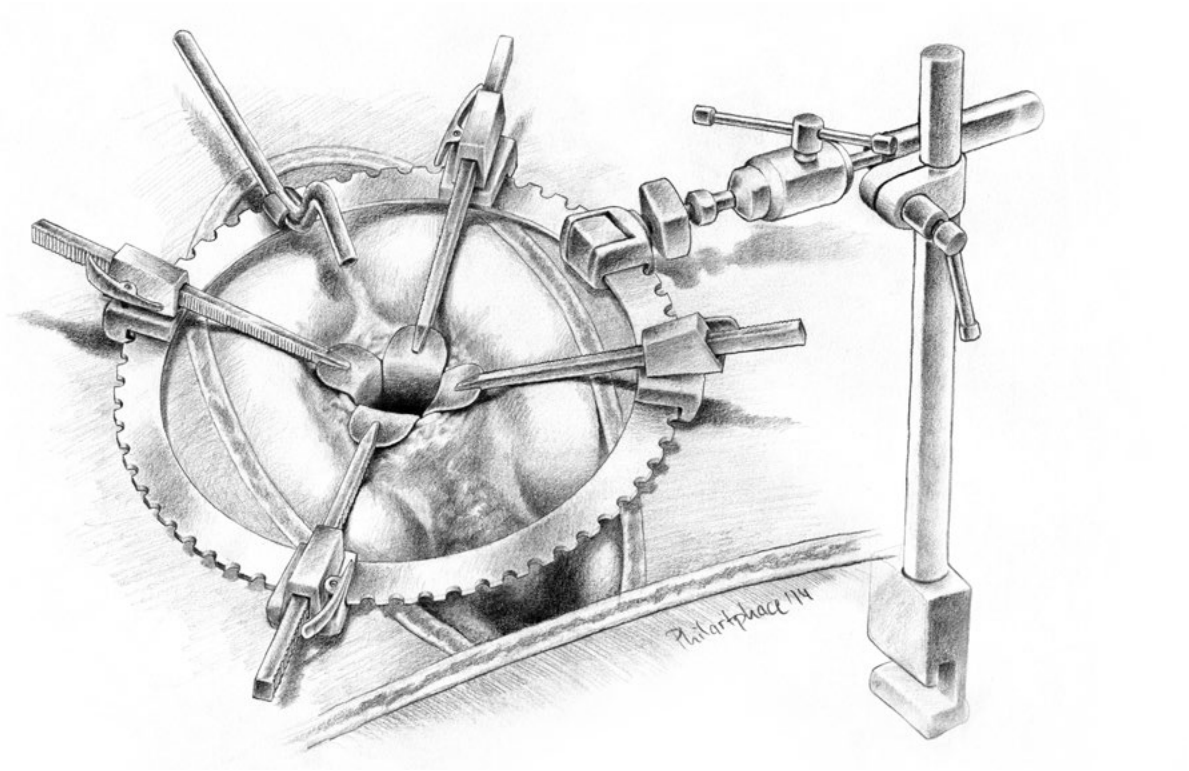


RETRACTOR KIT

12″	170-800-904
18″	170-800-900
24″	170-800-902

RETRACTOR KITS
consisting of:

A	Table Post, 300mm, 11 7/8″	170-800-100
	Table Post, 460mm, 18″	170-800-099
	Table Post, 610mm, 24″	170-800-098
B	Horizontal Bar	170-800-102
C	Horizontal Flex Bar	170-800-103
D	Standard Ratchet (2x)	170-800-113
E	Tilt Ratchet Mechanism (6x)	170-800-110
F	Post Coupler	170-800-104
G	Oval Frame, medium, segmented 538 x 300mm, 21x11 7/8″″	170-800-032
H	Oval Frame, medium 410 x 294mm, 16 x 11 1/2″	170-800-012
I	Gelpi Point Retractor	170-800-241
J	Retractor Blade, malleable	
	38 x 152mm, 1 1/2 x 6″	170-800-231
	51 x 152mm, 2x6″ (2x)	170-800-232
	76 x 152mm, 3x6″	170-800-233
K	**BALFOUR**	
	75 x 75mm, 3x3″	170-800-202
L	**KELLY**	
	51 x 76mm, 2x3″ (2x)	170-800-214
	51 x 102mm, 2x4″	170-800-215
	51 x 127mm, 2x5″	170-800-216
	51 x 152mm, 2x6″	170-800-217
M	**HARRINGTON**	
	Heart-shaped, 64 x 143mm, 2 1/2 x 5 5/8″	170-800-221

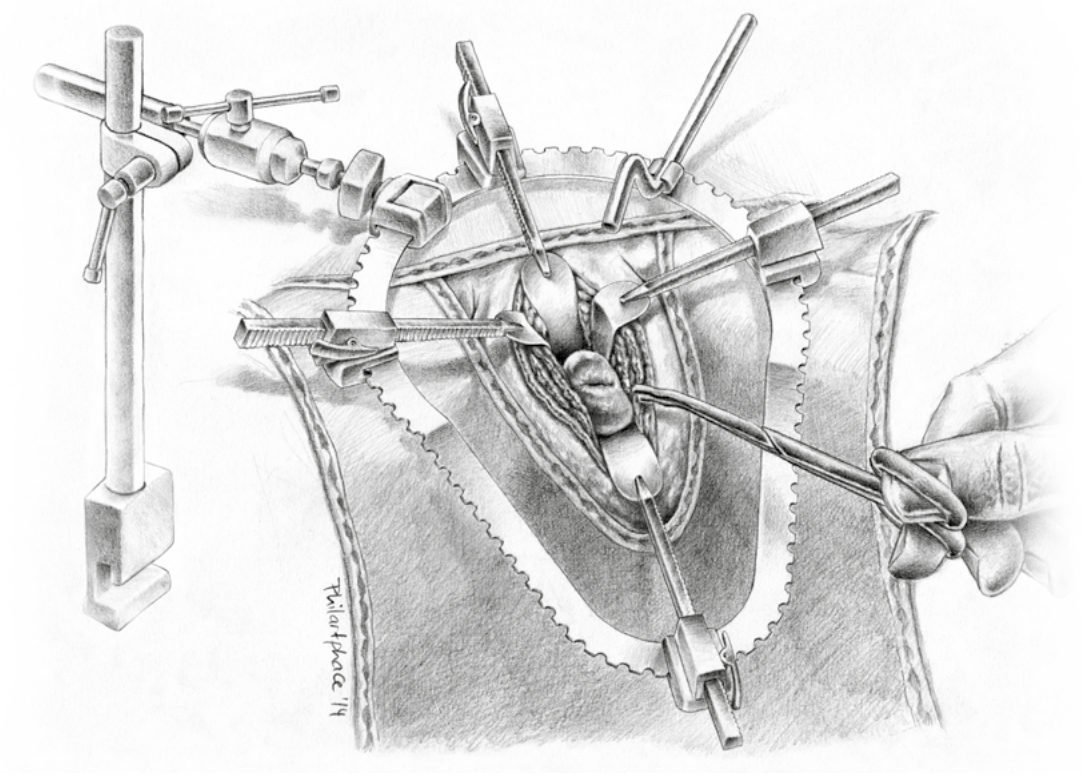






RECTAL SET
170-800-906
consits of:

Round Frame, small	170-800-021
Rectal Blade, small 22 x 72mm (2x)	170-800-311
large 23 x 98mm (2x)	170-800-312











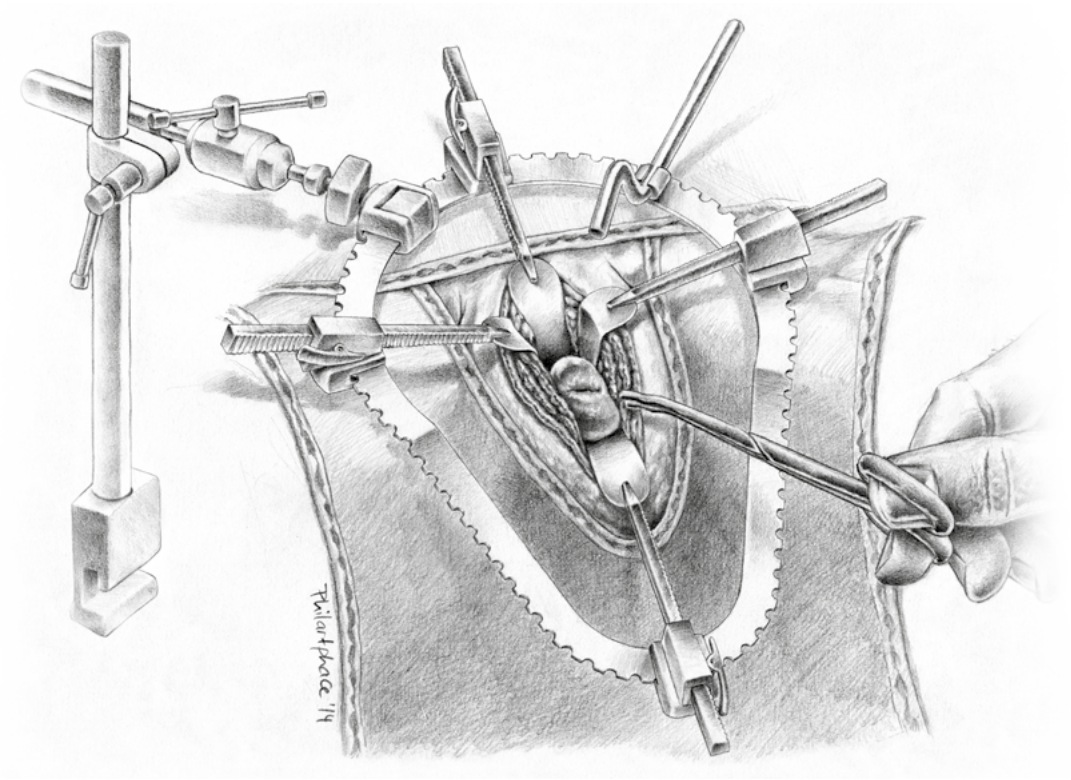






VAGINAL RETRACTOR KIT (STANDARD SETUP)
170-800-909
consists of:

Table Post, 300mm, 11 7/8"	170-800-100
Horizontal Flex Bar	170-800-103
Tilt Ratchet Mechanism (6x)	170-800-110
Post Coupler	170-800-104
Vaginal Frame, oval, 20° angled 203 x 267mm, 8 x 10 1/2"	170-800-051
DEAVER small	170-800-261
large	170-800-262
Vaginal Retractor 25 x 76mm, 1 x 3" (2x)	170-800-271
25 x 114mm, 1 x 4 1/2"	170-800-272







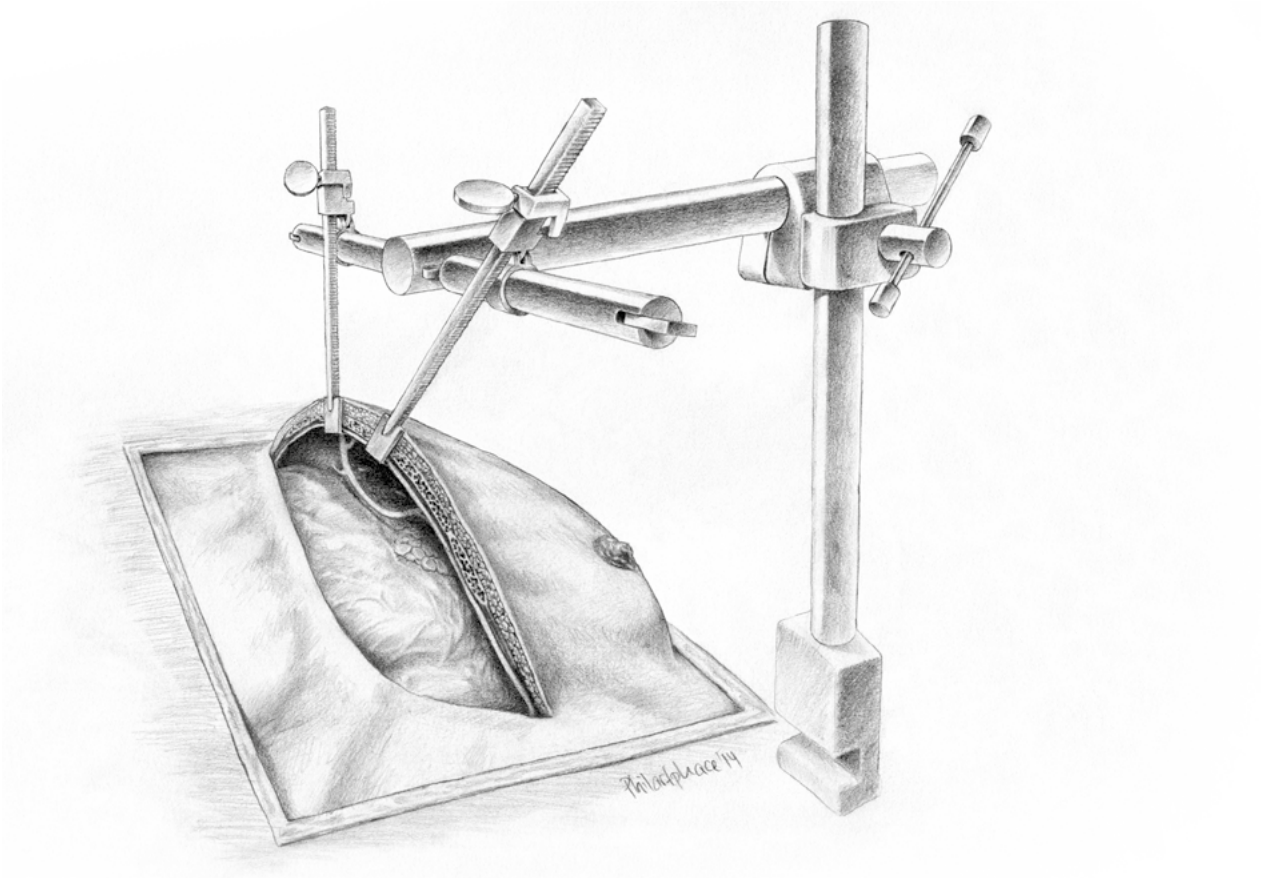






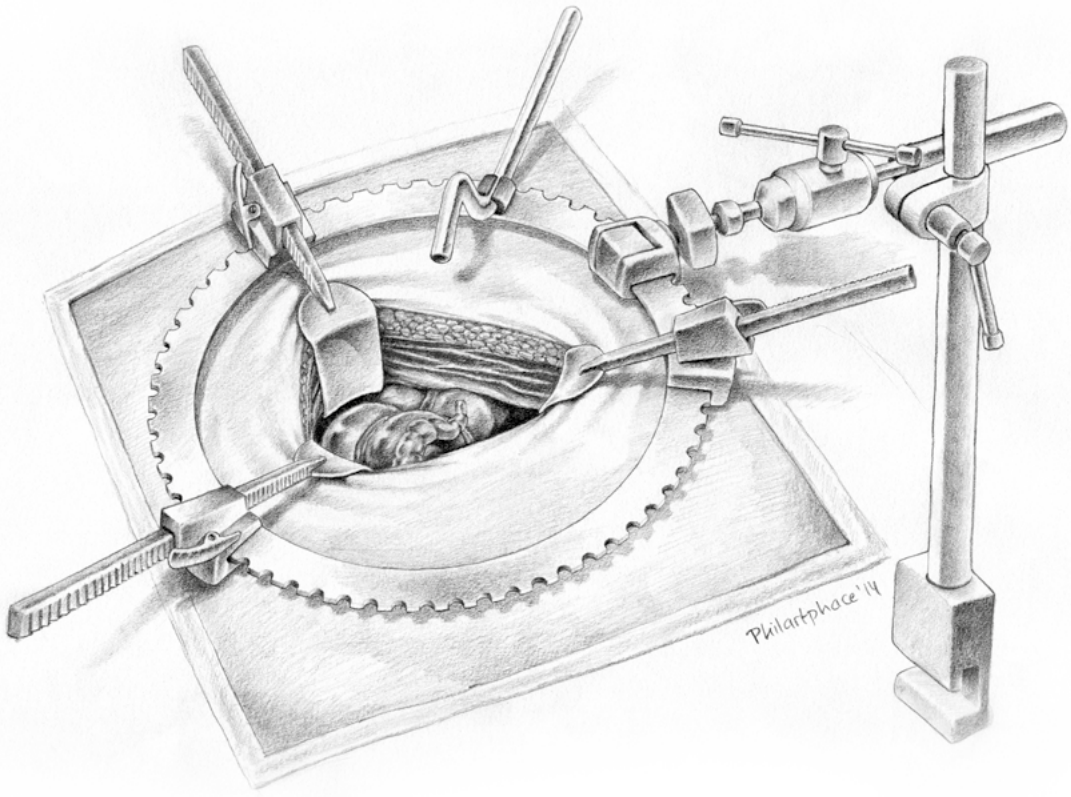
VAGINAL RETRACTOR KIT (ALTERNATIVE SETUP)
170-800-910
consists of:

Table Post, 200mm, 8"	170-800-097
Rotate and Tilt Ratchet Mechanism (6x)	170-800-112
Vaginal Frame, oval, segmented 305 x 241mm, 12 x 9 1/2"	170-800-050
Retractor Blade, malleable 25 x 102mm, 1 x 4"	170-800-237
Vaginal Retractor 25 x 76mm, 1 x 3" (2x)	170-800-271



IMA RETRACTOR KIT
170-800-905
consists of:

 Table Post, 300mm, 11 7/8"	170-800-100
 Horizontal Bar	170-800-102
 Cross Bar	170-798-046
 Post Coupler	170-800-104
 Ratchet Mechanism	170-798-047
 Retractor Blade	170-798-048







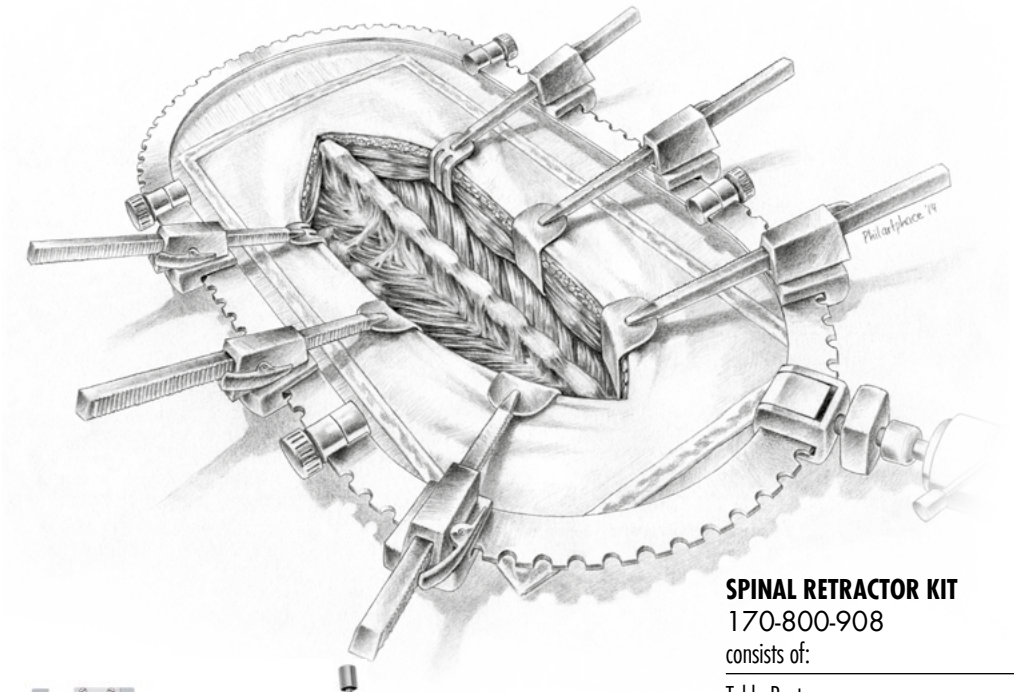


SMALL INCISION KIT
170-800-907
consists of:

Round Frame, small ∅ 248mm, 9 3/4"	170-800-021
Gelpi Point Retractor	170-800-241

KELLY

25 x 38mm, 1 x 1 1/2"	170-800-208
25 x 63mm, 1 x 2 1/2"	170-800-209























SPINAL RETRACTOR KIT
170-800-908
consists of:

Table Post, 300mm, 11 7/8"	170-800-100
Horizontal Flex Bar	170-800-103
Self-Retaining Tilt Ratchet (6x)	170-800-111
Tilt Ratchet Mechanism (6x)	170-800-110
Post Coupler	170-800-104
Round Ring Segment, small, 2 pieces ∅ 254mm, 10"	170-800-041
Ring Segment, small, 100mm, 4" (2x)	170-800-061
Ring Segment, medium, 150mm, 6" (2x)	170-800-062
Ring Segment, large, 200mm, 8" (2x)	170-800-063
SCOVILLE	
small, 25 x 40mm (2x)	170-800-321
large, 25 x 80mm	170-800-322
MEYERDING	
small, 60 x 17mm (2x)	170-800-331
medium, 85 x 25mm (2x)	170-800-332
large, 95 x 50mm (2x)	170-800-333
MEYERDING	
3 prongs (2x)	170-800-343
4 prongs	170-800-344
6 prongs	170-800-345

GENUINE RING RETRACTOR SETS

RETRACTOR KITS
Single Parts

A	Table Post, 300mm, 11 7/8″	170-800-100
	Table Post, 460mm, 18″	170-800-099
	Table Post, 610mm, 24″	170-800-098
B	Horizontal Bar	170-800-102
C	Horizontal Flex Bar	170-800-103
D	Cross Bar	170-798-046
E	Standard Ratchet	170-800-113
F	Tilt Ratchet Mechanism	170-800-110
G	Self-Retaining Tilt Ratchet	170-800-111
H	Rotate and Tilt Ratchet Mechanism	170-800-112
I	Ratchet Mechanism	170-798-047
J	Post Coupler	170-800-104
K	Round Frame, small ∅ 248mm, 9 3/4″	170-800-021
L	Oval Frame, medium, 410 x 294mm, 16 x 11 1/2″	170-800-012
M	Oval Frame, medium, segmented 538 x 300mm, 21 x 11 7/8″	170-800-032
N	Vaginal Frame, oval, 20° angled 203 x 267mm, 8 x 10 1/2″	170-800-051
O	Vaginal Frame, segmented 305 x 241mm, 12 x 9 1/2″	170-800-050
P	Round Ring Segment, small, 2 pieces ∅ 254mm, 10″	170-800-041
Q	Ring Segment, small, 100mm, 4″	170-800-061
	Ring Segment, medium, 150mm, 6″	170-800-062
	Ring Segment, large, 200mm, 8″	170-800-063

A 

B 

C 

D 

E 

F 

G 

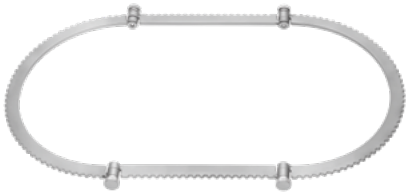
H 

I 

J 

K 

L 

M 

N 

O 

P 

Q 

RETRACTOR KITS
Single Parts

A	Gelpi Point Retractor	170-800-241
B	Retractor Blade, malleable	
	38 x 152mm	170-800-231
	51 x 152mm	170-800-232
	76 x 152mm	170-800-233
	76 x 254mm	170-800-234
	102 x 215mm	170-800-235
	51 x 254mm	170-800-236
	Retractor Blade, malleable, with lib	
	25 x 102mm	170-800-237
	38 x 168mm	170-800-238
	51 x 168mm	170-800-239
	75 x 168mm	170-800-240
	Retractor Blade, extra malleable, with lib, 25 x 102mm	170-800-247
	38 x 168mm	170-800-248
	51 x 168mm	170-800-249
	75 x 168mm	170-800-250
C	Retractor Blade, malleable, titanium coated, with lib, 38 x 279mm	170-800-229
	51 x 279mm	170-800-230
	76 x 279mm	170-800-227
	102 x 279mm	170-800-228
D	**SCOVILLE**	
	Hook, small	170-800-321
	Hook, large	170-800-322
E	**MEYERDING**	
	3 prongs	170-800-343
	4 prongs	170-800-344
	6 prongs	170-800-345
F	Retractor Blade	170-798-048
G	**MEYERDING**	
	small	170-800-331
	medium	170-800-332
	large	170-800-333
H	**BALFOUR**	
	75 x 75mm	170-800-202
	89 x 70mm	170-800-201
I	**KELLY**	170-800-208
	25x 38	
	25 x 63mm	170-800-209
	51 x 76mm	170-800-214
	51 x 102mm	170-800-215
	51 x 127mm	170-800-216
	51 x 152mm	170-800-217
	51 x 200mm	170-800-218
J	**HARRINGTON**	
	64 x 143mm	170-800-221
	90 x 251mm	170-800-222
K	**DEAVER**	
	small	170-800-261
	large	170-800-262
L	Vaginal Retractor	
	25 x 76mm	170-800-271
	25 x114mm	170-800-272
M	Titanium Retractor Blade	170-800-360
	25x 102mm	
	25 x 127mm	170-800-361
	25 x 152mm	170-800-362
	25 x 178mm	170-800-363
	25 x 203mm	170-800-364
	51 x 102mm	170-800-365
	51 x 127mm	170-800-366
	51 x 152mm	170-800-367
	51 x 178mm	170-800-368
	51 x 203mm	170-800-369
N	Malleable Blade with groove	170-800-242
	51 x 152mm	

A 

B 

C 

D 

E 

F 

G 

H 

I 

J 

K 

L 

M 

N 



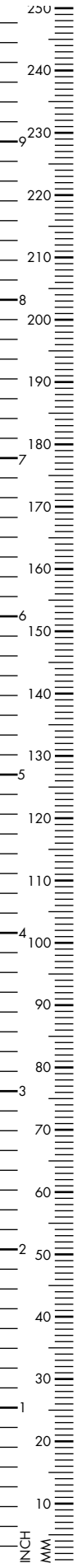
SET
Blades, Accessories, Case

		170–800-912
Standard Ratchet Mechanism	2x	170-800-113
Tilt Ratchet Mechanism	6x	170-800-110
Post Coupler	1x	170-800-104
Harrington Retractor	1x	170-800-221
Kelly Retractor, 76mm	1x	170-800-214
Kelly Retractor, 102mm	1x	170-800-215
Kelly Retractor, 127mm	1x	170-800-216
Kelly Retractor, 152mm	1x	170-800-217
Balfour Retractor	1x	170-800-202
Gelpi Point Retractor	1x	170-800-241
Blade, malleable, 38mm	1x	170-800-231
Blade, malleable, 51mm	1x	170-800-232
Blade, malleable, 76mm	1x	170-800-233
Case, 527 x 250 x 100mm	1x	170-800-915



SET
Table Fixation and Ring Case

		170–800-913
Table Post	1x	170-800-100
Horizontal Flex Bar	1x	170-800-103
Horizontal Bar	1x	170-800-102
Oval Frame, medium, segmented	1x	170-800-032
Oval Frame, medium	1x	170-800-012
Case, 537 x 250 x 197mm	1x	170-800-914


250
240
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10
9
8
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6
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4
3
2
1
INCH
MM

SUCTION TUBES



Suction Tubes

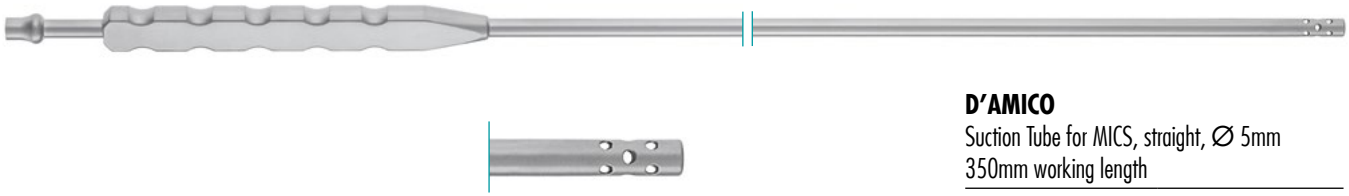


POOLE
Suction Tube, straight, 220mm, $8^{2/3}$"

∅ 6mm	165-549-220
∅ 10mm	165-550-220

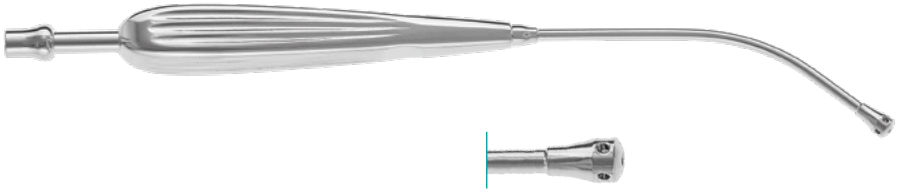
curved

∅ 6mm	165-552-220
∅ 10mm	165-551-220



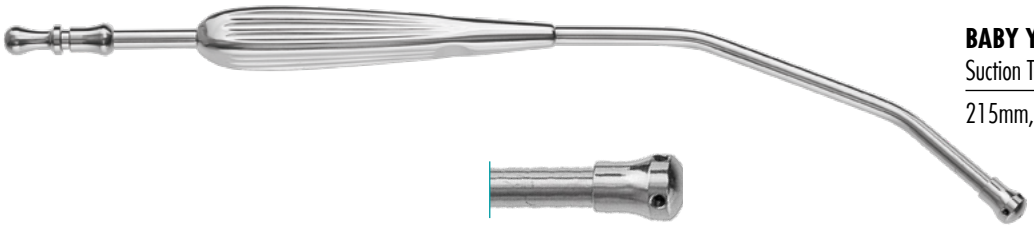
D'AMICO
Suction Tube for MICS, straight, ∅ 5mm
350mm working length

475mm, $18^{3/4}$"	295-165-475



ANDREWS PYNCHON
Suction Tube, curved, ∅ 6mm

235mm, $9^{1/4}$"	165-066-000

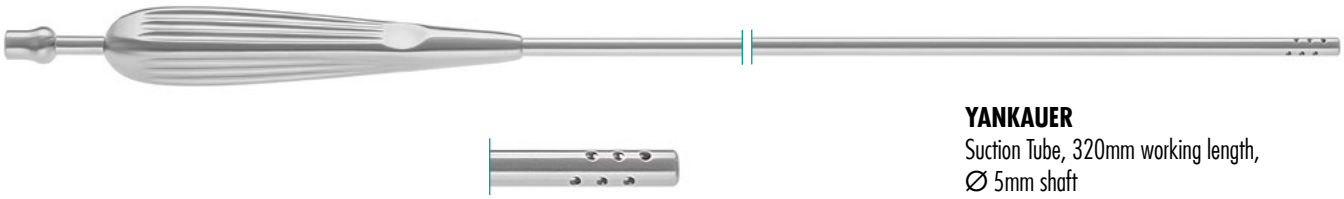


BABY YANKAUER
Suction Tube

215mm, 8 1/2"	165-543-215

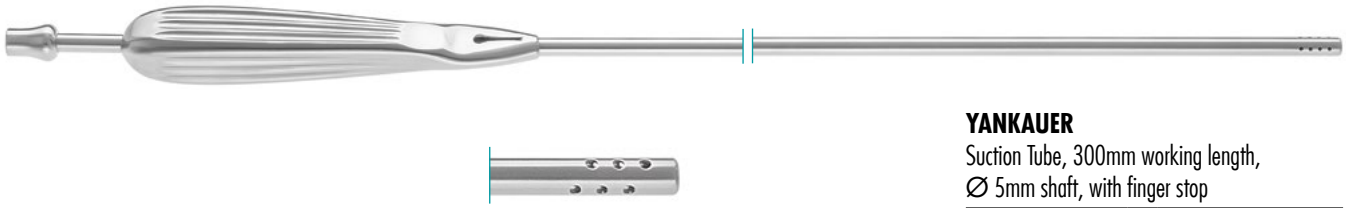
YANKAUER
Suction Tube

270mm, 10 7/8"	165-543-270
355mm, 14"	165-543-355
410mm, 16"	165-543-410



YANKAUER
Suction Tube, 320mm working length,
∅ 5mm shaft

450mm, 17 3/4"	165-544-450



YANKAUER
Suction Tube, 300mm working length,
∅ 5mm shaft, with finger stop

435mm, 17 1/8"	165-544-435



Olive only

165-543-000



GRECO
Suction Tube, 90° angled,
basket detachable, 160mm, 6 1/4"

Ø 3.3mm shaft	165-533-331
Ø 5.0mm shaft	165-533-330



GRECO
Suction Tube, 45° angled, 180mm, 7"

Ø 3.3mm shaft	165-533-321
Ø 5.0mm shaft	165-533-322

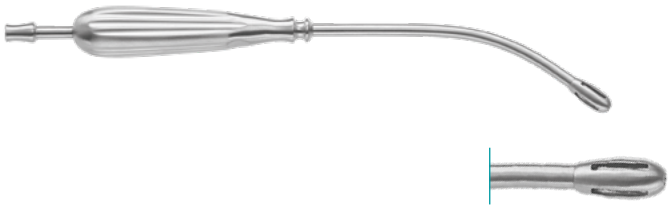


GRECO
Suction Tube, without basket,
60° angled, 180mm, 7"

Ø 3.3mm shaft	165-533-332

45° angled, 210mm, 8 1/4"

Ø 3.3mm shaft	165-533-310
Ø 5.0mm shaft	165-533-311



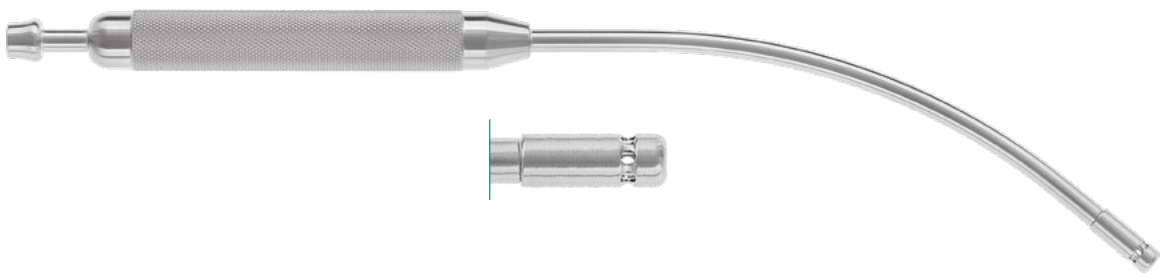
DEBAKEY
Suction Tube, lateral slots, ∅ 5mm

160mm, 6 1/4"	165-065-160
270mm, 10 7/8"	165-065-270



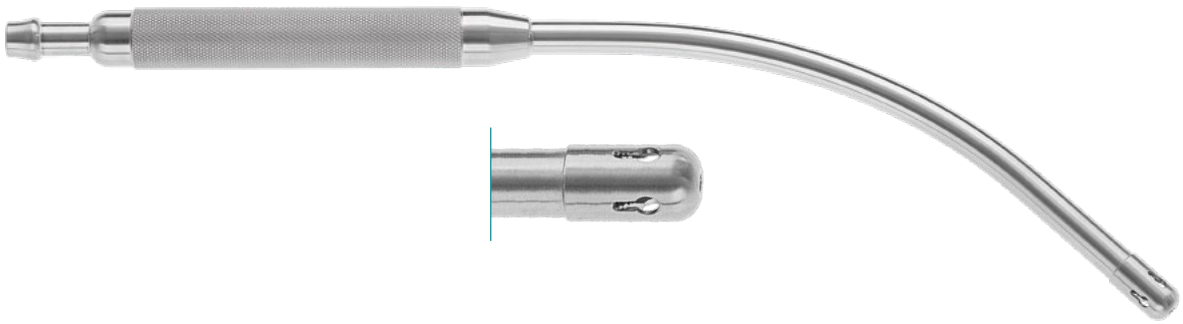
COOLEY
Suction Tube, without basket, ∅ 8mm

350mm, 14"	165-552-350



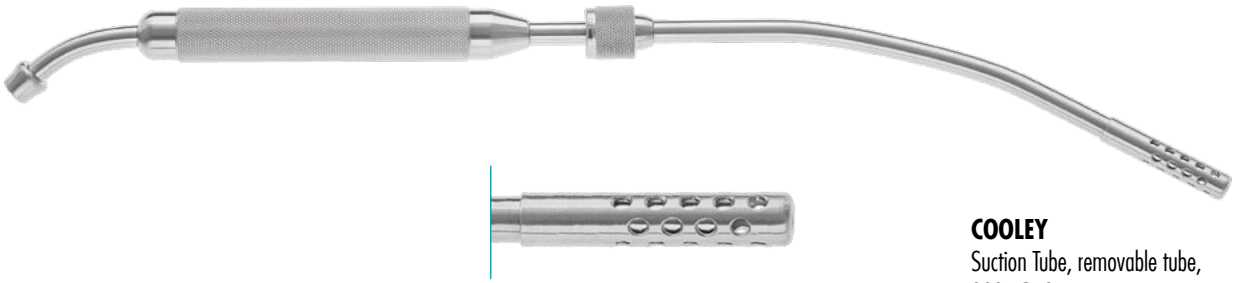
COOLEY
Suction Tube, with basket, ∅ 7mm

300mm, 11 7/8"	165-552-300



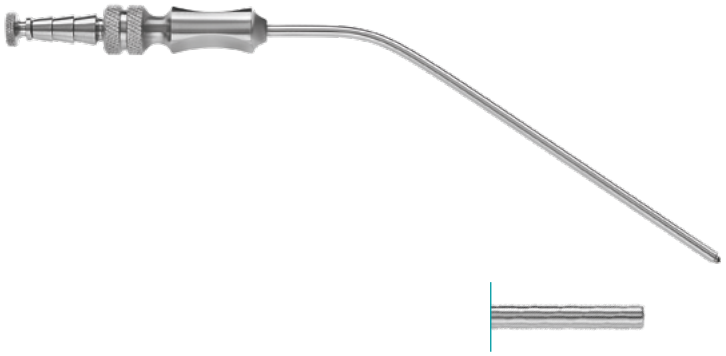
COOLEY
Suction Tube, ∅ 10mm

310mm, 12 1/4"	165-552-310



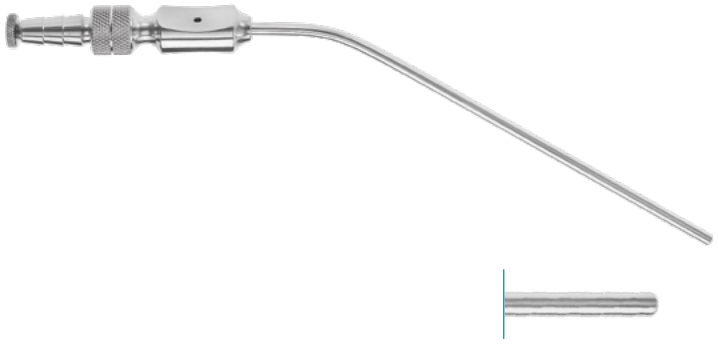
COOLEY
Suction Tube, removable tube, 30°, ∅ 8mm

330mm, 13"	165-552-330



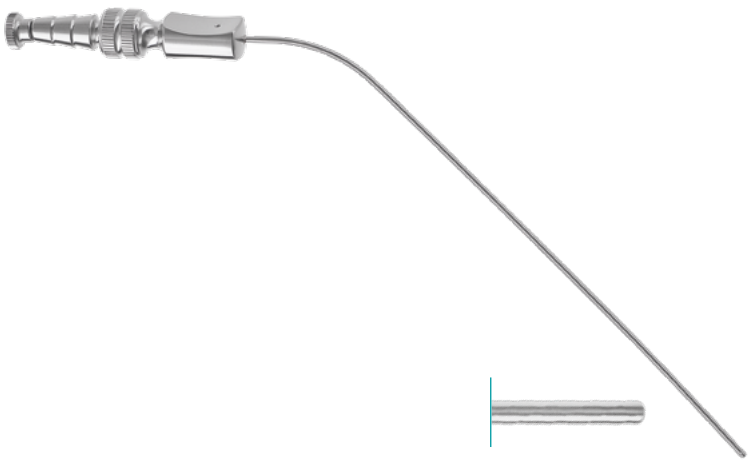
FRAZIER
Suction Tube, 190mm, 7 1/2"

∅ 1.6mm, 5 Charr.	165-523-005
∅ 2.0mm, 6 Charr.	165-523-006
∅ 2.3mm, 7 Charr.	165-523-007
∅ 2.5mm, 8 Charr.	165-523-008
∅ 3.0mm, 9 Charr.	165-523-009
∅ 3.3mm, 10 Charr.	165-523-010
∅ 3.6mm, 11 Charr.	165-523-011
∅ 4.0mm, 12 Charr.	165-523-012
∅ 5.0mm, 15 Charr.	165-523-015



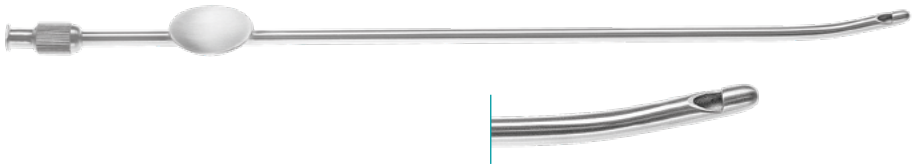
FERGUSSON
Suction Tube, 180mm, 7"

∅ 1.6mm, 5 Charr.	165-525-005
∅ 2.0mm, 6 Charr.	165-525-006
∅ 2.3mm, 7 Charr.	165-525-007
∅ 2.5mm, 8 Charr.	165-525-008
∅ 3.0mm, 9 Charr.	165-525-009
∅ 3.3mm, 10 Charr.	165-525-010
∅ 3.6mm, 11 Charr.	165-525-011
∅ 4.0mm, 12 Charr.	165-525-012
∅ 5.0mm, 15 Charr.	165-525-015



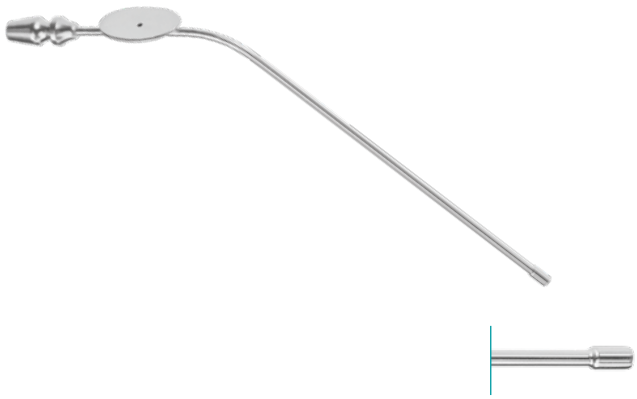
FERGUSSON
Suction Tube, 230mm, 9"

1 x 2.0mm, 5 Charr.	165-525-205
1 x 2.5mm, 7 Charr.	165-525-207
1 x 3.0mm, 9 Charr.	165-525-209
1 x 4.0mm, 12 Charr.	165-525-212



RANDALL
Suction Biopsy Curette, ∅ 4mm

240mm, 9 1/2"	350-602-240



RHOTON MERZ
Suction Tube, curved down, 130mm, 5 1/8"

5 Charr.	165-066-005
7 Charr.	165-066-007

straight, 100mm, 4"

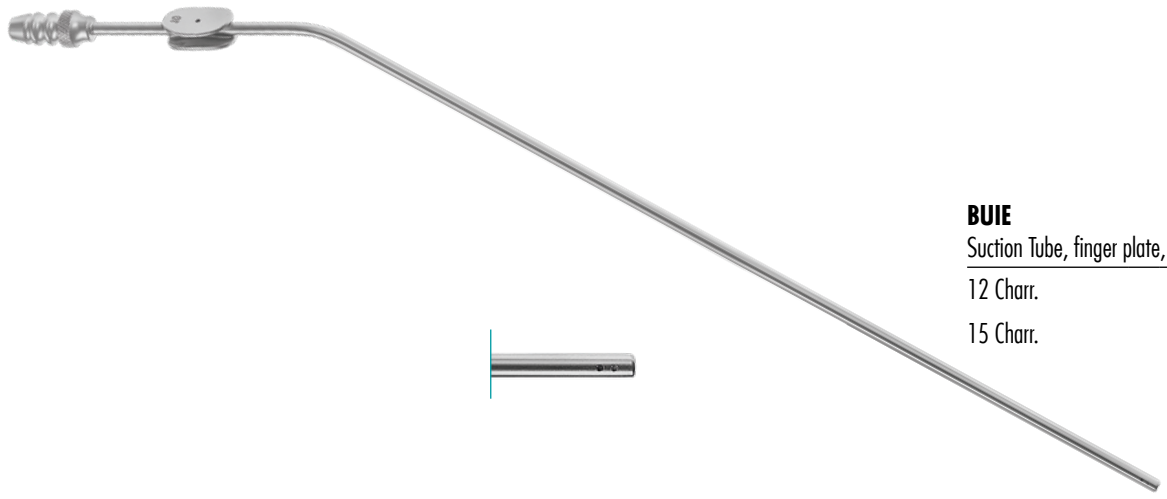
3 Charr.	165-067-003
5 Charr.	165-067-005
7 Charr.	165-067-007
10 Charr.	165-067-010
12 Charr.	165-067-012

angled, 130mm, 5 1/8"

5 Charr.	165-068-005
7 Charr.	165-068-007
10 Charr.	165-068-010

curved up, 130mm, 5 1/8"

5 Charr.	165-069-005
7 Charr.	165-069-007



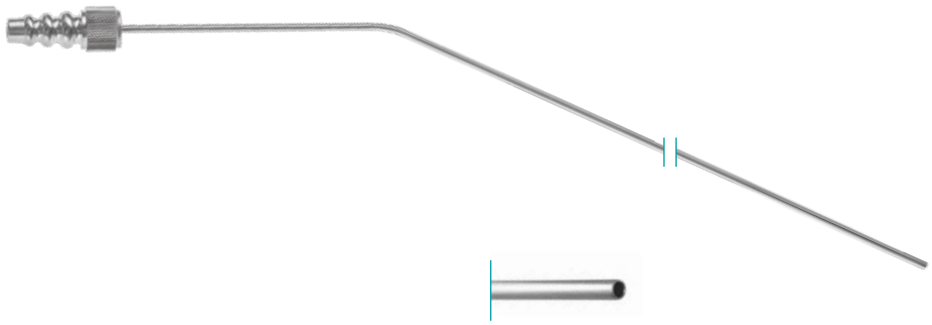
BUIE
Suction Tube, finger plate, 400mm, 15 3/4"

12 Charr.	165-530-012
15 Charr.	165-530-015



Suction Cannula, fibre-optic light carrier, 190mm, 7 1/2"

10 Fr.	165-523-110
12 Fr.	165-523-112



YASARGIL

Suction Cannula, ∅ 1.5mm

130mm, 5 1/8"	250-064-152
150mm, 6"	250-064-154
180mm, 7"	250-064-156
220mm, 8 2/3"	250-064-158
∅ 2.0mm	
130mm, 5 1/8"	250-064-162
150mm, 6"	250-064-164
180mm, 7"	250-064-166
220mm, 8 2/3"	250-064-168
∅ 2.5mm	
130mm, 5 1/8"	250-064-172
150mm, 6"	250-064-174
180mm, 7"	250-064-176
220mm, 8 2/3"	250-064-178
∅ 3.5mm	
130mm, 5 1/8"	250-064-182
150mm, 6"	250-064-184
180mm, 7"	250-064-186
220mm, 8 2/3"	250-064-188
∅ 4.5mm	
180mm, 7"	250-064-189



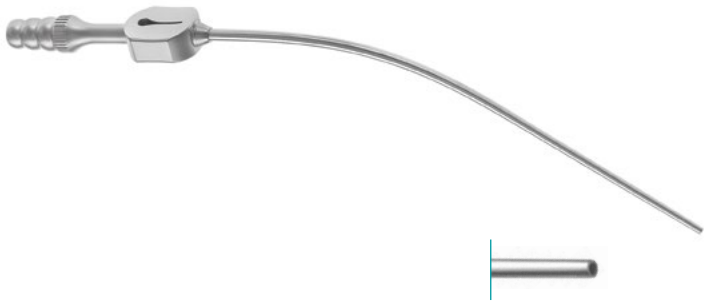
FUKUSHIMA
Suction Tube, conical, malleable,
165mm, 6 1/2"

3 Charr.	165-533-163
4 Charr.	165-533-164
5 Charr.	165-533-165
6 Charr.	165-533-166



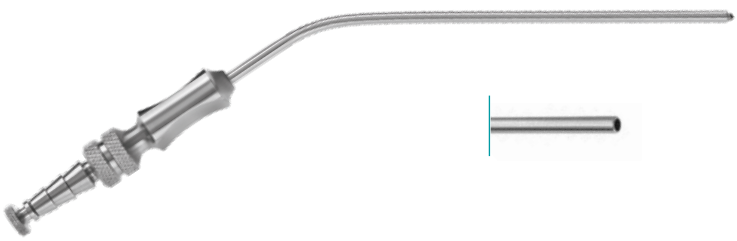
FUKUSHIMA
Suction Tube, conical, malleable,
180mm, 7"

3 Charr.	165-533-183
4 Charr.	165-533-184
5 Charr.	165-533-185
6 Charr.	165-533-186
7 Charr.	165-533-187
8 Charr.	165-533-188
9 Charr.	165-533-189



FUKUSHIMA
Suction Tube, conical, malleable,
205mm, 8 1/8"

3 Charr.	165-533-203
4 Charr.	165-533-204
5 Charr.	165-533-205
6 Charr.	165-533-206
7 Charr.	165-533-207
8 Charr.	165-533-208
9 Charr.	165-533-209
10 Charr.	165-533-210
12 Charr.	165-533-212



FRAZIER
Suction tube, 30° angled,
190mm, 7 1/2" overall length

5 Charr.	165-523-005
6 Charr.	165-523-006
7 Charr.	165-523-007
8 Charr.	165-523-008
9 Charr.	165-523-009
10 Charr.	165-523-010
11 Charr.	165-523-011
12 Charr.	165-523-012
15 Charr.	165-523-015



FRAZIER
Suction tube, straight,
130mm, 5 1/8" working length

6 Charr.	165-522-106
8 Charr.	165-522-108
10 Charr.	165-522-110
12 Charr.	165-522-112



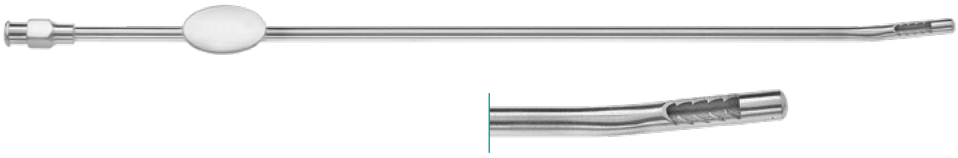
BARON
Suction tube, finger cut-off, stylet, 100mm, 4"

3 Charr.	165-539-003
5 Charr.	165-539-005
7 Charr.	165-539-007



ADSON
Suction tube, ∅ 4mm, 210mm, 8 1/4"

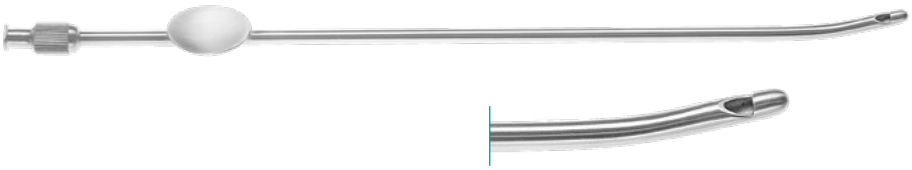
12 Charr.	165-521-004



NOVAK

Biopsy Curette, 250mm, $9^{7/8}$″

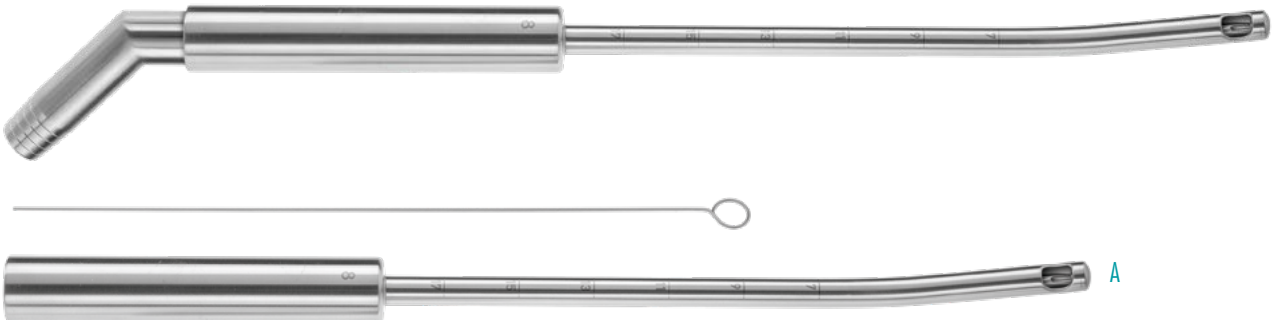
Ø 1mm	350-601-230
Ø 2mm	350-602-230
Ø 3mm	350-603-230
Ø 4mm	350-604-230



RANDALL

Suction Biopsy Curette, 240mm, $9^{1/2}$″

Ø 1mm	350-601-240
Ø 4mm	350-602-240



A



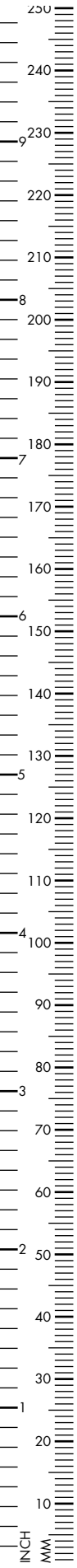
B

A Aspirating Curette, 290mm, $11^{1/2}$″

3.0mm	350-650-030
4.5mm	350-650-045
6.0mm	350-650-060
8.0mm	350-650-080
10.0mm	350-650-100
12.0mm	350-650-120
14.0mm	350-650-140

B Coupling Piece

	350-650-000


250
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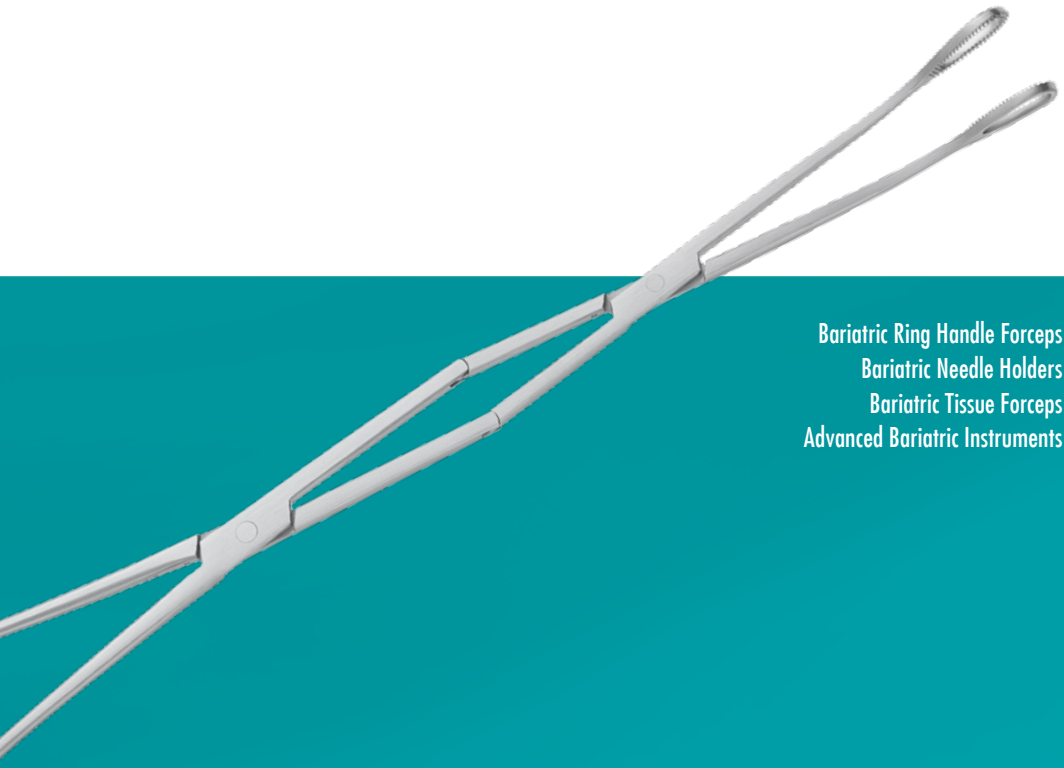
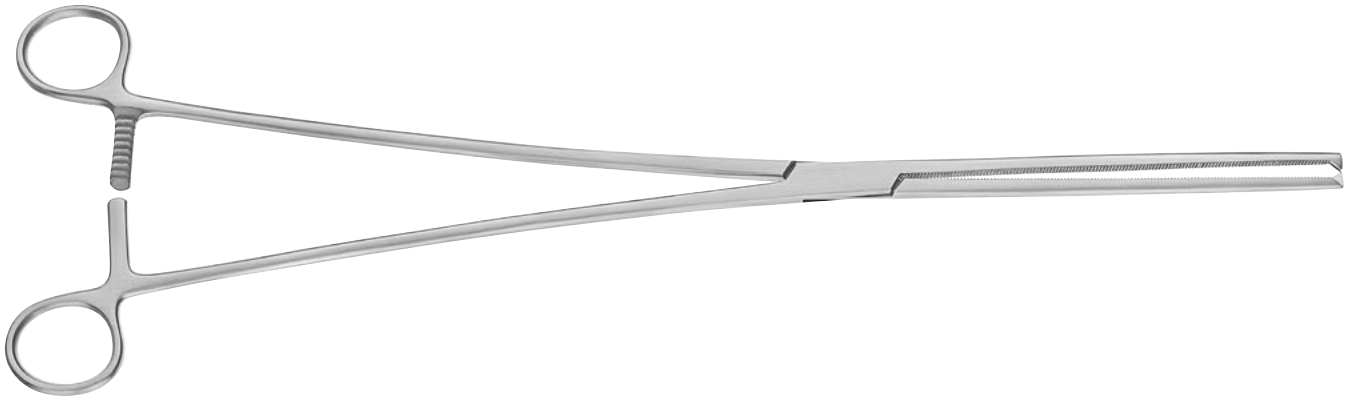
INCH
MM

BARIATRIC INSTRUMENTS



Bariatric Ring Handle Forceps
Bariatric Needle Holders
Bariatric Tissue Forceps
Advanced Bariatric Instruments

Supersize
Bariatric Ring Handle Forceps





ANDERSON
Ligature Forceps, slightly curved

350mm, 14"	140-284-355
410mm, 16"	140-284-410



ROCHESTER PEAN
Hemostatic Forceps, straight, serrated

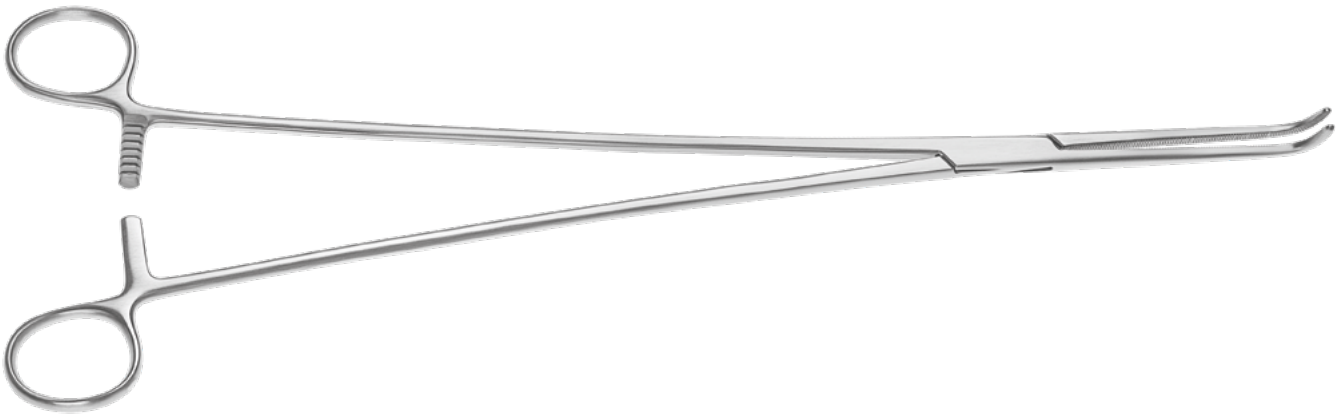
300mm, 12"	140-330-300
350mm, 14"	140-330-355
410mm, 16"	140-330-410



KOCHER OCHSNER
Hemostatic Forceps, 1x2 teeth, straight

300mm, 12"	140-332-300
350mm, 14"	140-332-355
410mm, 16"	140-332-410

Supersize
Bariatric Ring Handle Forceps





GEMINI
Dissecting Forceps, serrated, acutely curved

280mm, 11"	140-361-280
355mm, 14 1/8"	140-361-355
410mm, 16"	140-361-410



MIXTER
Dissecting Forceps, serrated, curved

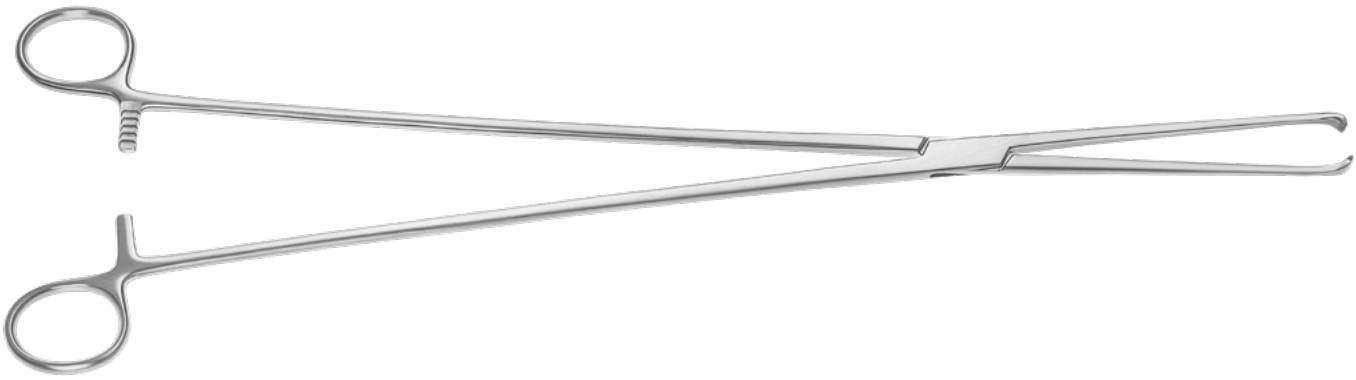
355mm, 14 1/8"	140-423-355
410mm, 16"	140-423-410



CLARK
Artery Forceps, serrated, curved

300mm, 12"	140-441-300
355mm, 14 1/8"	140-441-355
410mm, 16"	140-441-410

Supersize
Bariatric Ring Handle Forceps





FOERSTER
Sponge Forceps, straight

355mm, 14 1/8"	150-052-355
410mm, 16"	150-052-410



ALLIS
Tissue Forceps, 5x6 teeth, straight

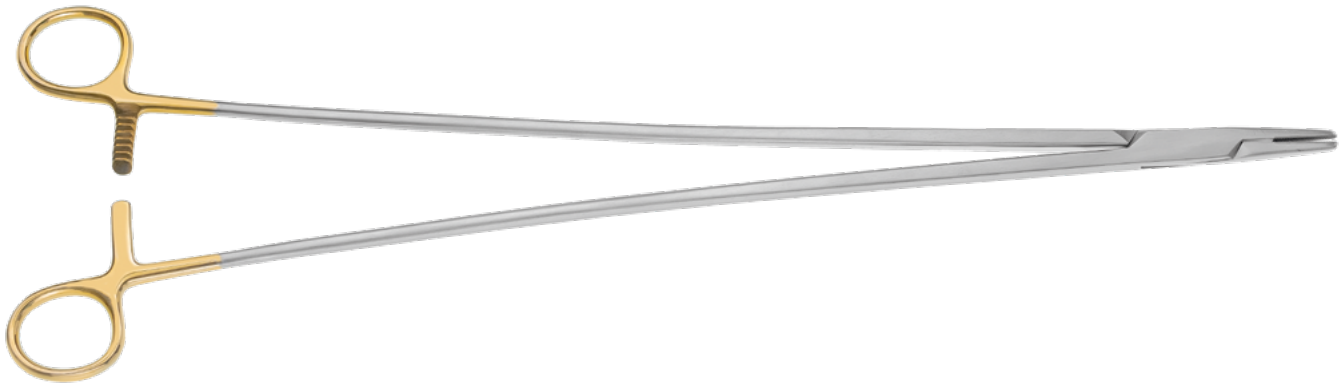
355mm, 14 1/8"	310-014-355
410mm, 16"	310-014-410



BABCOCK
Intestinal Tissue Forceps, straight

300mm, 12"	310-110-300
355mm, 14 1/8"	310-110-355
410mm, 16"	310-110-410

Supersize
Bariatric Needle Holders





HEANEY
TC Needle Holder, slightly curved

350mm, 14“	180-547-355
410mm, 16“	180-547-410



NOLAN
TC Needle Holder, straight

350mm, 14“	180-553-355
410mm, 16“	180-553-410



MASSON
TC Needle Holder, heavy pattern, straight

270mm, $10^{2/3}$“	180-556-270
350mm, 14“	180-556-355
410mm, 16“	180-556-410





Tissue Forceps, 1x2, straight

300mm, 12"	130-110-300
355mm, 14 1/8"	130-110-355
410mm, 16"	130-110-410



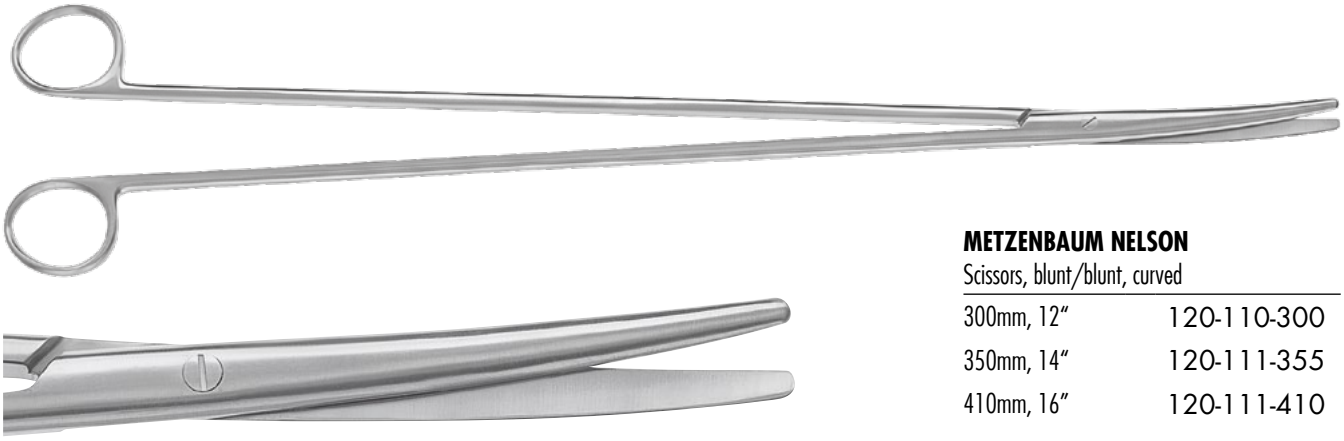
SINGLBY TUTTLE
Dressing Forceps, straight

300mm, 12"	130-560-300
355mm, 14 1/8"	130-560-350
410mm, 16"	130-560-410



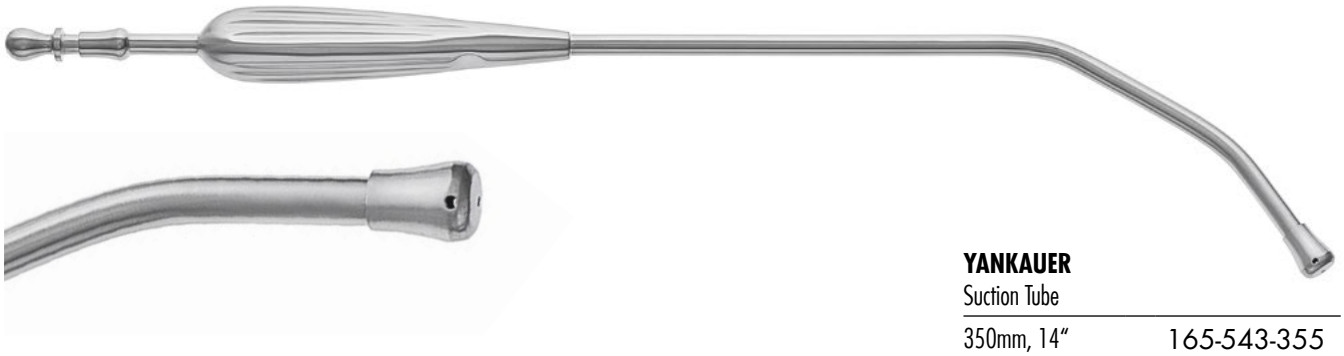
DEBAKEY
Atraumatic Tissue Forceps, 2.8mm tip, step down jaws

300mm, 12"	290-548-300
355mm, 14 1/8"	290-548-355
410mm, 16"	290-548-410



METZENBAUM NELSON
Scissors, blunt/blunt, curved

300mm, 12"	120-110-300
350mm, 14"	120-111-355
410mm, 16"	120-111-410



YANKAUER
Suction Tube

350mm, 14"	165-543-355
410mm, 16"	165-543-410



CUSHING
Vein Retractor

350mm, 14"	170-246-355
410mm, 16"	170-246-410





METZENBAUM
Scissors, double action, blunt/blunt, straight
470mm, 18 1/2" 120-588-450



METZENBAUM
Scissors, double action, blunt/blunt, curved
470mm, 18 1/2" 120-589-450



FOERSTER
Sponge Holding Forceps, double action, curved
350mm, 14" 150-588-350





BABCOCK
Intestinal Forceps, double action

470mm, 18 1/2"	310-588-470



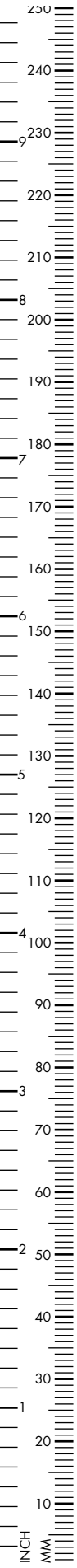
MAYO HEGAR
TC Needle Holder, double action, straight

460mm, 18"	180-588-460



CLARK
Artery Forceps, curved, double action, serrated

465mm, 18 1/3"	140-587-460
370mm, 14 1/2"	140-587-370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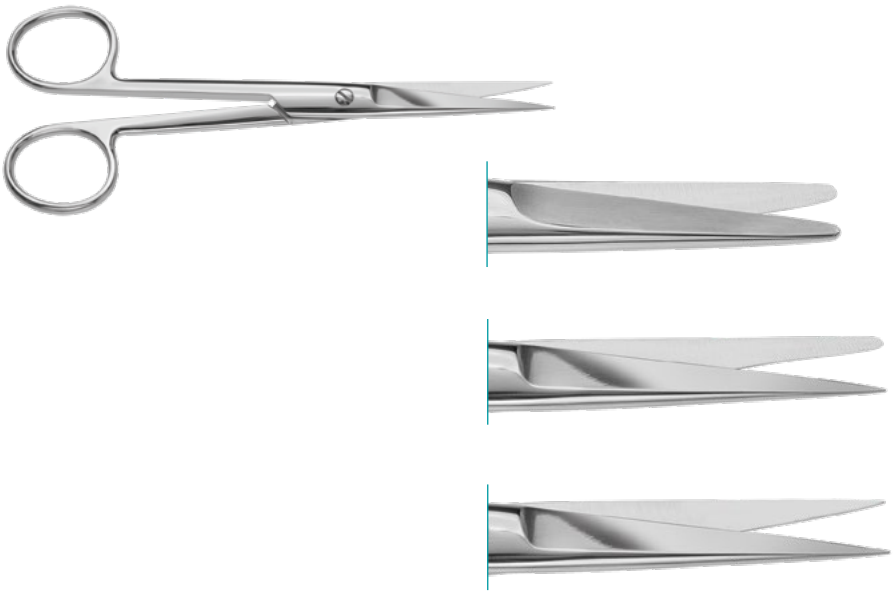
LEFT HANDED INSTRUMENTS



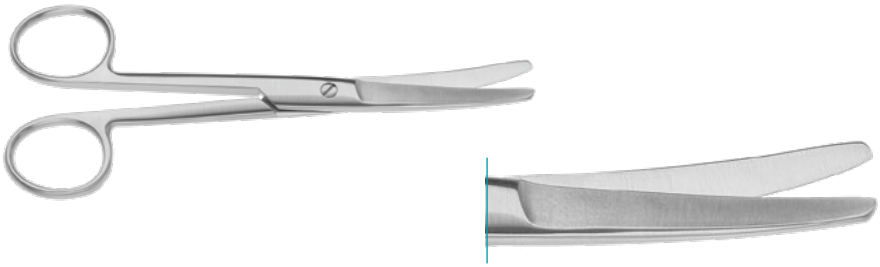
Scissors
Needle Holders

RZ Medizintechnik
PRO RZ IN SURGERY



STANDARD
straight, 145mm, 5 3/4"

blunt	120-010-145L
blunt-sharp	120-012-145L
sharp	120-014-145L
curved	
blunt	120-011-145L
blunt-sharp	120-013-145L
sharp	120-015-145L



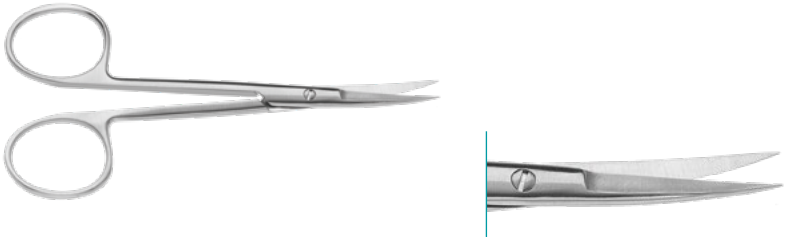
MAYO
blunt, 145mm, 5 3/4"

straight	120-030-145L
curved	120-031-145L
170mm, 6 2/3"	
straight	120-030-170L
curved	120-031-170L



MAYO STILLE
straight

170mm, 6 2/3"	120-036-170L
curved	
170mm, 6 2/3"	120-037-170L



Iris Scissors, 105mm, 4 1/3"

straight	120-080-105L
curved	120-081-105L

115mm, 4 1/2"

straight	120-080-115L
curved	120-081-115L



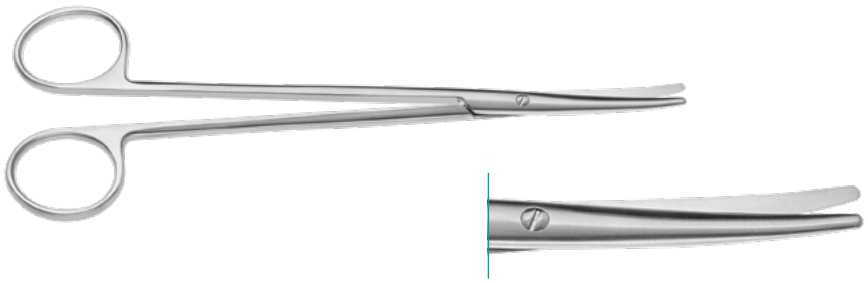
Strabismus Scissors, blunt, 105mm, 4 1/3"

straight	120-094-105L
curved	120-095-105L



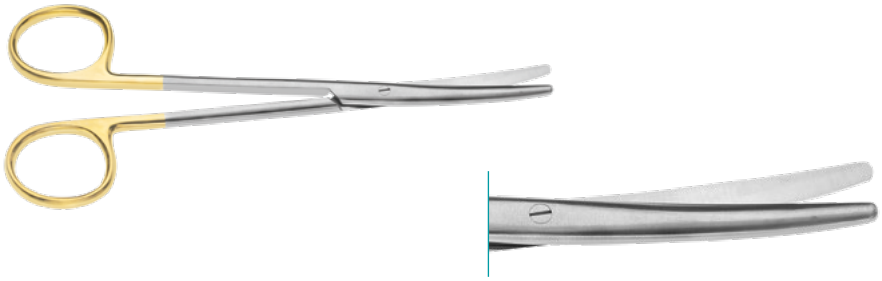
BABY METZENBAUM
curved, blunt/blunt

115mm, 4 1/2"	120-111-115L



METZENBAUM
curved, blunt/blunt

180mm, 7"	120-111-180L



METZENBAUM TC
Fig. 1, curved, blunt/blunt

145mm, 5 3/4"	120-511-145L
180mm, 7"	120-511-180L
200mm, 8"	120-511-200L



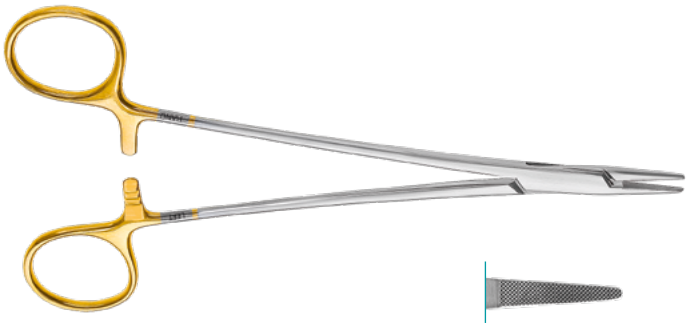
TC HALSEY
smooth jaw, straight

130mm, 5 1/8"	180-536-130L



TC CRILE WOOD
serrated jaw, straight

150mm, 6"	180-540-150L



TC DEBAKEY
straight, serrated

180mm, 7"	180-548-180L
200mm, 8"	180-548-200L
230mm, 9"	180-548-230L



MAYO HEGAR
serrated jaw

160mm, 6 1/4"	180-550-160L
180mm, 7"	180-550-180L
200mm, 8"	180-550-200L



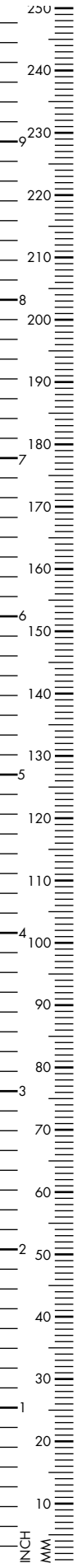
TC RYDER
serrated, 2mm jaw, straight

150mm, 6"	180-560-160L
200mm, 8"	180-560-200L

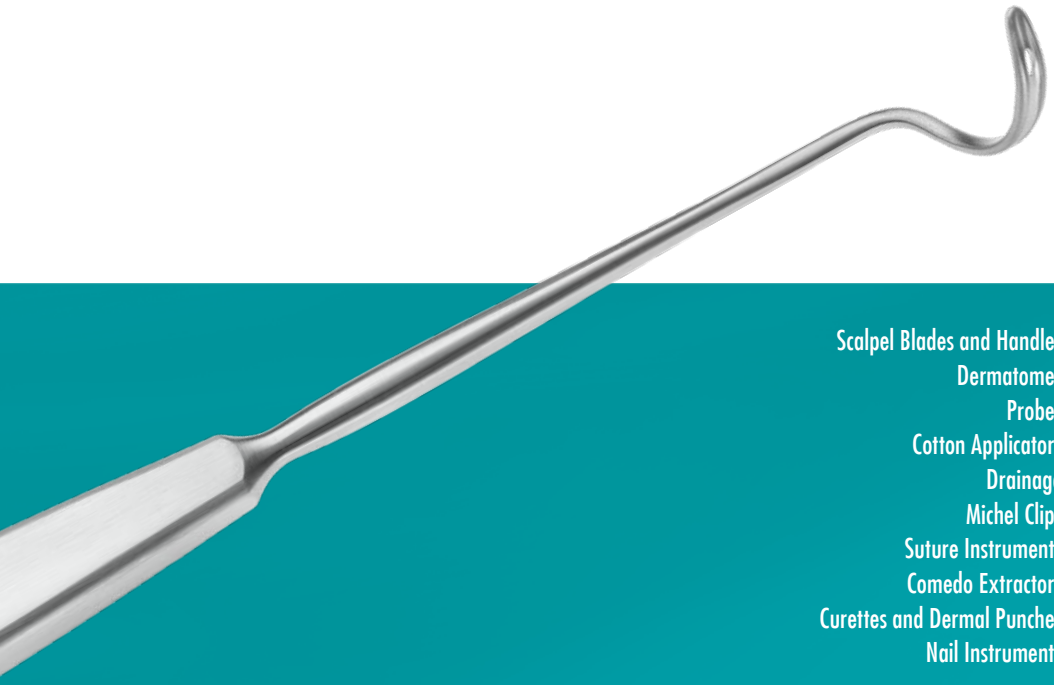


GILLIES
upturned thumb ring, curved, serrated jaw

160mm, 6 1/4"	180-570-160L


250
240
230
220
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
9
8
7
6
5
4
3
2
1
INCH
MM

SKIN AND WOUND



Scalpel Blades and Handles
Dermatomes
Probes
Cotton Applicators
Drainage
Michel Clips
Suture Instruments
Comedo Extractors
Curettes and Dermal Punches
Nail Instruments

FOR BLADES #3



Knife Handle #3, 130mm, 5 1/8"

	110-110-003
with cm/mm scale	110-114-003



Knife Handle #3L

210mm, 8 1/4"	110-116-033
360mm, 14"	110-116-133



Knife Handle #3LA

210mm, 8 1/4"	110-117-033



Knife Handle #7

165mm, 6 1/2"	110-130-077



Knife Handle #7K

130mm, 5 1/8"	110-130-007

FOR BLADES # 4



Knife Handle #4, 135mm, $5^{1/3}$"
110-140-004
with cm/mm scale 110-141-004



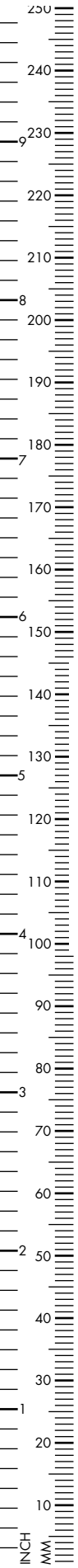
Knife Handle #4L
210mm, $8^{1/4}$" 110-144-004

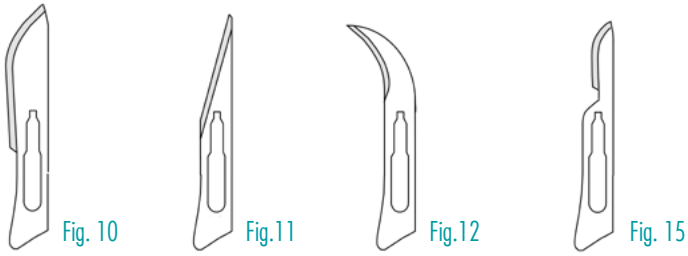


COLLIN
Scalpel Handle #8
130mm, $5^{1/8}$" 110-146-008



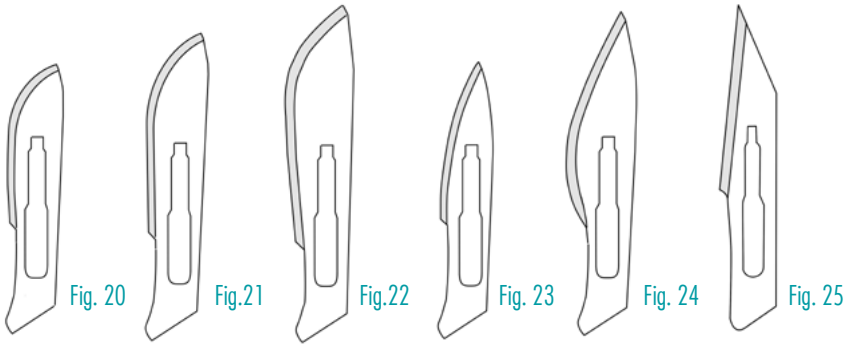
COLLIN
Scalpel Handle #9
145mm, $5^{3/8}$" 110-146-009





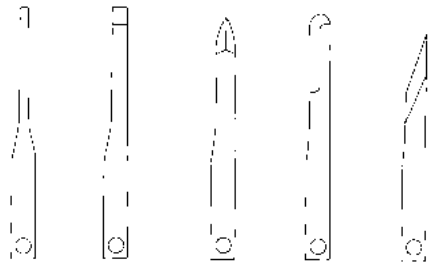
SCALPEL BLADES FOR HANDLES #3
Sterile Pack of 100pcs.

Fig. 10	110-201-010
Fig. 11	110-201-011
Fig. 12	110-201-012
Fig. 15	110-201-015



SCALPEL BLADES FOR HANDLES #4
Sterile Pack of 100pcs.

Fig. 20	110-201-020
Fig. 21	110-201-021
Fig. 22	110-201-022
Fig. 23	110-201-023
Fig. 24	110-201-024
Fig. 25	110-201-025



MINI SCALPEL BLADES
Sterile Pack of 100pcs.

A	250-022-361
B	250-022-362
C	250-022-363
D	250-022-364
E	250-022-365

FOR MINI BLADES



Knife Handle, round knurled handle

#3KS 95mm, 3 3/4"	110-150-095
#3KL 150mm, 6"	110-150-150

Replacement

	110-150-000



Knife Handle, hexagonal handle

#3HL 160mm, 6 1/4"	110-152-160

Knife Handle, for mini blades

105mm, 4 1/8"	110-152-105

Replacement

	110-150-000



CASPAR
Scalpel Handle

155mm, 6 1/8"	250-022-048



Scalpel Handle

200mm, 8"	250-022-054



LANDOLT
Scalpel Handle

210mm, 8 1/4"	250-022-053



BRAITHWAITE
Hand Dermatome, right handed, complete, 300mm, 11 7/8"

right handed	110-098-305
left handed	110-097-305

Blade only, non sterile, package of 10 pcs.
110-098-399



SILVER
Skin Graft Knife

190mm, 7 1/2"	110-096-019

Spare Blade
110-096-119



GOULIAN
Skin Graft Knife, complete with 5 spare blades

180mm, 7"	110-096-180

Spare blade
110-096-185



SCHINK
Dermatome, with intererchangeable blade and 2 skin straightening blades

300mm, 11 7/8"	110-090-000

Spare Blade
110-090-001



Skin straightening plate
110-090-002



Button-end Probe, ∅ 1mm	
115mm, 4 1/2"	160-102-115
130mm, 5 1/8"	160-102-130
145mm, 5 3/4"	160-102-145
160mm, 6 1/4"	160-102-160
180mm, 7"	160-102-180
200mm, 8"	160-102-200
∅ 2mm	
115mm, 4 1/2"	160-100-115
130mm, 5 1/8"	160-100-130
145mm, 5 3/4"	160-100-145
160mm, 6 1/4"	160-100-160
180mm, 7"	160-100-180
200mm, 8"	160-100-200



Button-end Probe, with eye, ∅ 2mm	
115mm, 4 1/2"	160-108-115
130mm, 5 1/8"	160-108-130
145mm, 5 3/4"	160-108-145
160mm, 6 1/4"	160-108-160
180mm, 7"	160-108-180
200mm, 8"	160-108-200



Myrtle Leaf Probe , ∅ 2mm	
145mm, 5 3/4"	160-150-145
160mm, 6 1/4"	160-150-160
180mm, 7"	160-150-180
200mm, 8"	160-150-200



Probe, ∅ 1.5mm	
130mm, 5 1/8"	160-099-130
145mm, 5 3/4"	160-099-145
160mm, 6 1/4"	160-099-160
200mm, 8"	160-099-200



STACKE
Probe , ∅ 1mm

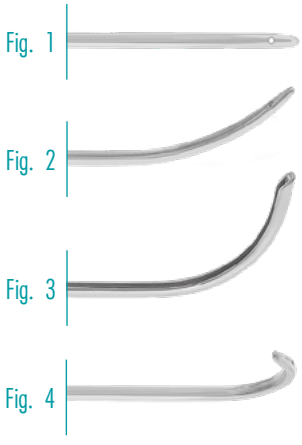
115mm, 4 1/2"	160-130-105
140mm, 5 1/2"	160-130-140



BOWMAN
Lacrimal Probe, buttoned up, german silver

0/1	400-497-001
00/0	400-497-003
000/00	400-497-005
0000/000	400-497-008
1/2	400-497-012
2/3	400-497-023
3/4	400-497-034





LOCKHART MUMMERY
Fistula Probe, 165mm, 6 1/2"

Fig. 1	160-110-001
Fig. 2	160-110-002
Fig. 3	160-110-003
Fig. 4	160-110-004



Grooved Director

115mm, 4 1/2"	160-107-115
130mm, 5 1/8"	160-107-130
145mm, 5 3/4"	160-107-145
160mm, 6 1/4"	160-107-160
180mm, 7"	160-107-180
200mm, 8"	160-107-200



Grooved Director, buttoned

130mm, 5 1/8"	160-170-130
145mm, 5 3/4"	160-170-145
160mm, 6 1/4"	160-170-160
180mm, 7"	160-170-180



NÉLATON

Director

160mm, 6 1/4"	160-185-160



BRODIE

Probe

200mm, 8"	160-090-200



Cotton Applicator, rough spiral end
Ø 1.5mm

180mm, 7"	160-412-180



FARRELL (LATHBURY UEBE)
Cotton Applicator, threaded, Ø 0.9mm

120mm, 4 3/4"	160-420-120
140mm, 5 1/2"	160-420-140

Ø 1.2mm

180mm, 7"	160-420-180



FARRELL
Cotton Applicator, triangular, Ø 0.9mm

120mm, 4 3/4"	160-426-120
140mm, 5 1/2"	160-426-140

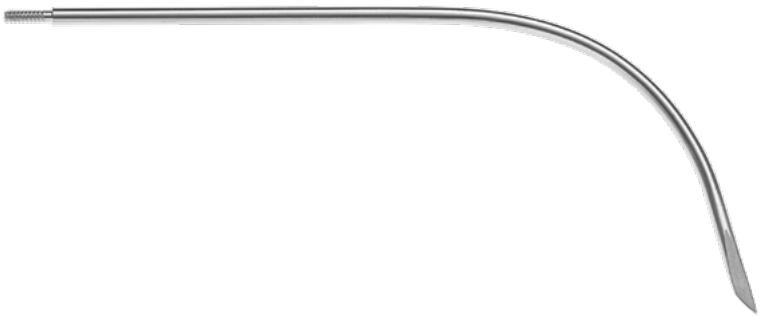
Ø 1.2mm

180mm, 7"	160-426-180
230mm, 9"	160-426-230



REDON
Guide Needle Knife Tip, slightly curved,
with threaded end
195mm, 7 2/3"

8 Charr	165-200-080
10 Charr	165-200-100
12 Charr	165-200-120
14 Charr	165-200-140
16 Charr	165-200-160
18 Charr	165-200-180



REDON
Guide Needle Knife Tip, curved,
with threaded end
195mm, 7 2/3"

8 Charr	165-202-080
10 Charr	165-202-100
12 Charr	165-202-120
14 Charr	165-202-140
16 Charr	165-202-160
18 Charr	165-202-180



REDON
Guide Needle, lancet tip, slightly curved,
with threaded end
185mm, 7 1/4"

8 Charr	165-204-080
10 Charr	165-204-100
12 Charr	165-204-120
14 Charr	165-204-140
16 Charr	165-204-160





HEGENBARTH
Clip Applying Forceps

125mm, 5"	180-920-125





WACHENFELDT
Clip Applying Forceps

125mm, 5"	180-922-125





MICHEL
Clip Applying & Removal Forceps

120mm, 4 3/4"	180-916-120



MICHEL
Clip Removal Forceps

120mm, 4 3/4"	180-920-120



RICHTER-HEATH
Clip Removal Forceps

140mm, 5 1/2"	180-936-140



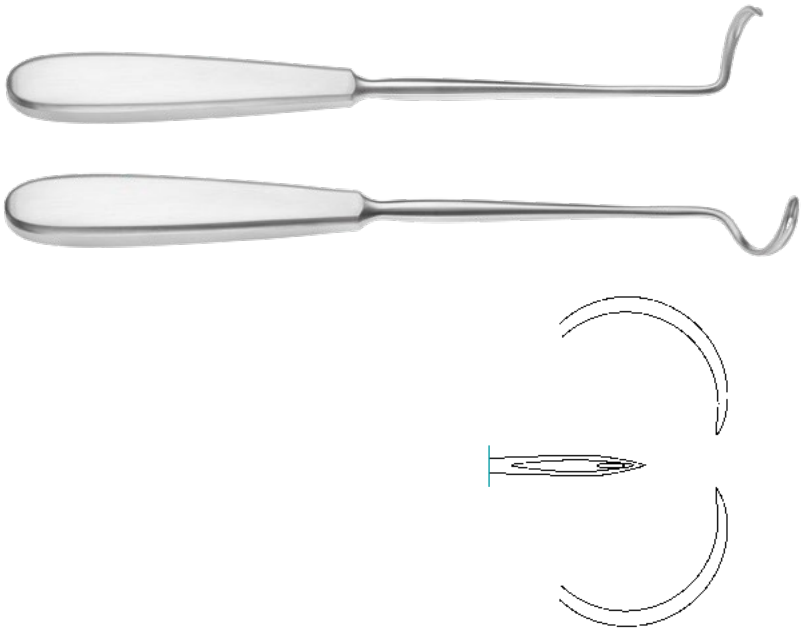
MICHEL
Suture Clips, package of 100 pcs.

7.5mm x 1.75mm	180-940-075
11.0mm x 2.0mm	180-940-110
12.0mm s 3.0mm	180-940-120
14.0mm x 3.0mm	180-940-140
16.0mm x 3.0mm	180-940-160
18.0mm x 3.0mm	180-940-180
20.0mm x 3.0mm	180-940-200
22.0mm x 3.0mm	180-940-220



MICHEL
Clip Set, complete in metal case

	180-950-000

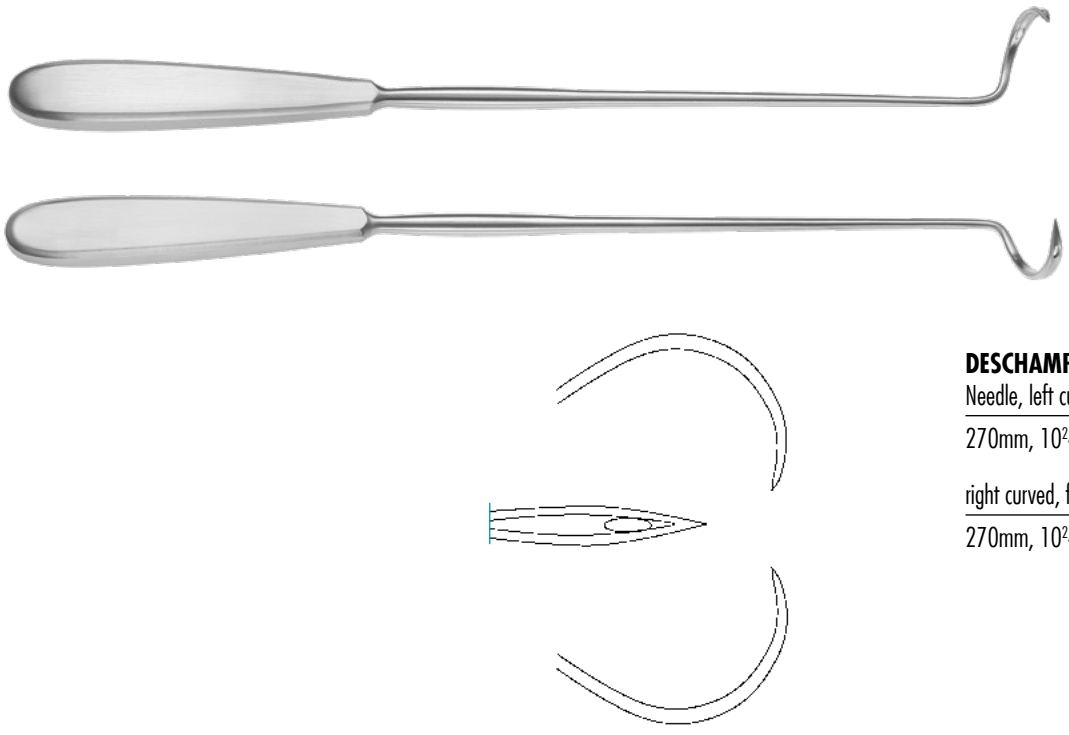


DESCHAMPS
Ligature Needles, sharp

left curved, for right hand	180-724-200
right curved, for left hand	180-728-200

blunt

left curved, for right hand	180-726-210
right curved, for left hand	180-727-210

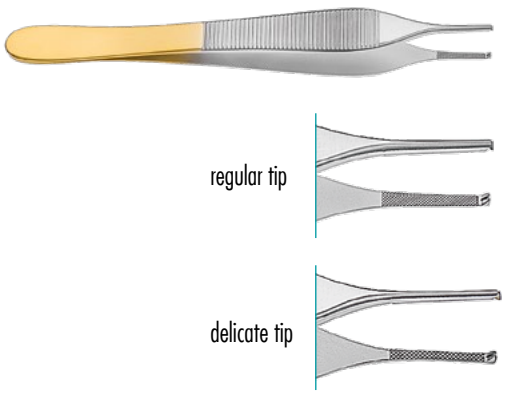


DESCHAMPS
Needle, left curved, sharp, for right hand

270mm, $10^{2/3}$"	180-732-270

right curved, for left hand

270mm, $10^{2/3}$"	180-733-270

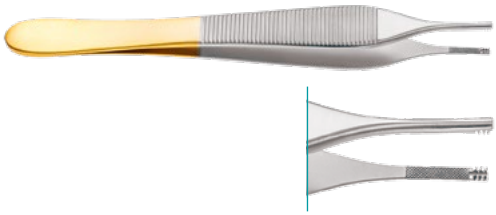


TC ADSON
Needle and Tissue Pulling Forceps, 1x2 teeth
regular tip, cross-serrated

120mm 4 3/4"	130-534-120
150mm, 6"	130-534-150

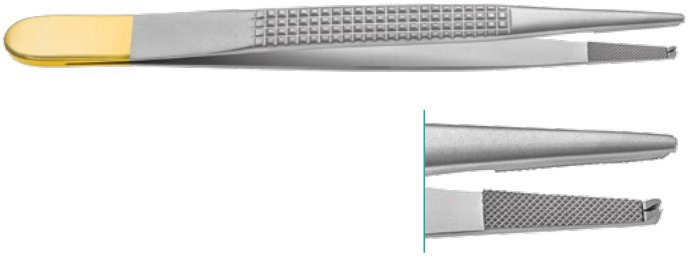
delicate tip

120mm 4 3/4"	130-537-120
150mm, 6"	130-537-150



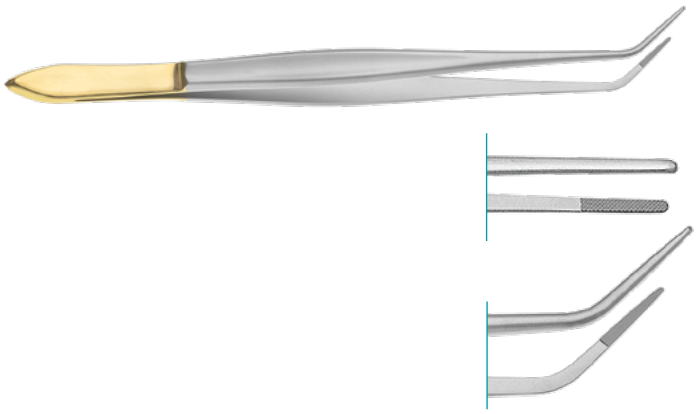
TC ADSON BROWN
Forceps, 7x7 teeth, tying platform

120mm, 4 3/4"	130-529-120
150mm, 6"	130-529-150



TC BONNEY
Needle and Tissue Pulling Forceps, 1x2 teeth, british pattern

170mm, 6 2/3"	130-514-170



TC CUSHING
Needle and Tissue Pulling Forceps,
with scraper/dissector end, straight

180mm, 7"	130-536-175

angled

180mm 7"	130-539-180



TC DEBAKEY
TC Atraumatic Forceps, 2.0mm wide

160mm, 6 1/4"	130-570-160
200mm, 8"	130-570-200
240mm, 9 1/2"	130-570-240



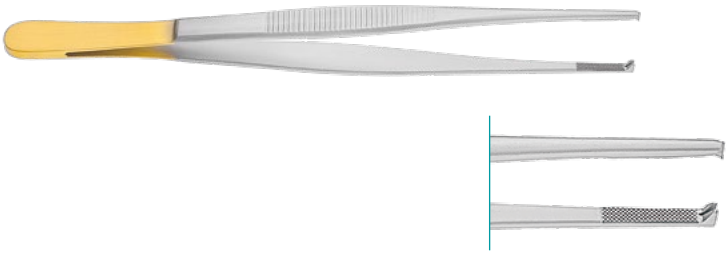
TC DEBAKEY
TC Atraumatic Forceps, 1.5mm wide

160mm, 6 1/4"	130-568-150
200mm, 8"	130-568-190
240mm, 9 1/2"	130-568-240



TC FERRIS SMITH
Needle and Tissue Pulling Forceps, 1x2 teeth

170mm, 6 2/3"	130-510-170



TC OEHLER
Needle and Tissue Pulling Forceps, 1x2 teeth

145m, 5 3/4"	130-522-145
160mm, 6 1/4"	130-522-160
200mm, 8"	130-522-200
250mm, 9 7/8"	130-522-250



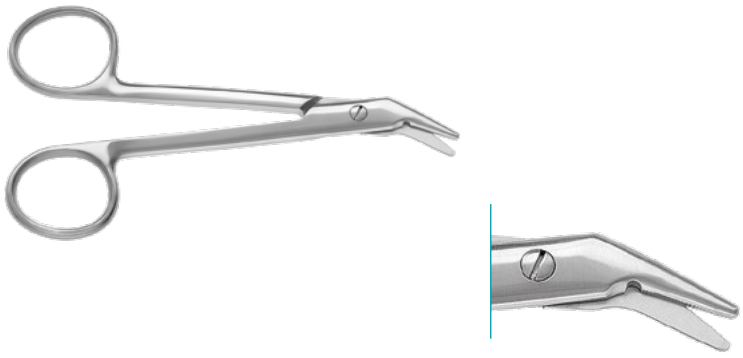
TC GERALD
Needle and Tissue Pulling Forceps, 1x2 teeth

170mm, 6 2/3"	130-518-170



TC SEMKEN
Needle and Tissue Pulling Forceps, 1x2 teeth

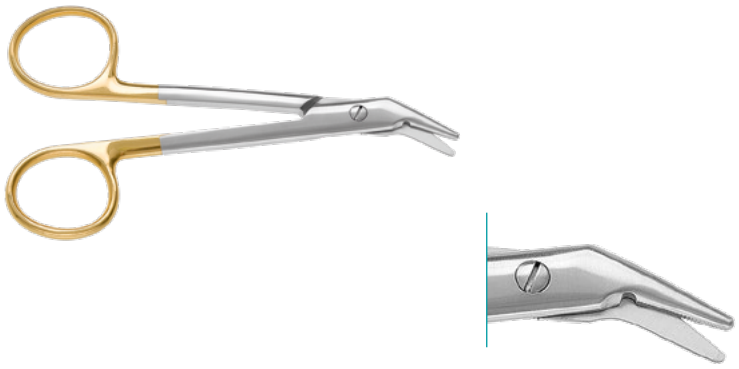
150mm, 6"	130-512-150



CUT ∅
HARD max. 0.6mm
SOFT max. 1.2mm

UNIVERSAL
Wire Suture Scissors, serrated blade

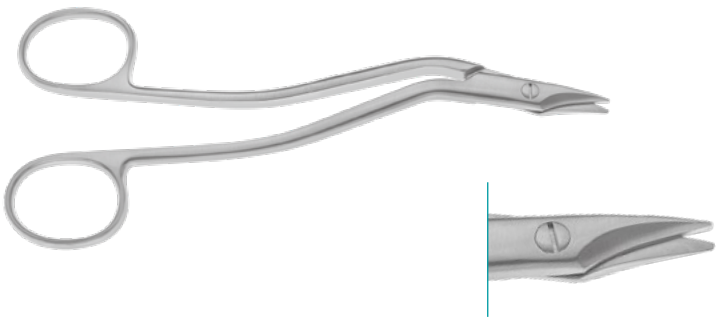
120mm, 4 3/4" 120-265-120



CUT ∅
HARD max. 0.6mm
SOFT max. 1.2mm

Universal Wire Scissors, one serrated blade, with TC inserts

120mm, 4 3/4" 120-565-120



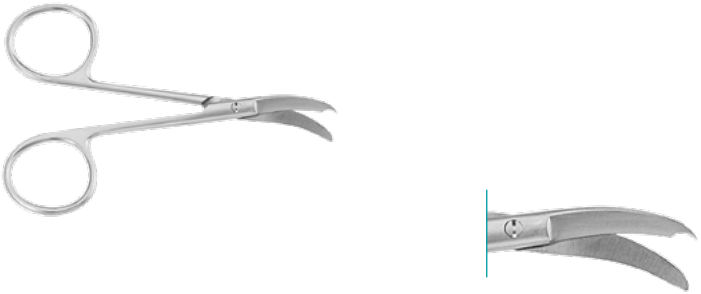
HEATH
Suture Scissors

160mm, 6 1/4" 120-226-160



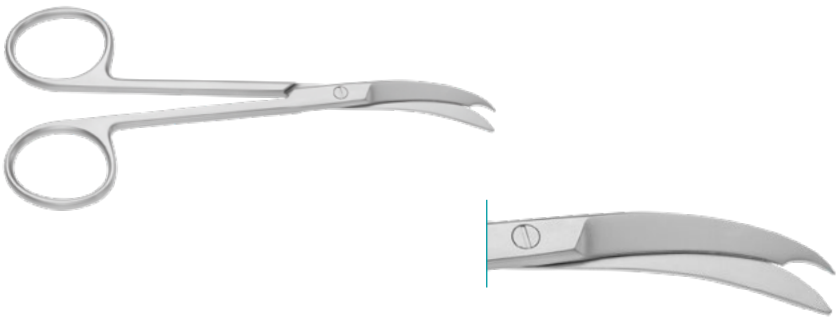
SPENCER
Suture Scissors

90mm, 3 1/2"	120-220-090
130mm, 5 1/8"	120-220-130



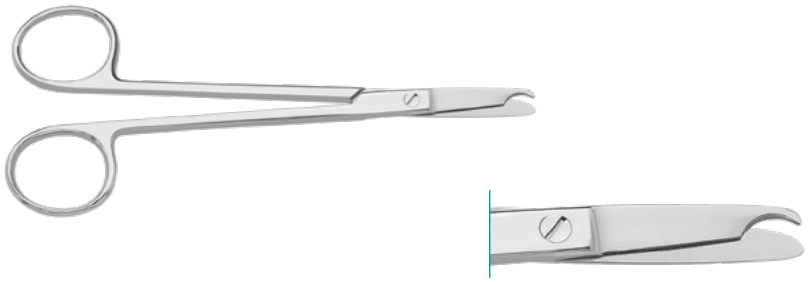
SHORTBENT
Suture Scissors

90mm, 3 1/2"	120-223-090



NORTHBENT
Suture Scissors

130mm, 5 1/8"	120-222-130



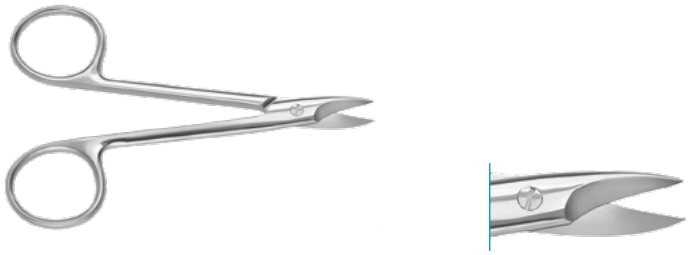
LITTAUER
Stitch Scissors

140mm, 5 1/2"	120-224-140



SPENCER
Suture Scissors

90mm, 3 1/2"	120-220-090
130mm, 5 1/8"	120-220-130

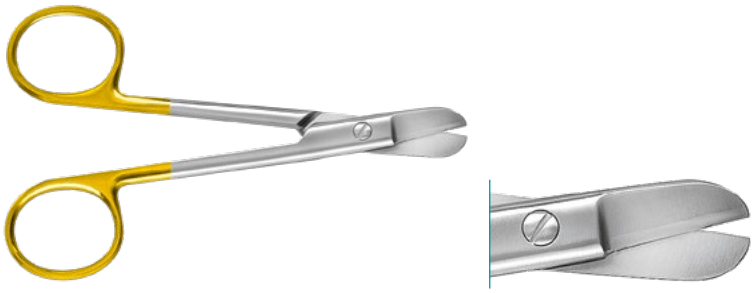


Suture Wire Scissors, serrated
straight

100mm, 4"	120-296-100

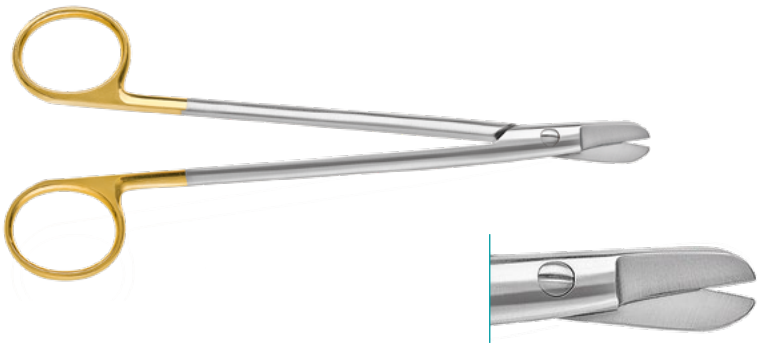
curved

100mm, 4"	120-297-100



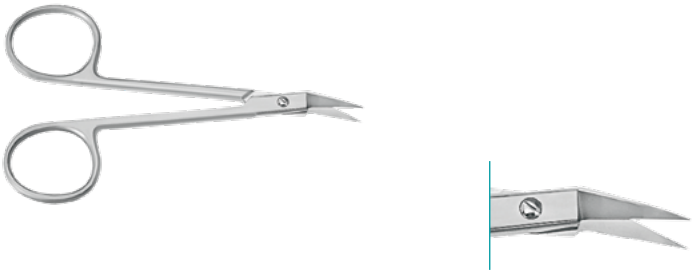
TC Plate Cutting Scissors

120mm, 4 3/4"	120-596-120



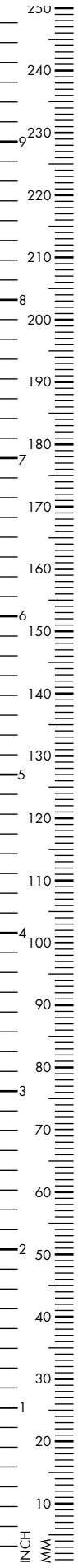
SMITH
TC Wire Scissors

160mm, 6 1/4"	120-570-160



O'BRIEN
Ligature Scissors, angled blade

95mm, 3 3/4"	120-084-095





UNNA
Comedo Extractor, round cup, double-ended

140mm, 5 1/2" 230-232-140



UNNA
Comedo Extractor, oval cup, double-ended

140mm, 5 1/2" 230-230-140



WALTON
Comedo Extractor, with protection cup, double-ended

140mm, 5 1/2" 230-240-140



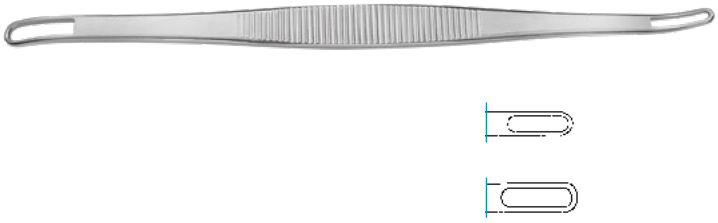
SAALFELD
Comedo Extractor, double-ended

100mm, 4"	230-239-100



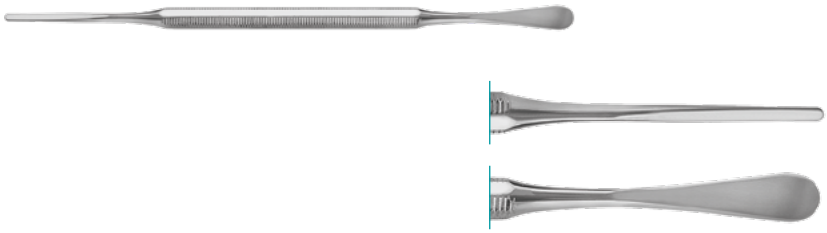
SAALFELD
Comedo Extractor, double-ended

140mm, $5^{1/2}$"	230-236-140



SCHAMBERG
Comedo Extractor, double-ended

100mm, 4"	230-238-100



Spatula-Packer, double-ended

135mm, 5 1/3"	503-013-000



FROST
Elevator, single-ended

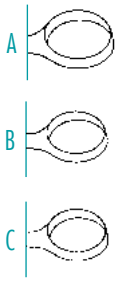
130mm, 5 1/8"	503-011-000



FOX
Lupus Curette, round, single-ended,
140mm, 5 1/2"

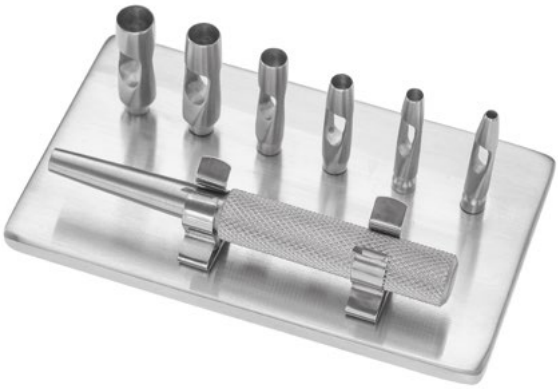
Ø 3mm	230-151-140
Ø 4mm	230-152-140
Ø 5mm	230-153-140
Ø 6mm	230-154-140



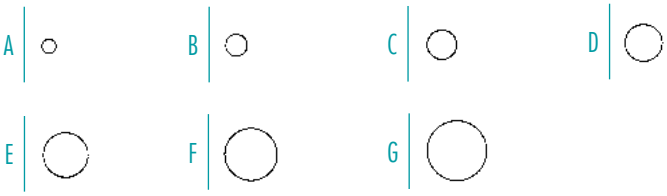


PIFFARD
Lupus Curette, 140mm, 5 1/2″

A	230-155-001
A	230-155-002
C	230-155-003







KEYES
Dermal Punch Set

Dermal Punch 120mm, 4 3/4″	230-160-000
A ∅ 2mm	230-160-002
B ∅ 3mm	230-160-003
C ∅ 4mm	230-160-004
D ∅ 5mm	230-160-005
E ∅ 6mm	230-160-006
F ∅ 7mm	230-160-007
G ∅ 8mm	230-160-008



Cuticle and Tissue Nipper, convex jaw

110mm, $4^{1/3}$″	510-250-110
130mm, $5^{1/8}$″	510-251-130



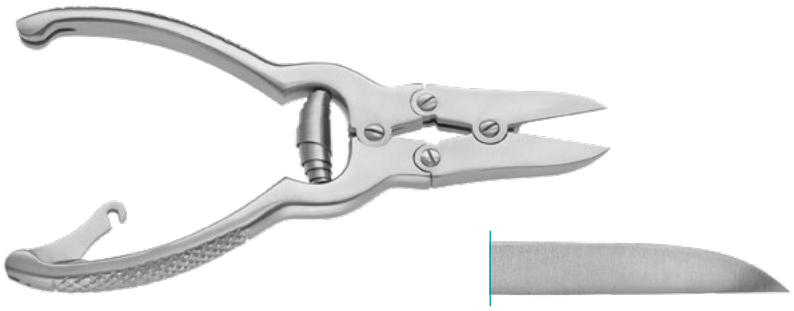
Nail Nipper, double spring, 140mm, $5^{1/2}$″

Concave jaw	510-210-140



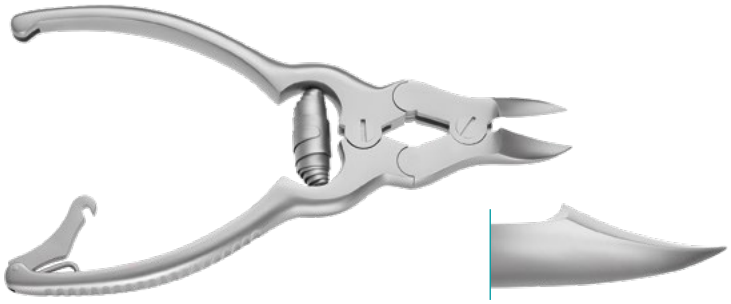
Nail Nipper, angled concave jaw, double spring

140mm, $5^{1/2}$″	510-215-140



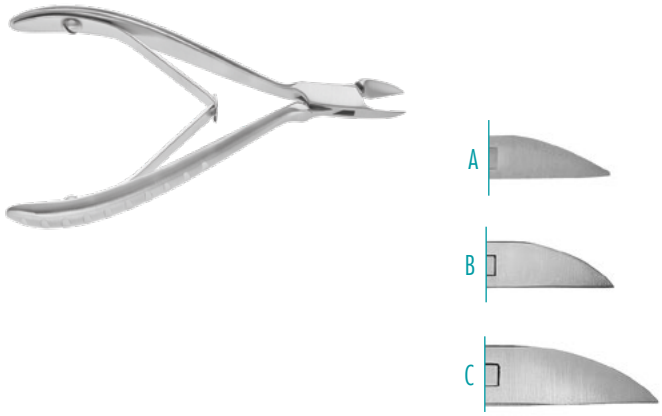
Mycotic Nail Nipper, straight,
heavy duty jaw, with lock, double action

160mm, 6 1/4"	510-337-160



Mycotic Nail Nipper, concave,
heavy duty jaw, with lock, double action

150mm, 6"	510-338-150



Nail Nipper, straight jaw, double spring

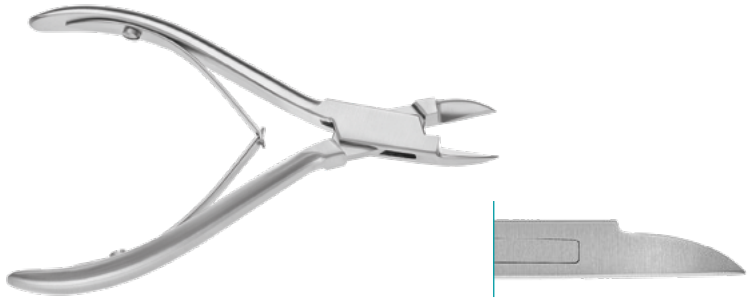
A 100mm, 4"	510-224-140

Delicate, straight jaw

B 110mm, 4 1/3"	510-225-142

straight jaw

C 130mm, 5 1/8"	510-226-140



Nail Nipper, straight jaw

130mm, 5 1/8"	510-347-130



Nail Nipper, concave jaw, spring handle with lock

150mm, 6"	510-332-150



RADOLF
Nail Extraction Forceps, narrow jaw
140mm, 5 1/2" 510-463-140



RADOLF
Nail Extraction Forceps, concave/convex jaw
135mm, 5 1/3" 510-462-130



Nail Extraction Forceps, duck shaped jaw
140mm, 5 1/2" 510-464-140



ANVIL
Nail Splitting Forceps

135mm, 5 1/3"	510-334-140



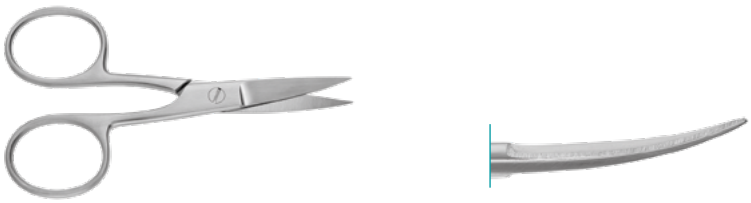
Finger Ring Saw, replaceable circular blade

160mm, 6 1/4"	210-975-170
Spare Blade	210-976-000



Mini Blade Handle, round blade socket, for mini blades

130mm, 5 1/8"	510-110-130



Nail Scissors, curved

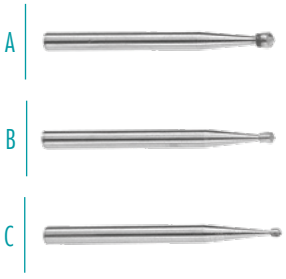
90mm, 3 1/2"	510-425-090



Ingrown Nail Splitting Scissors, one blade serrated, straight

150mm, 6"	500-380-150



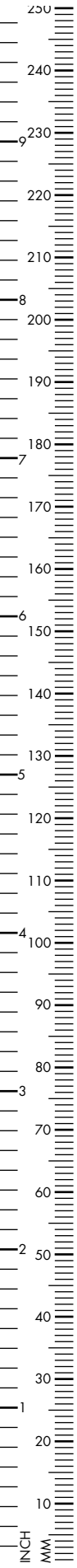


Finger Nail Drill, complete with 3 drill points

	510-460-000

Drill

A	510-460-001
B	510-460-002
C	510-460-003


250
240
230
220
210
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190
180
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120
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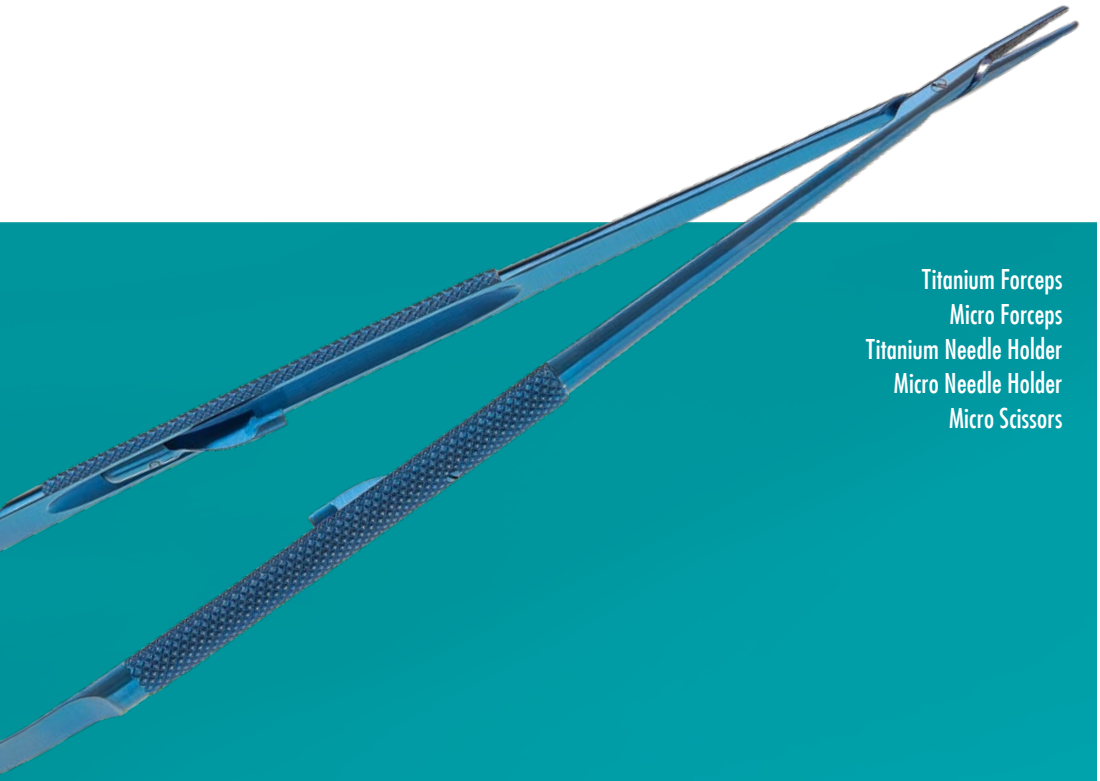
INCH
MM

MICROSURGICAL INSTRUMENTS



Titanium Forceps
Micro Forceps
Titanium Needle Holder
Micro Needle Holder
Micro Scissors



Titanium Micro Suture Tying Forceps
6mm platform, 8mm round handle
straight

120mm, 4 3/4"	250-364-280
150mm, 6"	250-364-284



Titanium Micro Ring Tip Forceps
8mm round handle with counter balance
1mm ring tip

150mm, 6"	250-764-715
180mm, 7"	250-764-718
210mm, 8 1/4"	250-764-721
230mm, 9"	250-764-723
254mm, 10"	250-764-725



Titanium Micro Ring Tip Forceps
8mm round handle
1mm ring tip

150mm, 6"	250-364-705
180mm, 7"	250-364-704

2mm ring tip

150mm, 6"	250-364-703
180mm, 7"	250-364-706
210mm, 8 1/4"	250-364-707

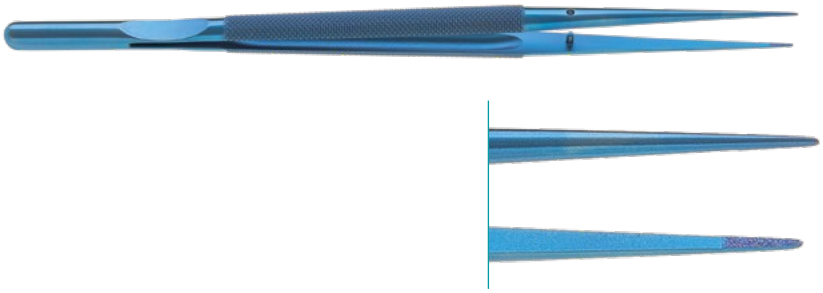


Titanium Micro Forceps
6mm platform, 8mm round handle
straight

180mm, 7"	250-364-286
210mm, 8 1/4"	250-364-276
230mm, 9"	250-364-270

curved

180mm, 7"	250-364-287
210mm, 8 1/4"	250-364-277
230mm, 9"	250-364-271



Titanium Micro Forceps
6mm platform, 8mm round handle
with counter balance, 0.8mm jaw, straight

180mm, 7"	250-364-250
210mm, 8 1/4"	250-364-252

curved

180mm, 7"	250-364-251
210mm, 8 1/4"	250-364-253



Titanium DeBakey Micro Forceps
1.2mm jaw, 8mm round handle, straight

150mm, 6"	250-164-699
180mm, 7"	250-164-701
210mm, 8 1/4"	250-164-703



GERALD
Titanium Micro Ring Tip Forceps
1.0mm ring, flat handle

180mm, 7"	130-734-180
200mm, 8"	130-734-200



GERALD
Titanium Forceps, 6mm platform
1.0mm tip, flat handle

180mm, 7"	130-735-180
200mm, 8"	130-735-200

1x2 teeth, delicate

180mm, 7"	130-728-180



GERALD
Titanium DeBakey Forceps
1.2mm tip, flat handle

180mm, 7"	130-726-180
200mm, 8"	130-726-200



Titanium DeBakey Vascular Forceps
wide flat handle, 1.0mm tip

160mm, 6 1/4"	130-881-160
200mm, 8"	130-881-200
240mm, 9 1/2"	130-881-240

1.5mm tip

160mm, 6 1/4"	130-882-160
200mm, 8"	130-882-200
240mm, 9 1/2"	130-882-240

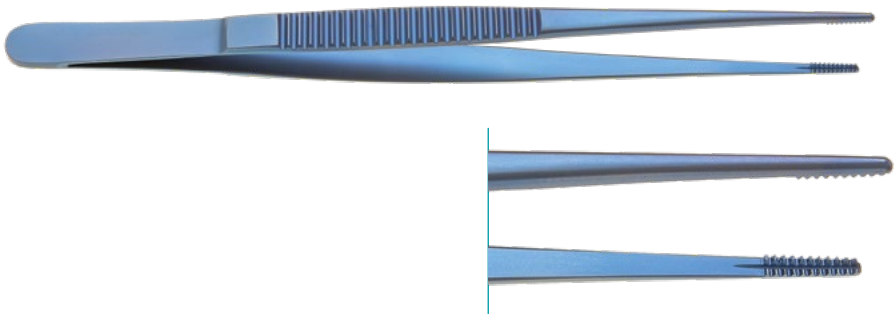
2.0mm tip

160mm, 6 1/4"	130-884-160
200mm, 8"	130-884-200
240mm, 9 1/2"	130-884-240



CUSHING
Titanium Forceps, serrated, fluted handle
1.0mm tip

175mm, 6 7/8"	130-736-180



RESANO
Titanium Valve Forceps, multiple teeth,
wide flat handle

230mm, 9"	130-830-230



Micro Ring Tip Forceps
8mm round handle,
1mm straight ring tip

150mm, 6"	250-264-705
180mm, 7"	250-264-709
210mm, 8 1/4"	250-264-708

2mm straight ring tip

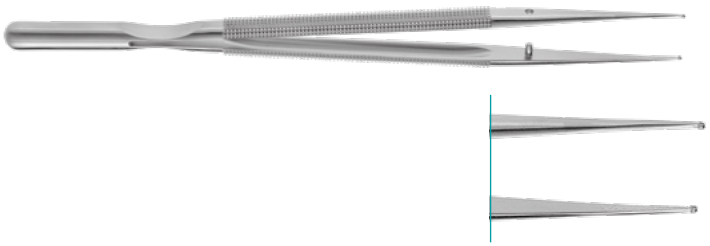
180mm, 7"	250-264-706
210mm, 8 1/4"	250-264-707

1mm straight ring tip, 10mm tying platform

180mm, 7"	250-264-701

1mm curved ring tip

210mm, 8 1/4"	250-264-703



Micro Ring Tip Forceps
8mm round handle with counter balance,
1mm straight ring tip

150mm, 6"	251-655-145
180mm, 7"	251-655-180
210mm, 8 1/4"	251-655-210
230mm, 9"	251-655-230

2mm straight ring tip

180mm, 7"	251-655-182

1mm curved ring tip

180mm, 7"	251-655-181
230mm, 9"	251-655-231



Micro Suture Tying Forceps
6mm platform, 8mm round handle
straight tip

120mm, 4 3/4"	250-264-280
140mm, 5 1/2"	250-264-284

curved tip

120mm, 4 3/4"	250-264-281
140mm, 5 1/2"	250-264-285



Micro Suture Tying Forceps,
6mm platform, 8mm round handle
0.8mm straight tip

180mm, 7"	250-265-180
210mm, 8 1/4"	250-267-210

straight tip with 1x2 teeth

180mm, 7"	250-265-182

curved tip

180mm, 7"	250-265-181
210mm, 8 1/4"	250-267-211



Micro Vascular Forceps, 9mm round handle
6mm platform tip with counter balance
straight tip

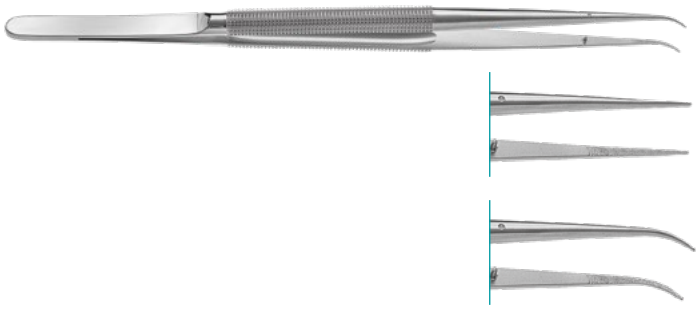
150mm, 6"	251-657-150
180mm, 7"	251-657-180
210mm, 8 1/4"	251-657-210
250mm, 9 7/8"	251-657-250

straight tip with 1x2 teeth

180mm, 7"	251-657-182

curved tip

180mm, 7"	251-657-181
210mm, 8 1/4"	251-657-211
250mm, 9 7/8"	251-657-251



Micro Vascular Tying Forceps
8mm round handle, 180mm, 7″

straight tip	250-264-250
curved tip	250-264-251



DEBAKEY
Micro Vascular Forceps
8mm round handle, 1mm tip

180mm, 7″	130-212-180
210mm, 8 1/4″	130-212-210



DEBAKEY
Micro Vascular Forceps
8mm round handle, 1mm tip
with counter balance

180mm, 7″	250-653-180
210mm, 8 1/4″	250-653-210



GERALD
Micro Vascular Forceps, straight
1mm cross-serrated step-down tip,
flat handle

180mm, 7″	130-020-180
200mm, 8″	130-020-200
250mm, 9 7/8″	130-020-250



GERALD
Micro Ring Tip Forceps
∅ 1.0 x 0.5mm ring, flat handle

180mm, 7″	130-724-180
200mm, 8″	130-724-200

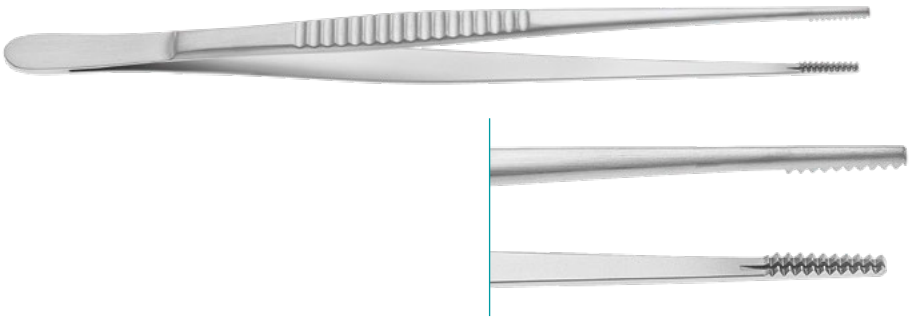


GERALD
Dressing Forceps, narrow
1mm step-down tip

180mm, 7″	130-022-180
200mm, 8″	130-022-200

with 6mm tying platform

180mm, 7″	130-731-180
200mm, 8″	130-731-200



RESANO
Valve Forceps, multi-toothed

230mm, 9″	130-530-230



DEBAKEY
Needle Pulling Forceps, gold plated
8mm round handle, 2.0mm tip

180mm, 7″	250-571-180

1.2mm tip

180mm, 7″	250-571-185
210mm, 8 1/4″	250-571-200



Micro Jeweller Forceps
0.3mm tip, 9mm wide handle
straight tip

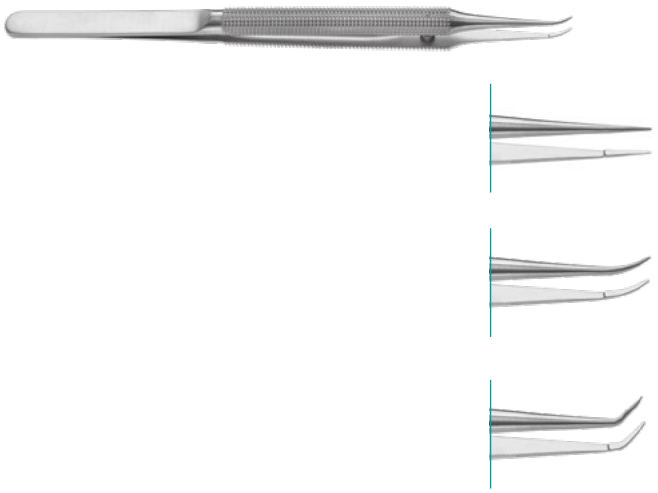
110mm, 4 1/3″	251-613-110
135mm, 5 1/3″	251-611-130

straight tip

110mm, 4 1/3″	251-713-110
135mm, 5 1/3″	251-711-130

45° angled tip

135mm, 5 1/3″	251-703-135



Micro Suture Tying Forceps
tip 0,3mm, smooth, 6mm tying platform,
stop pin, ∅8mm round handle,
120mm, 4 3/4″

straight	250-064-280
curved	250-064-281
angled	250-064-282
150mm, 6″	
straight	250-064-284
curved	250-064-285
180mm, 7″	
straight	250-064-286
curved	250-064-287
230mm, 9″	
straight	250-064-288
curved	250-064-289



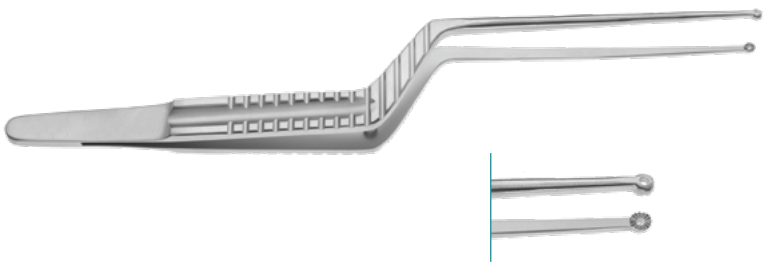
Micro Forceps, angled, 0.35mm

110mm, 4 1/3″	250-024-329



Micro Forceps, straight, 0.15mm

110mm, 4 1/3″	250-024-331



YASARGIL
Tumor Tissue Forceps, bayonet-shaped
∅ 3mm round cup

200mm, 8″	250-024-768





CASTROVIEJO
Suturing Forceps, 1x2 teeth, straight,
0.12mm, with tying platform, US-handle

110mm, 4 1/3"	400-137-021

0.3mm

110mm, 4 1/3"	400-137-031

0.5mm

110mm, 4 1/3"	400-137-055





BISHOP HARMON
Iris Forceps, 1x 2 teeth, straight,
85mm, 3 1/3"

0.3mm	400-118-003
0.4mm	400-118-004
0.5mm	400-118-005
0.8mm	400-118-008





CASTROVIEJO BROWN
Tissue Forceps, 9x9 teeth, US-handle

110mm, 4 1/3"	400-139-050



Micro Needle Holder with streamline box catch
8mm round handle
straight jaw, with catch

150mm, 6″	250-064-309

straight jaw, without catch

150mm, 6″	250-064-319

curved jaw, with catch

150mm, 6″	250-064-329



JACOBSON
Micro Needle Holder with streamline box catch
8mm round handle
straight, with catch

185mm, 7 1/4″	250-264-170
210mm, 8 1/4″	250-264-172
230mm, 9″	250-264-174

straight, with catch, 9mm round handle

250mm, 9 7/8″	250-264-176

straight, 8mm roeund handle, without catch

185mm, 7 1/4″	250-264-171
210mm, 8 1/4″	250-264-173
230mm, 9″	250-264-175

curved, with catch

185mm, 7 1/4″	250-264-177
210mm, 8 1/4″	250-264-178

curved, 9mm round handle, without catch

250mm, 9 7/8″	250-264-179



JACOBSON
Micro Needle Holder with regular box catch
8mm round handle
straight, with catch

185mm, 7 1/4"	250-264-100
210mm, 8 1/4"	250-264-102
230mm, 9"	250-264-104

straight, with catch, 9mm round handle

250mm, 9 7/8"	250-264-106

straight, without catch

185mm, 7 1/4"	250-264-101
210mm, 8 1/4"	250-264-103
230mm, 9"	250-264-105

curved, with catch

185mm, 7 1/4"	250-264-107
210mm, 8 1/4"	250-264-108

curved, without catch,
9mm round handle

250mm, 9 7/8"	250-264-109



JACOBSON
Needle Holder with streamline box catch
10mm round handle, for large needles

190mm, 7 1/2"	250-265-190
230mm, 9"	250-265-230
250mm, 9 7/8"	250-265-250



CASTROVIEJO
Micro Needle Holder with regular box catch
flat handle, straight, with catch

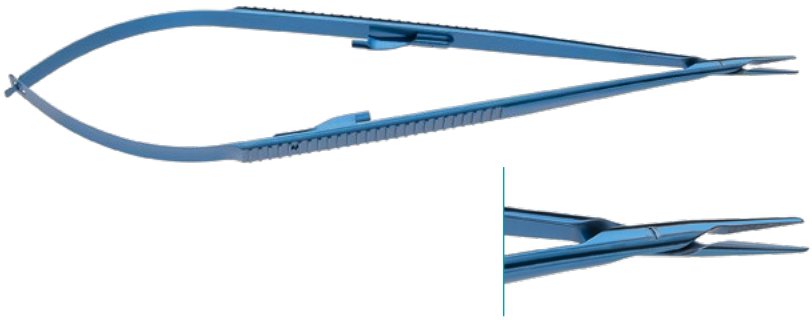
150mm, 6″	250-362-150
180mm, 7″	250-362-185
210mm, 8 1/4″	250-362-215
230mm, 9″	250-362-230

straight, without catch

185mm, 7 1/4″	250-364-185
210mm, 8 1/4″	250-364-215

curved, with catch

180mm, 7″	250-363-185
210mm, 8 1/4″	250-363-215

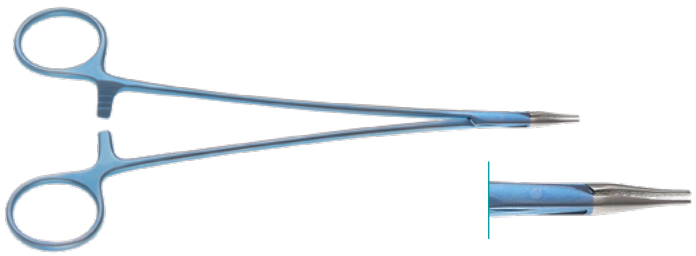


CASTROVIEJO
Micro Needle Holder with streamline box catch
flat handle, straight, with catch

180mm, 7″	250-362-160
210mm, 8 1/4″	250-362-162

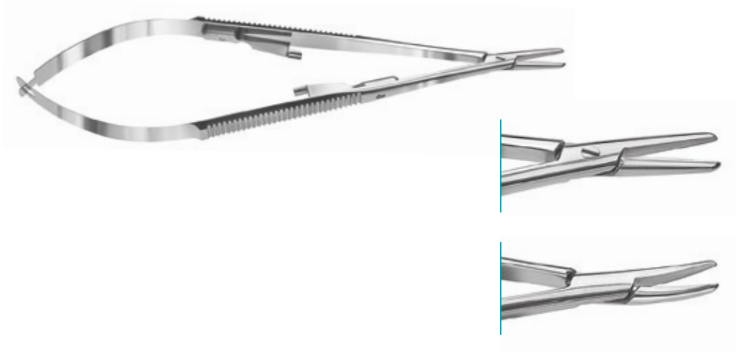
straight, without catch

180mm, 7″	250-362-161
210mm, 8 1/4″	250-362-163



EUFRAT PASQUE
Micro Needle Holder, dekicate jaw

150mm, 6″	180-662-150
170mm, 6 2/3″	180-662-170
190mm, 7 1/2″	180-662-190

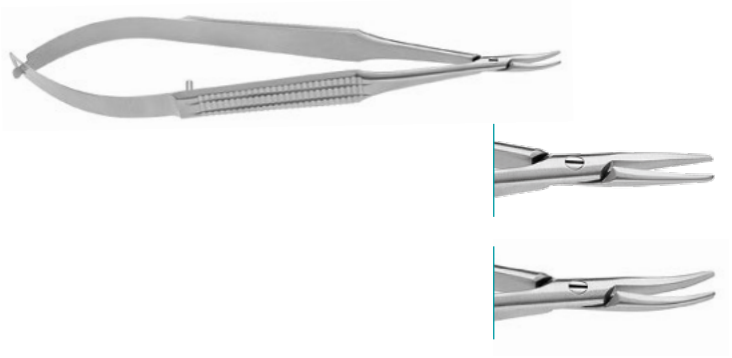


CASTROVIEJO
Micro Needle Holder, straight, smooth,
145mm, 5 3/4", flat handle
with catch

straight	250-020-563
curved	250-020-564

without catch

straight	250-020-565
curved	250-020-566



CASTROVIEJO
Micro Needle Holder,
straight, with catch, US-handle

140mm, 5 1/2"	250-064-076

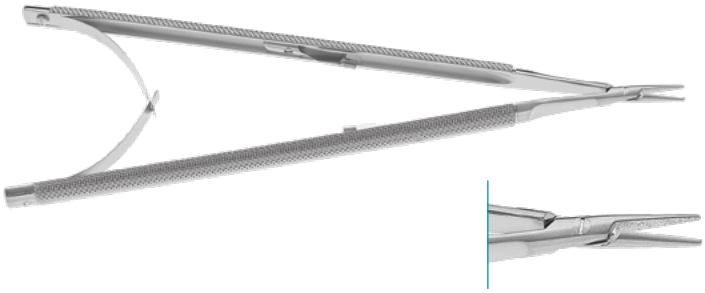
curved, without catch

140mm, 5 1/2"	250-064-079



JACOBSON
Micro Needle Holder,
round handle, straight, with catch

185mm, 7 1/4"	250-064-246
210mm, 8 1/4"	250-064-251



GLASSER
Micro Needle Holder,
with catch, straight

120mm, 4 3/4"	180-100-120
180mm, 7"	180-100-180
curved	
120mm, 4 3/4"	180-101-180



BARRAQUER
Micro Needle Holder
straight, ∅ 8mm round handle, smooth
without catch, 115mm, 4 1/2"

straight	250-064-230
curved	250-064-231
with catch	
straight	250-064-232
curved	250-064-233



BARRAQUER
Micro Needle Holder, 120mm, 4 3/4"
8mm round handle, straight

with catch	250-164-232
without catch	250-164-234
curved	
with catch	250-164-233
without catch	250-164-231



REILL
Micro Needle Holder, 150mm, 6"
8mm round handle, 1mm tip, straight

with catch	250-164-242
without catch	250-164-240
curved	
with catch	250-164-243
without catch	250-164-241



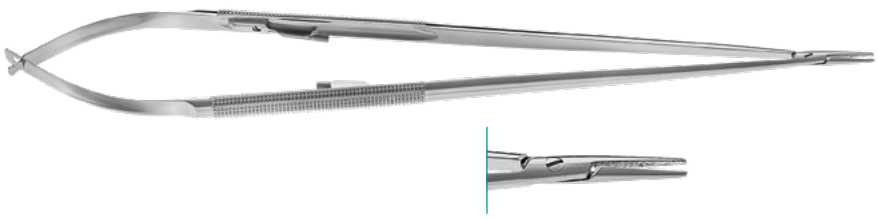
JACOBSON
Micro Needle Holder, 9mm round handle, 0.8mm tip, straight, 165mm, 6 1/2"

with catch	250-164-252
without catch	250-164-253
curved	
with catch	250-164-254



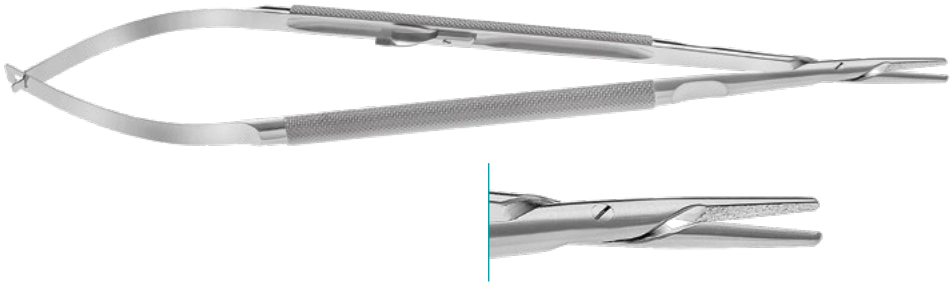
JACOBSON
Micro Needle Holder, regular box catch, 9mm round handle, 0.8mm tip, straight
with catch

180mm, 7"	250-264-246
210mm, 8 1/4"	250-264-210
230mm, 9"	250-264-230
straight, without catch	
180mm, 7"	250-264-248
210mm, 8 1/4"	250-264-211
230mm, 9"	250-264-231
curved, with catch	
180mm, 7"	250-264-247
210mm, 8 1/4"	250-264-212
230mm, 9"	250-264-232
curved, without catch	
180mm, 7"	250-264-249
210mm, 8 1/4"	250-264-213



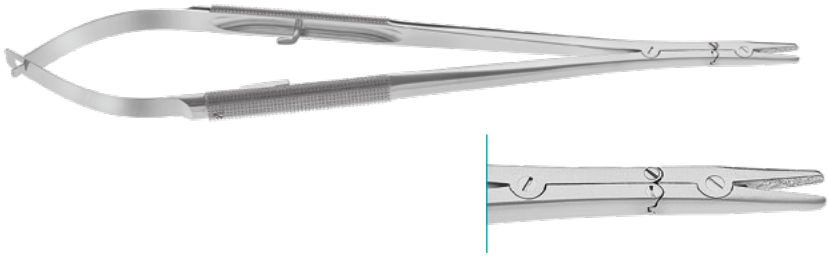
JACOBSON
Micro Needle Holder, regular box catch, 9mm round handle with short knurling, straight, 230mm, 9"

with catch	250-264-234
without catch	250-264-235
curved	
with catch	250-264-236



JACOBSON
Needle Holder, streamline box catch
10mm round handle for large needles
with catch, straight

190mm, 7 1/2"	250-018-190
230mm, 9"	250-018-230
250mm, 9 7/8"	250-018-250
curved	
230mm, 9"	250-019-230



GREGORY
Needle Holder, double action jaw,
10mm round handle with catch,
for large needles, TC Inserts, 2mm tip

180mm, 7"	180-880-180
210mm, 8 1/4"	180-880-210
diamond dusted jaw	
180mm, 7"	180-881-180
210mm, 8 1/4"	180-881-210



CASTROVIEJO
Micro Needle Holder, with catch
flat handle, 1mm tip, 140mm, 5 1/2"

straight	250-220-563
curved	250-220-564



CASTROVIEJO JACOBSON
Micro Needle Holder
flat handle, straight, with catch

180mm, 7″	250-264-049
210mm, 8 1/4″	250-264-060
230mm, 9″	250-264-062

straight, without catch

180mm, 7″	250-264-048

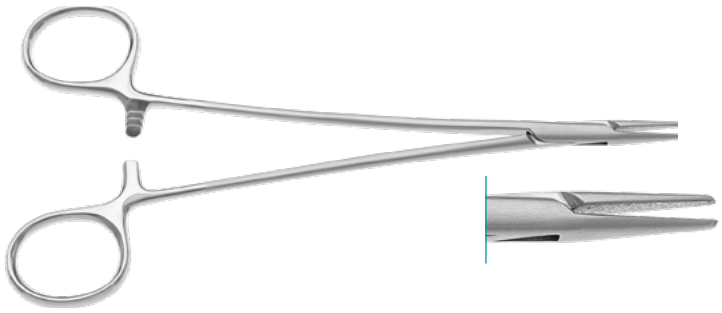
curved, without catch

180mm, 7″	250-264-051



LÖFFLER
Needle Holder, delicate, short jaw,
straight, ring handle

150mm, 6″	180-755-150
180mm, 7″	180-755-180
200mm, 8″	180-755-200
230mm, 9″	180-755-230



DEBAKEY
Needle Holder, straight, ring handle

180mm, 7″	180-648-180
200mm, 8″	180-648-200
230mm, 9″	180-648-230

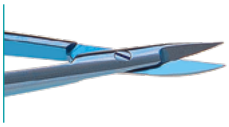




Micro Scissors, 9mm blades, 120mm, 4 3/4"
7mm round handle, straight

sharp blades	250-060-120
blunt blades	250-060-121
curved	
sharp blades	250-061-120





JACOBSON
Micro Scissors, 9mm sharp blades
8mm round handle, straight

150mm, 6"	250-360-150
180mm, 7"	250-360-180
210mm, 8 1/4"	250-360-210
230mm, 9"	250-360-230
curved	
180mm, 7"	250-360-181



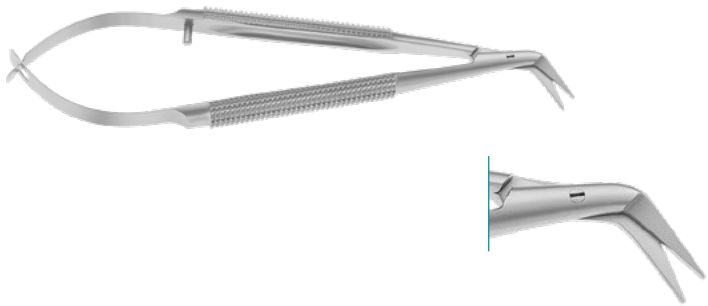




Micro Coronary Scissors, 180mm, 7"
10mm sharp angled blades
8mm round handle, 25°

with ball tip	250-360-025
without ball tip	250-360-125
45°	
with ball tip	250-360-045
without ball tip	250-360-145
60°	
with ball tip	250-360-060
without ball tip	250-360-160
90°	
with ball tip	250-360-090
without ball tip	250-360-190
125°	
with ball tip	250-360-325
without ball tip	250-360-225







JACOBSON

Micro Scissors, 14mm blades
8mm round handle,
straight, 145mm, 5 3/4"

sharp blades	250-060-145
blunt blades	250-062-145

straight, 180mm, 7"

sharp blades	250-060-180

curved, 145mm, 5 3/4"

sharp blades	250-061-145
blunt blades	250-063-145

curved, 180mm, 7"

sharp blades	250-061-180

9mm round handle, straight, sharp blades

210mm, 8 1/4"	250-060-210
230mm, 9"	250-060-230

9mm round handle, curved, sharp blades

210mm, 8 1/4"	250-061-210
230mm, 9"	250-061-230

CASTROVIEJO

Micro Scissors, 115mm, 4 1/2"
8mm round handle
angled fine blades, 10mm

25°	250-060-115
45°	250-061-115
60°	250-062-115
90°	250-063-115
125°	250-064-115

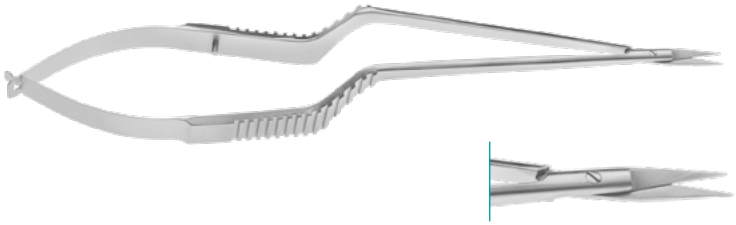
angled micro blades, 7mm

25°	250-060-215
45°	250-061-215
60°	250-062-215
90°	250-063-215
125°	250-065-215

NOYES

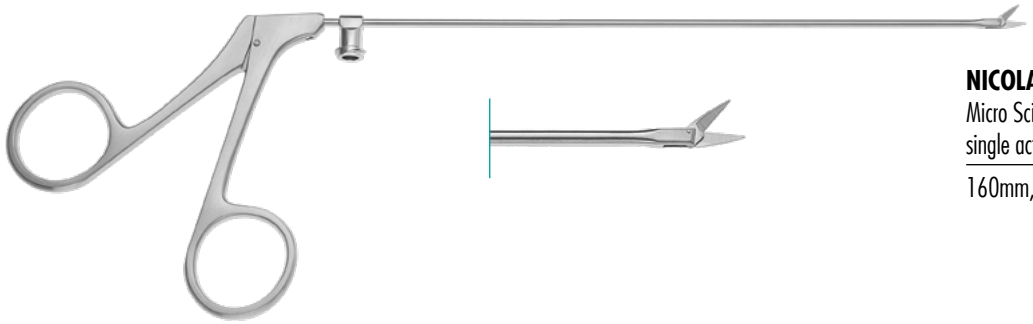
Iridectomy Scissors, straight
110mm, 4 1/3"

blunt/blunt	400-120-050
blunt/sharp	400-120-051
sharp/sharp	400-120-052



Micro Scissors (Spring Type)
bayonet-shaped, straight

190mm, $7^{1/2}$" 250-064-105



NICOLA
Micro Scissors, straight, sharp/sharp,
single action, with Luer-Catch

160mm, $6^{1/4}$" 250-064-226



VANNAS
Micro Scissors, wide handle, angled

120mm, $4^{3/4}$" 250-064-011

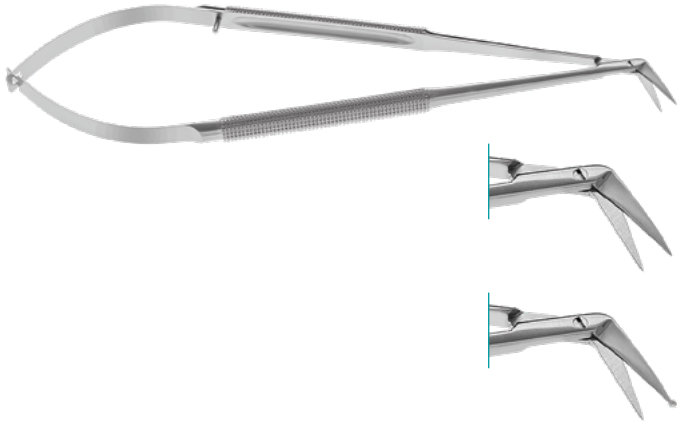


JACOBSON
Micro Coronary Scissors, 160mm, 6 1/4"
sharp blades, 8mm round handle
7mm micro blades, angled

25°	120-164-025
45°	120-164-045
60°	120-164-060
90°	120-164-090
125°	120-164-125

10mm micro blades, angled

25°	120-164-225
45°	120-164-245
60°	120-164-260
90°	120-164-290
125°	120-164-325

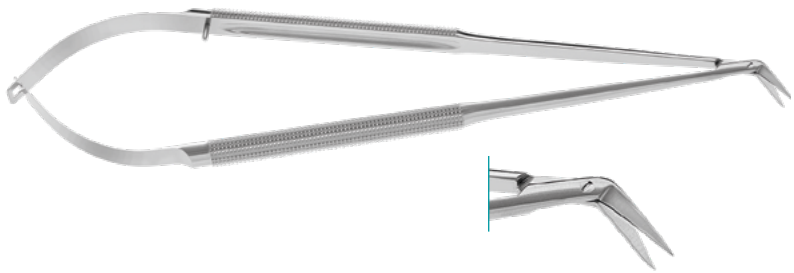


JACOBSON
Micro Coronary Scissors, 180mm, 7"
14mm blades, 8mm round handle
sharp blades

25°	120-184-225
45°	120-184-245
60°	120-184-260
90°	120-184-290
125°	120-184-325

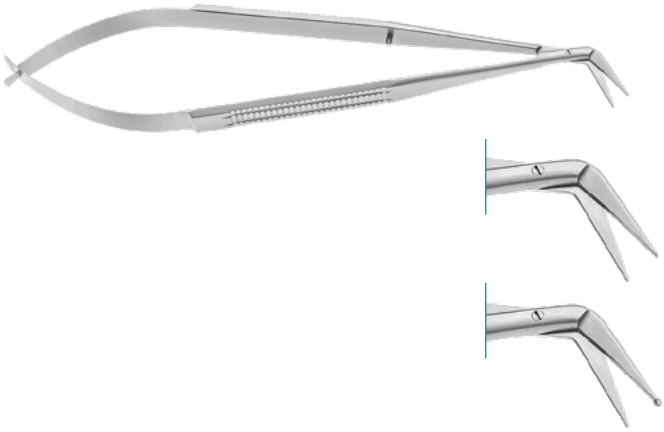
ball tip blade

25°	120-184-425
45°	120-184-445
60°	120-184-460
90°	120-184-490
125°	120-184-525



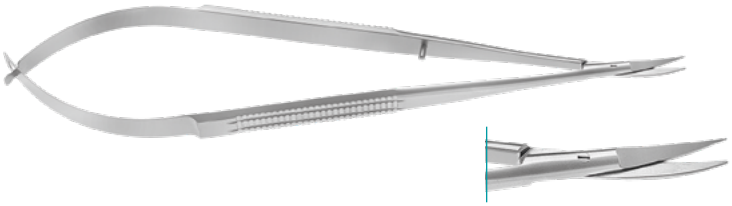
JACOBSON
Micro Coronary Scissors, 210mm, 8 1/4"
14mm sharp blades, 8mm round handle

25°	120-210-025
45°	120-210-045
60°	120-210-060
90°	120-210-090
125°	120-210-125



JACOBSON
Micro Coronary Scissors, 165mm, 6 1/2″
14mm blades, flat handle

sharp tip	
25°	120-184-025
45°	120-184-045
60°	120-184-060
90°	120-184-090
125°	120-184-125
ball tip	
25°	120-183-025
45°	120-183-045
60°	120-183-060
90°	120-183-090
125°	120-183-125



JACOBSON
Micro Scissors, flat handle, 180mm, 7″
sharp tip

straight	120-150-185
curved	120-151-185



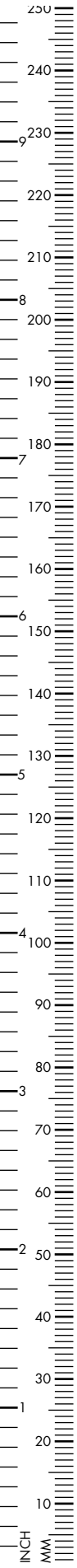
WESTCOTT
Micro Scissors, flat handle, 115mm, 4 1/2″

sharp/sharp	400-102-110
blunt/blunt	400-103-110

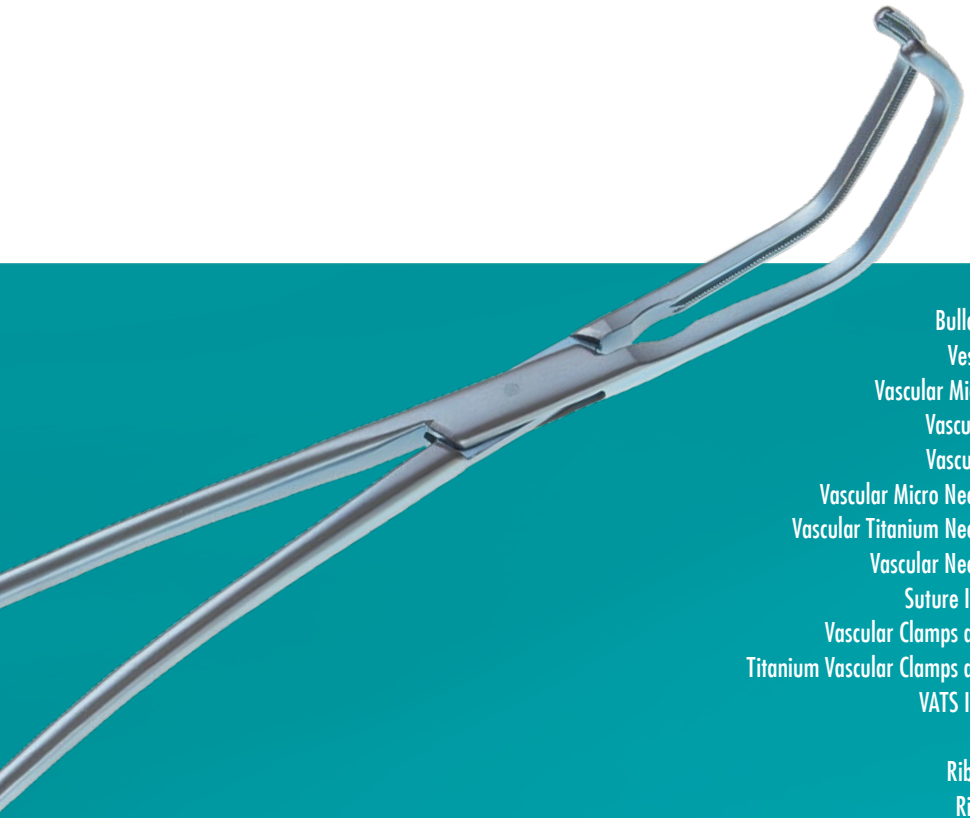


VANNAS
Capsultomy Scissors, flat handle, 85mm, 3 1/3″

staight	400-842-085
curved	400-843-085
angled up	400-844-085


250
240
230
220
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
9
8
7
6
5
4
3
2
1
INCH
MM

THORACIC & VASCULAR SURGERY



Bulldog Clamps
Vessel Clamps
Vascular Micro Scissors
Vascular Scissors
Vascular Forceps
Vascular Micro Needle Holder
Vascular Titanium Needle Holder
Vascular Needle Holder
Suture Instruments
Vascular Clamps and Forceps
Titanium Vascular Clamps and Forceps
VATS Instruments
Rib Shears
Rib Raspatory
Rib Spreader
Phlebectomy Instruments
Vessel Probes
Dilators
Intima Instruments
Tourniquets
Aortic Punches
Probes and Retractors



DIEFFENBACH
Bulldog Clamp, stainless steel,
extra delicate serrations, straight

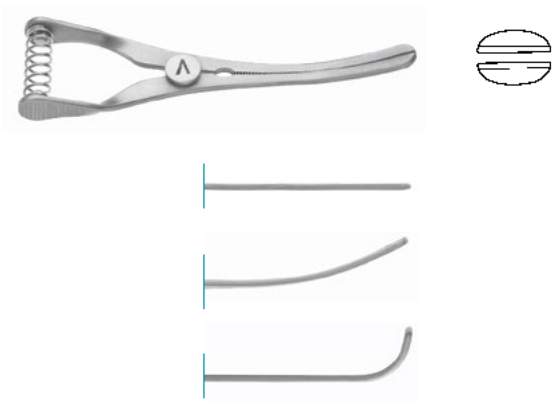
35mm	140-114-035
40mm	140-114-040
50mm	140-114-050
60mm	140-114-060
curved	
35mm	140-115-035
40mm	140-115-050
50mm	140-115-055
60mm	140-115-060



JOHNS HOPKINS
Bulldog Clamp, stainless steel, straight

38mm	140-050-038
48mm	140-050-050
56mm	140-050-057
63mm	140-050-063
70mm	140-050-070
80mm	140-050-076
90mm	140-050-090
curved	
38mm	140-051-038
48mm	140-051-050
56mm	140-051-057
63mm	140-051-063
70mm	140-051-070
80mm	140-051-076
90mm	140-051-090

Suitable for Applying Forceps: 140-152-230



CLOSING PRESSURE

V (Vein): 110g (±10g)
A (Artery): 220g (±10g)

Ti

MINI GLOVER
Bulldog Clamp, Titanium
very delicate serrations, straight

(V) 30mm/9mm	140-116-030
(A) 30mm/9mm	140-116-130
(V) 35mm/13mm	140-116-035
(A) 35mm/13mm	140-116-135
(V) 40mm/14mm	140-116-040
(A) 40mm/14mm	140-116-140
(V) 50mm/23mm	140-116-050
(A) 50mm/23mm	140-116-150

slightly curved

(V) 30mm/9mm	140-117-030
(A) 30mm/9mm	140-117-130
(V) 35mm/13mm	140-117-035
(A) 35mm/13mm	140-117-135
(V) 40mm/14mm	140-117-040
(A) 40mm/14mm	140-117-140
(V) 50mm/23mm	140-117-050
(A) 50mm/23mm	140-117-150

strongly curved

(V) 30mm/9mm	140-118-030
(A) 30mm/9mm	140-118-130
(V) 35mm/13mm	140-118-035
(A) 35mm/13mm	140-118-135
(V) 40mm/14mm	140-118-040
(A) 40mm/14mm	140-118-140
(V) 50mm/23mm	140-118-050
(A) 50mm/23mm	140-118-150

Ss

MINI GLOVER
Bulldog Clamp, Stainless Steel
very delicate serrations, straight

(V) 30mm/9mm	140-130-030
(A) 30mm/9mm	140-130-130
(V) 35mm/13mm	140-130-035
(A) 35mm/13mm	140-130-135
(V) 40mm/14mm	140-130-040
(A) 40mm/14mm	140-130-140
(V) 50mm/23mm	140-130-050
(A) 50mm/23mm	140-130-150

slightly curved

(V) 30mm/9mm	140-131-030
(A) 30mm/9mm	140-131-130
(V) 35mm/13mm	140-131-035
(A) 35mm/13mm	140-131-135
(V) 40mm/14mm	140-131-040
(A) 40mm/14mm	140-131-140
(V) 50mm/23mm	140-131-050
(A) 50mm/23mm	140-131-150

strongly curved

(V) 30mm/9mm	140-132-030
(A) 30mm/9mm	140-132-130
(V) 35mm/13mm	140-132-035
(A) 35mm/13mm	140-132-135
(V) 40mm/14mm	140-132-040
(A) 40mm/14mm	140-132-140
(V) 50mm/23mm	140-132-050
(A) 50mm/23mm	140-132-150

Suitable for Applying Forceps: 140-130-240



DEBAKEY
Bulldog Clamp, stainless steel,
delicate atraumatic serrations, straight

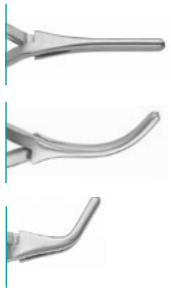
75mm	140-120-075
85mm	140-120-085
100mm	140-120-105
120mm	140-120-120
curved	
75mm	140-119-075
85mm	140-119-085
100mm	140-119-105
120mm	140-119-120

COOLEY
Bulldog Clamp, stainless steel,
Cooley serrations, straight

75mm	290-440-075
85mm	290-440-085
100mm	290-440-100
120mm	290-440-120
curved	
75mm	290-441-075
85mm	290-441-085
100mm	290-441-100
120mm	290-441-120

Suitable for Applying Forceps: 140-152-250





CLOSING PRESSURE

Debakey: 180g (±10g)
Diethrich: 50g (±10g)

DEBAKEY DIETHRICH
Micro Coronary Bulldog Clamp, stainless steel,
atraumatic serrations, straight

10mm/45mm	290-120-010
14mm/50mm	290-120-014
20mm/60mm	290-120-020

curved	
10mm/45mm	290-122-010
14mm/50mm	290-122-014
20mm/60mm	290-122-020

angled	
10mm/35mm	290-121-010
14mm/45mm	290-121-014
20mm/60mm	290-121-020

DIETHRICH
Micro Coronary Bulldog Clamp, stainless steel,
straight

8mm/45mm	140-125-080
12mm/50mm	140-125-120
20mm/60mm	140-125-200

curved	
8mm/45mm	140-122-080
12mm/50mm	140-122-120
20mm/60mm	140-122-200

angled	
8mm/35mm	140-121-080
12mm/45mm	140-121-120
20mm/60mm	140-121-200





DIETHRICH
Micro Coronary Bulldog Clamp, stainless steel,
without serrations, straight

8mm/45mm	140-008-045
12mm/50mm	140-012-050
20mm/60mm	140-020-060

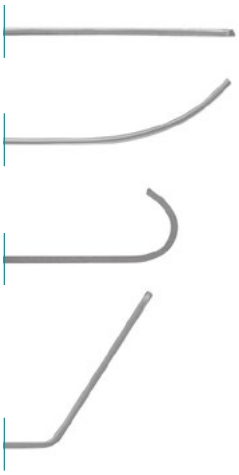
curved

8mm/45mm	140-208-045
12mm/50mm	140-212-050
20mm/60mm	140-220-060

angled

8mm/35mm	140-108-045
12mm/45mm	140-112-050
20mm/60mm	140-120-060





WELDON
Bulldog Clamp, stainless steel,
very delicate serrations, straight

35mm	140-013-035
45mm	140-022-045

slightly curved

35mm	140-015-035
45mm	140-023-045

strongly curved

35mm	140-016-035
45mm	140-024-045

angled

35mm	140-017-035
45mm	140-025-045



CLOSING PRESSURE
adjustable

DEBAKEY GLOVER
Bulldog Clamp, stainless steel,
delicate atraumatic serrations, straight

20mm/60mm	140-130-060
30mm/75mm	140-130-070
43mm/90mm	140-130-090
56mm/110mm	140-130-110

curved

20mm/60mm	140-131-060
30mm/75mm	140-131-070
43mm/90mm	140-131-090
56mm/110mm	140-131-110

angled

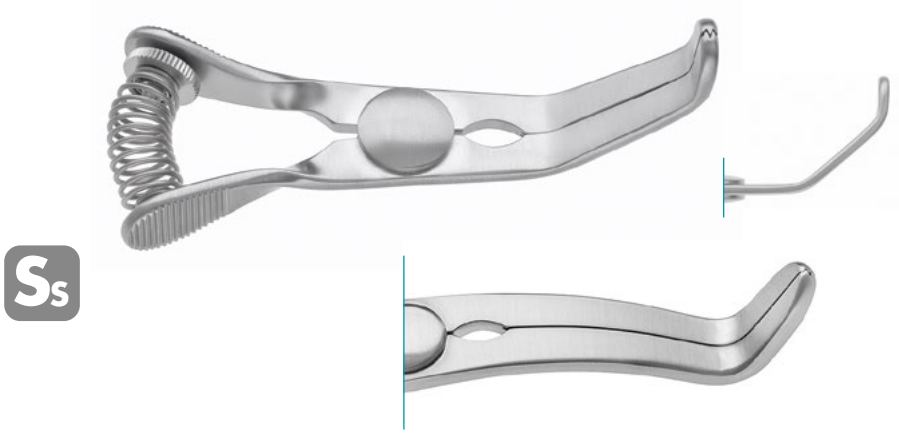
27mm/55mm	140-132-060

COOLEY GLOVER
Bulldog Clamp, stainless steel,
Cooley serrations, straight

20mm/60mm	290-432-060
30mm/75mm	290-432-075
43mm/90mm	290-432-090
56mm/110mm	290-432-110

curved

20mm/60mm	290-433-060
30mm/75mm	290-433-075
43mm/90mm	290-433-090
56mm/110mm	290-433-110

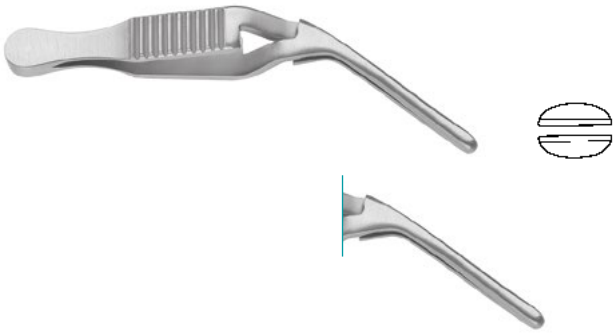


CLOSING PRESSURE
adjustable

DEBAKEY GLOVER SATINSKY
Bulldog Clamp, stainless steel,
delicate atraumatic serrations,
double angulation

38mm/70mm	140-133-060
63mm/100mm	140-133-100

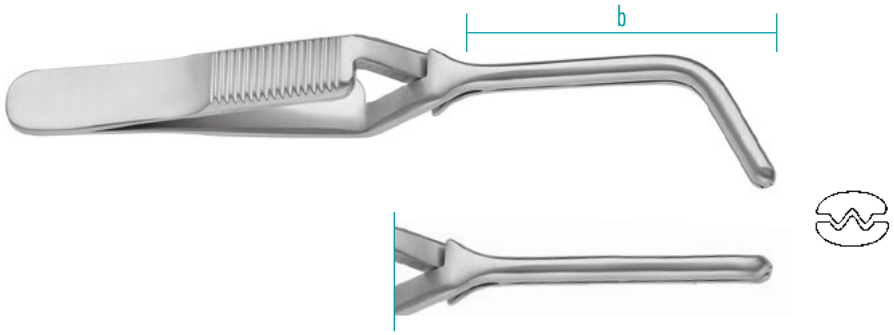
Ss



HESS
Bulldog Clamp, stainless steel,
delicate serrations, angled

20mm jaw	140-056-020
30mm jaw	140-056-030

Ss

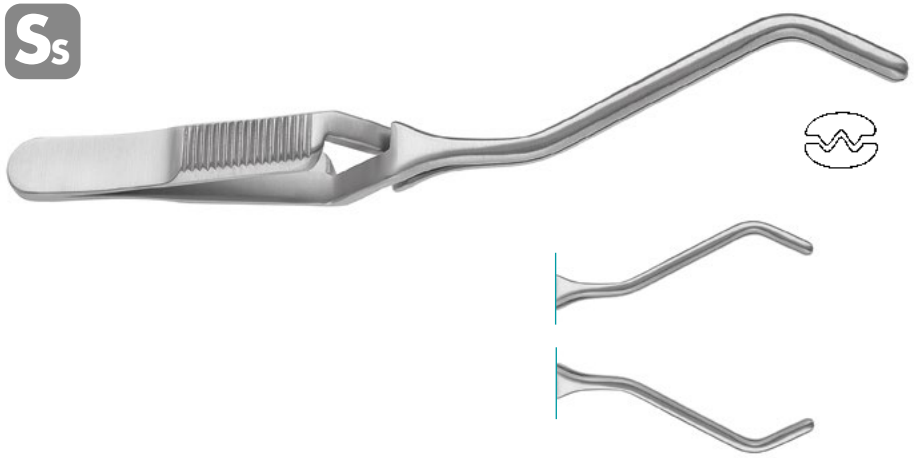


DEBAKEY GREGORY SOFT
Bulldog Clamp, stainless steel,
delicate atraumatic serrations, straight

Total length: 90mm b = 27mm	140-015-090
Total length: 110mm b = 44mm	140-015-110

angled

Total length: 90mm b = 55mm	140-014-090
Total length: 110mm b = 60mm	140-014-110



DEBAKEY GREGORY
Bulldog Clamp, stainless steel,
delicate atraumatic serrations, left angled

Total length: 110mm	140-014-025

right angled

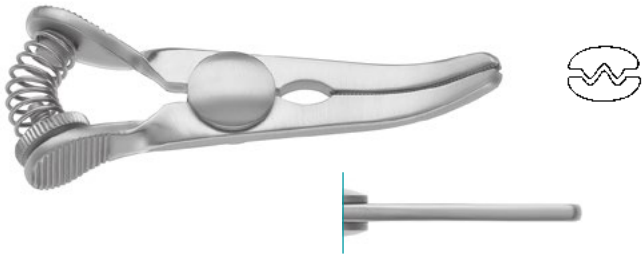
Total length: 110mm	140-114-025



DEBAKEY SANTULLI
Bulldog Clamp, stainless steel,
delicate atraumatic serrations, curved

Total length: 70mm	140-135-070

Ss

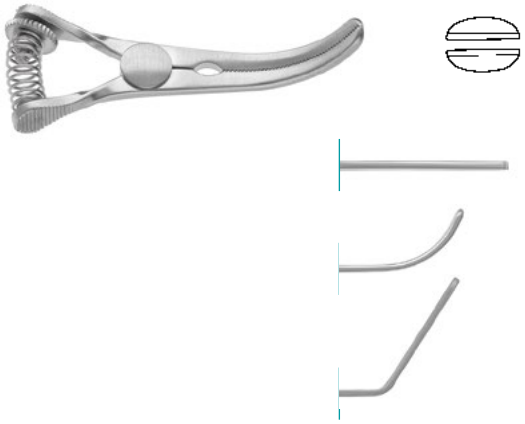


CLOSING PRESSURE
adjustable

DEBAKEY GLOVER DELICATE
Bulldog Clamp, stainless steel,
extra delicate atraumatic serrations, straight

20mm/50mm	290-410-050

Ss

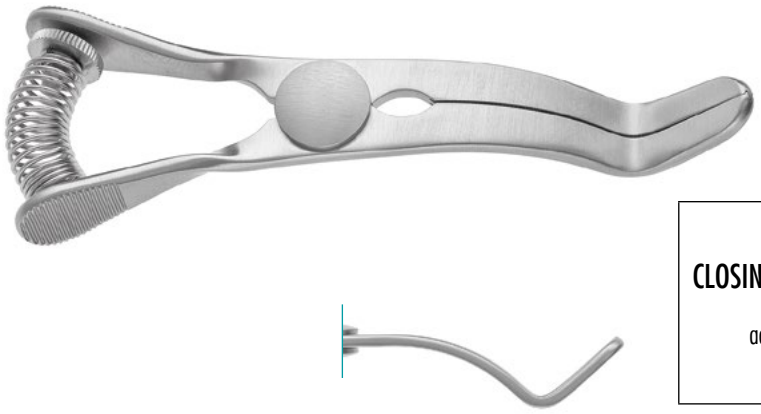


CLOSING PRESSURE
adjustable

POTTS (JACOBSON)
Bulldog Clamp, stainless steel,
very delicate serrations, 45mm

straight	290-410-045
curved	290-411-045
angled	290-412-045

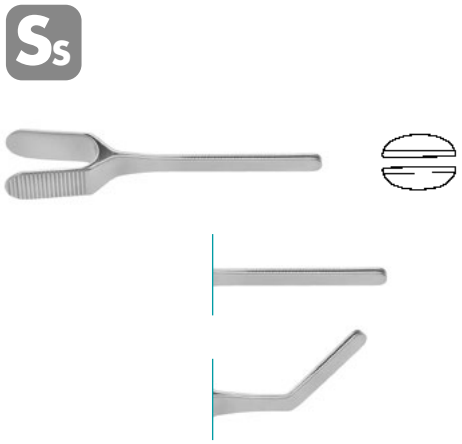
Ss



CLOSING PRESSURE
adjustable

DEBAKEY CAROTID
Bulldog Clamp, stainless steel,
delicate atraumatic serrations, special curved

90mm	140-133-095

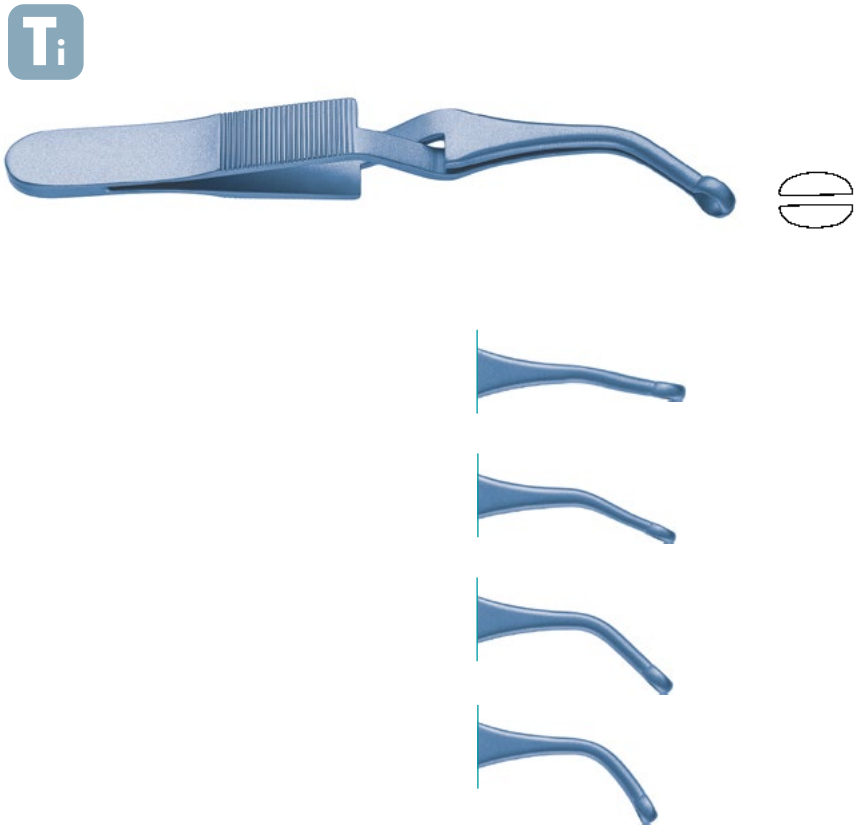


CLOSING PRESSURE

30g

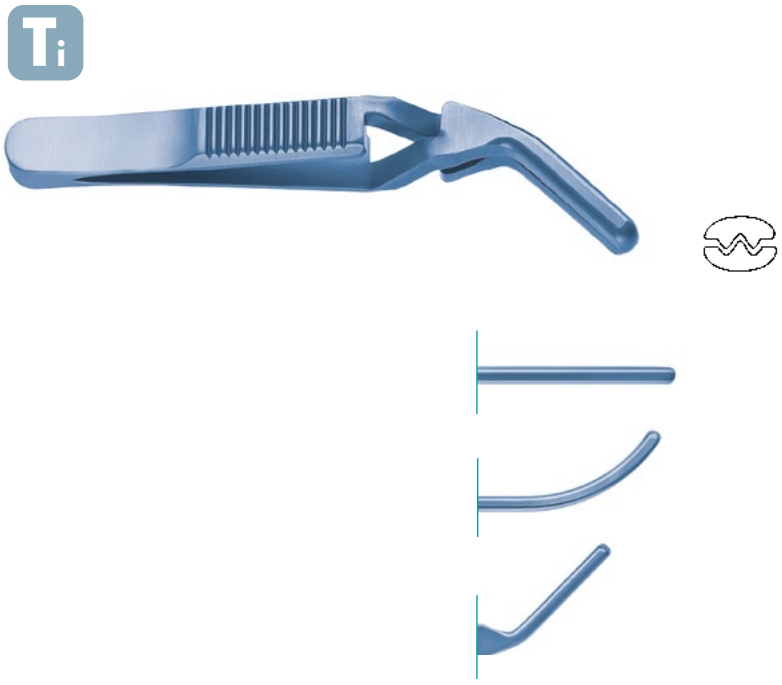
FEATHERLIGHT
Bulldog Clamp, stainless steel,
very delicate serrations, straight

10mm/30mm	140-310-030
14mm/35mm	140-314-035
18mm/40mm	140-318-040
angled	
10mm/30mm	140-410-030
14mm/35mm	140-414-035
18mm/40mm	140-418-040



TITANIUM SHUNT
Bulldog Clamp, titanium,
smooth jaw without any serrations,
95mm, 3 3/4", 10Fr

10°	290-795-010
25°	290-795-025
45°	290-795-045
60°	290-795-060
12Fr	
10°	290-795-210
25°	290-795-225
45°	290-795-245
60°	290-795-260
14Fr	
10°	290-795-410
25°	290-795-425
45°	290-795-445
60°	290-795-460



DEBAKEY ATRAUMA TITANIUM
Bulldog Clamp, titanium,
extra delicate atraumatic serrations,
straight

70mm	290-740-070
80mm	290-740-080
90mm	290-740-090
100mm	290-740-100
110mm	290-740-110
120mm	290-740-120
130mm	290-740-130

curved

70mm	290-743-070
80mm	290-743-080
90mm	290-743-090
100mm	290-743-100
110mm	290-743-110
120mm	290-743-120
130mm	290-743-130

angled

70mm	290-745-070
80mm	290-745-080
90mm	290-745-090
100mm	290-745-100
110mm	290-745-110
120mm	290-745-120
130mm	290-745-130





DEBAKEY DIETHRICH

Bulldog Clamp, titanium,
extra delicate atraumatic serrations, straight

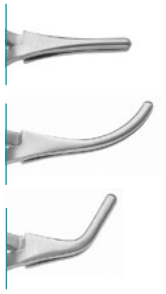
straight		curved		angled	
10mm	290-760-010	10mm	290-762-010	10mm	290-761-010
14mm	290-760-014	14mm	290-762-014	14mm	290-761-014
20mm	290-760-020	20mm	290-762-020	20mm	290-761-020

DIETHRICH

Extra delicate serrations, straight

straight		curved		angled	
8mm	140-760-008	8mm	140-762-008	8mm	140-761-008
12mm	140-760-012	12mm	140-762-012	12mm	140-761-012
20mm	140-760-020	20mm	140-762-020	20mm	140-761-020





CLOSING PRESSURE

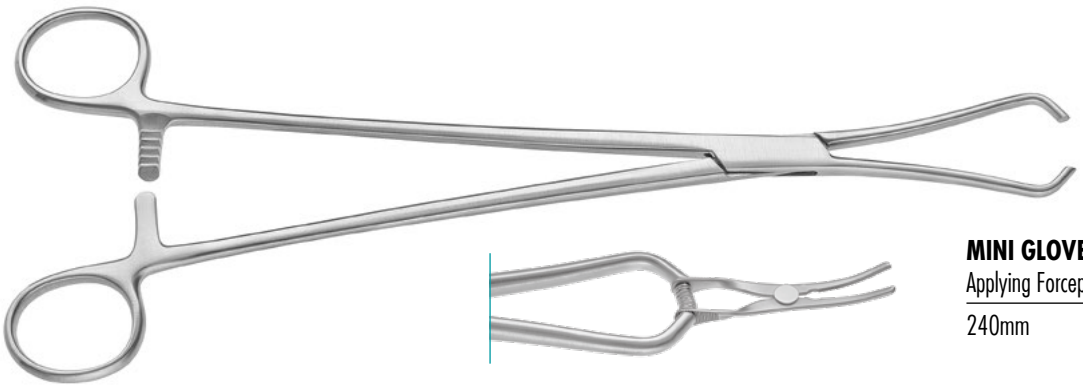
150g (±10g)

WICKHAM

Bulldog Clamp, stainless steel,
very delicate serrations, straight

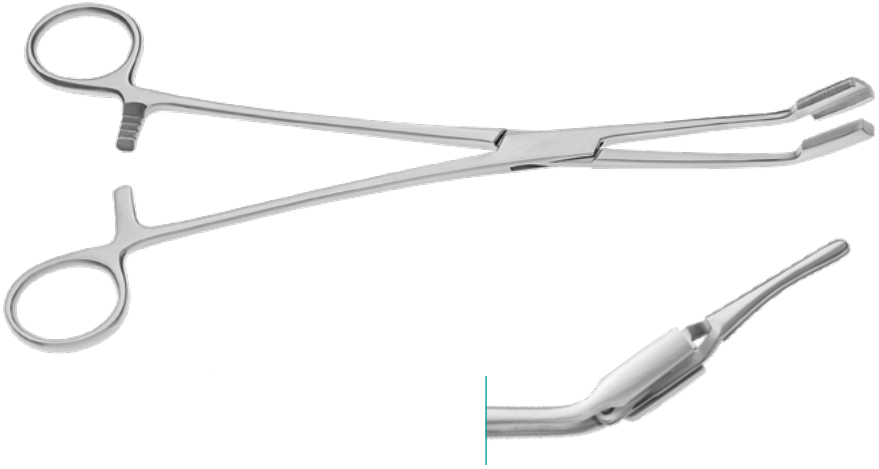
straight		curved		angled	
13mm/49mm	140-108-013	13mm/47mm	140-109-013	13mm/48mm	140-110-013
18mm/54mm	140-108-018	18mm/51mm	140-109-018	18mm/52mm	140-110-018
25mm/61mm	140-108-025	25mm/65mm	140-109-025	25mm/49mm	140-110-026

Suitable for Applying Forceps: 140-108-230



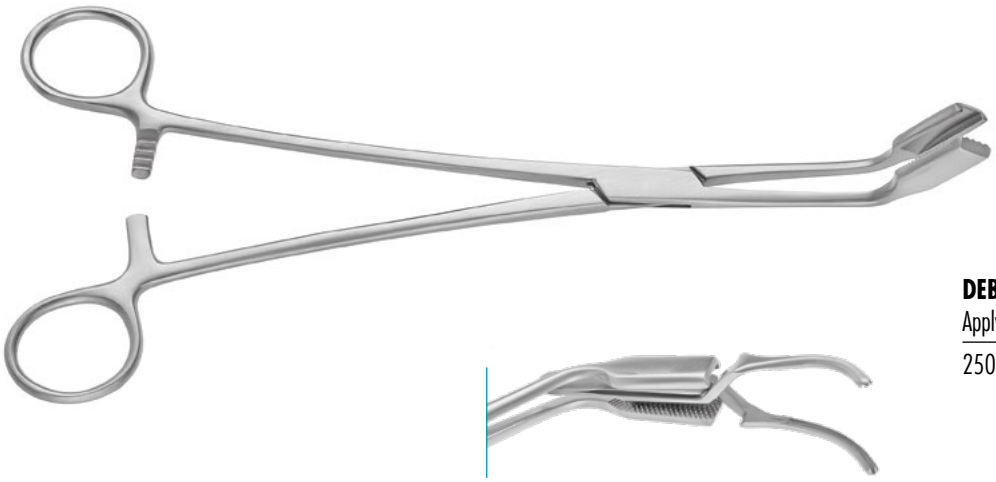
MINI GLOVER
Applying Forceps

240mm	140-130-240



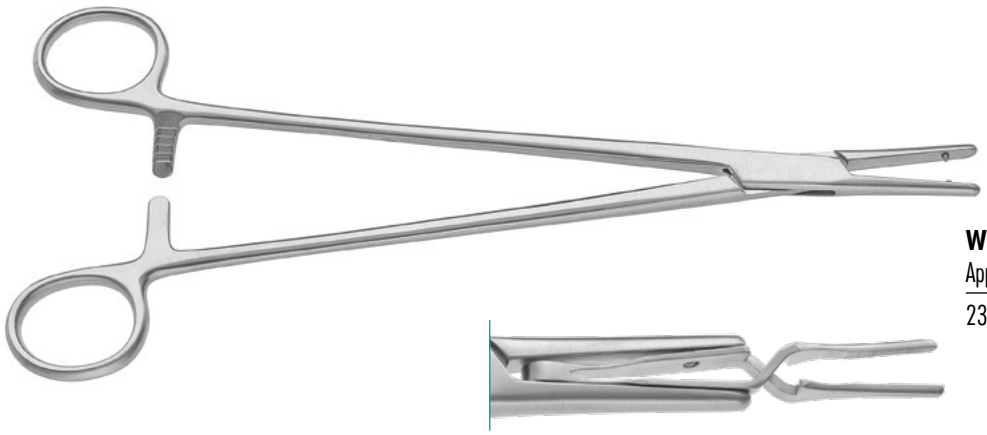
JOHNS HOPKINS
Applying Forceps

230mm	140-152-230



DEBAKEY ATRAUMA
Applying Forceps

250mm	140-152-250



WICKHAM
Applying Forceps

230mm	140-108-230



CLOSING PRESSURE
300 - 375g

Titanium Bulldog Clamp, straight,
Code V (Vein), blue

17mm jaw	300-100-773TV
25mm jaw	300-100-774TV
45mm jaw	300-100-771TV
60mm jaw	300-100-772TV



CLOSING PRESSURE
475 - 500g

Titanium Bulldog Clamp, straight,
Code A (Artery), red

17mm jaw	300-100-773TA
25mm jaw	300-100-774TA
45mm jaw	300-100-771TA
60mm jaw	300-100-772TA



Vascular Bulldog Clamp, curved

17mm jaw	300-100-776
25mm jaw	300-100-777
45mm jaw	300-100-778
60mm jaw	300-100-779



CLOSING PRESSURE
450 - 475g

Vascular Bulldog Clamp, straight

17mm jaw	300-100-773
25mm jaw	300-100-774
45mm jaw	300-100-771
60mm jaw	300-100-772



CLOSING PRESSURE
450 - 475g

SATINSKY
Vascular Bulldog Clamp, upwards angled

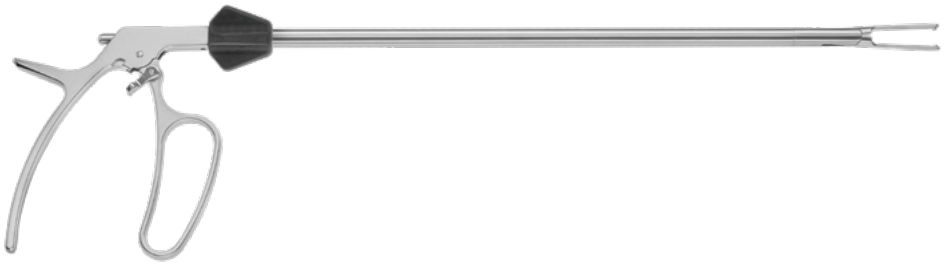
60mm jaw	300-100-786



CLOSING PRESSURE
450 - 475g

SATINSKY
Vascular Bulldog Clamp

60mm jaw	300-100-789



Endoscopic Bulldog Clamp Applier, detachable, 10mm, rotating

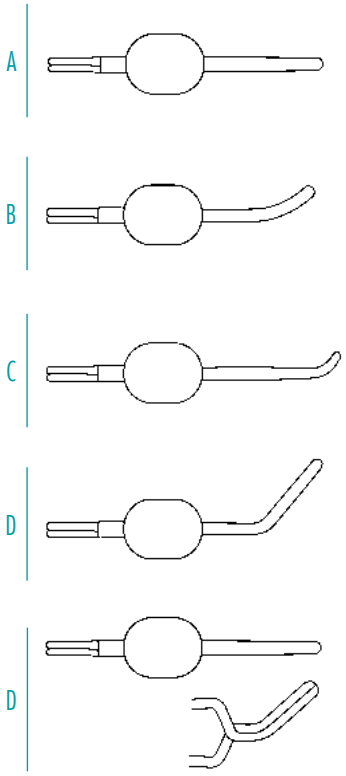
330mm, 13"	300-410-775



Endoscopic Bulldog Clamp Applier, detachable (insert only)

	300-401-775





MÜLLER

Vessel Clip, atraumatic, 50g closing pressure

straight	250-065-010
curved	250-065-011
curved tip	250-065-012
angled to side	250-065-013
knee-bent	250-065-014

80g closing pressure

straight	250-065-020
curved	250-065-021
curved tip	250-065-022
angled to side	250-065-023
knee-bent	250-065-024



MÜLLER
Vessel Clip, atraumatic, straight

250g closing pressure	250-065-030
350g closing pressure	250-065-040



MÜLLER
Vessel Clip, atraumatic, angled

250g closing pressure	250-065-031
350g closing pressure	250-065-041



MÜLLER
Vessel Clip, atraumatic, curved

250g closing pressure	250-065-032
350g closing pressure	250-065-042



MÜLLER
Vessel Clip, atraumatic, knee bent

250g closing pressure	250-065-034
350g closing pressure	250-065-044

SINGLE CLAMPS (PACKED IN PAIRS)



FIG. 1	8mm, Vessel ∅ 0.3-1.0mm
(A) matt	270-001-001
(A) black	270-001-101
(V) matt	270-101-001
(V) black	270-101-101



FIG. 2	11mm, Vessel ∅ 0.6-1.4mm
(A) matt	270-001-002
(A) black	270-001-102
(V) matt	270-101-002
(V) black	270-101-102



FIG. 3	16mm, Vessel ∅ 1.0-2.2mm
(A) matt	270-001-003
(A) black	270-001-103
(V) matt	270-101-003
(V) black	270-101-103



FIG. 4	24mm, Vessel ∅ 1.5-3.3mm
(A) matt	270-001-004
(A) black	270-001-104
(V) matt	270-101-004
(V) black	270-101-104



FIG. 5	35mm, Vessel ∅ 2.0-5.0mm
(A) matt	270-001-005
(A) black	270-001-105
(V) matt	270-101-005
(V) black	270-101-105

DOUBLE CLAMPS APPROXIMATOR, ADJUSTABLE



FIG. 1	8mm, Vessel ∅ 0.3-1.0mm
(A) matt	270-002-001
(A) black	270-002-101
(V) matt	270-102-001
(V) black	270-102-101



FIG. 2	11mm, Vessel ∅ 0.6-1.4mm
(A) matt	270-002-002
(A) black	270-002-102
(V) matt	270-102-002
(V) black	270-102-102



FIG. 3	16mm, Vessel ∅ 1.0-2.2mm
(A) matt	270-002-003
(A) black	270-002-103
(V) matt	270-102-003
(V) black	270-102-103



FIG. 4	24mm, Vessel ∅ 1.5-3.3mm
(A) matt	270-002-004
(A) black	270-002-104
(V) matt	270-102-004
(V) black	270-102-104



FIG. 5	35mm, Vessel ∅ 2.0-5.0mm
(A) matt	270-002-005
(A) black	270-002-105
(V) matt	270-102-005
(V) black	270-102-105

DOUBLE CLAMPS APPROXIMATOR WITH FRAME, ADJUSTABLE



FIG. 1	8mm, Vessel ∅ 0.3-1.0mm
(A) matt	270-003-001
(A) black	270-003-101
(V) matt	270-103-001
(V) black	270-103-101



FIG. 2	11mm, Vessel ∅ 0.6-1.4mm
(A) matt	270-003-002
(A) black	270-003-102
(V) matt	270-103-002
(V) black	270-103-102



FIG. 3	16mm, Vessel ∅ 1.0-2.2mm
(A) matt	270-003-003
(A) black	270-003-103
(V) matt	270-103-003
(V) black	270-103-103



DOUBLE CLAMPS WITH FRAME



FIG. 1	8mm, Vessel ∅ 0.3-1.0mm
(A) matt	270-004-001
(A) black	270-004-101
(V) matt	270-104-001
(V) black	270-104-101



FIG. 2	11mm, Vessel ∅ 0.6-1.4mm
(A) matt	270-004-002
(A) black	270-004-102
(V) matt	270-104-002
(V) black	270-104-102



FIG. 3	16mm, Vessel ∅ 1.0-2.2mm
(A) matt	270-004-003
(A) black	270-004-103
(V) matt	270-104-003
(V) black	270-104-103

CLAMP APPLYING FORCEPS

140mm, 5 1/2", without ratchet, straight	
For Fig. 1+2	270-103-140
For Fig. 3	270-104-160

with ratchet, straight	
For Fig. 1+2	270-108-140
For Fig. 3	270-105-160

without ratchet, 30° angled	
For Fig. 1+2	270-104-140
For Fig. 3	270-106-140

with ratchet, 30° angled	
For Fig. 1+2	270-105-140
For Fig. 3	270-107-140

RZ DC-SINGLE CLAMP, ARTERY (PACKED IN PAIRS)



8mm, Vessel ∅ 0.3-1.0mm	
(A) matt	270-005-001
(A) black	270-005-101
(V) matt	270-105-001
(V) black	270-105-101



11mm, Vessel ∅ 0.6-1.4mm	
(A) matt	270-005-002
(A) black	270-005-102
(V) matt	270-105-002
(V) black	270-105-102



16mm, Vessel ∅ 1.0-2.2mm	
(A) matt	270-005-003
(A) black	270-005-103
(V) matt	270-105-003
(V) black	270-105-103

RADIAL CLAMPS



RZ-1	8mm, Vessel ∅ 0.3-1.0mm
matt	270-010-001
black	270-110-001



RZ-2	11mm, Vessel ∅ 0.6-1.4mm
matt	270-010-002
black	270-110-002



RZ-6	16mm, Vessel ∅ 1.0-2.2mm
matt	270-010-003
black	270-110-003



RZ-6	
8mm, Vessel ∅ 0.3-1.0mm, straight	
(A) matt	270-010-004
(A) black	270-110-004



BIEMER
Micro Approximator
jaw length: 6mm, opening: 4mm

250-064-571



BIEMER MÜLLER
Approximator, 9mm jaw,
25-30g closing pressure

straight	250-064-611
angled	250-064-612



BIEMER
Vessel Clip, jaw opening 4.0mm
Length of jaw 6.0mm

30-40g closing pressure	250-064-560

Jaw opening 5.0mm
Length of jaw 9.0mm

30-40g closing pressure	250-064-561

Jaw opening 5.0mm
Length of jaw 9.0mm

20-25g closing pressure	250-064-562





BIEMER
Applying Forceps, 145mm, $5^{3/4}$"

without lock	250-064-568
with lock	250-064-569

DOUBLE CLAMPS APPROXIMATOR WITH FRAME, ADJUSTABLE



Fig. 1, 8mm, Vessel ∅ 0.3 - 0.8mm	
(A) matt	270-003-201
(V) matt	270-103-201
Fig. 2, 11mm, Vessel ∅ 0.6 - 1.4mm	
(A) matt	270-003-202
(V) matt	270-103-202
Fig. 3, 16mm, Vessel ∅ 1.0 - 2.2mm	
(A) matt	270-003-203
(V) matt	270-103-203

DOUBLE CLAMPS WITH FRAME



Fig. 1, 8mm, Vessel ∅ 0.3 - 0.8mm	
(A) matt	270-004-201
(V) matt	270-104-201
Fig. 2, 11mm, Vessel ∅ 0.6 - 1.4mm	
(A) matt	270-004-202
(V) matt	270-104-202
Fig. 3, 16mm, Vessel ∅ 1.0 - 2.2mm	
(A) matt	270-004-203
(V) matt	270-104-203

MICRO VASCULAR SINGLE CLAMPS (PACKED IN PAIRS)

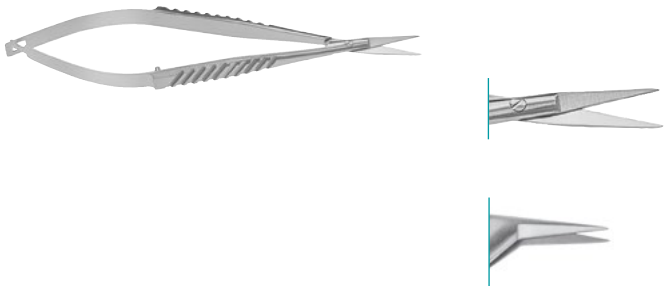


Fig. 1, 8mm, Vessel ∅ 0.3 - 0.8mm	
(A) matt	270-001-201
(V) matt	270-101-201
Fig. 2, 11mm, Vessel ∅ 0.6 - 1.4mm	
(A) matt	270-001-202
(V) matt	270-101-202
Fig. 3, 16mm, Vessel ∅ 1.0 - 2.2mm	
(A) matt	270-001-203
(V) matt	270-101-203
Fig. 4, 24mm, Vessel ∅ 1.5 - 3.3mm	
(A) matt	270-001-204
(V) matt	270-101-204
Fig. 5, 35mm, Vessel ∅ 2.0 - 4.0mm	
(A) matt	270-001-205
(V) matt	270-101-205

DOUBLE CLAMPS APPROXIMATOR, ADJUSTABLE

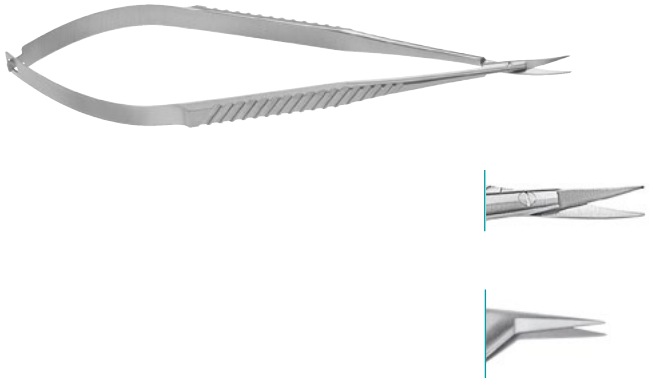


Fig. 1, 8mm, Vessel ∅ 0.3 - 0.8mm	
(A) matt	270-002-201
(V) matt	270-102-201
Fig. 2, 11mm, Vessel ∅ 0.6 - 1.4mm	
(A) matt	270-002-202
(V) matt	270-102-202
Fig. 3, 16mm, Vessel ∅ 1.0 - 2.2mm	
(A) matt	270-002-203
(V) matt	270-102-203
Fig. 4, 24mm, Vessel ∅ 1.5 - 3.3mm	
(A) matt	270-002-204
(V) matt	270-102-204
Fig. 5, 35mm, Vessel ∅ 2.0 - 5.0mm	
(A) matt	270-002-205
(V) matt	270-102-205



Adventitia Scissors, flat handle, straight	
110mm, 4 1/3"	
13mm jaw	251-550-100
19mm jaw	251-550-110
150mm, 6"	
15mm jaw	251-554-150
19mm jaw	251-550-150
19mm jaw (nerve)	251-552-150
180mm, 7"	
20mm jaw	251-550-180
20mm jaw (nerve)	251-552-180

Adventitia Scissors, flat handle, 45° angled, 150mm, 6"	
8mm jaw	251-563-150
45° angled, 180mm, 7"	
12mm jaw	251-563-180



Dissecting Scissors, flat handle, curved	
110mm, 4 1/3"	
13mm jaw	251-551-100
19mm jaw	251-551-110
20mm jaw (Westcott)	251-551-111
150mm, 6"	
15mm jaw	251-555-150
19mm jaw	251-551-150
19mm jaw (nerve)	251-553-150
22mm jaw (Westcott)	251-551-151
180mm, 7"	
20mm jaw	251-551-180
20mm jaw (nerve)	251-553-181
20mm (Westcott)	251-551-181

Dissecting Scissors, flat handle, 45° angled, 150mm, 6"	
8mm jaw	251-556-150
45° angled, 180mm, 7"	
12mm jaw	251-556-180



Ultra Fine Dissecting Scissors, flat handle, 12mm very delicate blade, 8mm handle width, straight

150mm, 6"	251-566-150



Ultra Fine Adventitia Scissors, flat handle, 14mm very delicate blade, 8mm handle width, straight

150mm, 6"	251-565-150



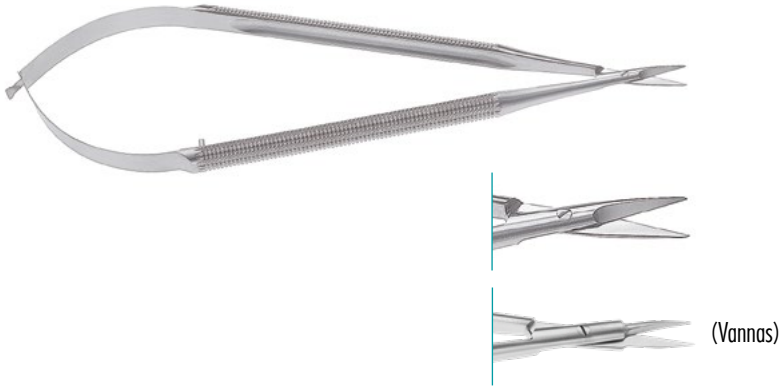
Dissecting Scissors, very delicate curved, 12mm blade, ∅ 8mm round handle

150mm, 6"	251-546-150
180mm, 7"	251-546-180

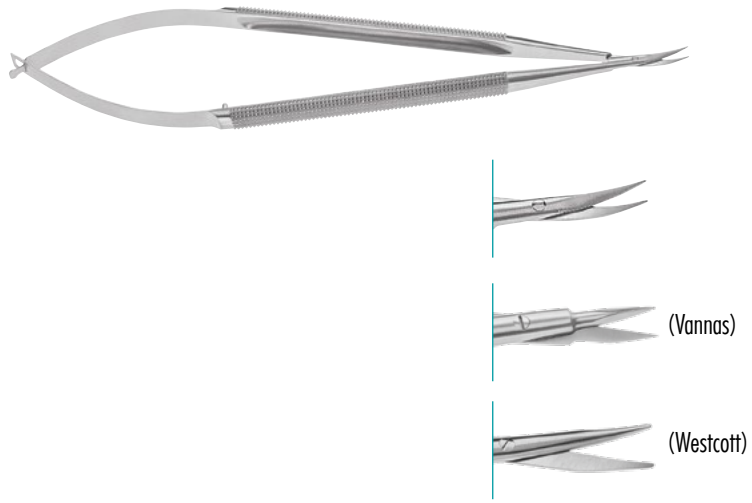


Adventitia Scissors, very delicate straight, 14mm blade, ∅ 8mm round handle

150mm, 6"	251-545-150
180mm, 7"	251-545-180



Adventitia Scissors, 7mm round handle, straight 120mm, 4 3/4"	
11mm jaw	251-540-120
8mm round handle, 150mm, 6"	
12mm jaw	251-540-150
12mm jaw (nerve)	251-542-150
12mm (Vannas)	251-560-150
8mm round handle, 170mm, 6 2/3"	
10mm jaw	251-580-170
8mm round handle, 180mm, 7"	
14mm jaw	120-178-180
14mm jaw (nerve)	251-542-180
10mm round handle, 180mm, 7"	
14mm jaw	251-558-180
8mm round handle, 180mm, 7"	
21mm jaw	251-540-210



Dissecting Scissors, 7mm round handle, curved 120mm, 4 3/4"	
11mm jaw	251-541-120
8mm round handle, 150mm, 6"	
12mm jaw	251-541-150
12mm jaw (nerve)	251-543-150
12mm (Vannas)	251-559-150
20mm (Westcott)	251-541-151
8mm round handle, 180mm, 7"	
14mm jaw	251-541-180
14mm jaw (nerve)	251-543-180
20mm (Westcott)	251-541-181
10mm round handle, 180mm, 7"	
14mm jaw	251-557-180
8mm round handle, 210mm, 8 1/4"	
21mm jaw	251-541-210





JACOBSON
Micro Coronary Scissors, 160mm, 6 1/4"
sharp blades, 8mm round handle
7mm micro blades, angled

25°	120-164-025
45°	120-164-045
60°	120-164-060
90°	120-164-090
125°	120-164-125

10mm micro blades, angled

25°	120-164-225
45°	120-164-245
60°	120-164-260
90°	120-164-290
125°	120-164-325

JACOBSON
Micro Coronary Scissors, 180mm, 7"
sharp blades, 8mm round handle
14mm blades

25°	120-184-225
45°	120-184-245
60°	120-184-260
90°	120-184-290
125°	120-184-325

ball tip blades

25°	120-184-425
45°	120-184-445
60°	120-184-460
90°	120-184-490
125°	120-184-425





POTTS
∅ 3.5mm, 45° angled, single action
working length:

170mm, 6 2/3"	295-034-045
250mm, 9 7/8"	295-035-045
300mm, 11 7/8"	295-037-045



POTTS
∅ 3.5mm, 90° angled, single action
working length:

170mm, 6 2/3"	295-034-090
250mm, 9 7/8"	295-035-090
300mm, 11 7/8"	295-037-090



POTTS
∅ 3.5mm, 125° angled, single action
working length:

170mm, 6 2/3"	295-034-125
250mm, 9 7/8"	295-035-125
300mm, 11 7/8"	295-037-125



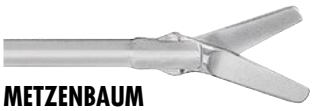
POTTS
∅ 5.0mm, 125° angled, single action
working length:

170mm, 6 2/3"	295-048-125
250mm, 9 7/8"	295-050-125
300mm, 11 7/8"	295-052-125



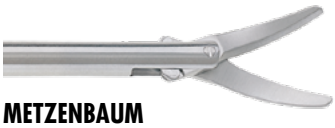
METZENBAUM
∅ 5.0mm, straight, single action
working length:

170mm, 6 2/3"	295-048-000
250mm, 9 7/8"	295-050-000
300mm, 11 7/8"	295-052-000



METZENBAUM
∅ 5.0mm, straight, double action
working length:

170mm, 6 2/3"	295-048-010
250mm, 9 7/8"	295-050-010
300mm, 11 7/8"	295-052-010



METZENBAUM
∅ 5.0mm, 15° curved, double action
working length:

170mm, 6 2/3"	295-048-015
250mm, 9 7/8"	295-050-015
300mm, 11 7/8"	295-052-015



JAMESON
∅ 5.0mm, 15° curved, double action
working length:

170mm, 6 2/3"	295-048-020
250mm, 9 7/8"	295-050-020
300mm, 11 7/8"	295-052-020



METZENBAUM
∅ 5.0mm, 30° curved, double action
working length:

170mm, 6 2/3"	295-048-030
250mm, 9 7/8"	295-050-030
300mm, 11 7/8"	295-052-030



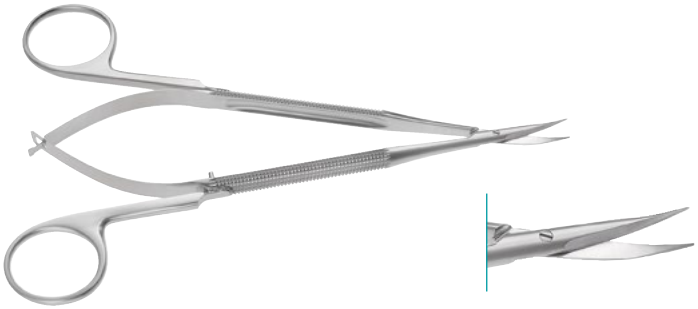
METZENBAUM
∅ 5.0mm, 70° curved, double action
working length:

170mm, 6 2/3"	295-048-070
250mm, 9 7/8"	295-050-070
300mm, 11 7/8"	295-052-070



METZENBAUM
∅ 7.0mm, 15° curved, double action
working length:

170mm, 6 2/3"	295-069-015
250mm, 9 7/8"	295-070-015
300mm, 11 7/8"	295-071-015

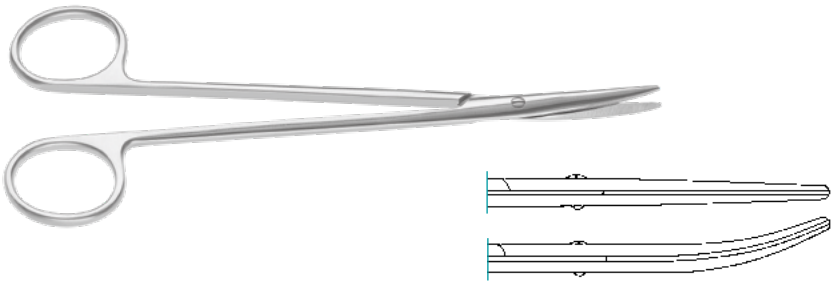


WESTCOTT
Dissecting Scissors, 8mm handle, curved
150mm, 6"

15mm jaw	251-570-150
20mm jaw	251-571-150

180mm, 7"

15mm jaw	251-570-180

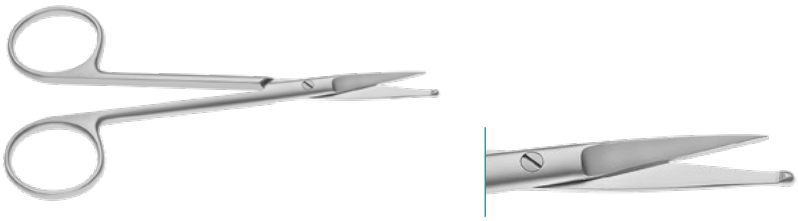


LINCOLN
Vascular Scissors, straight

170mm, $6^{2/3}$"	120-260-170

curved

170mm, $6^{2/3}$"	120-261-170



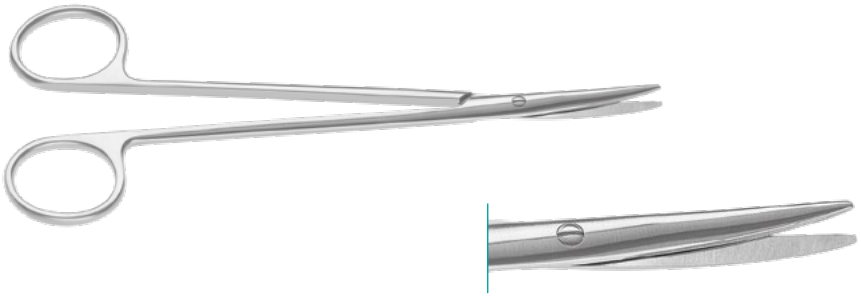
Coronary Scissors, probe-pointed tip

115mm, $4^{1/2}$"	120-420-115



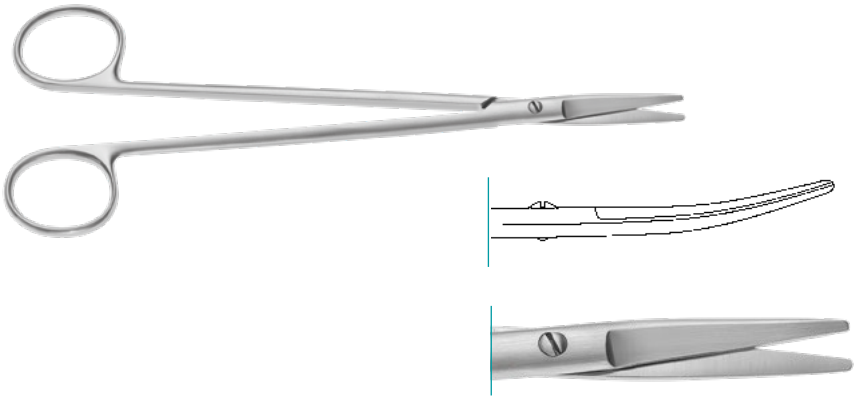
DEBAKEY
Endarterectomy Scissors, 180mm, 7"

slightly curved	120-319-180
strongly curved	120-320-180



DE MARTEL
Vascular Scissors, 175mm, $6^{7/8}$"

blunt	120-261-175
sharp	120-263-175



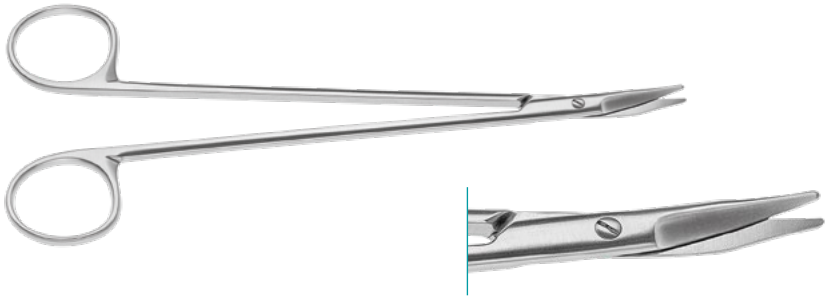
CHURCH
Vascular Scissors, slightly curved

170mm, $6^{2/3}$"	120-255-170
255mm, 10"	120-255-255



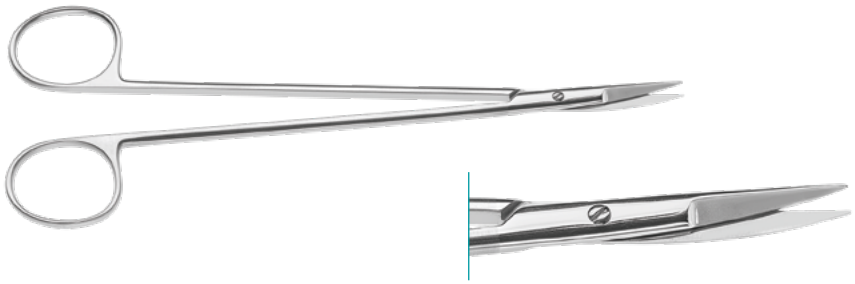
THOMPSON
Valve Scissors, strong curved

250mm, $9^{7/8}$"	120-205-250



LAINE KINDAL
curved, tenotomy tip

180mm, 7"	125-282-778



LAINE KINDAL
curved, sharp tip

180mm, 7"	125-282-776



HOHENFELLER
S-curved

180mm, 7″	120-060-180
210mm, 8 1/4″	120-060-210
240mm, 9 1/2″	120-060-240



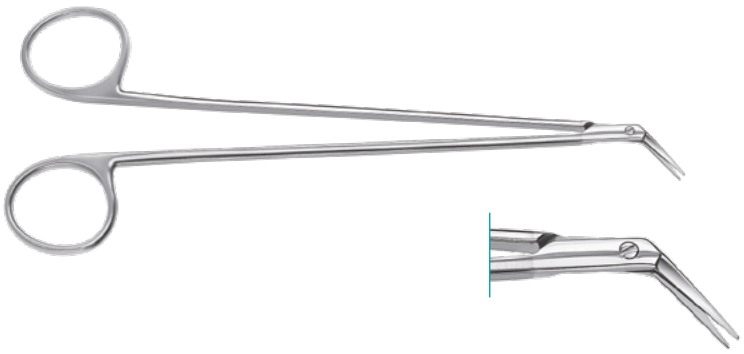
COOLEY
Vascular Scissors, curved

180mm, 7″	120-134-180
230mm, 9″	120-134-230



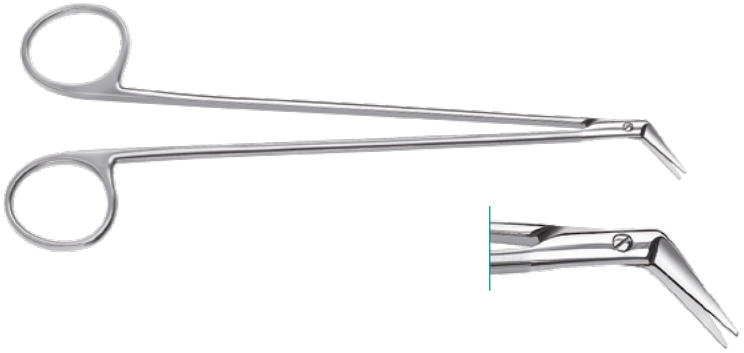
SATINSKY
Vascular Scissors, curved

245mm, 9 2/3″	120-203-245



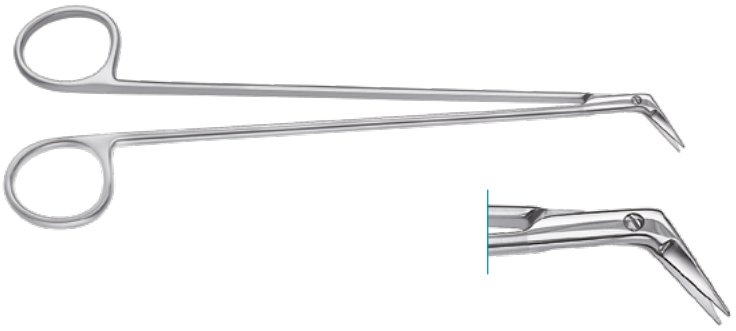
DIETHRICH
sharp, extra delicate, 14mm, 180mm, 7"

25°	125-170-025
45°	125-170-045
60°	125-170-060
90°	125-170-090
125°	125-170-125



DIETHRICH
delicate, 14mm, 180mm, 7"

25°	125-175-025
45°	125-175-045
60°	125-175-060
90°	125-175-090
125°	125-175-125



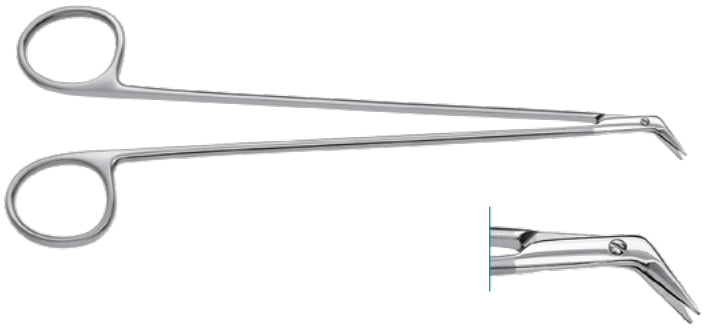
DIETHRICH HEGEMANN
13mm, 180mm, 7"

25°	125-180-025
45°	125-180-045
60°	125-180-060
90°	125-180-090
125°	125-180-125



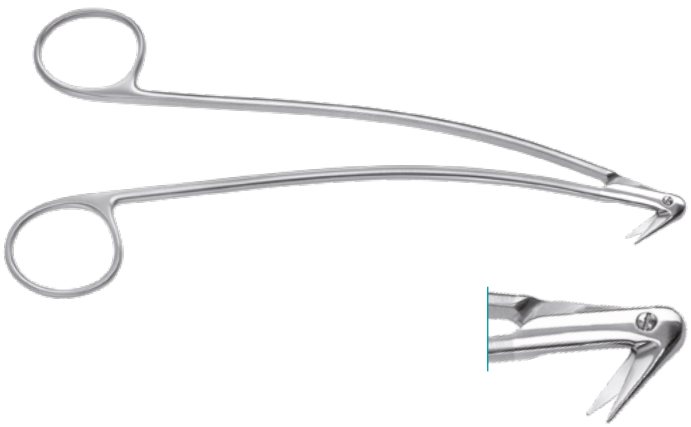
DIETHRICH
Peripheral, 130mm, 5 1/8""

25°	125-130-025
45°	125-130-045
60°	125-130-060
90°	125-130-090
125°	125-130-125



DIETHRICH
sharp blade, 9mm, 180mm, 7"

25°	125-178-025
45°	125-178-045
60°	125-178-060
90°	125-178-090
125°	125-178-125



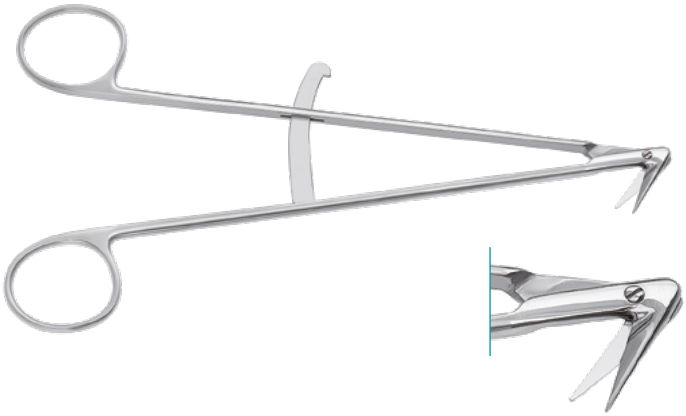
DIETHRICH FAVALORO
13mm, 180mm, 7"

125°	125-185-125



DIETHRICH FAVALORO
9mm, 170mm, 6 3/4"

125°	125-168-125



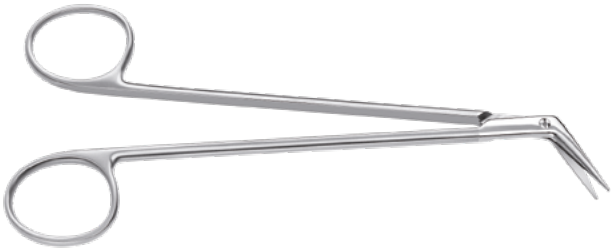
DIETHRICH ARTERY
13mm, 180mm, 7"

125°	125-200-125



BEALL
Circumflex, 150mm, 6"

115°	125-300-115





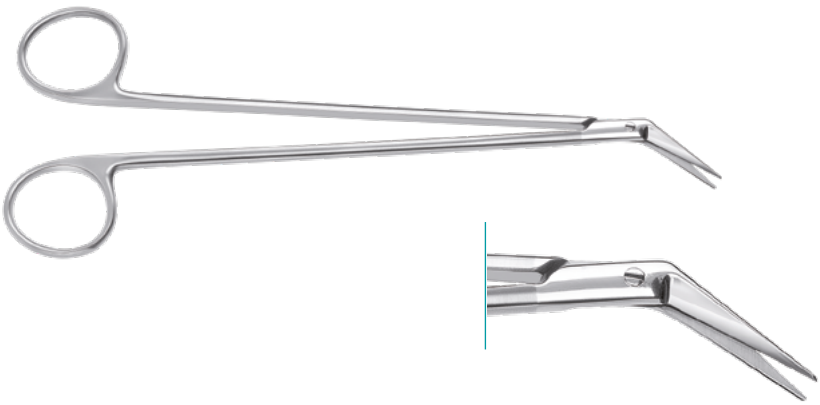
blunt



sharp

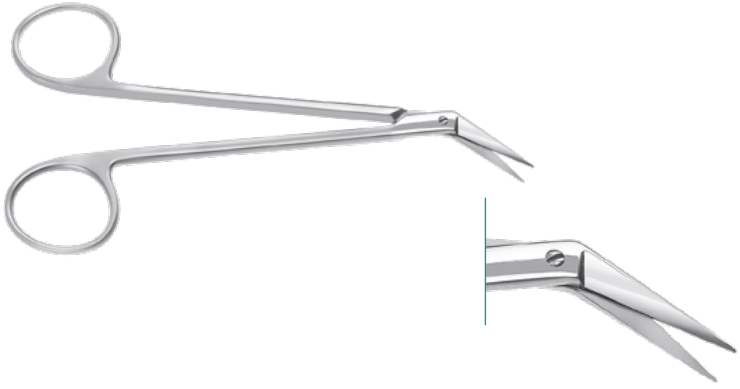
DEBAKEY

26mm, 180mm, 7“	
25°, blunt tip	125-216-025
25°, sharp tip	125-217-025
45°, blunt tip	125-216-045
45°, sharp tip	125-217-045
60°, blunt tip	125-216-060
60°, sharp tip	125-217-060
225mm, $8^{7/8}$“	
25°, blunt tip	125-220-025
25°, sharp tip	125-221-025
45°, blunt tip	125-220-045
45°, sharp tip	125-221-045
60°, blunt tip	125-220-060
60°, sharp tip	125-221-060
280mm, 11“	
25°, blunt tip	125-280-025
25°, sharp tip	125-281-025
45°, blunt tip	125-280-045
45°, sharp tip	125-281-045
60°, blunt tip	125-280-060
60°, sharp tip	125-281-060



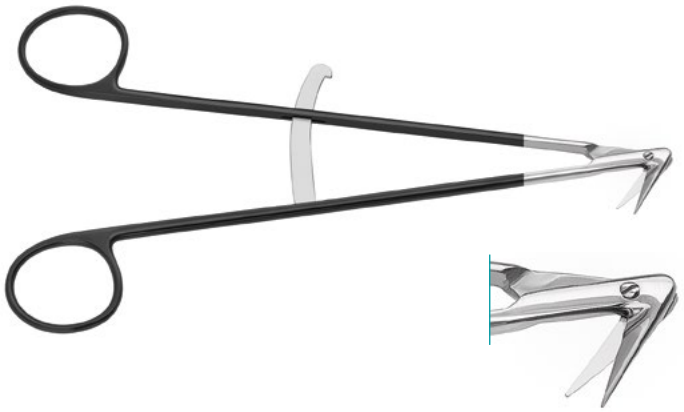
POTTS SMITH

22mm, 190mm, $7^{1/2}$“	
25°	125-490-025
45°	125-490-045
60°	125-490-060



POTTS SMITH

22mm, 140mm, $5^{1/2}$“	
25°	125-440-025
45°	125-440-045
60°	125-440-060



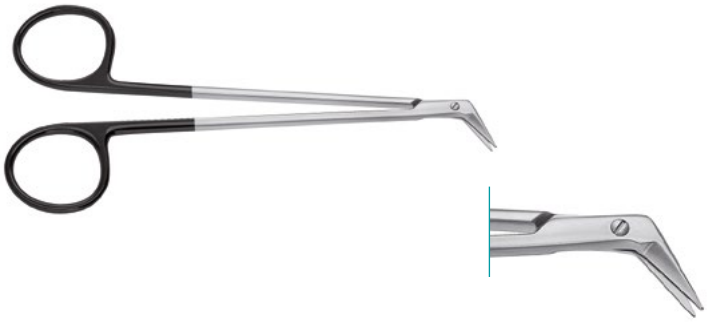
DIETHRICH SC
13mm, with guide, 180mm, 7"

125°	126-200-125



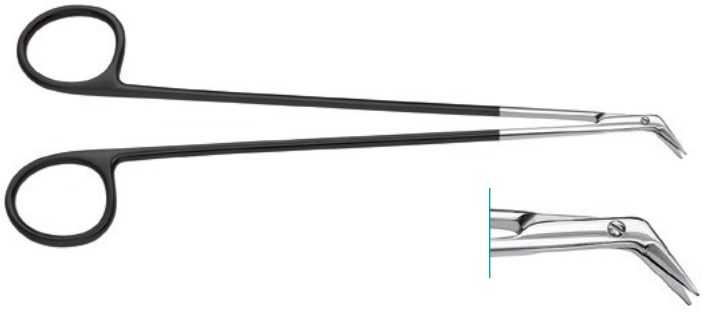
DIETHRICH HEGEMANN SC
13mm, 180mm, 7"

25°	126-180-025
45°	126-180-045
60°	126-180-060
90°	126-180-090
125°	126-180-125



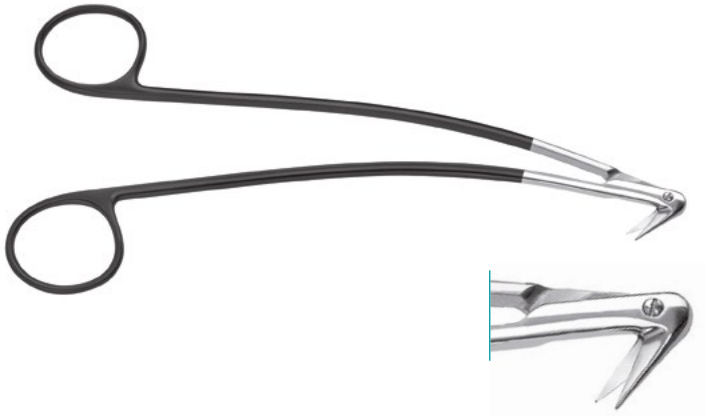
DIETHRICH SC
Peripheral, 13mm, 130mm, $5^{1/8}$"

25°	126-130-025
45°	126-130-045
60°	126-130-060
90°	126-130-090
125°	126-130-125



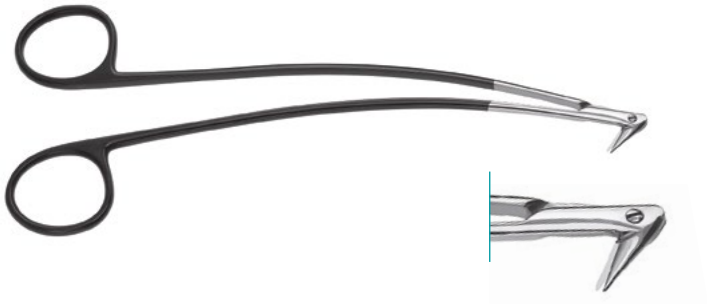
DIETHRICH SC
9mm, 130mm, 5 1/8"

25°	126-178-025
45°	126-178-045
60°	126-178-060
90°	126-178-090
125°	126-178-125



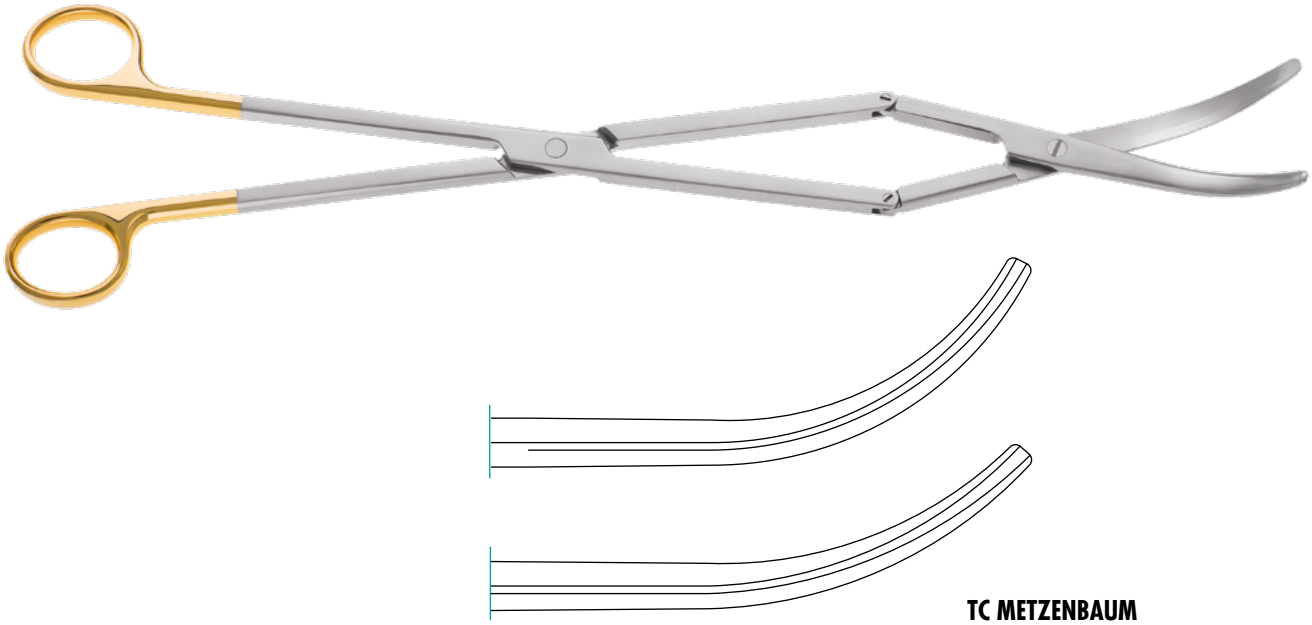
DIETHRICH FAVALORO SC
13mm, 180mm, 7"

125°	126-185-125



DIETHRICH FAVALORO SC
9mm, 170mm, 6 2/3"

125°	126-168-125

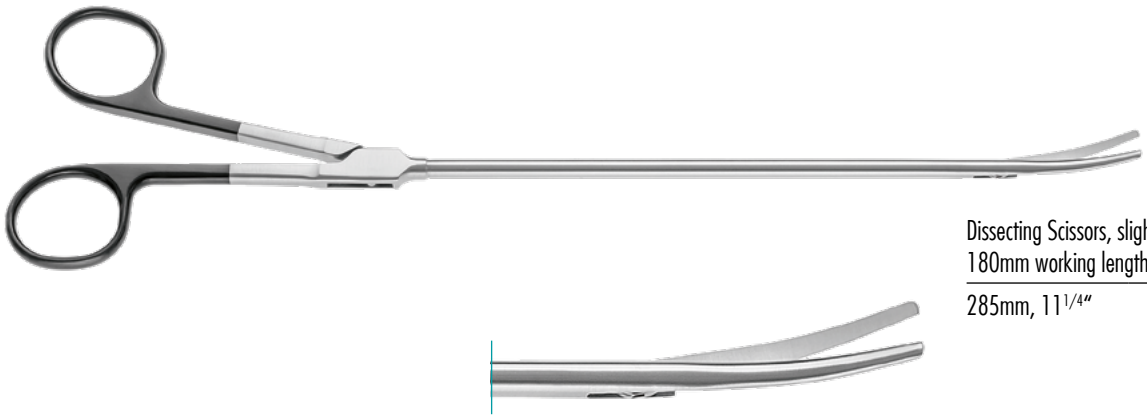


TC METZENBAUM
70mm blade length, double action,
slightly curved

325mm, 12 3/4"	295-120-000
365mm, 14 1/3"	295-120-002

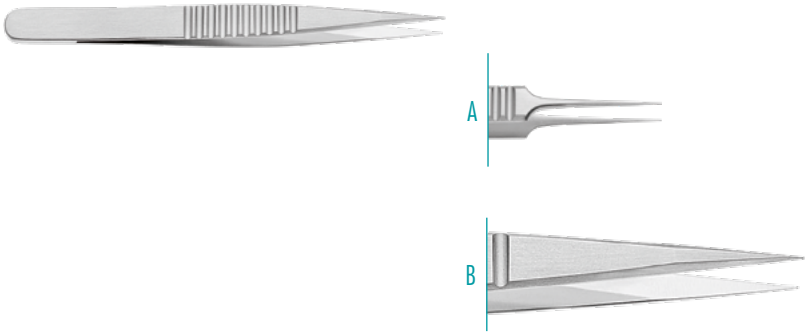
strongly curved

325mm, 12 3/4"	295-120-001
365mm, 14 1/3"	295-120-003



Dissecting Scissors, slightly curved, single action
180mm working length, ∅ 5mm shaft

285mm, 11 1/4"	295-123-180



Micro Forceps, flat handle, ∅ 0.3mm tip, 9mm handle width

A 110mm, 4 1/3"	251-613-110
B 120mm, 4 3/4"	251-611-120

B 7mm handle width, 135mm, 5 1/3"

	251-612-130
with tying platform	251-617-130

B 9mm handle width, 135mm, 5 1/3"

	251-611-130
with tying platform	251-621-135

A 9mm handle width

150mm, 6"	251-613-150

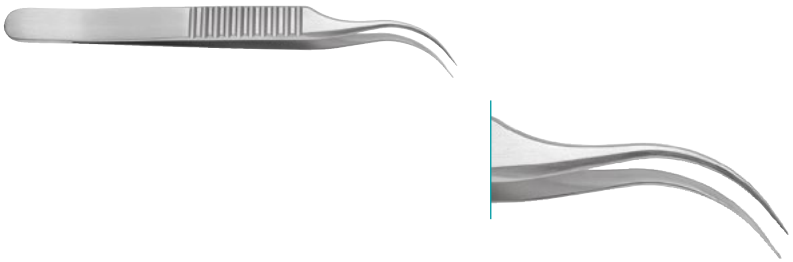
B 9mm handle width, 180mm, 7"

	251-611-180
with tying platform	251-611-181



Micro Forceps, flat, smooth handle, 9mm handle width, 110mm, 4 1/3"

∅ 0.4mm tip	251-600-040
∅ 0.6mm tip	251-600-060
∅ 0.8mm tip	251-600-080



Micro Forceps, flat handle, ∅ 0.4mm tip, 9mm handle width

120mm, 4 3/4"	251-618-120







Fine Micro Forceps, flat handle,
∅ 0.1mm tip, 9mm handle width

A 110mm, 4 1/3"	251-609-110
B 135mm, 5 1/3"	251-613-130







Micro Forceps, flat handle, 45° angled
∅ 0.3mm tip, 9mm handle width

110mm, 4 1/3"	251-616-110
135mm, 5 1/3"	
7mm	251-615-130
9mm	251-603-135
150mm, 6"	
9mm	251-616-150
180mm, 7"	
9mm	251-613-180
with tying platform	251-613-181

90° angled
∅ 0.3mm tip, 9mm handle width

110mm, 4 1/3"	251-617-110



PIERSE

Micro Forceps, flat handle, 9mm handle width

120mm, 4 3/4"	
∅ 0.3mm tip	251-615-120
∅ 0.65mm tip	251-613-120
∅ 0.1mm tip	251-616-120
135mm, 5 1/3"	
∅ 0.3mm tip	251-610-135
180mm, 7"	
∅ 0.65mm tip	251-612-180



BANIS

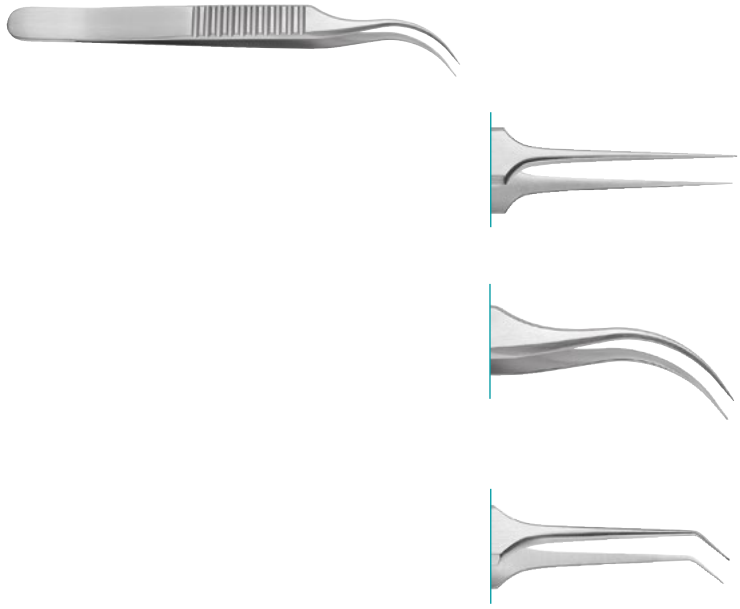
Micro Forceps, flat handle, 9mm handle width
∅ 0.3mm tip

135mm, 5 1/3"	251-607-135
180mm, 7"	251-607-180



Tubing Introducer Forceps, 9mm handle width

120mm, 4 3/4"	251-715-120



Micro Forceps, flat handle,
∅ 0.3mm diamond dusted tip,
9mm handle width, straight

110mm, 4 1/3"	251-713-110

7mm handle width, 135mm, 5 1/3"

	251-712-130
with tying platform	251-717-130

9mm handle width, 135mm, 5 1/3"

	251-711-130
with tying platform	251-721-135

9mm handle width

180mm, 7"	251-711-180

Curved, ∅ 0.4mm tip,
9mm handle width

120mm, 4 3/4"	251-718-120

45° angled, ∅ 0.3mm tip,
9mm handle width

110mm, 4 1/3"	251-619-110
135mm, 5 1/3"	251-703-135
180mm, 7"	251-713-180

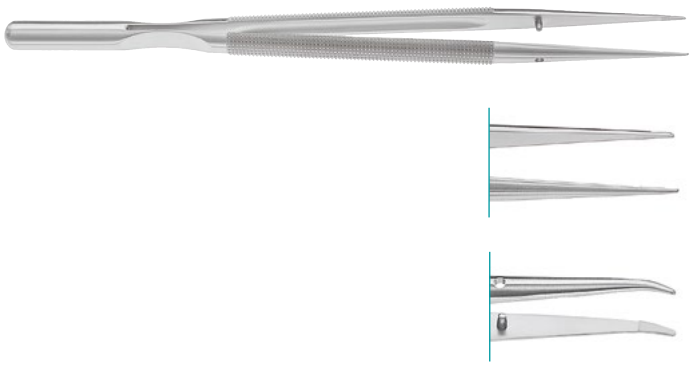
7mm handle width

135mm, 5 1/3"	251-619-130



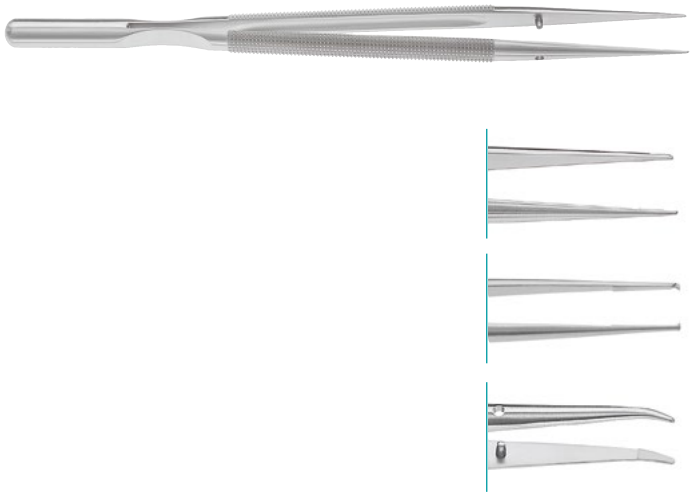
ADSON
Fixation Forceps, ∅ 0.3mm tip,
120mm, 4 3/4"

A 45° angled teeth	251-662-120
B 90° angled teeth	130-554-120



Balanced Micro Forceps, diamond dusted tip, with tying platform, straight

∅ 0.7mm tip	
150mm, 6"	251-657-150
210mm, 8 1/4"	251-657-210
∅ 0.5mm tip	
180mm, 7"	251-657-180
∅ 0.7mm tip	
210mm, 8 1/4"	251-660-210
curved, ∅ 0.7mm tip	
210mm, 8 1/4"	251-661-210



Balanced Micro Forceps, with tying platform, straight

∅ 0.3mm tip	
150mm, 6"	251-650-150
∅ 0.5mm tip	
180mm, 7"	251-650-180
210mm, 8 1/4"	251-650-210
straight, with 1x2 teeth, ∅ 0.3mm tip	
150mm, 6"	251-658-150
180mm, 7"	251-658-180
straight, with 1x2teeth, ∅ 0.7mm tip	
210mm, 8 1/4"	251-658-210
curved, ∅ 0.3mm tip	
150mm, 6"	251-653-150
curved, ∅ 0.5mm tip	
180mm, 7"	251-653-180
210mm, 8 1/4"	251-653-210



DEBAKEY
Micro Forceps, ∅ 8mm handle,
∅ 1.2mm tip

150mm, 6"	250-653-150

∅ 1.0mm tip

180mm, 7"	250-653-180
210mm, 8 1/4"	250-653-210



PIERSE
Micro Fixation Forceps, ∅ 8mm handle,
∅ 0.3mm tip

150mm, 6"	251-652-150

∅ 0.6mm tip

180mm, 6"	251-652-180



Micro Forceps, 45° angled, ∅ 8mm handle,
∅ 0.2mm tip

150mm, 6"	251-655-150
180mm, 7"	251-654-180



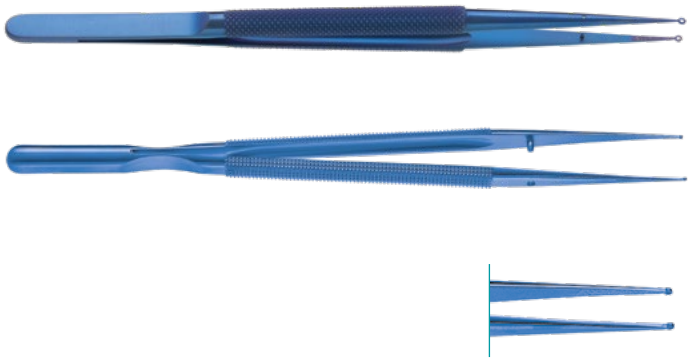
Micro Forceps, 45° angled, ∅ 8mm handle,
∅ 0.3mm tip

150mm, 6"	251-656-150
180mm, 7"	251-656-180



Micro Ring Forceps with diamond dusted tip,
straight, ∅ 8mm handle,
∅ 1 x 0.5mm ring

150mm, 6"	251-655-145
180mm, 7"	251-655-180
210mm, 8 1/4"	251-655-210



Micro Ring Forceps, Titan,
with diamond dusted tip,
straight, ∅ 8mm handle, without weight
∅ 1 x 0.5mm ring

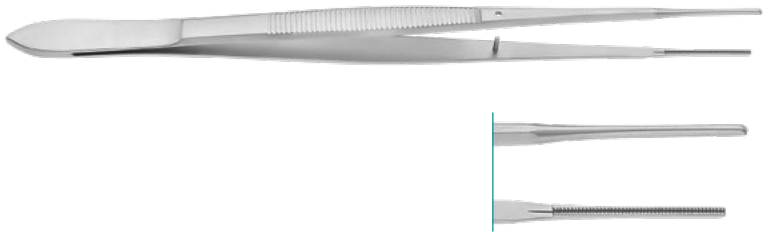
150mm, 6"	250-364-705

∅ 2 x 1mm ring

180mm, 7"	250-364-706
210mm, 8 1/4"	250-364-707

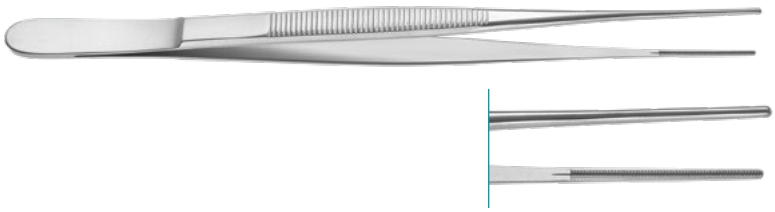
with weight
∅ 1 x 0.5mm ring

150mm, 6"	250-764-715
180mm, 7"	250-764-718
210mm, 8 1/4"	250-764-721



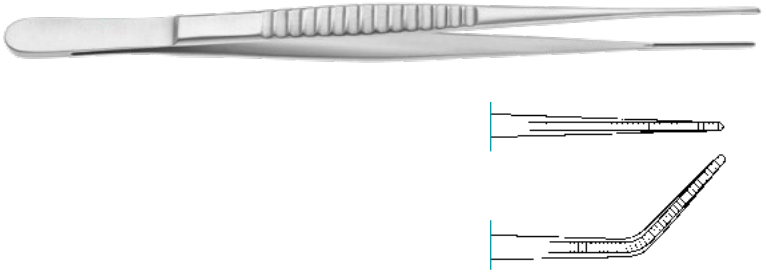
GERALD DEBAKEY
Vascular Tissue Forceps, straight, extra delicate 1.0mm tip, DeBakey serrations

175mm, $6^{7/8}$"	130-520-175
200mm, 8"	130-520-200
240mm, $9^{1/2}$"	130-520-240



DIETHRICH DEBAKEY
Vascular Tissue Forceps, straight, extra delicate 1.5mm tip, DeBakey serrations

160mm, $6^{1/4}$"	130-468-150
200mm, 8"	130-468-200
240mm, $9^{1/2}$"	130-468-240



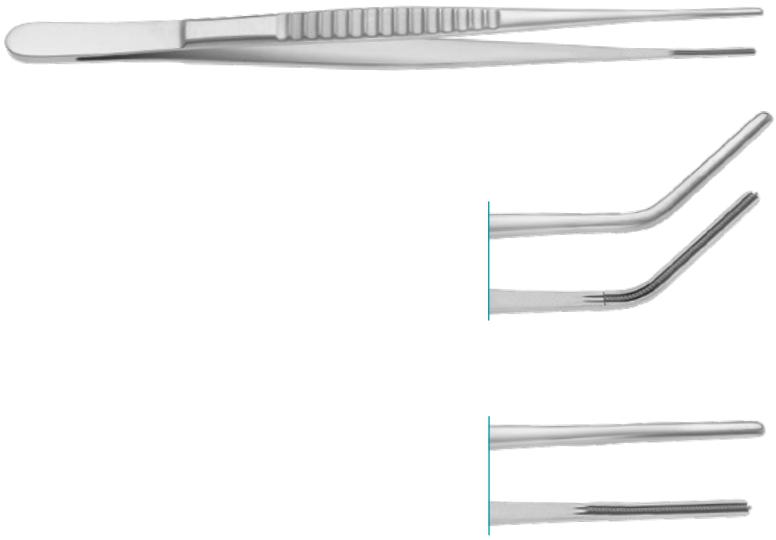
DEBAKEY
Vascular Tissue Forceps, straight, 1.5mm tip, DeBakey serrations,

straight

160mm, $6^{1/4}$"	290-550-160
200mm, 8"	290-550-200
240mm, $9^{1/2}$"	290-550-240
300mm, $11^{7/8}$"	290-550-300

angled

160mm, $6^{1/4}$"	290-551-160
200mm, 8"	290-551-200
240mm, $9^{1/2}$"	290-551-240
300mm, $11^{7/8}$"	290-551-300



DEBAKEY
Vascular Tissue Forceps, straight, 2.0mm tip, DeBakey serrations, straight

160mm, 6 1/4"	290-552-160
200mm, 8"	290-552-200
240mm, 9 1/2"	290-552-240
300mm, 11 7/8"	290-552-300

angled, 2.0mm

160mm, 6 1/4"	290-553-160
200mm, 8"	290-553-200
240mm, 9 1/2"	290-553-240
300mm, 11 7/8"	290-553-300

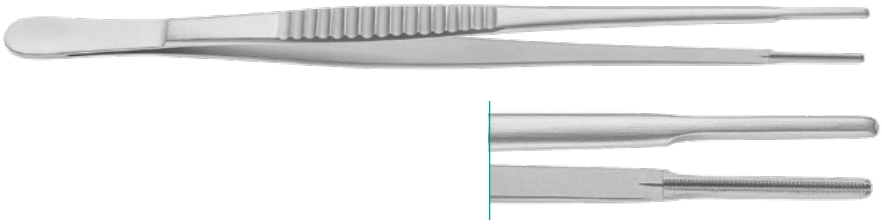
straight, 3.5mm

160mm, 6 1/4"	290-554-160
200mm, 8"	290-554-200
240mm, 9 1/2"	290-554-240
300mm, 11 7/8"	290-554-300



DEBAKEY
Vascular Tissue Forceps, straight, 2.4mm tip, DeBakey serrations

160mm, 6 1/4"	290-557-160
200mm, 8"	290-557-200
240mm, 9 1/2"	290-557-240
300mm, 11 7/8"	290-557-300



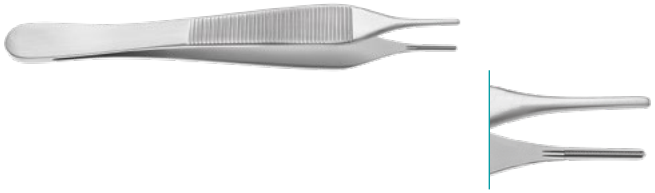
DEBAKEY
Vascular Tissue Forceps, straight, 2.8mm step-down tip, DeBakey serrations

160mm, 6 1/4"	290-558-160
200mm, 8"	290-558-200
240mm, 9 1/2"	290-558-240
300mm, 11 7/8"	290-558-300



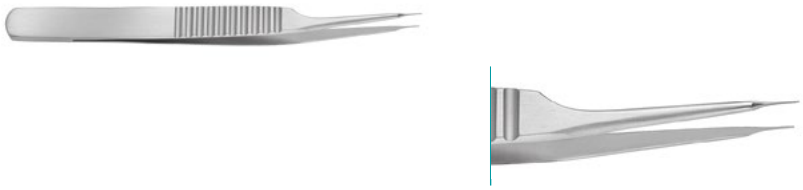
COOLEY
Vascular Tissue Forceps, straight,
delicate 1.5mm tip, DeBakey serrations

150mm, 6"	290-556-150
2.0mm tip	
160mm, 6 1/4"	290-556-160
200mm, 8"	290-556-200
240mm, 9 1/2"	290-556-240



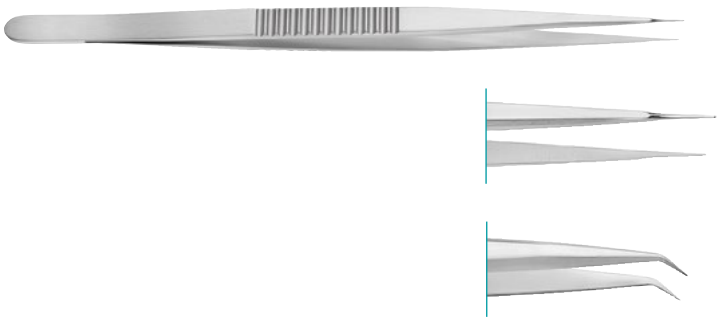
ADSON DEBAKEY
Vascular Tissue Forceps, straight, 2.0mm tip

120mm, 4 3/4"	130-527-120



Micro Dialtor
10° angled, 110mm, 4 1/3", 9mm handle

Ø 0.2mm tip 9mm tip	251-602-110
Ø 0.3mm tip, 4mm tip	251-601-110



Micro Dilator, flat handle, straight,
135mm, 5 1/3", 6mm tip length

Ø 0.2mm tip 7mm handle	251-611-131
Ø 0.2mm tip, 9mm handle	251-611-132

4mm tip length

Ø 0.3mm tip, 9mm handle	251-611-133

180mm, 7", 6mm tip length

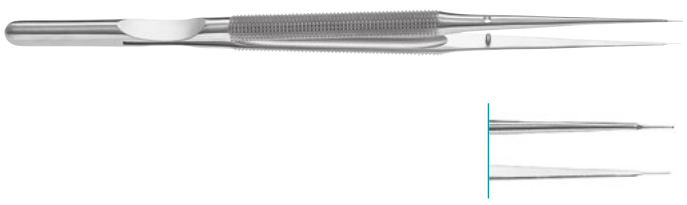
Ø 0.1mm tip 9mm handle	251-611-187
Ø 0.2mm tip, 9mm handle	251-611-186

4mm tip length

Ø 0.3mm tip, 9mm handle	251-611-185

45° angled, 135mm, 5 1/3", 9mm handle

Ø 0.3mm tip 4mm tip	251-608-135



Micro Dilator, round handle, straight,
Ø 0.3mm tip, 4mm tip, 8mm handle

150mm, 6"	251-640-150
180mm, 7"	251-640-180



Micro Needle Holder, flat handle,
∅ 0.4mm tip, 140mm, 5 1/2", straight

with ratchet	250-064-153
without ratchet	250-064-149

curved

with ratchet	250-064-151
without ratchet	250-064-150



Micro Needle Holder, round handle,
∅ 0.4mm tip, without ratchet,
∅ 8mm handle, straight

130mm, 5 1/8"	250-064-138
180mm, 7"	250-064-244

∅ 0.2mm tip, ∅ 8mm handle, curved,
150mm, 6"

without ratchet	250-064-144

∅ 8mm handle, curved, 130mm, 5 1/8"

without ratchet	250-064-142
with ratchet	250-064-147

∅ 0.5mm tip
∅ 10mm handle, curved, 130mm, 5 1/8"

without ratchet	250-064-146
with ratchet	250-064-145

∅ 0.4mm tip
∅ 8mm handle, curved, 150mm, 6"

without ratchet	250-064-148

∅ 0.4mm tip
∅ 8mm handle, curved, 180mm, 7"

without ratchet	250-064-245

∅ 0.5mm tip
∅ 10mm handle, curved, 180mm, 7"

without ratchet	250-064-248

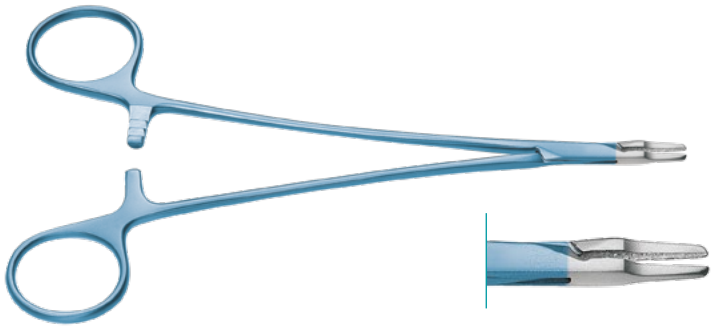


Balanced Micro Needle Holder,
∅ 8mm handle, curved, with tying platform
∅ 0.4mm tip

150mm, 6"	251-660-150

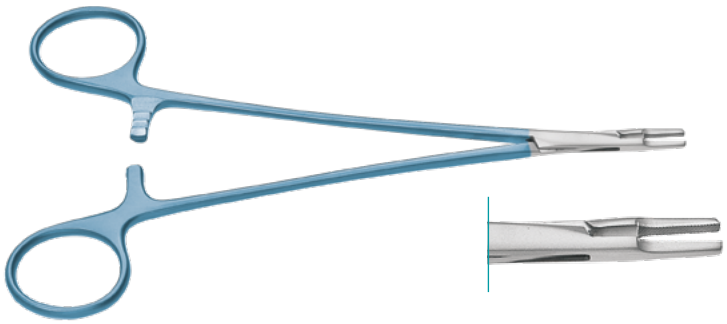
∅ 0.6mm tip

180mm, 7"	251-660-180



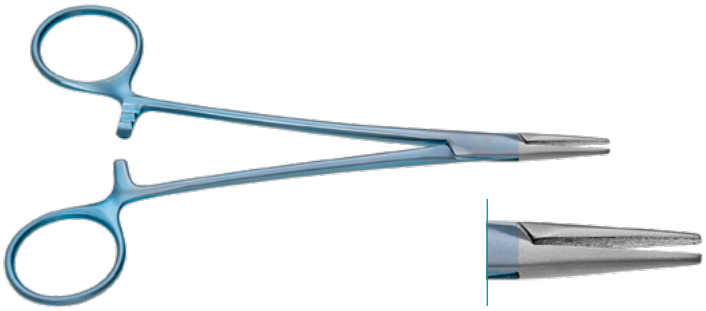
RYDER
Needle Holder

150mm, 6″	180-660-150
170mm, 6 2/3″	180-660-170
190mm, 7 1/2″	180-660-190



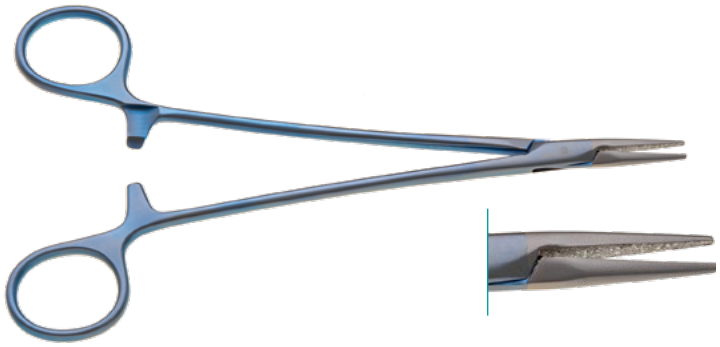
RYDER
Needle Holder, TC jaw, delicate

150mm, 6″	180-661-150
170mm, 6 2/3″	180-661-170
190mm, 7 1/2″	180-661-190



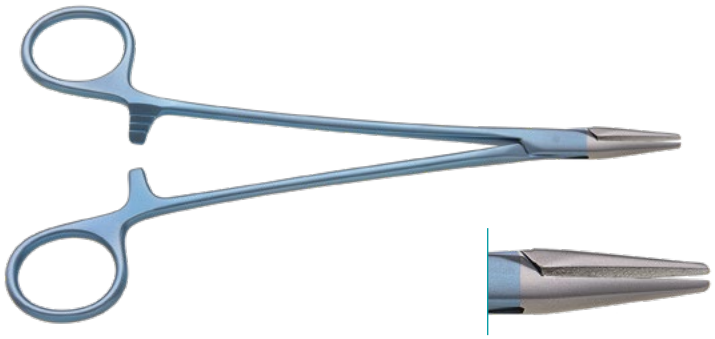
Vascular Needle Holder, TC jaw

160mm, 6 1/4″	180-674-160
180mm, 7″	180-674-180
200mm, 8″	180-674-200
220mm, 8 2/3″	180-674-220
250mm, 9 7/8″	180-674-250



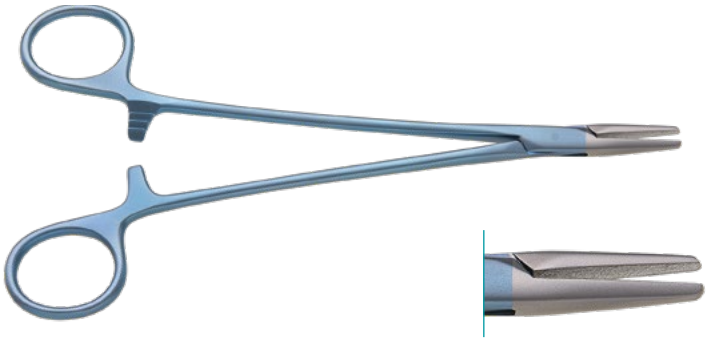
DEBAKEY
Needle Holder

160mm, 6 1/4"	180-675-160
180mm, 7"	180-675-180
200mm, 8"	180-675-200
220mm, 8 2/3"	180-675-220
250mm, 9 7/8"	180-675-250



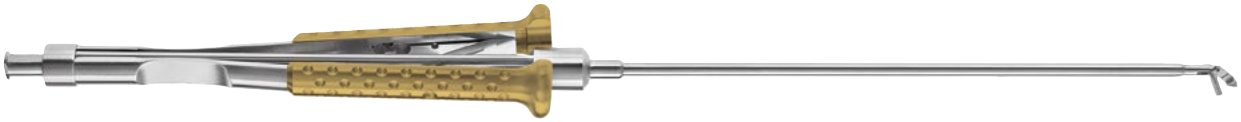
MAYO-HEGAR
Needle Holder
1.8mm fine jaw

160mm, 6 1/4"	180-680-160
180mm, 7"	180-680-180
200mm, 8"	180-680-200
220mm, 8 2/3"	180-680-220
250mm, 9 7/8"	180-680-250



MAYO-HEGAR
Needle Holder
2.8mm broad jaw

160mm, 6 1/4"	180-690-160
180mm, 7"	180-690-180
200mm, 8"	180-690-200
220mm, 8 2/3"	180-690-220
250mm, 9 7/8"	180-690-250





Ø 3.5mm shaft, 2x6mm, with ratchet, TC straight

170mm, 6 2/3"	295-034-200
250mm, 9 7/8"	295-035-200
300mm, 11 7/8"	295-037-200



Ø 3.5mm shaft, 2x6mm, with ratchet, TC curved

170mm, 6 2/3"	295-034-201
250mm, 9 7/8"	295-035-201
300mm, 11 7/8"	295-037-201



Ø 5.0mm shaft, 3x10mm, with ratchet, TC straight

170mm, 6 2/3"	295-048-200
250mm, 9 7/8"	295-050-200
300mm, 11 7/8"	295-052-200



Ø 5.0mm shaft, 3x10mm, with ratchet, TC curved left

170mm, 6 2/3"	295-048-201
250mm, 9 7/8"	295-050-201
300mm, 11 7/8"	295-052-201



Ø 5.0mm shaft, 3x10mm, with ratchet, TC curved right

170mm, 6 2/3"	295-048-202
250mm, 9 7/8"	295-050-202
300mm, 11 7/8"	295-052-202



RYDER

Ø 5.0mm shaft, 1x8mm, with ratchet, TC straight

170mm, 6 2/3"	295-048-210
250mm, 9 7/8"	295-050-210
300mm, 11 7/8"	295-052-210



RYDER

Ø 5.0mm shaft, 1x10mm, with ratchet, TC, straight

170mm, 6 2/3"	295-048-212
250mm, 9 7/8"	295-050-212
300mm, 11 7/8"	295-052-212



Ø 5.0mm shaft, 2x8mm, with ratchet, TC, straight

170mm, 6 2/3"	295-048-214
250mm, 9 7/8"	295-050-214
300mm, 11 7/8"	295-052-214



Ø 5.0mm shaft, 3x10mm, with ratchet, diamond dusted, straight

170mm, 6 2/3"	295-048-216
250mm, 9 7/8"	295-050-216
300mm, 11 7/8"	295-052-216



Ø 5.0mm shaft, 3x10mm, with ratchet, diamond dusted, curved left

170mm, 6 2/3"	295-048-217
250mm, 9 7/8"	295-050-217
300mm, 11 7/8"	295-052-217



CRILE WOOD

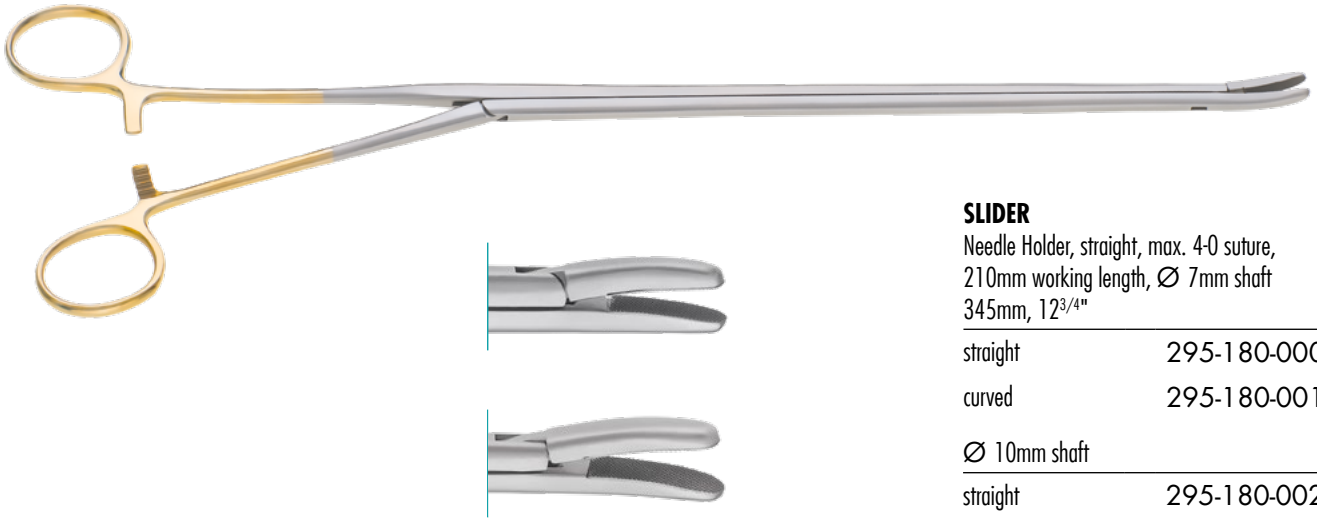
Ø 5.0mm shaft, 3x10mm, with ratchet, TC, curved left

170mm, 6 2/3"	295-048-219
250mm, 9 7/8"	295-050-219
300mm, 11 7/8"	295-052-219



CHITWOOD
Suture Cutter, ∅ 5mm shaft

180mm, 7"	295-121-180
230mm, 9"	295-121-230
280mm, 11"	295-121-280



SLIDER
Needle Holder, straight, max. 4-0 suture,
210mm working length, ∅ 7mm shaft
345mm, 12 3/4"

straight	295-180-000
curved	295-180-001

∅ 10mm shaft

straight	295-180-002
curved	295-180-003



Knot Pusher for valve surgery
∅ 8.0mm tip

345mm, 12 3/4"	295-000-020



Cardioplega Needle
310mm, 12 1/4"

Ø 2.0mm	295-165-002
Ø 3.0mm	295-165-003



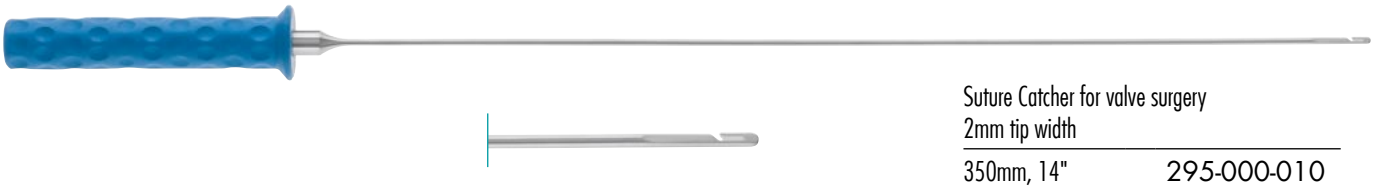
Magnetic Retriever

370mm, 14 1/2"	295-300-000



Suture Ruler, 0 - 60mm measuring range

430mm, 17"	295-100-350



Suture Catcher for valve surgery
2mm tip width

350mm, 14"	295-000-010



Suture Catcher
2mm tip width

320mm, 12 1/2"	295-000-110





Ø 4.0mm shaft, Valve Rongeur, oval, 4mm, single action, straight

170mm, 6 2/3"	295-039-300
250mm, 9 7/8"	295-040-300
300mm, 11 7/8"	295-041-300



Ø 4.0mm shaft, Valve Rongeur, oval, 4mm, single action, 30° angled

170mm, 6 2/3"	295-039-301
250mm, 9 7/8"	295-040-301
300mm, 11 7/8"	295-041-301





DEBAKEY
∅ 3.5mm shaft, 2x1 teeth, 2.8 x 14mm,
double action, 45° lateral angled

without ratchet	
170mm, 6 2/3"	295-034-253
250mm, 9 7/8"	295-035-253
300mm, 11 7/8"	295-037-253
with ratchet	
170mm, 6 2/3"	295-033-253
250mm, 9 7/8"	295-036-253
300mm, 11 7/8"	295-038-253



DEBAKEY
∅ 5.0mm shaft, 2x1 teeth, 1.5 x 10mm,
double action, straight

without ratchet	
170mm, 6 2/3"	295-048-250
250mm, 9 7/8"	295-050-250
300mm, 11 7/8"	295-052-250
with ratchet	
170mm, 6 2/3"	295-049-250
250mm, 9 7/8"	295-051-250
300mm, 11 7/8"	295-053-250



DEBAKEY
∅ 5.0mm shaft, 2x1 teeth, 2.8 x 10mm,
double action, straight

without ratchet	
170mm, 6 2/3"	295-048-251
250mm, 9 7/8"	295-050-251
300mm, 11 7/8"	295-052-251
with ratchet	
170mm, 6 2/3"	295-049-251
250mm, 9 7/8"	295-051-251
300mm, 11 7/8"	295-053-251



DEBAKEY
∅ 5.0mm shaft, 2x1 teeth, 1.5 x 14mm,
single action, straight

without ratchet	
170mm, 6 2/3"	295-048-252
250mm, 9 7/8"	295-050-252
300mm, 11 7/8"	295-052-252
with ratchet	
170mm, 6 2/3"	295-049-252
250mm, 9 7/8"	295-051-252
300mm, 11 7/8"	295-053-252



DEBAKEY
∅ 5.0mm shaft, 2x1 teeth, 1.5 x 14mm,
single action, 45° angled

without ratchet	
170mm, 6 2/3"	295-048-253
250mm, 9 7/8"	295-050-253
300mm, 11 7/8"	295-052-253
with ratchet	
170mm, 6 2/3"	295-049-253
250mm, 9 7/8"	295-051-253
300mm, 11 7/8"	295-053-253



DEBAKEY
∅ 5.0mm shaft, 3x2 teeth, 4.8 x 10mm,
double action, straight

without ratchet	
170mm, 6 2/3"	295-048-254
250mm, 9 7/8"	295-050-254
300mm, 11 7/8"	295-052-254
with ratchet	
170mm, 6 2/3"	295-049-254
250mm, 9 7/8"	295-051-254
300mm, 11 7/8"	295-053-254





DEBAKEY
∅ 5.0mm shaft, 2x1 teeth, 2.8 x 28mm,
single action, 45° lateral angled
without ratchet

170mm, 6 2/3"	295-048-255
250mm, 9 7/8"	295-050-255
300mm, 11 7/8"	295-052-255
with ratchet	
170mm, 6 2/3"	295-049-255
250mm, 9 7/8"	295-051-255
300mm, 11 7/8"	295-053-255



∅ 5.0mm shaft, Knot Pusher
single action, 45° angled
without ratchet

170mm, 6 2/3"	295-048-260
250mm, 9 7/8"	295-050-260
300mm, 11 7/8"	295-052-260
with ratchet	
170mm, 6 2/3"	295-049-260
250mm, 9 7/8"	295-051-260
300mm, 11 7/8"	295-053-260



RESANO
∅ 5.0mm shaft, Grasping Forceps
single action, straight
without ratchet

170mm, 6 2/3"	295-048-265
250mm, 9 7/8"	295-050-265
300mm, 11 7/8"	295-052-265
with ratchet	
170mm, 6 2/3"	295-049-265
250mm, 9 7/8"	295-051-265
300mm, 11 7/8"	295-053-265



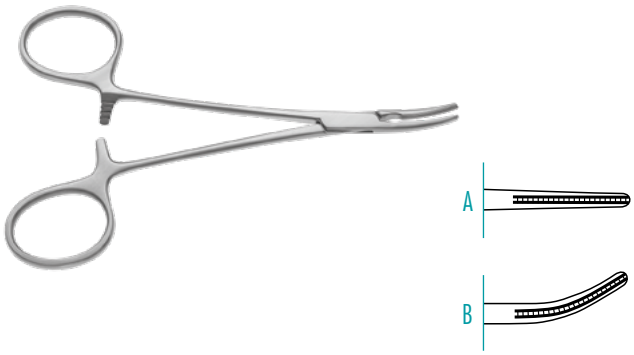
RESANO
∅ 5.0mm shaft, Grasping Forceps
double action, conical shape
without ratchet

170mm, 6 2/3"	295-048-270
250mm, 9 7/8"	295-050-270
300mm, 11 7/8"	295-052-270
with ratchet	
170mm, 6 2/3"	295-049-270
250mm, 9 7/8"	295-051-270
300mm, 11 7/8"	295-053-270



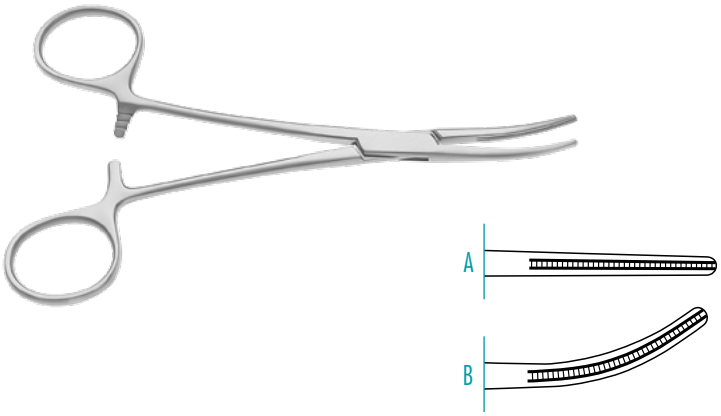
GEMINI
∅ 5.0mm shaft, smooth
double action, curved
without ratchet

170mm, 6 2/3"	295-048-280
250mm, 9 7/8"	295-050-280
300mm, 11 7/8"	295-052-280
with ratchet	
170mm, 6 2/3"	295-049-280
250mm, 9 7/8"	295-051-280
300mm, 11 7/8"	295-053-280



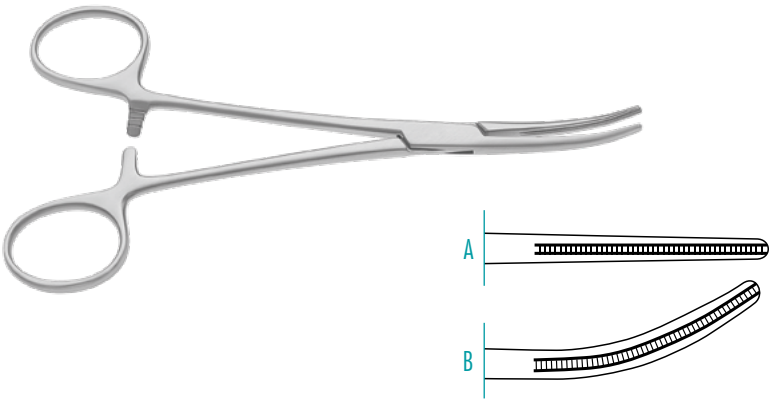
DEBAKEY MOSQUITO
Hemostatic Forceps, 120mm, 4 3/4"

A straight	290-438-120
B curved	290-439-120



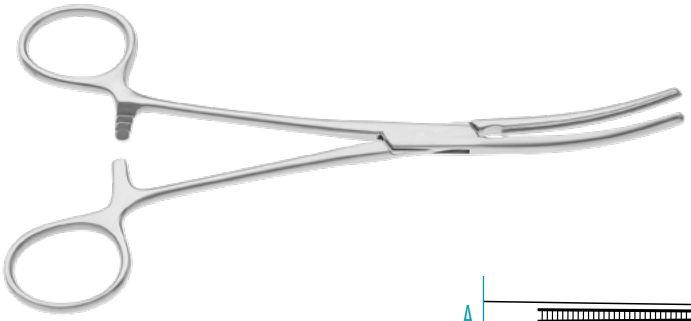
DEBAKEY KELLY
Atraumatic Forceps, 140mm, 5 1/2"

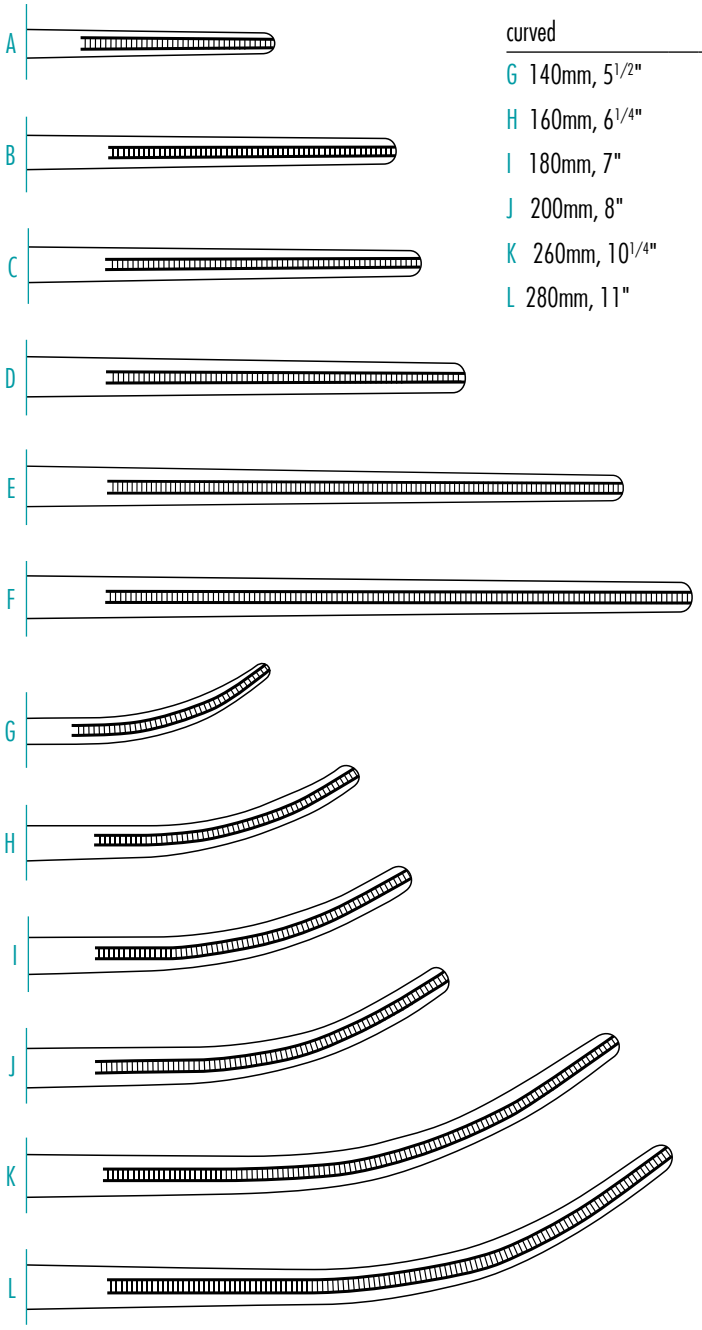
A straight	290-410-140
B curved	290-411-140



DEBAKEY RANKIN
Hemostatic Forceps, 160mm, 6 1/4"

A straight	290-300-160
B curved	290-301-160





DEBAKEY PEAN

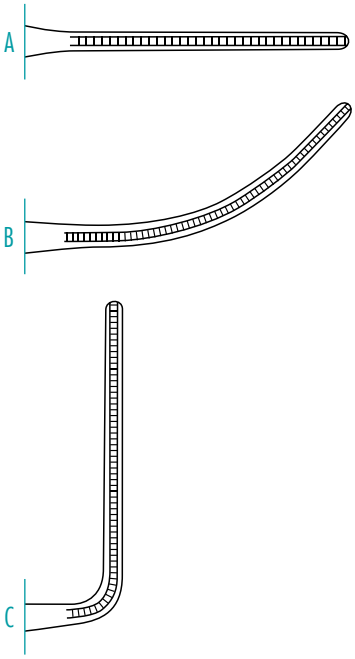
Hemostatic Forceps, straight

A	140mm, $5^{1/2}$"	290-438-140
B	160mm, $6^{1/4}$"	290-438-160
C	180mm, 7"	290-438-180
D	200mm, 8"	290-438-200
E	260mm, $10^{1/4}$"	290-438-260
F	280mm, 11"	290-438-280

curved

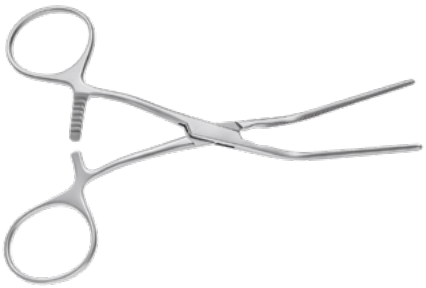
G	140mm, $5^{1/2}$"	290-439-140
H	160mm, $6^{1/4}$"	290-439-160
I	180mm, 7"	290-439-180
J	200mm, 8"	290-439-200
K	260mm, $10^{1/4}$"	290-439-260
L	280mm, 11"	290-439-280

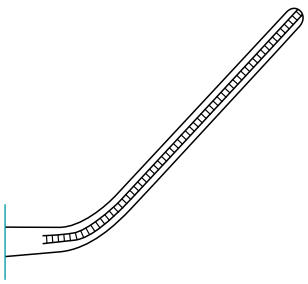




DEBAKEY
Vascular Clamp, straight shanks,

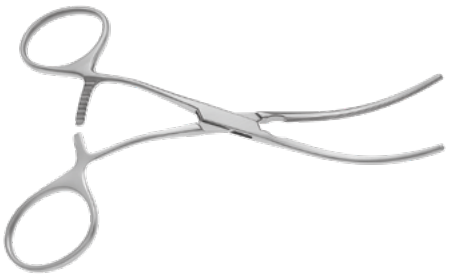
A straight jaw 120mm, 4 3/4"	290-458-120
B curved jaw 110mm, 4 1/3"	290-458-110
C angled jaw 100mm, 4"	290-458-100

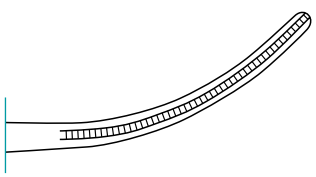




Shanks curved backwards

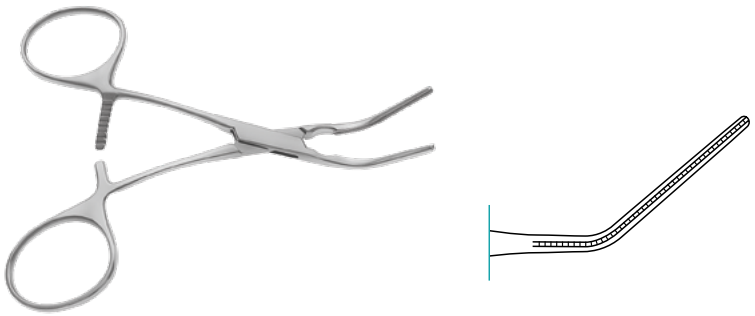
130mm, 5 1/8"	290-459-130





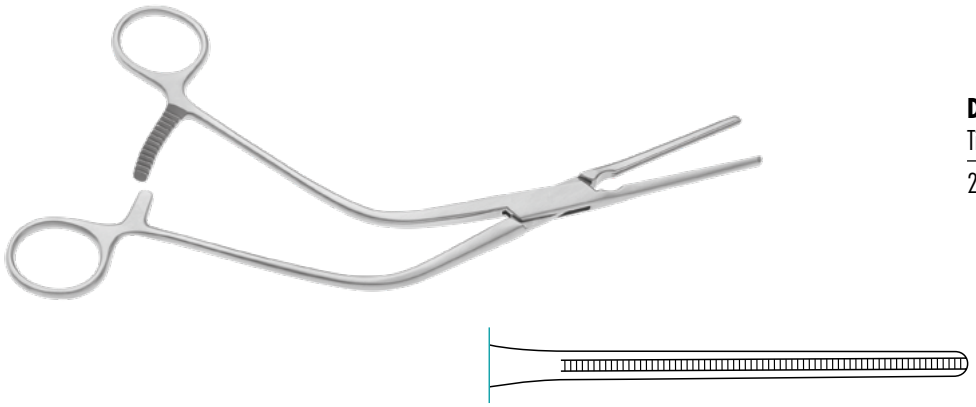
S-curved shanks

125mm, 5"	290-459-120



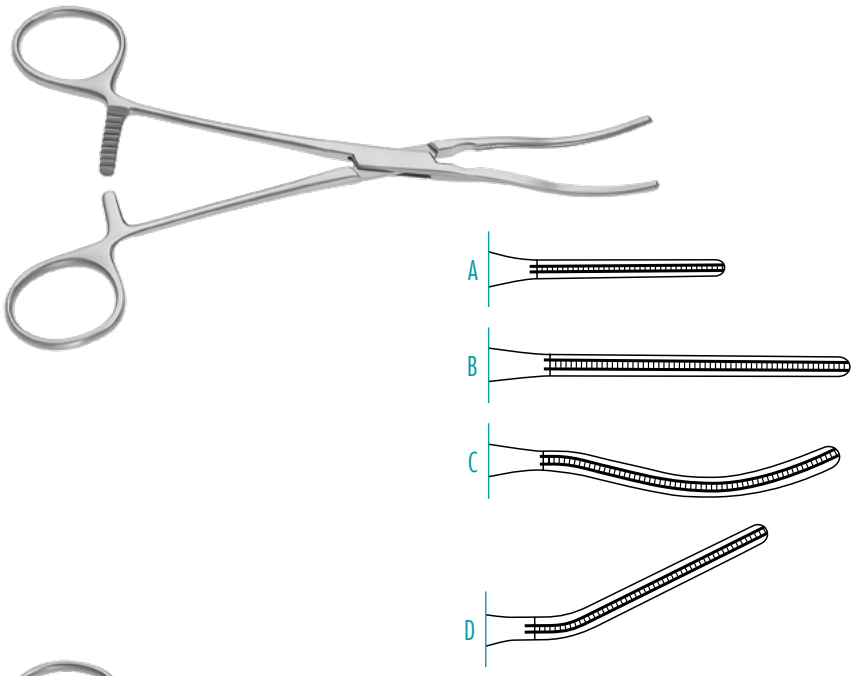
NOON
A.V. Fistula Clamp, 1x2 draft, 50° angled

110mm, $4^{1/3}$"	290-460-110



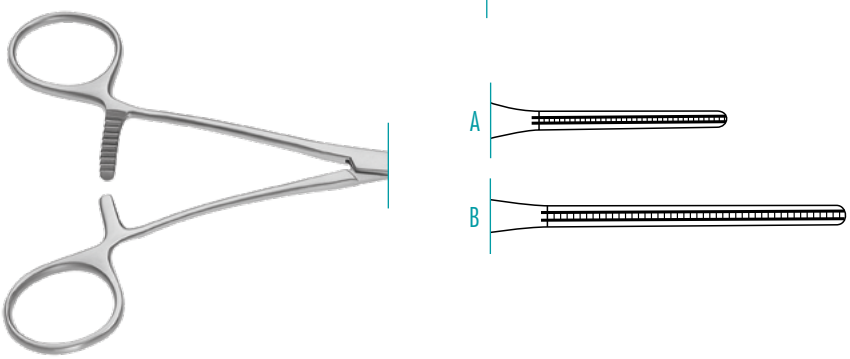
DEMOS
Tibial Artery Clamp, 60° angled shanks

200mm, 8"	290-407-200



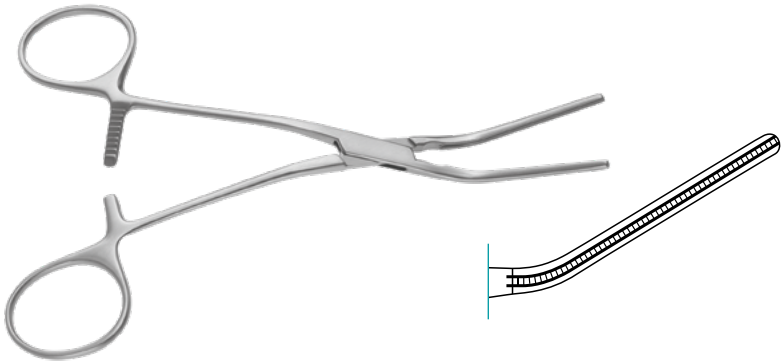
DEBAKEY
Pediatric Forceps, straight shanks

A	160mm, $6^{1/4}$"	290-440-160
B	170mm, $6^{2/3}$"	290-440-170
C	165mm, $6^{1/2}$"	290-451-170
D	155mm, $6^{1/8}$"	290-442-150



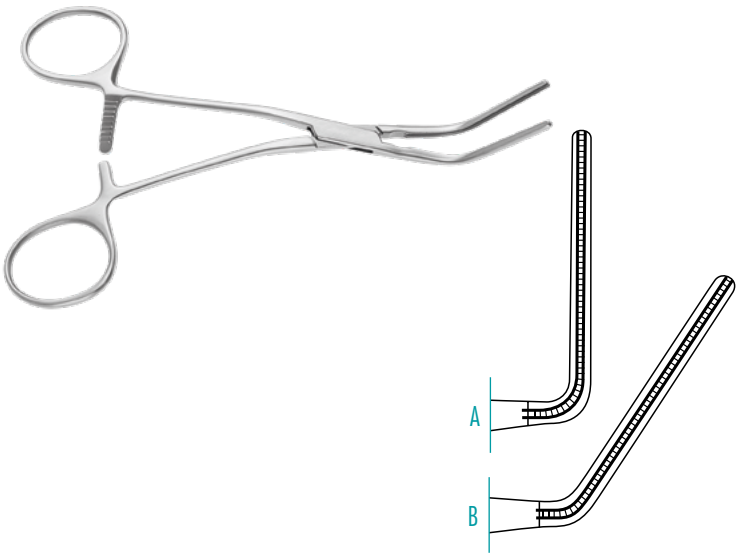
shanks angled forward

A	155mm, $6^{1/8}$"	290-447-155
B	170mm, $6^{2/3}$"	290-447-170



DEBAKEY
Pediatric Forceps,
shanks curved backwards, 30° angled

160mm, 6 1/4"	290-441-160



DEBAKEY
Pediatric Foceps, 150mm, 6"

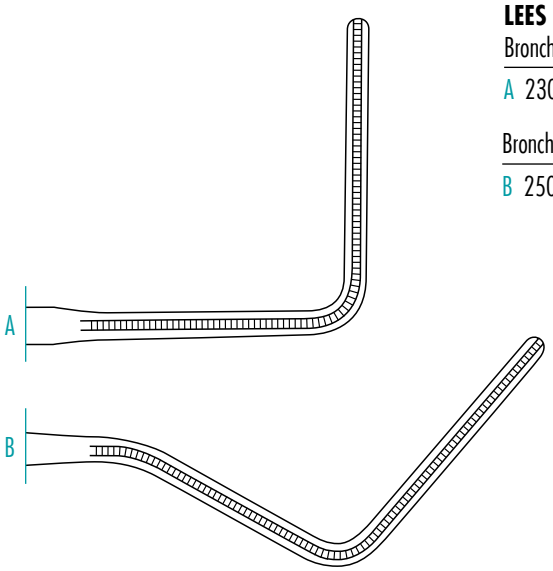
A 90°	290-445-150
B 60°	290-443-150



SAROT
Bronchus Clamp with pins, 230mm, 9"

Teeth left	290-237-230
Teeth right	290-238-230



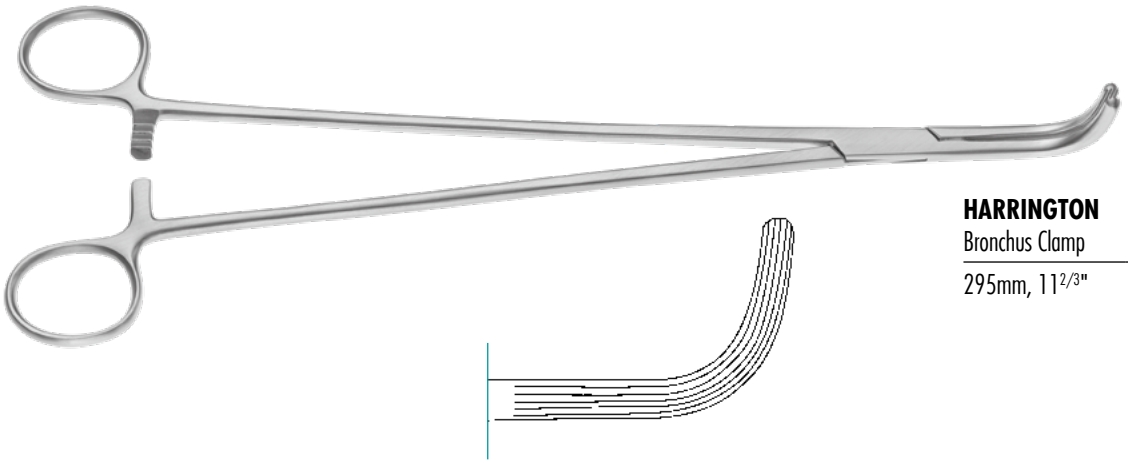


LEES
Bronchus Clamp

A 230mm, 9"	290-427-230

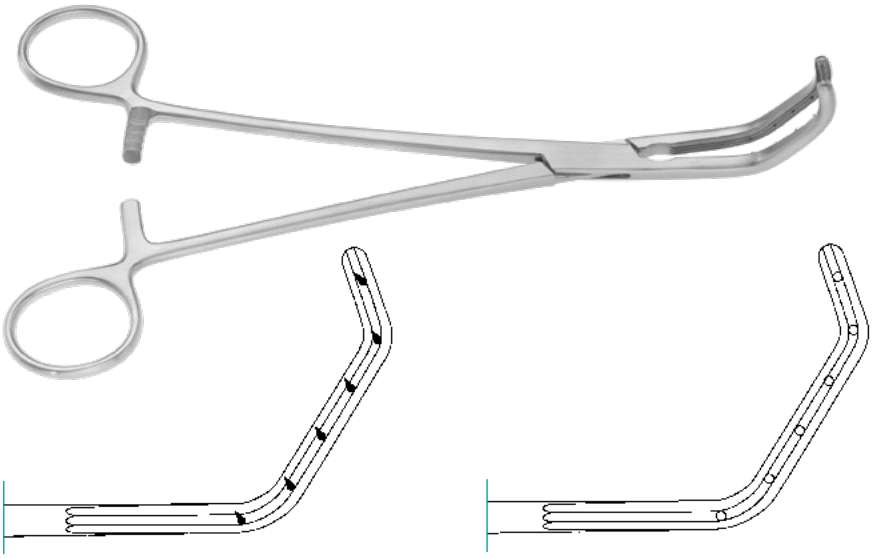
Bronchus Clamp

B 250mm, $9^{7/8}$"	290-429-250



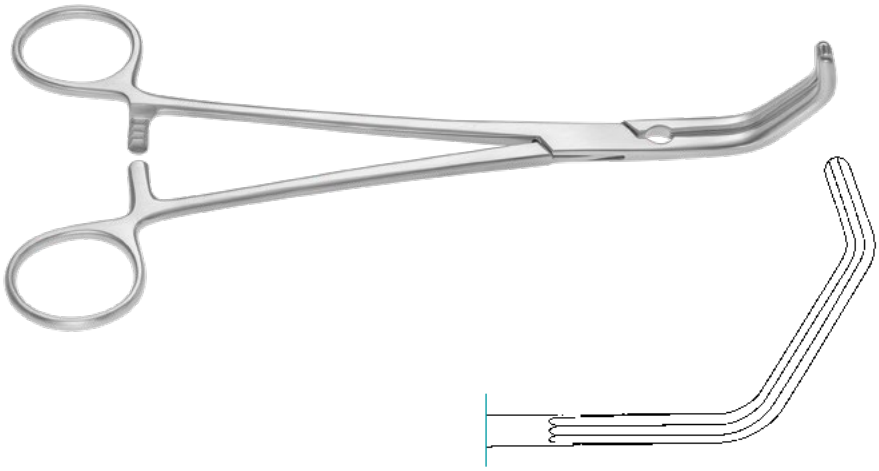
HARRINGTON
Bronchus Clamp

295mm, $11^{2/3}$"	290-271-295



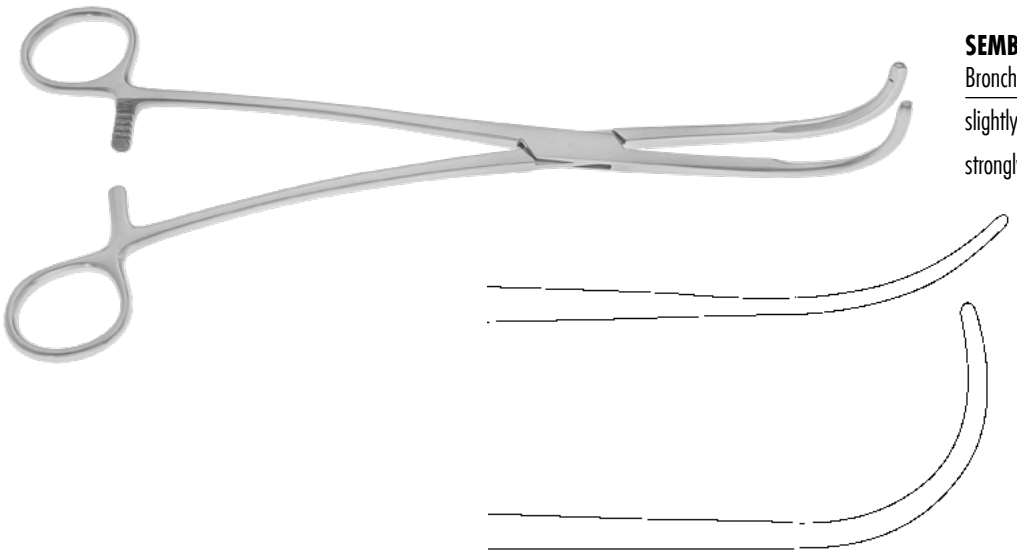
PRICE THOMAS
Bronchus Forceps, 220mm, $8^{2/3}$"

Fig. 1, teeth left	290-245-220
Fig. 2, teeth right	290-247-220



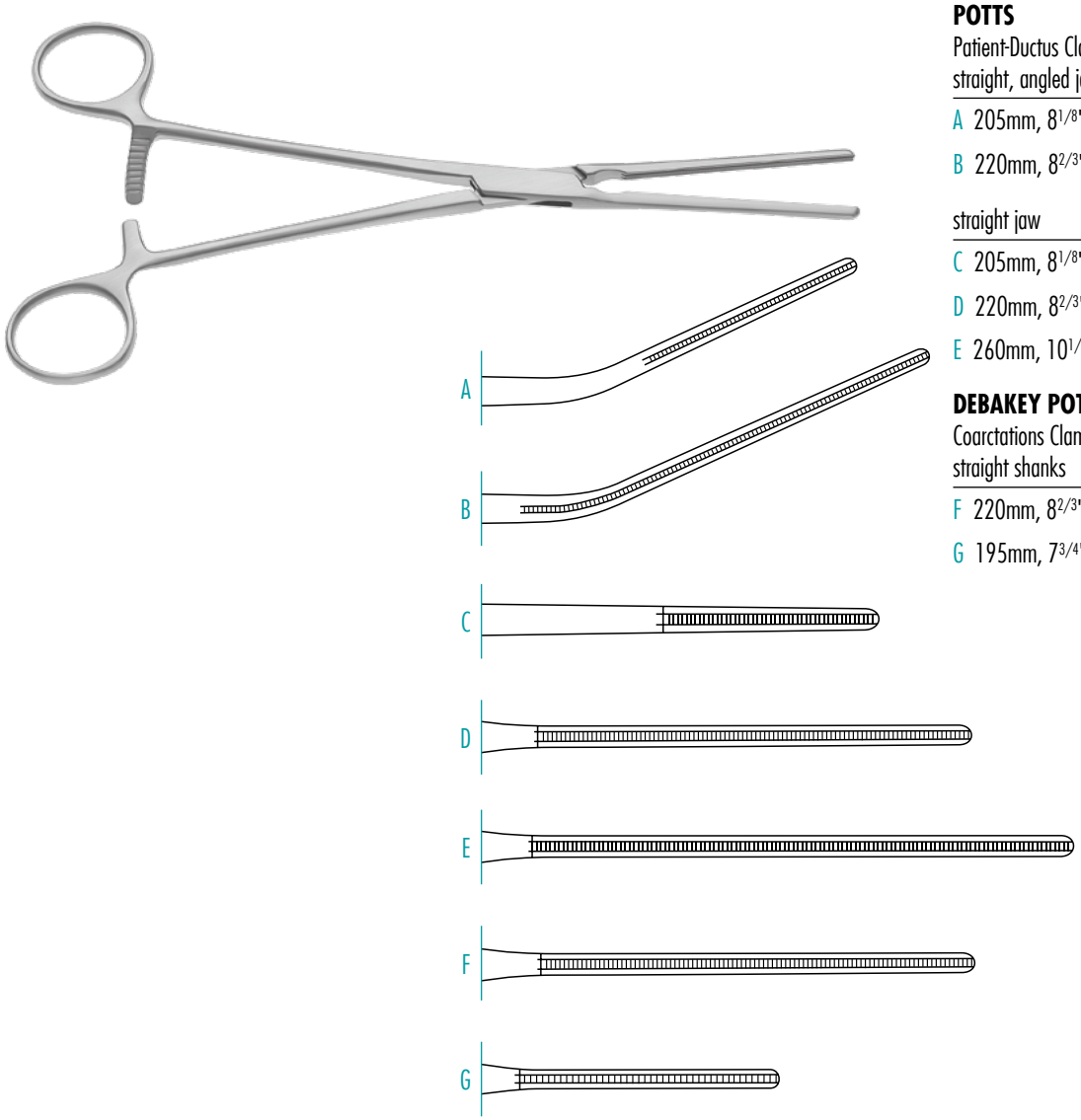
PRICE THOMAS
Bronchus Forceps

220mm, $8^{2/3}$"	290-241-220



SEMB
Bronchus Forceps, 250mm, $9^{7/8}$"

slightly curved	290-265-240
strongly curved	290-267-240



POTTS
Patient-Ductus Clamp and Coarctation Forceps
straight, angled jaw

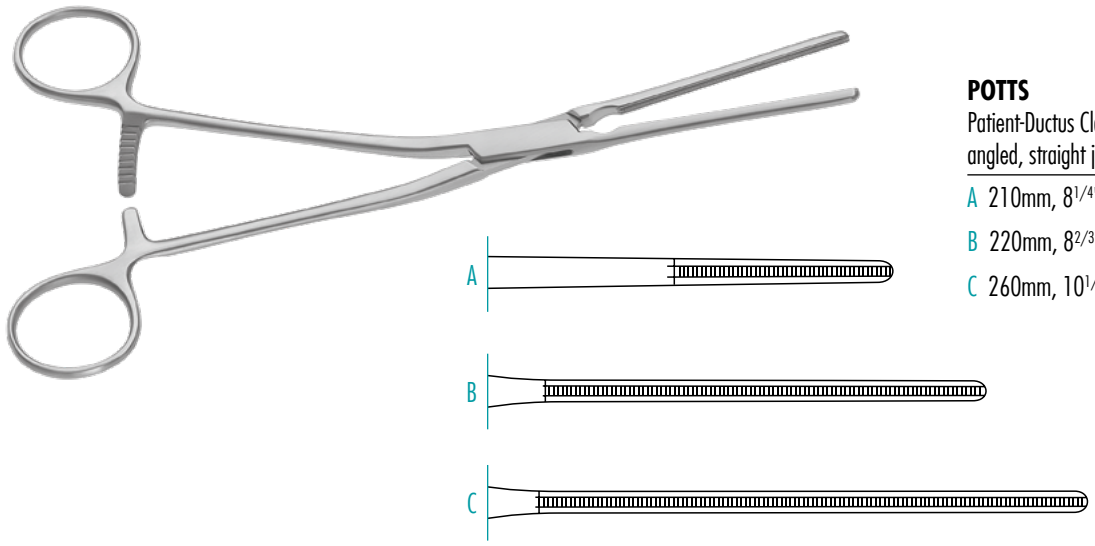
A	205mm, $8^{1/8}$"	290-401-210
B	220mm, $8^{2/3}$"	290-401-220

straight jaw

C	205mm, $8^{1/8}$"	290-400-210
D	220mm, $8^{2/3}$"	290-400-220
E	260mm, $10^{1/4}$"	290-400-260

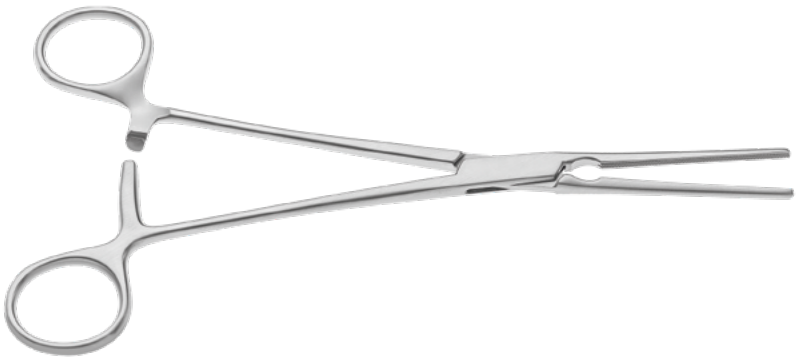
DEBAKEY POTTS
Coarctations Clamp
straight shanks

F	220mm, $8^{2/3}$"	290-400-225
G	195mm, $7^{3/4}$"	290-400-195



POTTS
Patient-Ductus Clamp and Coarctation Forceps
angled, straight jaw

A	210mm, $8^{1/4}$"	290-403-210
B	220mm, $8^{2/3}$"	290-403-220
C	260mm, $10^{1/4}$"	290-403-260



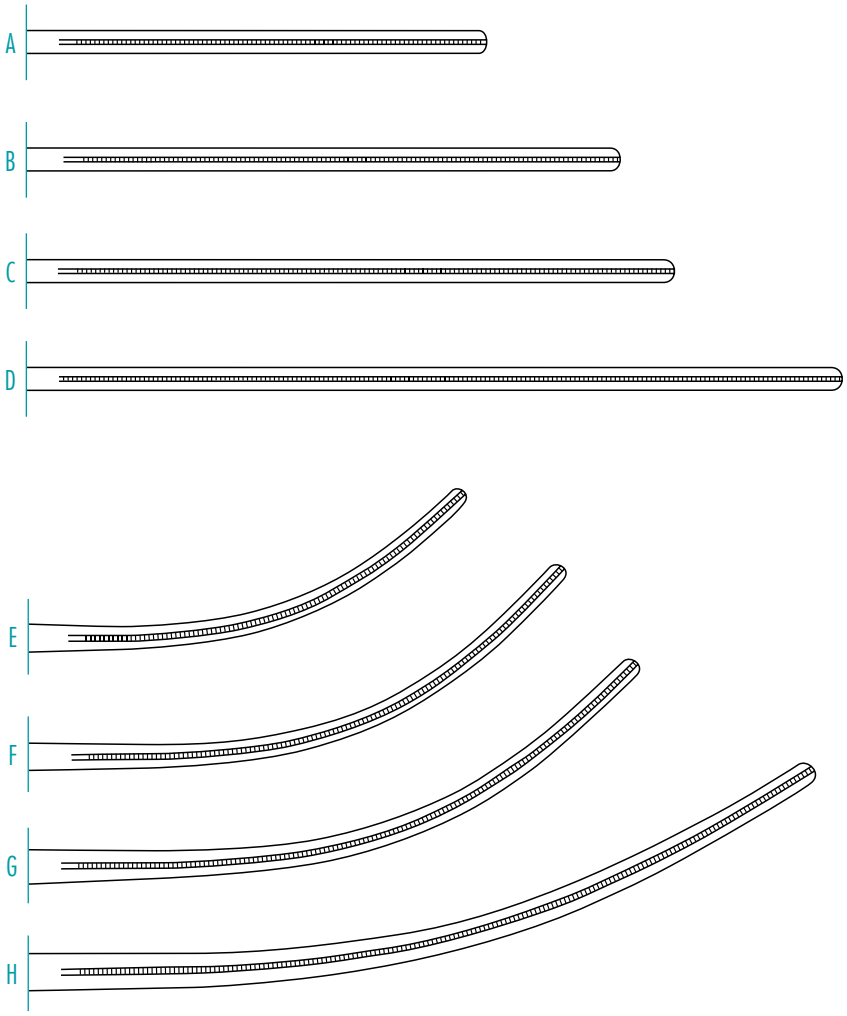
DEBAKEY

Coarctation Clamp, straight jaw

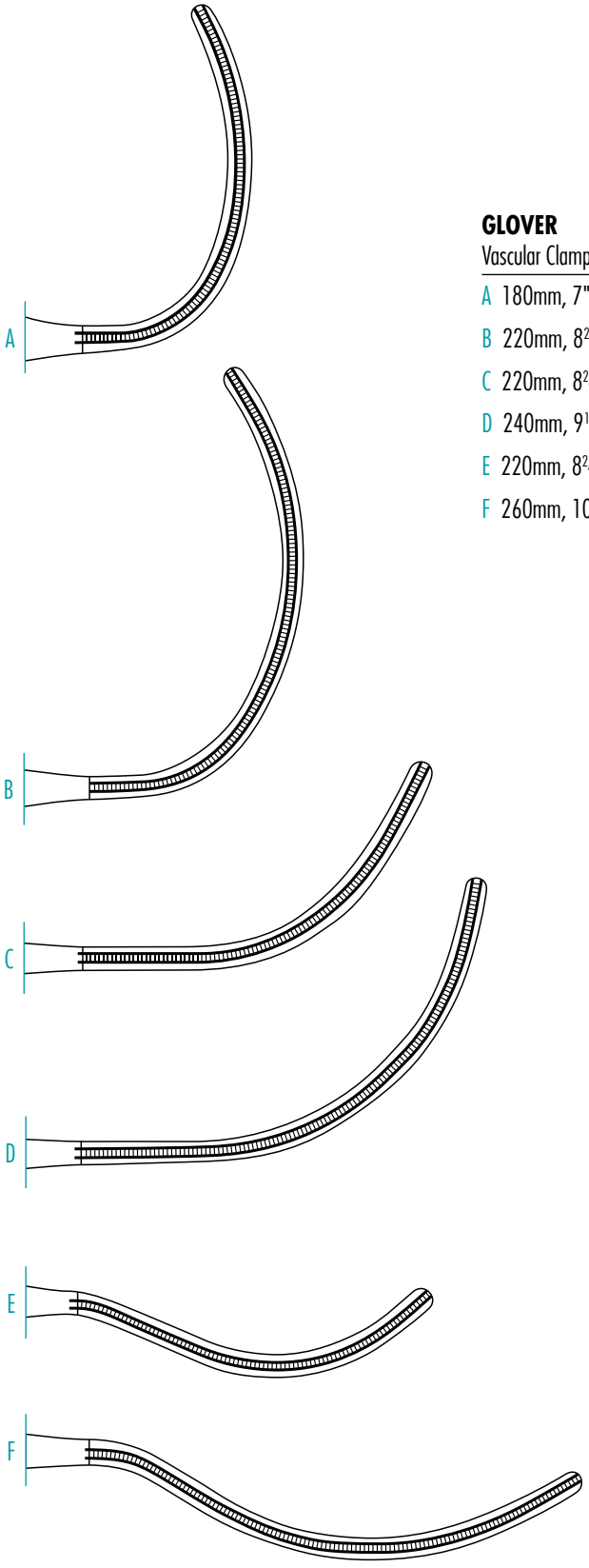
A	215mm, $8^{1/2}$"	290-434-210
B	230mm, 9"	290-434-230
C	270mm, $10^{2/3}$"	290-434-270
D	315mm, $12^{1/2}$"	290-434-310

curved jaw

E	215mm, $8^{1/2}$"	290-435-210
F	230mm, 9"	290-435-230
G	270mm, $10^{2/3}$"	290-435-270
H	315mm, $12^{1/2}$"	290-435-310

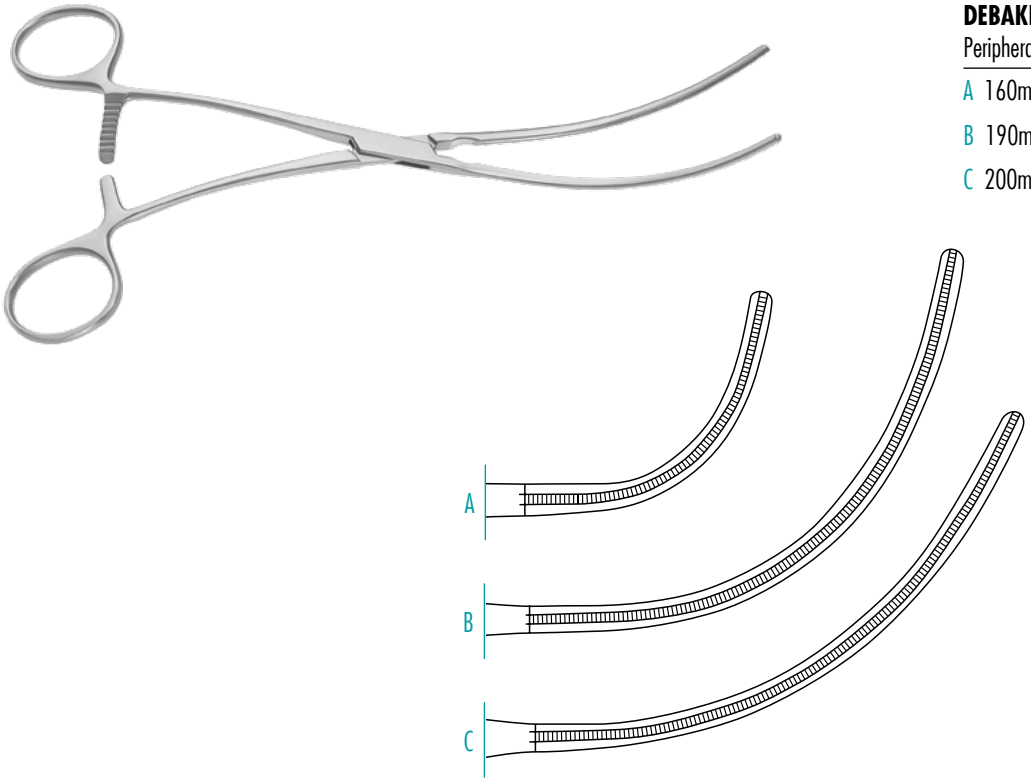






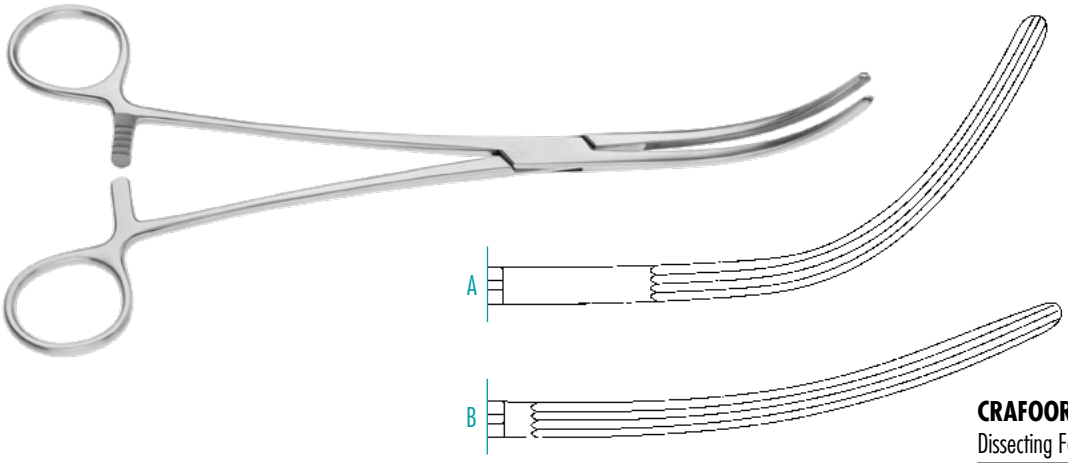
GLOVER
Vascular Clamp

A 180mm, 7"	290-405-195
B 220mm, $8^{2/3}$"	290-405-210
C 220mm, $8^{2/3}$"	290-451-215
D 240mm, $9^{1/2}$"	290-451-240
E 220mm, $8^{2/3}$"	290-412-220
F 260mm, $10^{1/4}$"	290-412-260



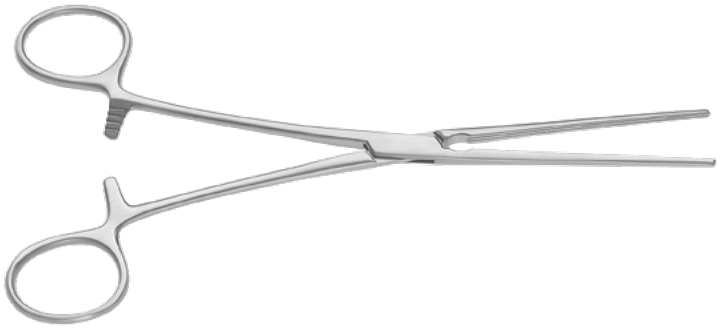
DEBAKEY
Peripheral Vascular Clamp

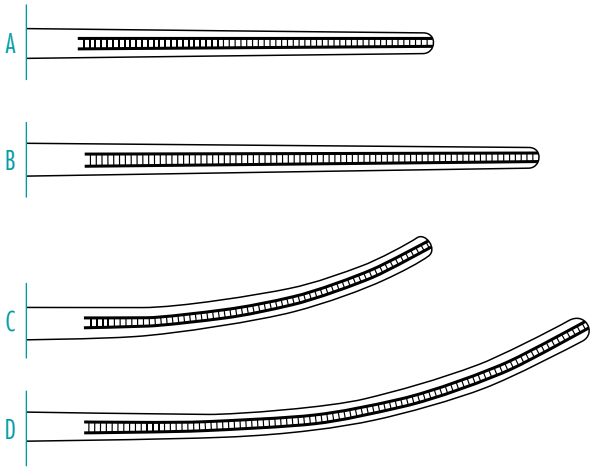
A	160mm, 6 1/4"	290-409-160
B	190mm, 7 1/2"	290-411-190
C	200mm, 8"	290-411-200



CRAFOORD SELLORS
Dissecting Forceps

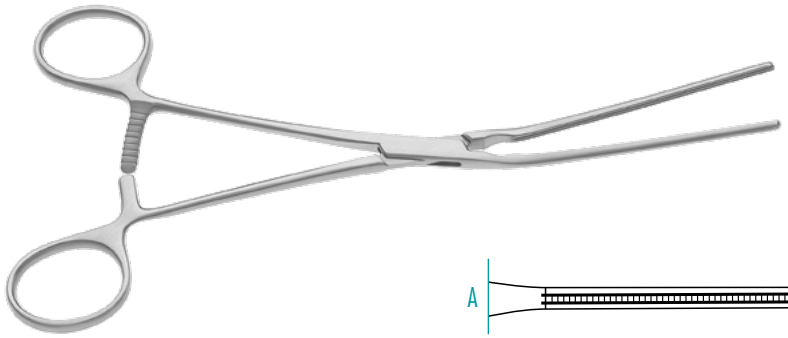
A	230mm, 9"	140-383-230
B	240mm, 9 1/2"	140-385-240

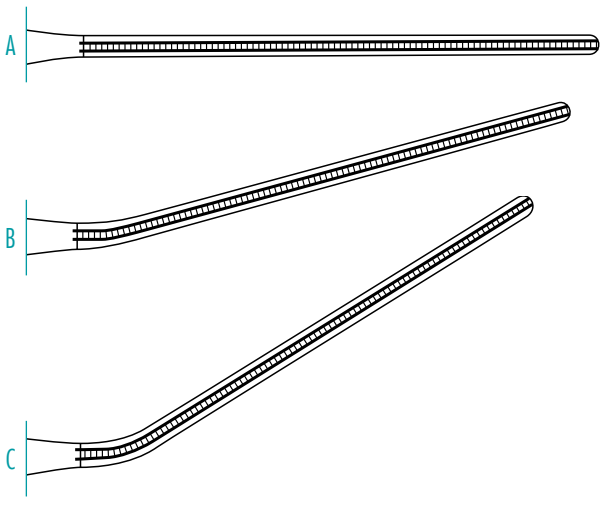




DEBAKEY BAINBRIDGE
Vascular Forceps

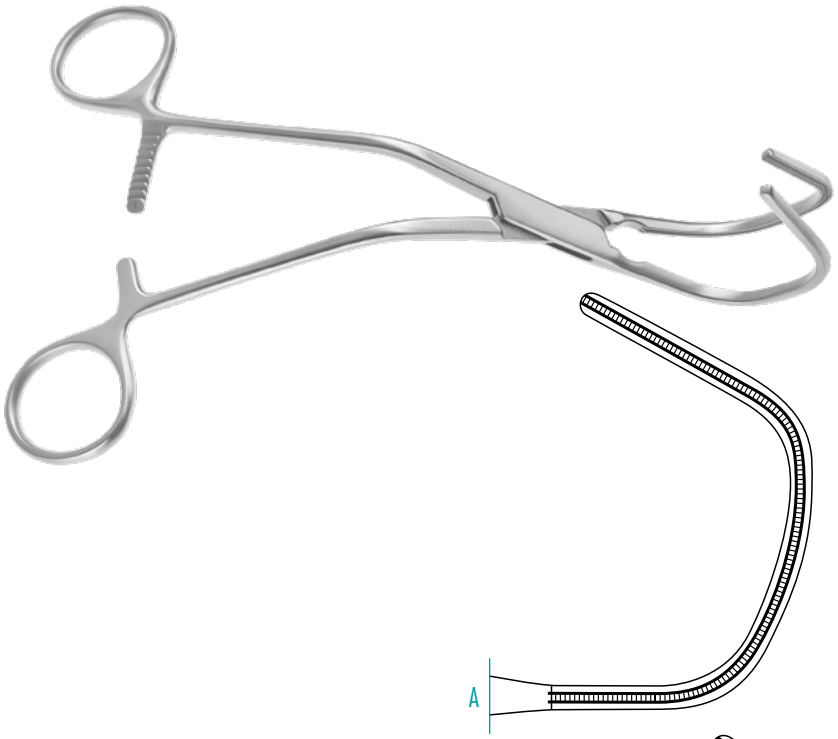
A	150mm, 6"	290-414-150
B	180mm, 7"	290-414-180
C	150mm, 6"	290-415-150
D	180mm, 7"	290-415-180

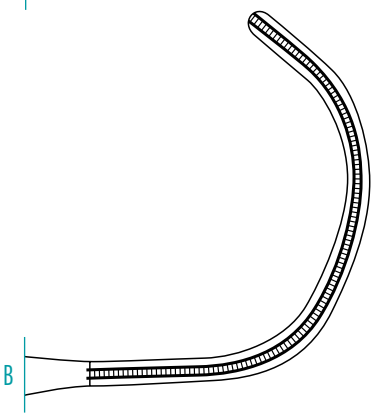




LELAND JONES
Peripheral Vascular Forceps, straight

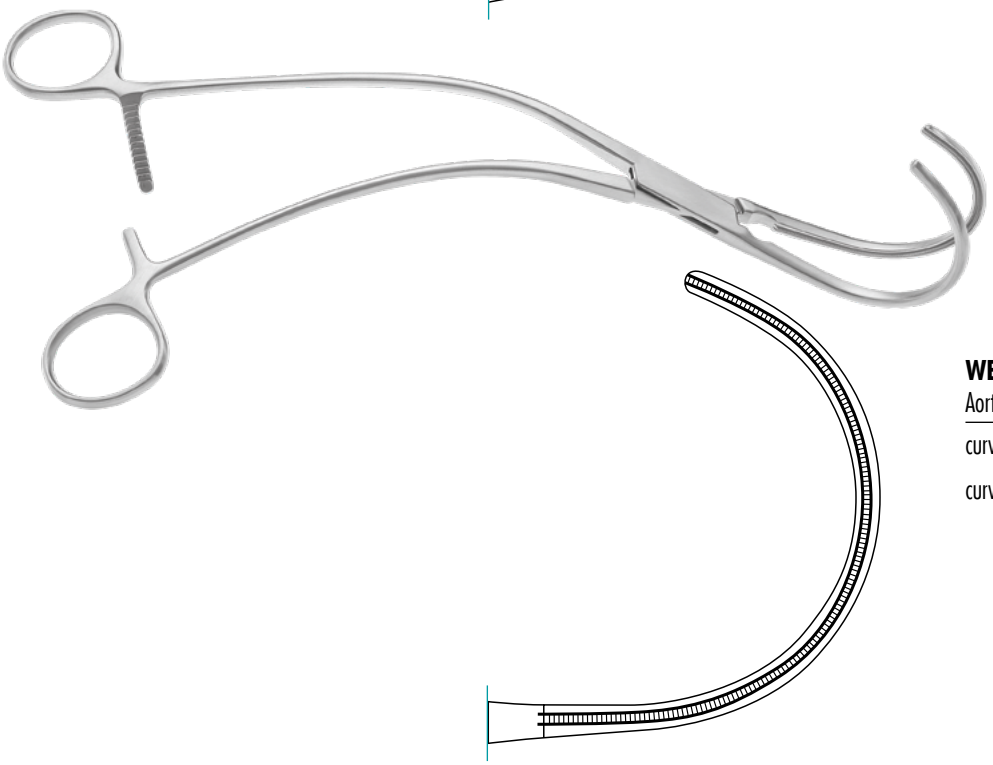
A	200mm, 8"	290-413-195
15° angled		
B	200mm, 8"	290-413-200
30° angled		
C	190mm, 7 1/2"	290-413-190





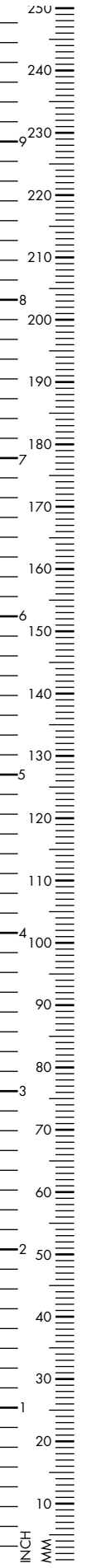
KAY LAMBERT
Anastomosis Clamp

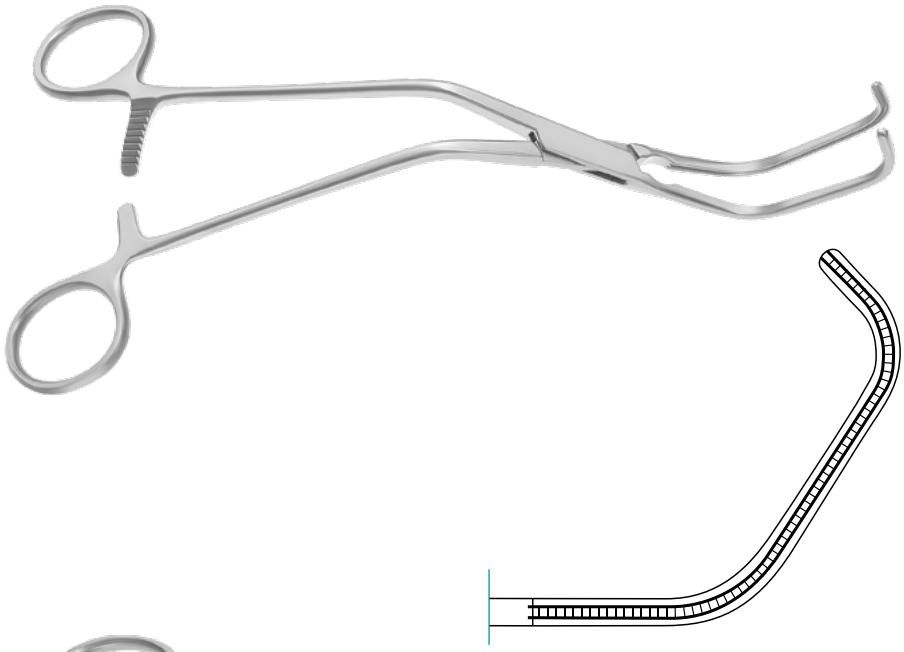
A 220mm, $8^{2/3}$"	290-430-220
B 210mm, $8^{1/4}$"	290-430-210



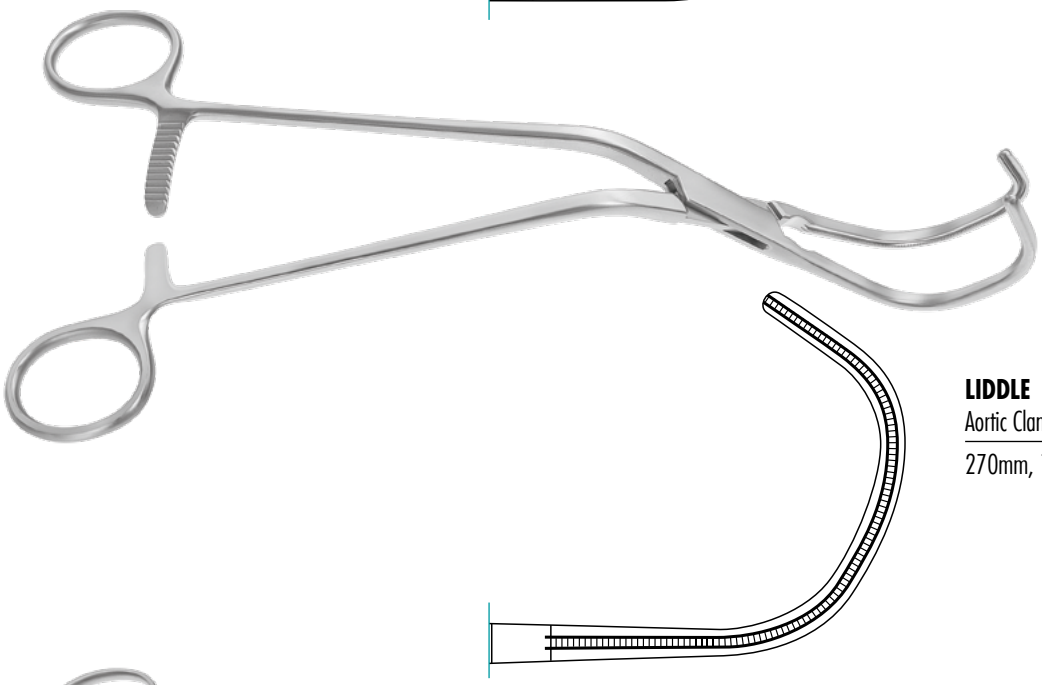
WEBER
Aortic Clamp, 260mm, $10^{1/4}$"

curved left	290-424-001
curved right	290-424-002

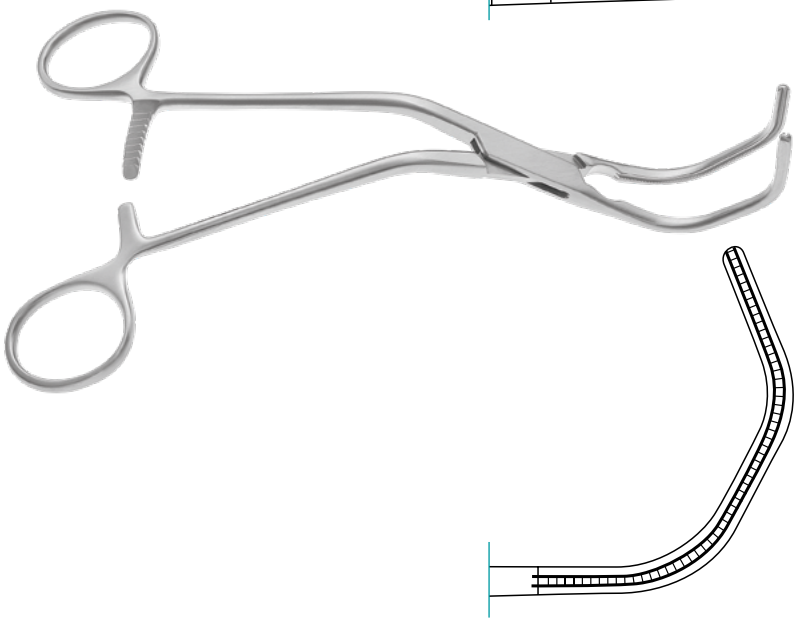




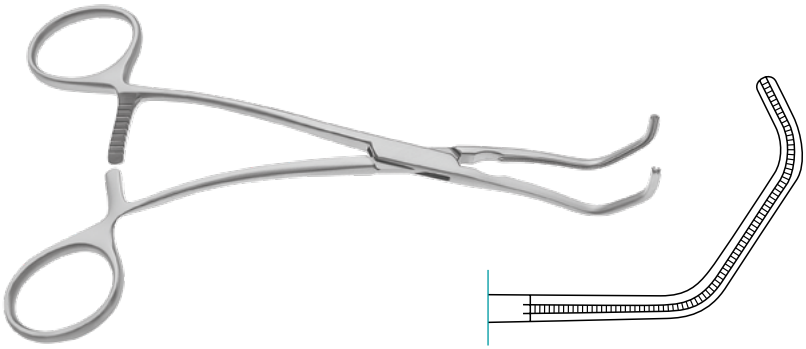
OCHSNER
Aortic Clamp
235mm, 9 1/4" 290-317-230



LIDDLE
Aortic Clamp
270mm, 10 2/3" 290-318-270



DIETHRICH
Aortic Clamp
210mm, 8 1/4" 290-319-210



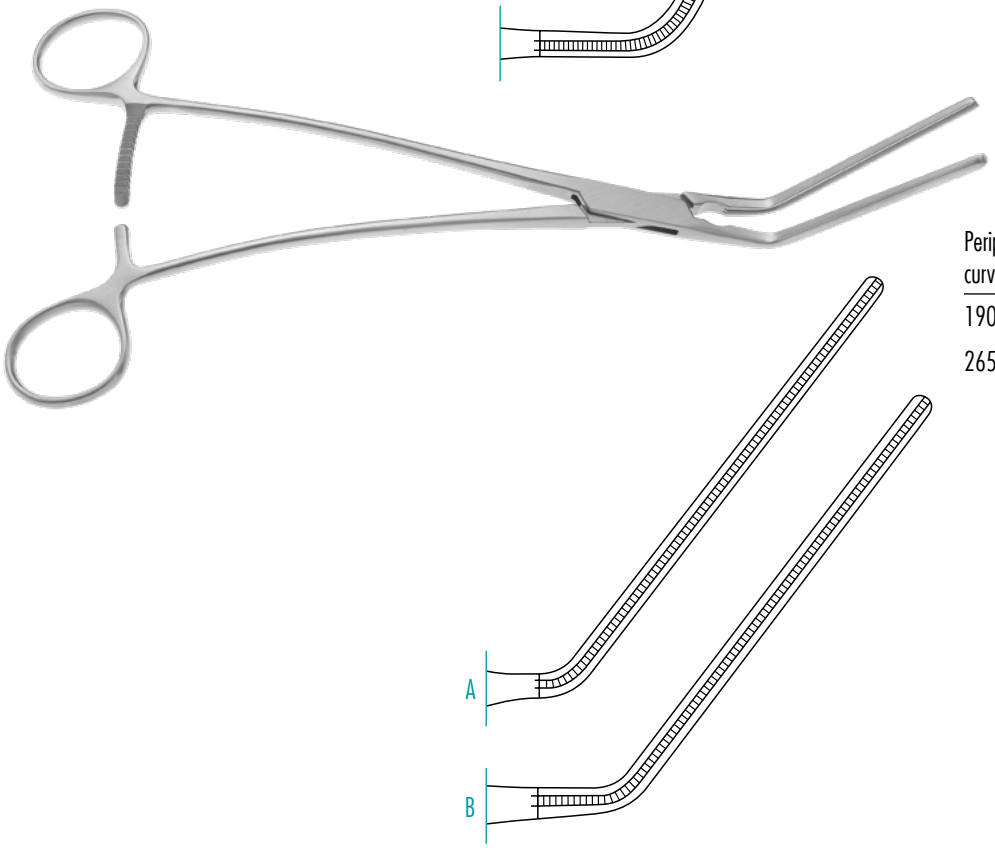
HONGKONG DERRA
Vascular Clamp

170mm, $6^{2/3}$"	290-432-170



BEIJING SATINSKY
Vascular Clamp

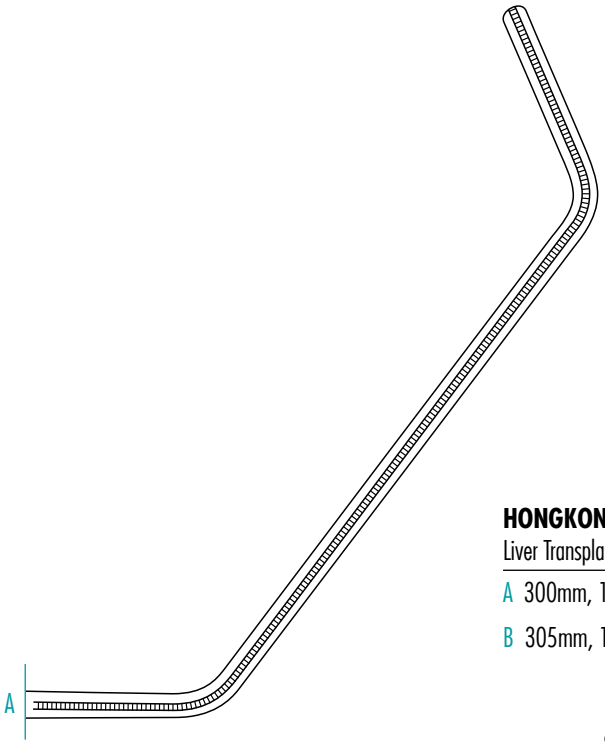
225mm, $8^{7/8}$"	290-425-220

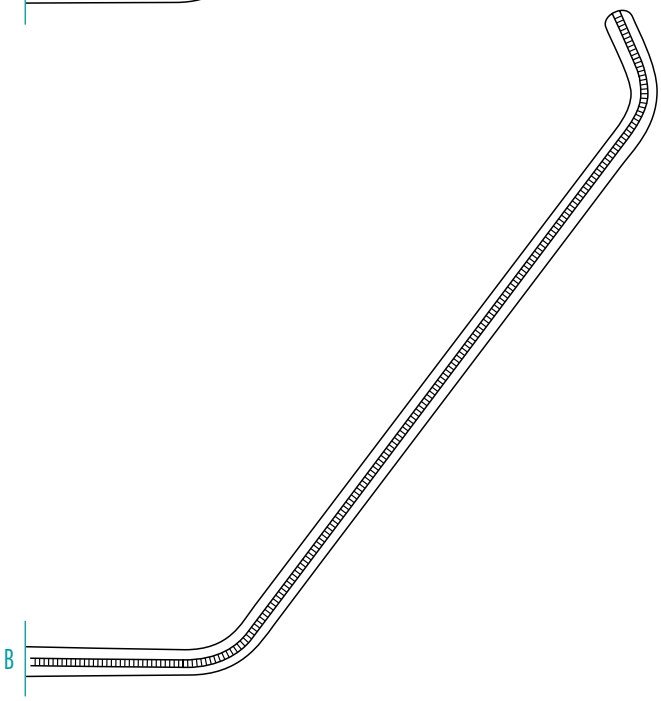


Peripheral Vascular Clamp
curved shanks, angled jaw

190mm, $7^{1/2}$"	290-402-190
265mm, $10^{1/2}$"	290-402-260

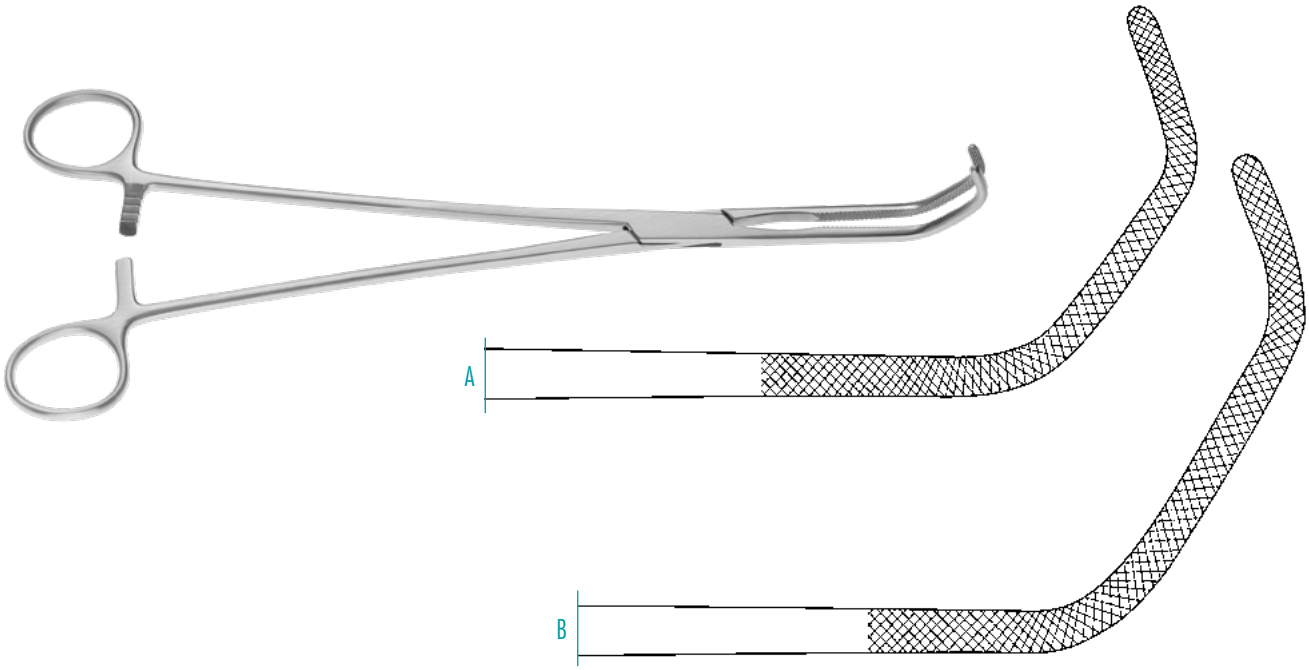






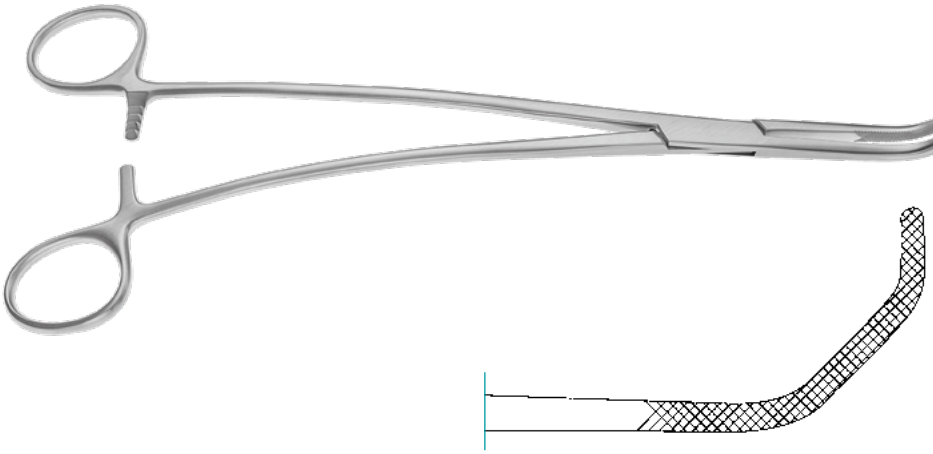
HONGKONG SATINSKY
Liver Transplant Clamp

A	300mm, 11 7/8"	290-426-300
B	305mm, 12"	290-426-305



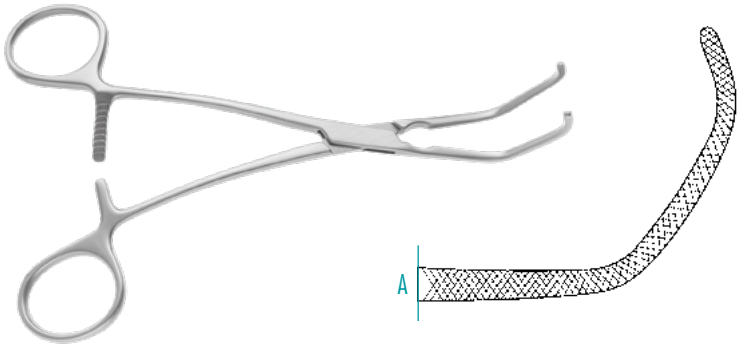
SATINSKY
Anastomosis Clamp, 260mm, 10 1/4"

A Fig. 1	290-321-260
B Fig. 2	290-323-260



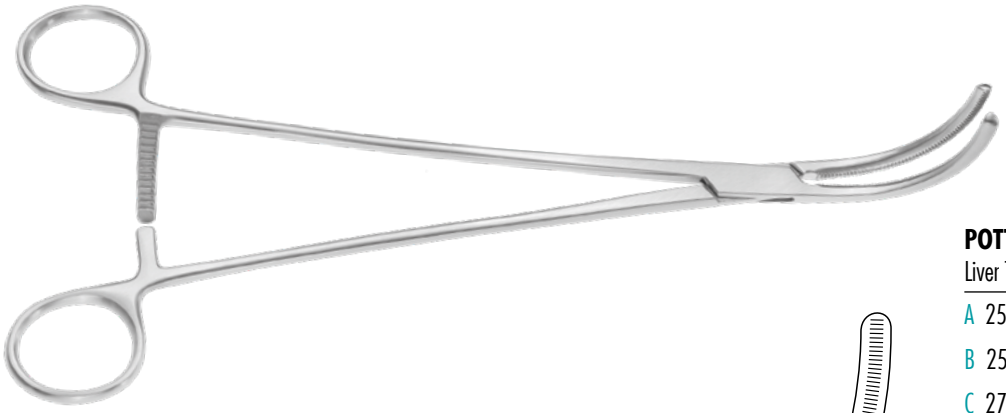
SATINSKY
Vena Cava Clamp S, Fig. 1

265mm, 10 1/2"	290-325-260



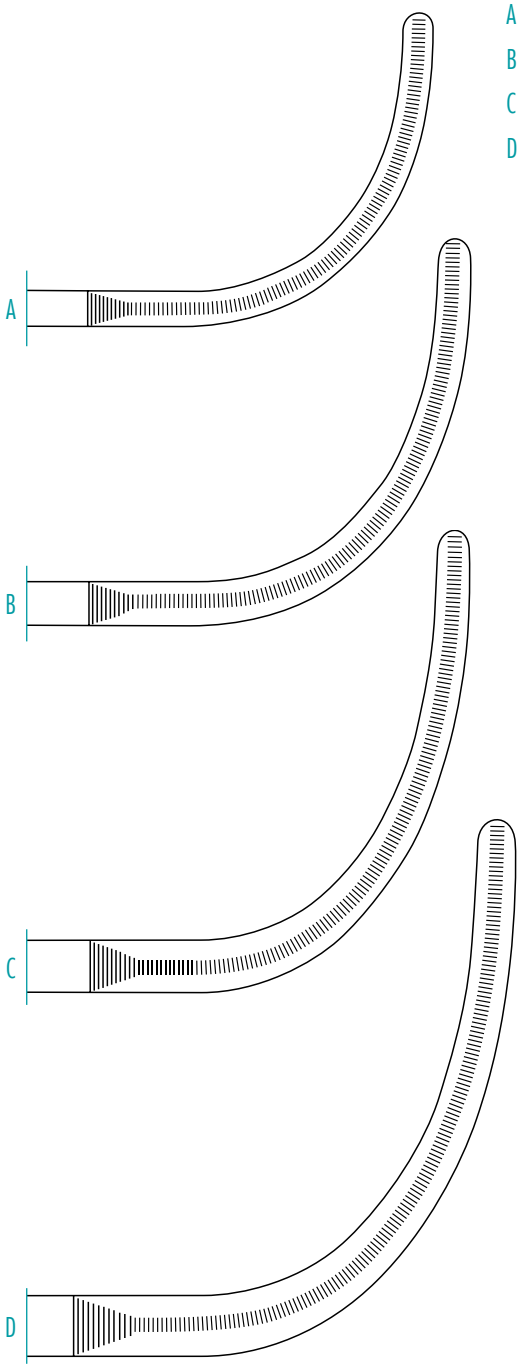
SATINSKY
Anastomosis Clamps, curved

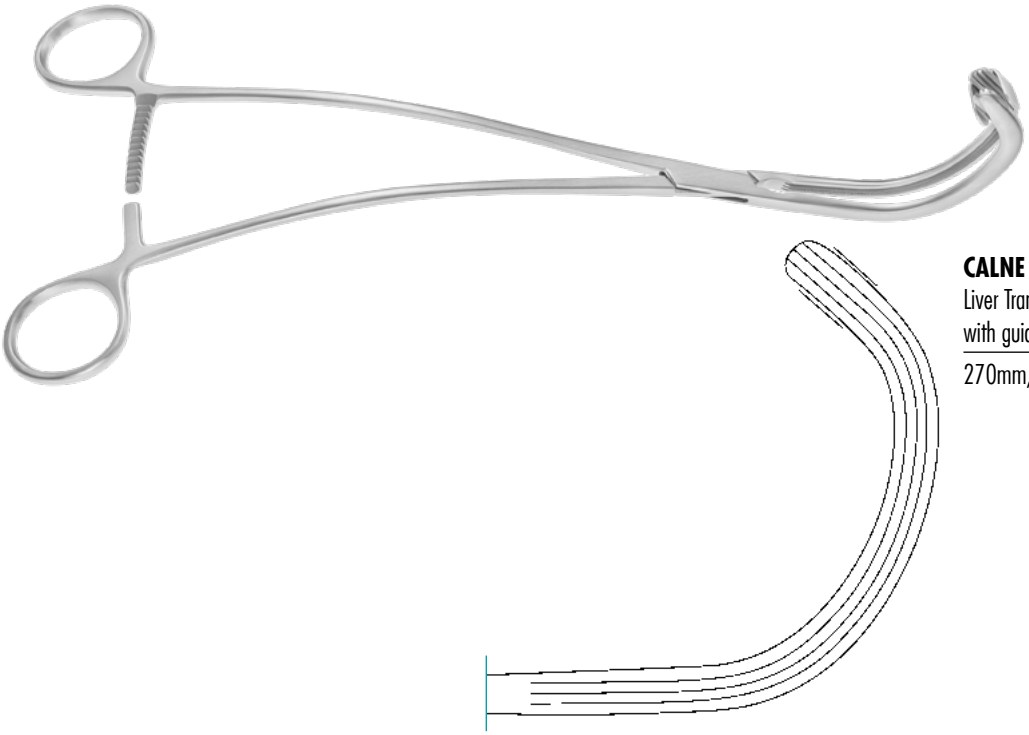
150mm, 6"	290-331-150



POTTS
Liver Transplant Clamp

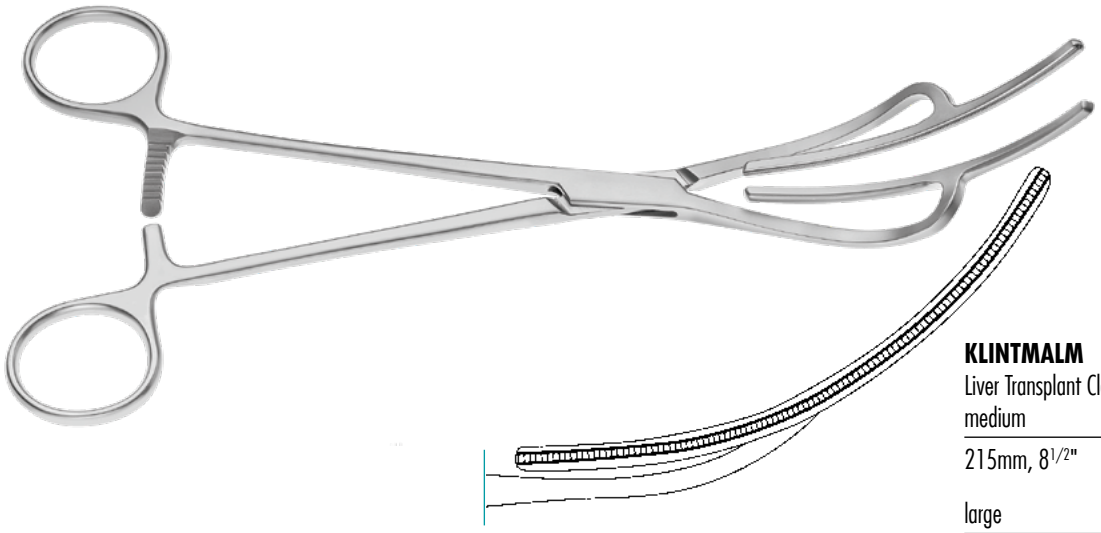
A	255mm, 10"	290-755-255
B	255mm, 10"	290-756-255
C	270mm, 10 2/3"	290-757-270
D	280mm, 11"	290-758-280





CALNE
Liver Transplant Clamp
with guide lock

270mm, $10^{2/3}$"	290-418-270

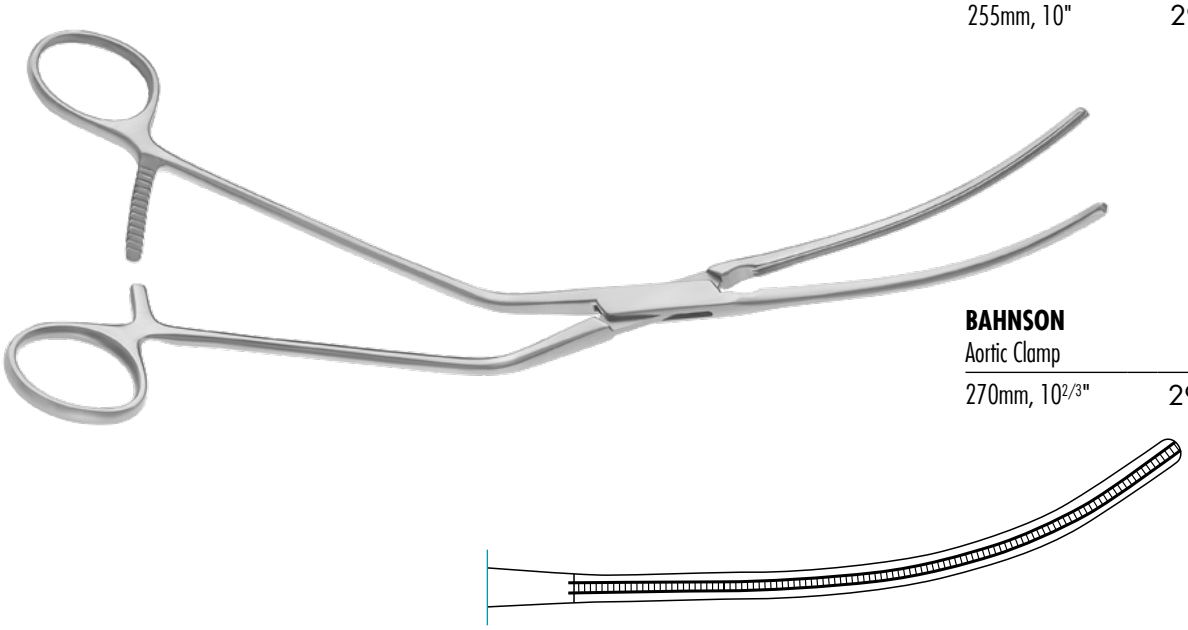


KLINTMALM
Liver Transplant Clamp
medium

215mm, $8^{1/2}$"	290-680-215

large

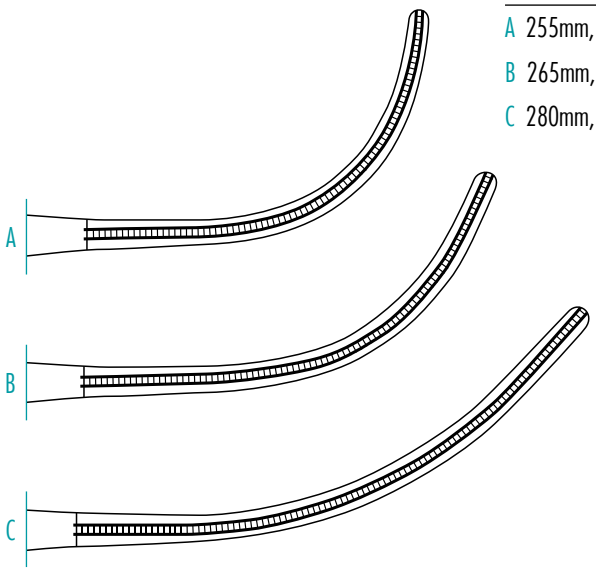
255mm, 10"	290-695-255



BAHNSON
Aortic Clamp

270mm, $10^{2/3}$"	290-418-280

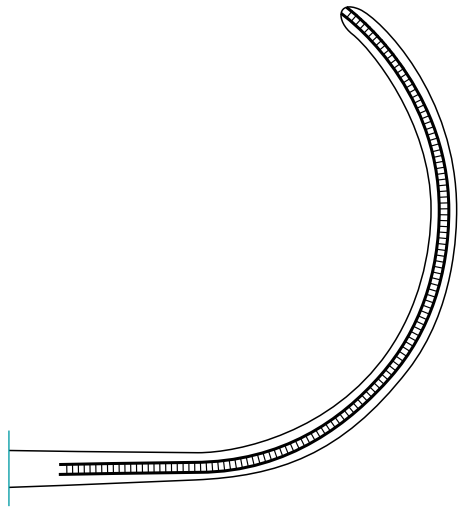




DEBAKEY BAHNSON
Aortic Aneurysm Clamp

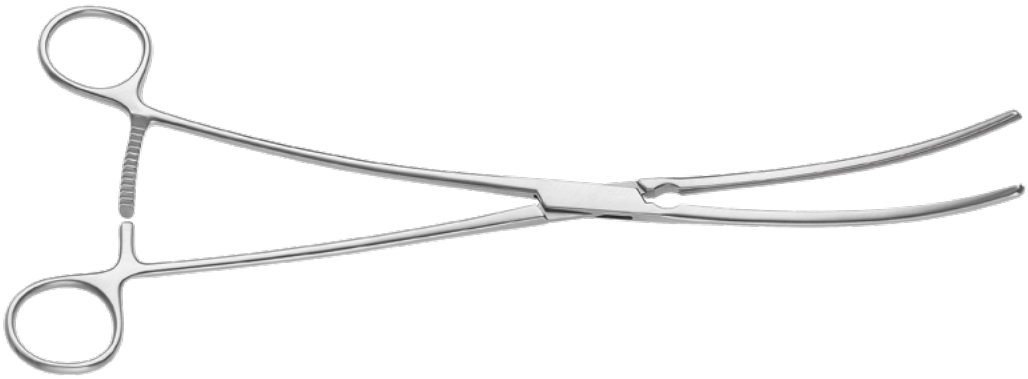
A 255mm, 10"	290-433-230
B 265mm, 10 1/2"	290-433-250
C 280mm, 11"	290-433-270



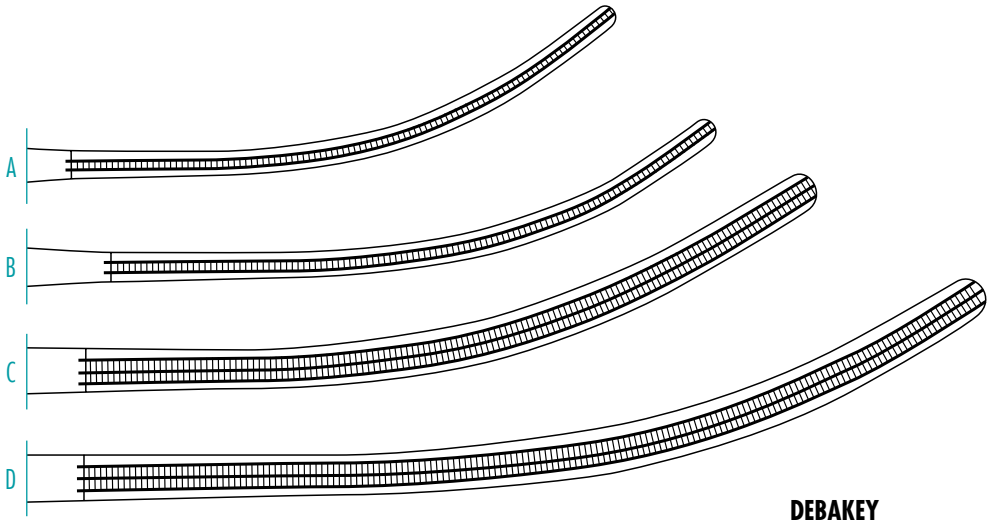


DEBAKEY
Aortic Clamp

260mm, 10 1/4"	290-423-260







DEBAKEY

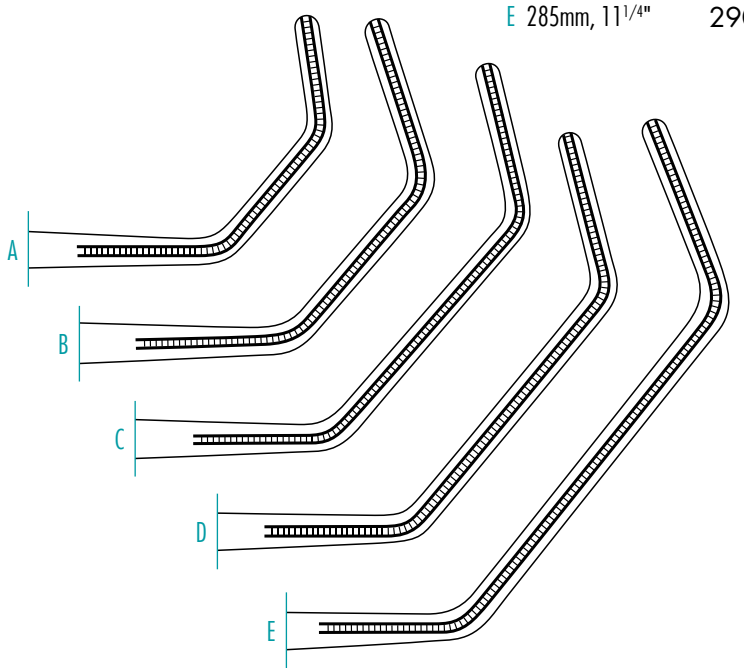
Aortic Aneurysm Clamp, c-curved

1x2 teeth	
A 260mm, 10 1/4"	290-417-260
B 270mm, 10 2/3"	290-417-300
2x3 teeth	
C 310mm, 12 1/4"	290-418-310
D 335mm, 13"	290-418-330
s-curved, 2x3 teeth	
B 270mm, 10 2/3"	290-420-300



SATINSKY
Tangential Clamp

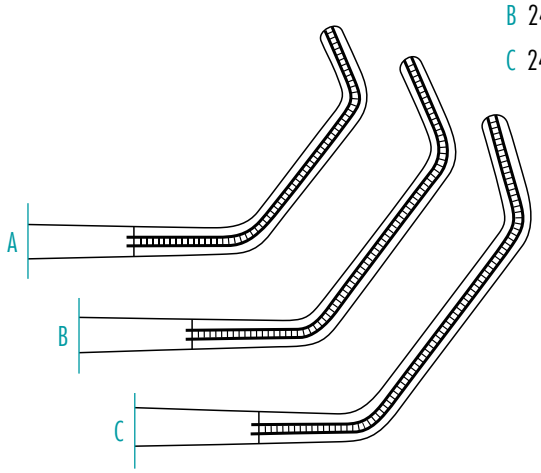
A	200mm, 8"	290-425-200
B	240mm, 9 1/2"	290-425-240
C	250mm, 9 7/8"	290-425-250
D	265mm, 10 1/2"	290-425-260
E	285mm, 11 1/4"	290-425-275

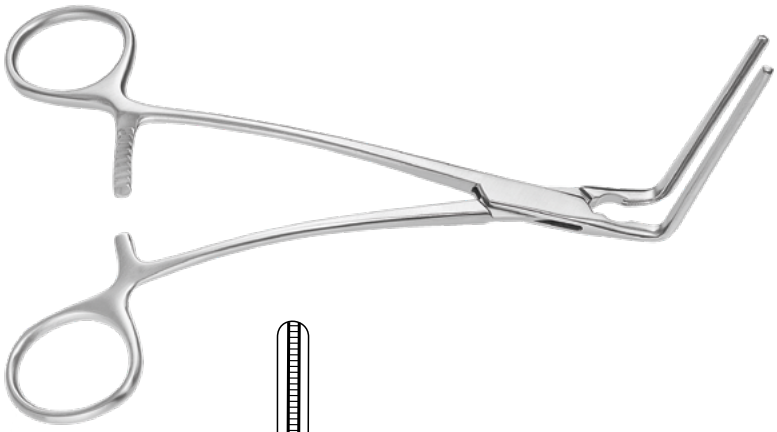




SATINSKY
Tangential Occlusion Clamp

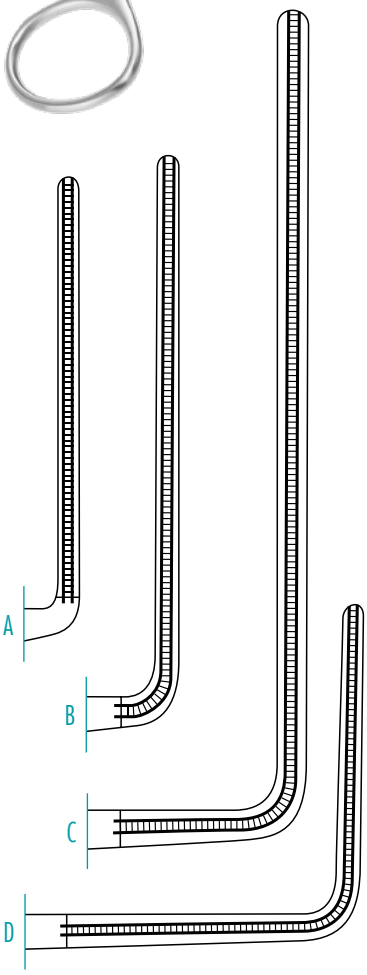
A	235mm, 9 1/4"	290-511-235
B	240mm, 9 1/2"	290-511-240
C	245mm, 9 2/3"	290-511-245

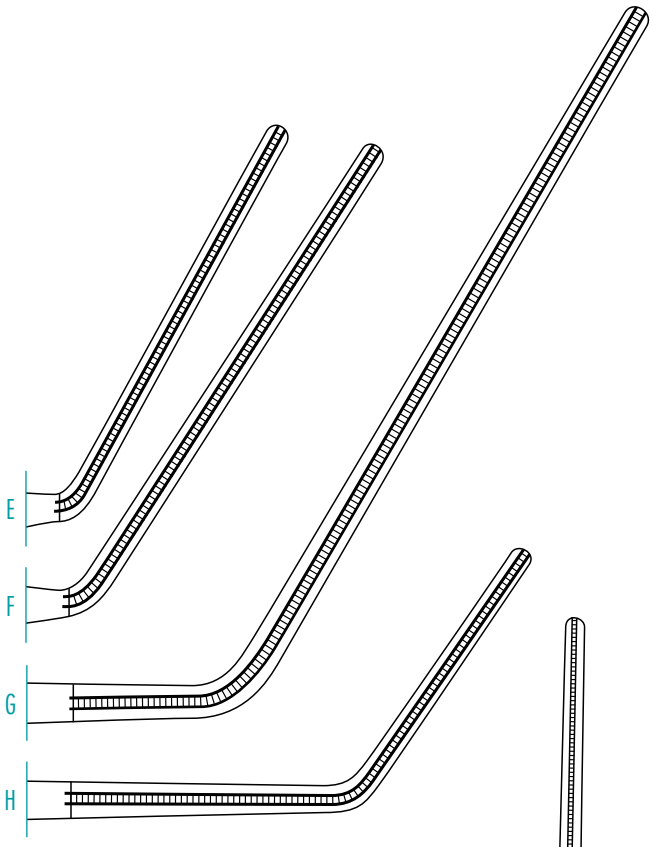


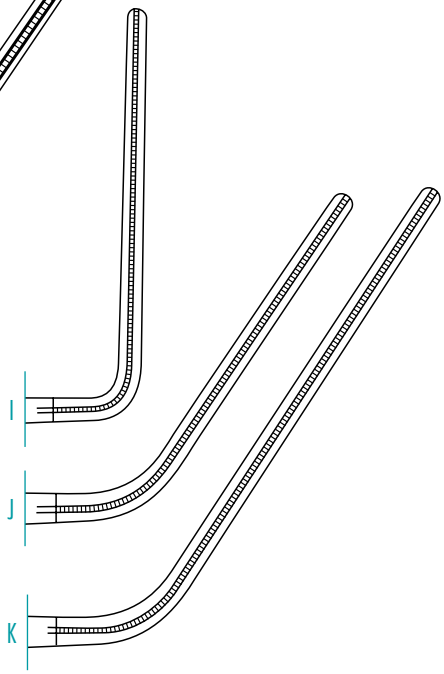


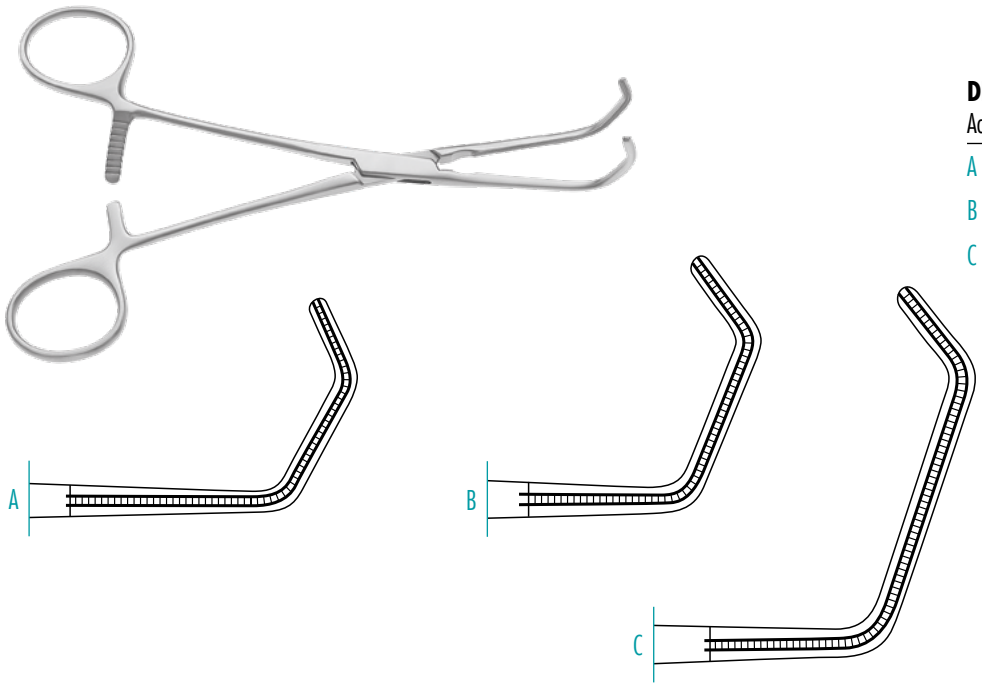
DEBAKEY
Multi-Purpose Clamps

A	180mm, 7"	290-436-180
B	190mm, 7 1/2"	290-436-190
C	225mm, 8 7/8"	290-436-230
D	270mm, 10 2/3"	290-436-270
E	200mm, 8"	290-437-200
F	210mm, 8 1/4"	290-437-210
G	290mm, 11 1/2"	290-437-290
H	250mm, 9 7/8"	290-437-250
I	180mm, 7"	290-442-180
J	190mm, 7 1/2"	290-442-190
K	210mm, 8 1/4"	290-442-210



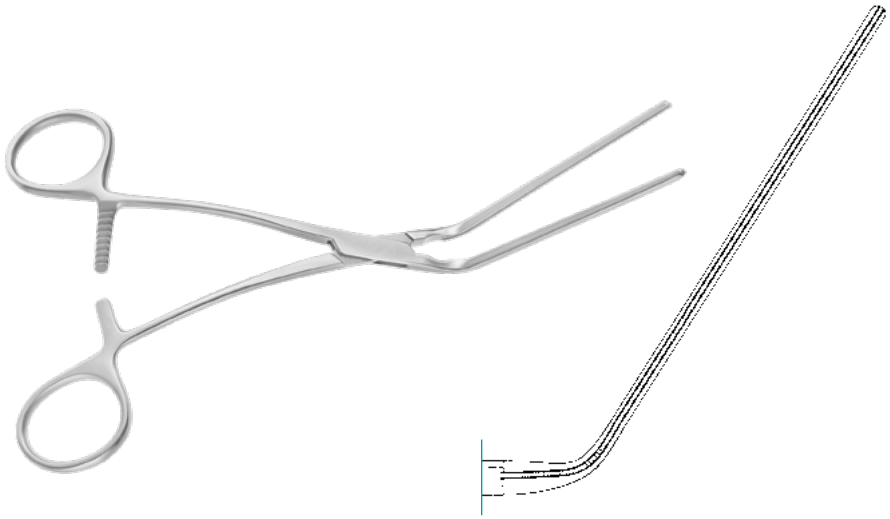






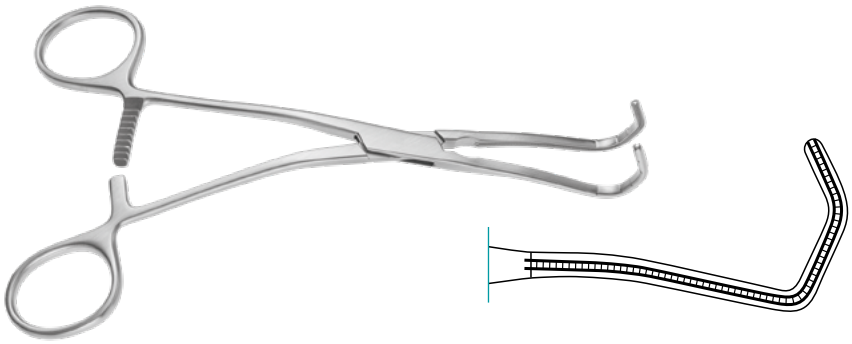
DEBAKEY BECK
Aortic Clamp

A 170mm, $6^{2/3}$"	290-457-170
B 195mm, $7^{3/4}$"	290-457-190
C 210mm, $8^{1/4}$"	290-457-210



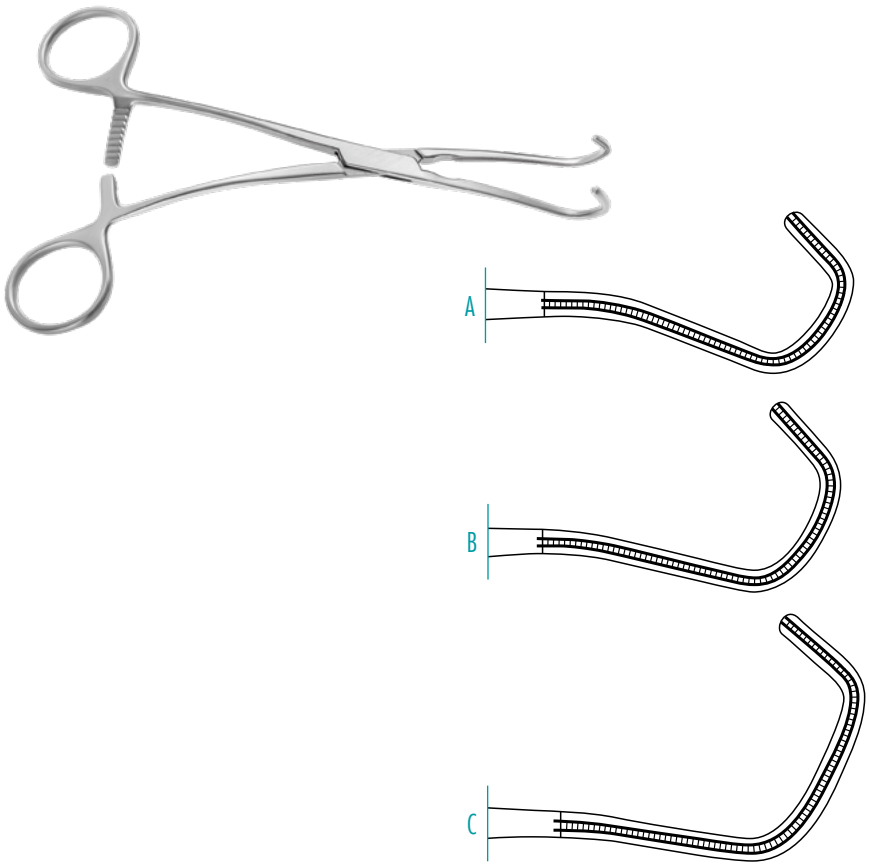
LELAND JONES
Peripheral Vascular Clamps,
shanks curved backwards,
60° angled backwards

180mm, 7"	290-413-180



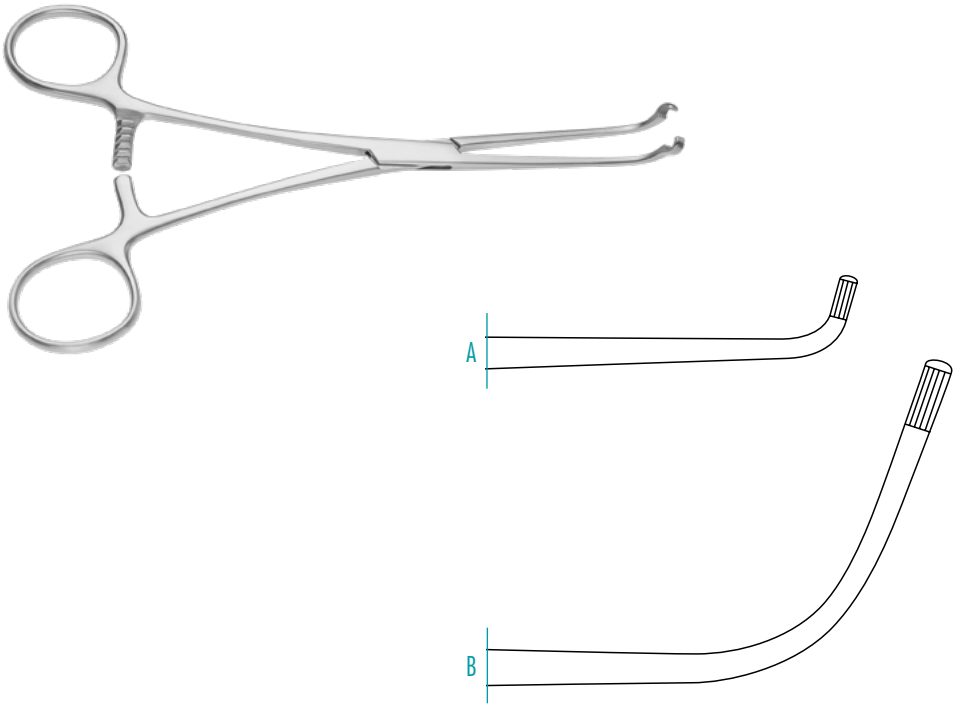
DEBAKEY
Anastomosis Clamp

170mm, $6^{2/3}$"	290-431-170



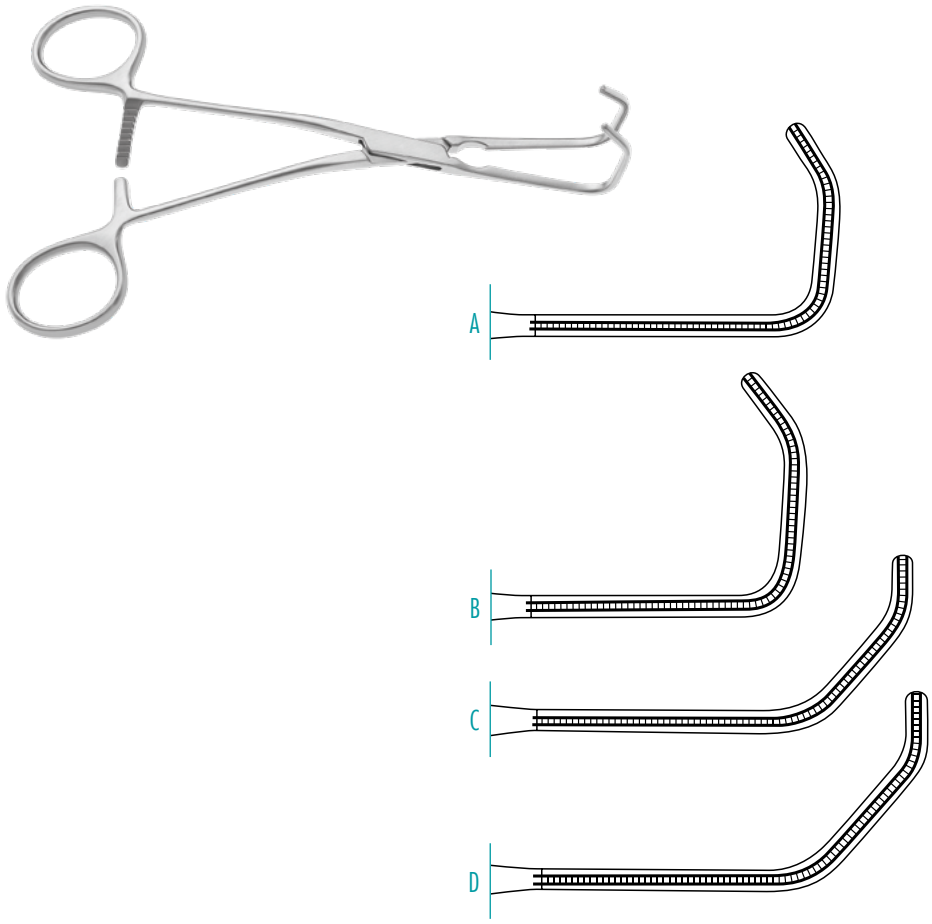
DEBAKEY DERRA
Anastomosis Clamp

A	160mm, $6^{1/4}$"	290-456-160
B	170mm, $6^{2/3}$"	290-456-170
C	180mm, 7"	290-456-180



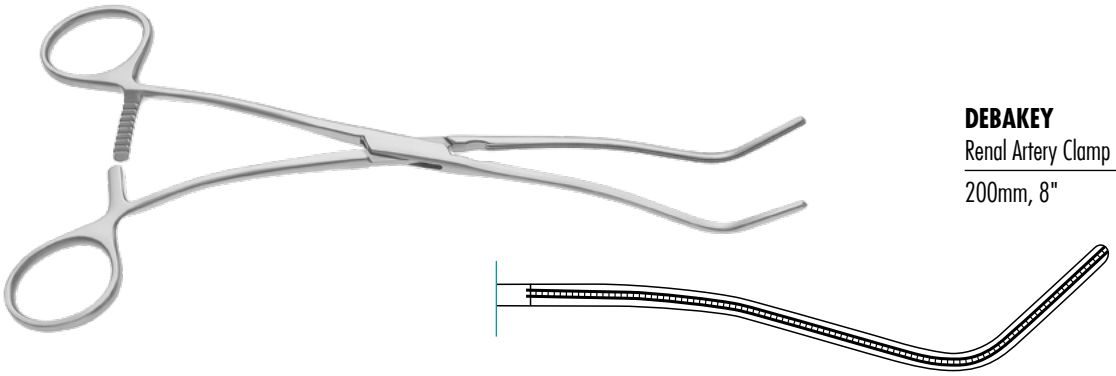
JAVID
Carotid Clamp, 180mm, 7"

A	290-343-180
B	290-343-190



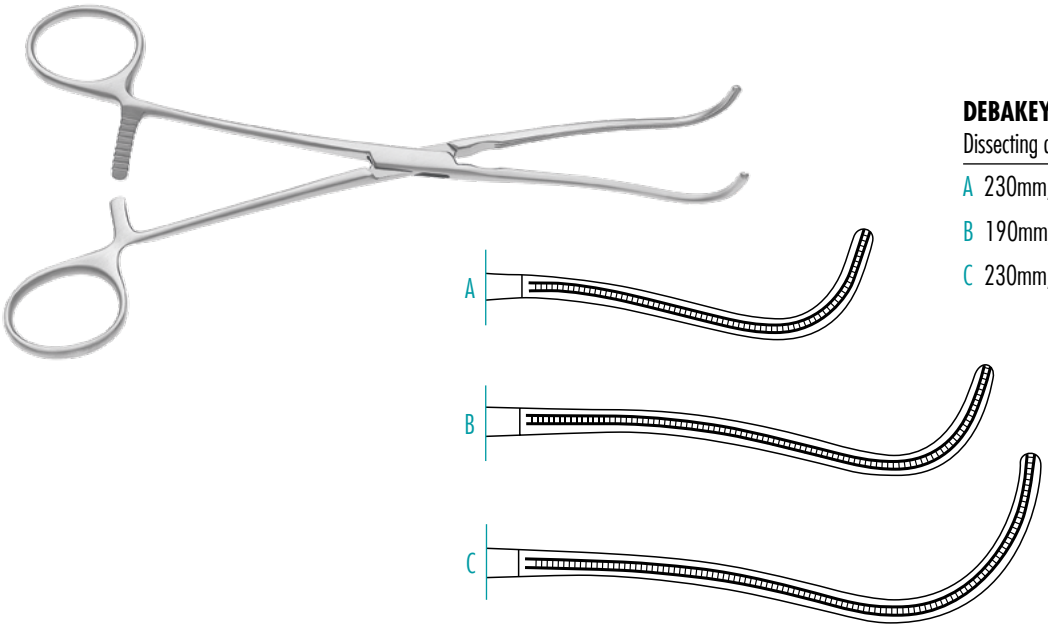
DEBAKEY REYNOLDS
Anastomosis Clamp

A	165mm, 6 1/2", small	290-429-001
B	165mm, 6 1/2", large	290-429-002
C	180mm, 7", small	290-429-003
D	180mm, 7", large	290-429-004



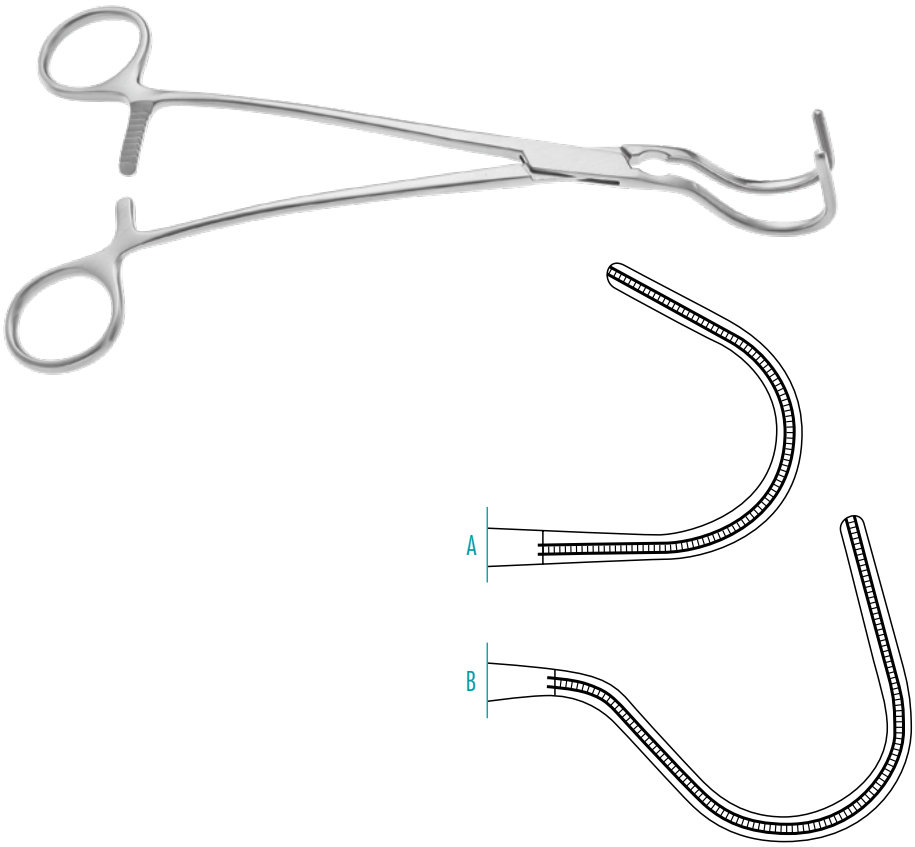
DEBAKEY
Renal Artery Clamp

200mm, 8"	290-416-200



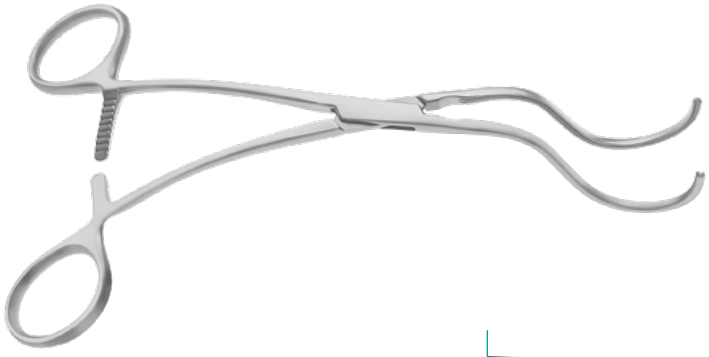
DEBAKEY
Dissecting and Ligature Forceps

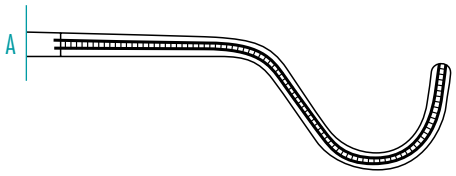
A	230mm, 9"	290-409-230
B	190mm, 7 1/2"	290-408-190
C	230mm, 9"	290-408-230

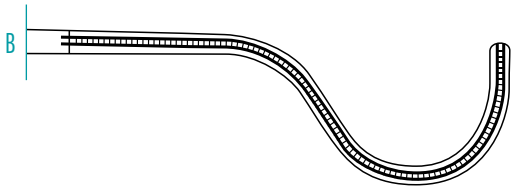


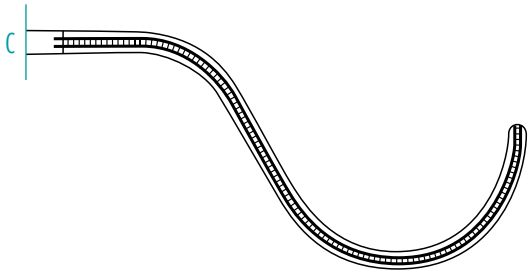
WYLIE
Vascular Clamp

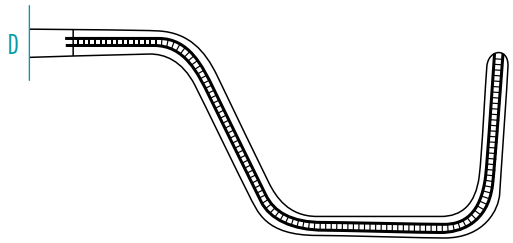
A	210mm, 8 1/4"	290-453-210
B	220mm, 8 2/3"	290-453-220





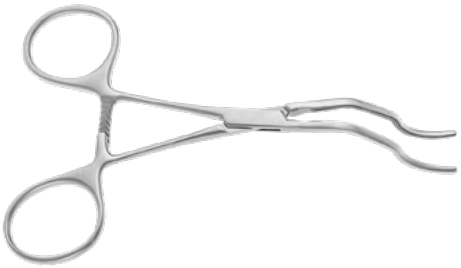






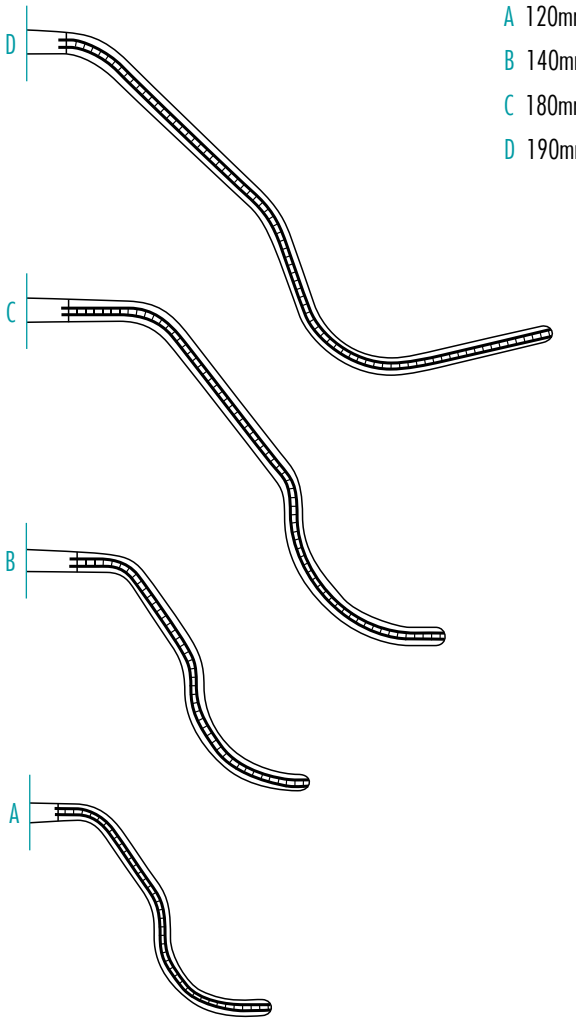
DALE
Peripheral Vascular Clamp

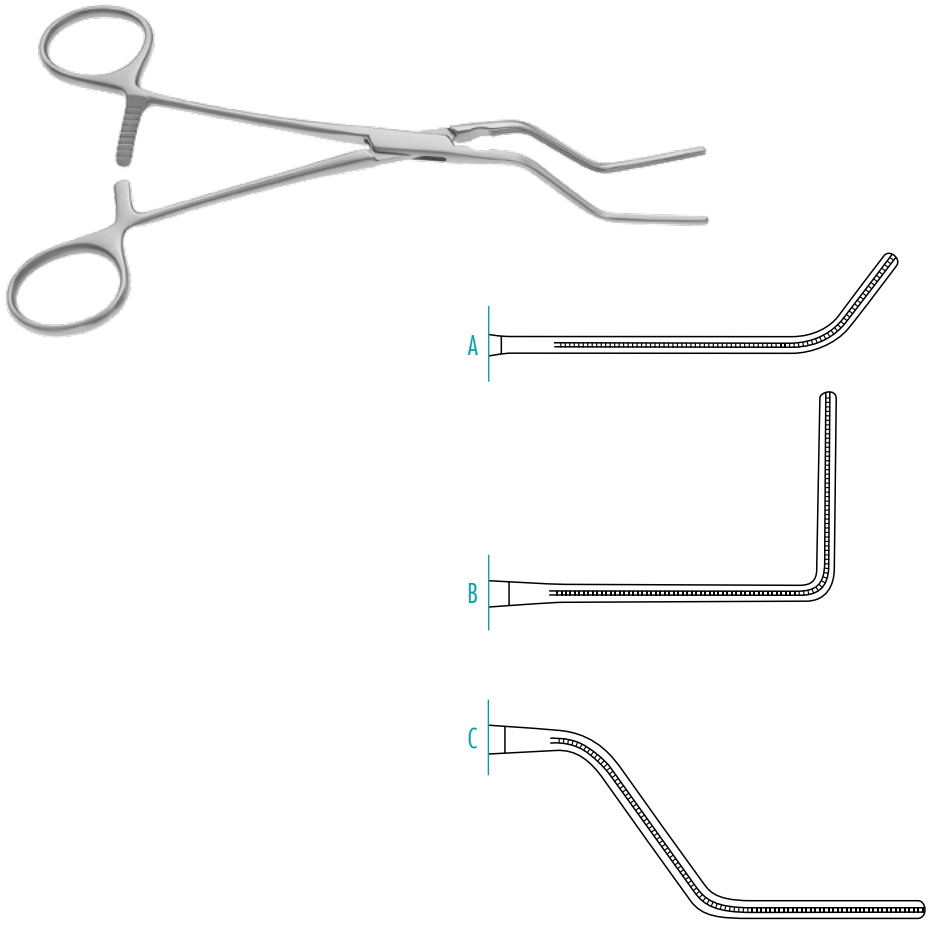
A	170mm, $6^{2/3}$"	290-341-170
B	180mm, 7"	290-341-180
C	185mm, $7^{1/4}$"	290-341-190
D	180mm, 7"	290-340-180



GREGORY
Profunda Clamp

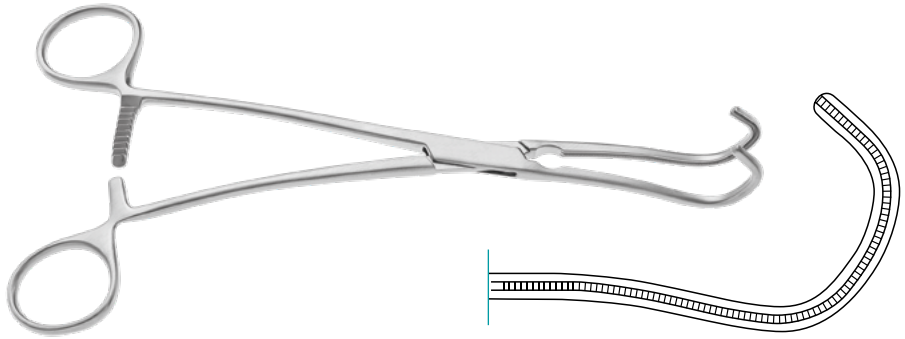
A	120mm, $4^{3/4}$"	290-342-120
B	140mm, $5^{1/2}$"	290-342-140
C	180mm, 7"	290-342-160
D	190mm, $7^{1/2}$"	290-342-180





HUSFELDT
Carotid Profunda Clamp

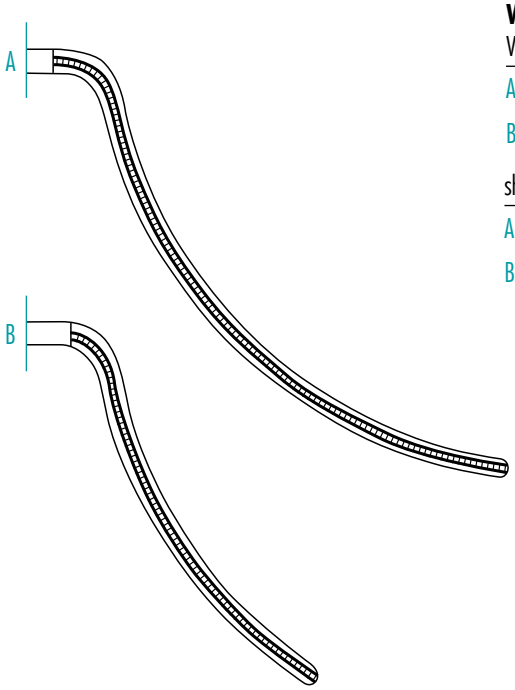
A	180mm, 7"	290-594-175
B	170mm, $6^{2/3}$"	290-594-170
C	180mm, 7"	290-594-180

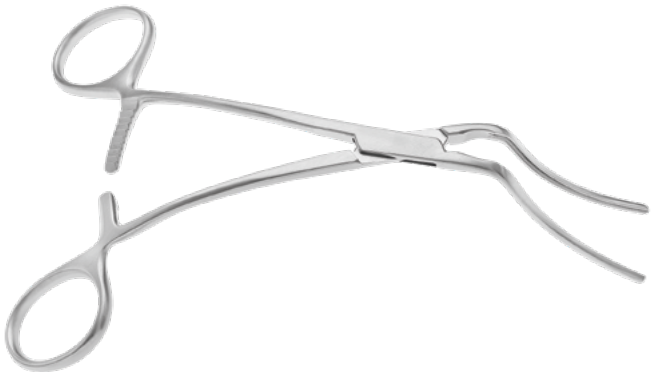


MITCHELL
Aortic Clamp

	200mm, 8"	290-424-200







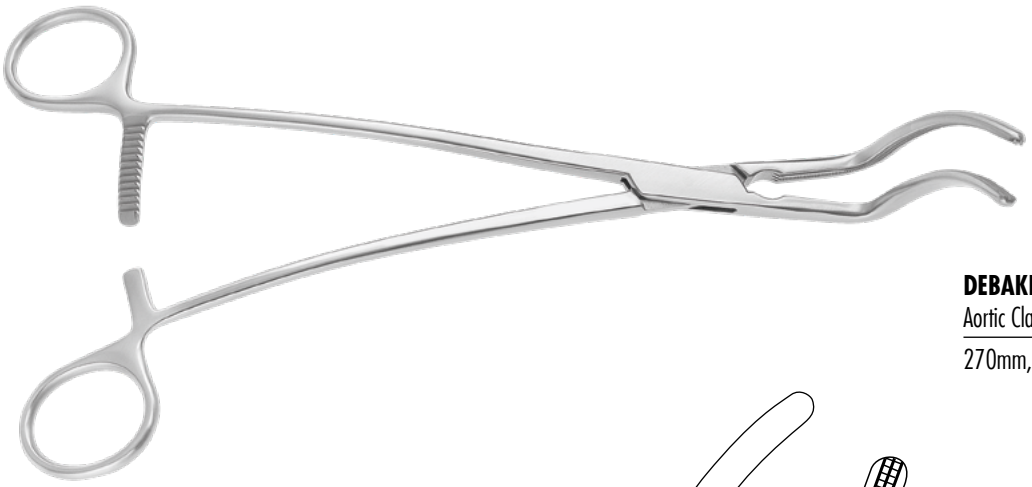
WYLIE

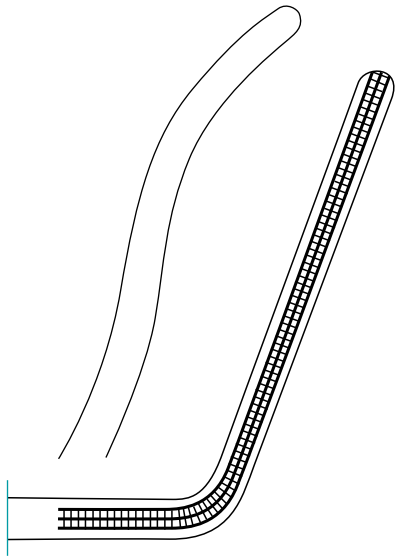
Vascular Clamps, shanks curved up

A	160mm, 6 1/4"	290-344-160
B	180mm, 7"	290-344-180

shanks curved down

A	170mm, 6 2/3"	290-344-170
B	200mm, 8"	290-344-200





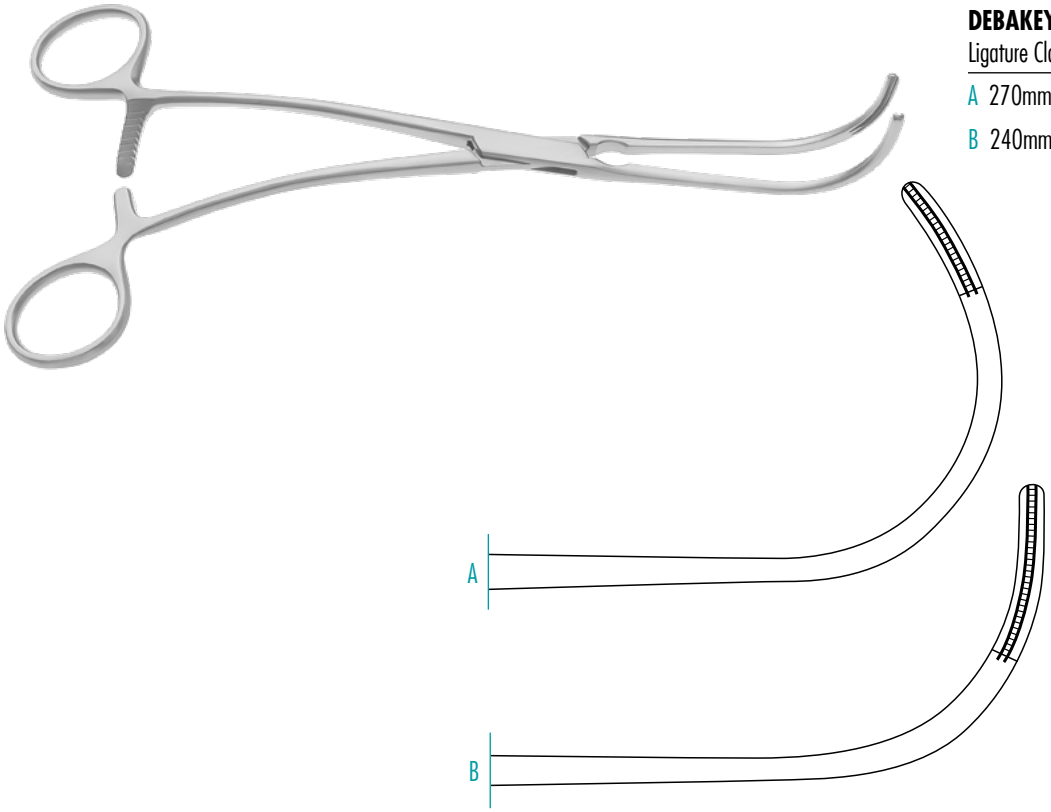
DEBAKEY
Aortic Clamp, 2x3 teeth

270mm, $10^{2/3}$"	290-420-270



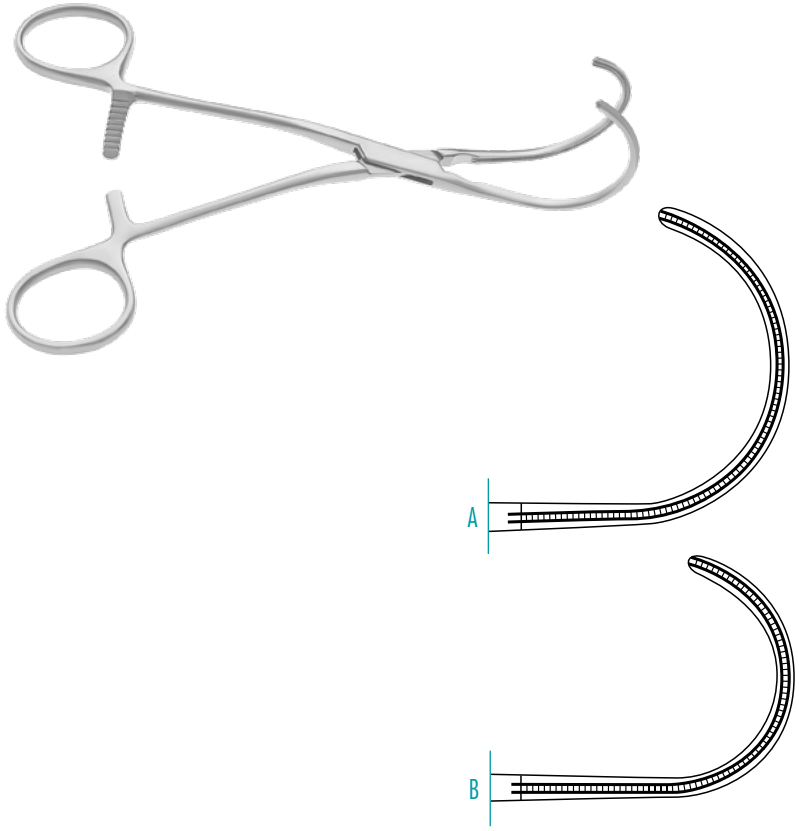
GRANT
Abdominal Aortic Aneurism Clamp, 2x3 teeth

245mm, $9^{2/3}$"	290-431-230



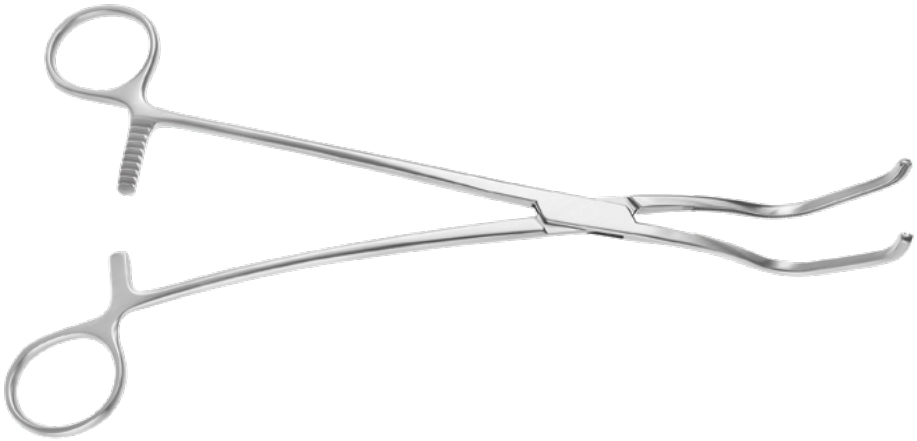
DEBAKEY
Ligature Clamp

A 270mm, $10^{2/3}$"	290-423-250
B 240mm, $9^{1/2}$"	290-421-240



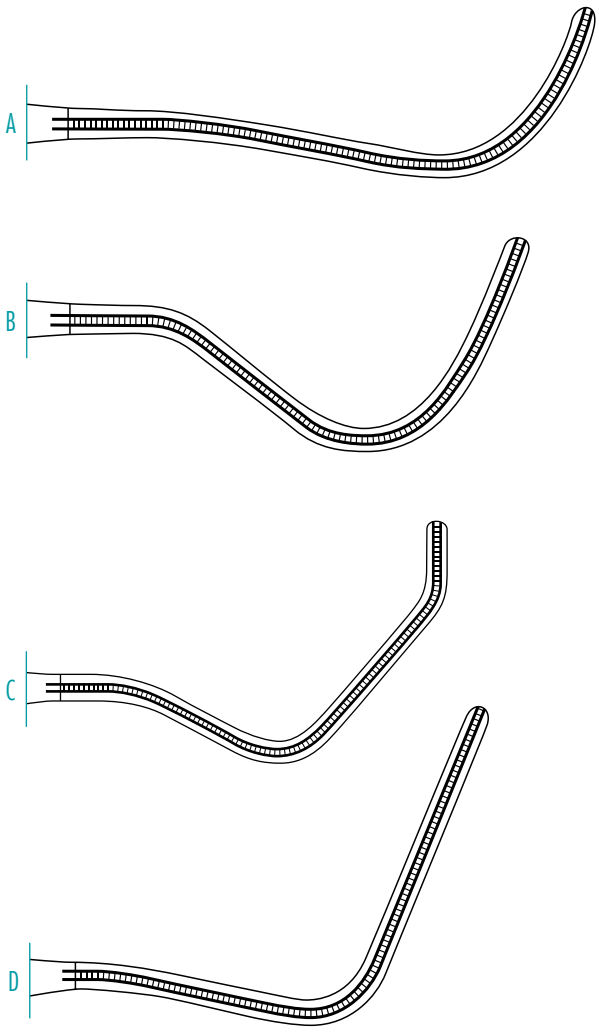
DEBAKEY
Ligature Clamp

A 160mm, $6^{1/4}$"	290-455-170
B 160mm, $6^{1/4}$"	290-453-160

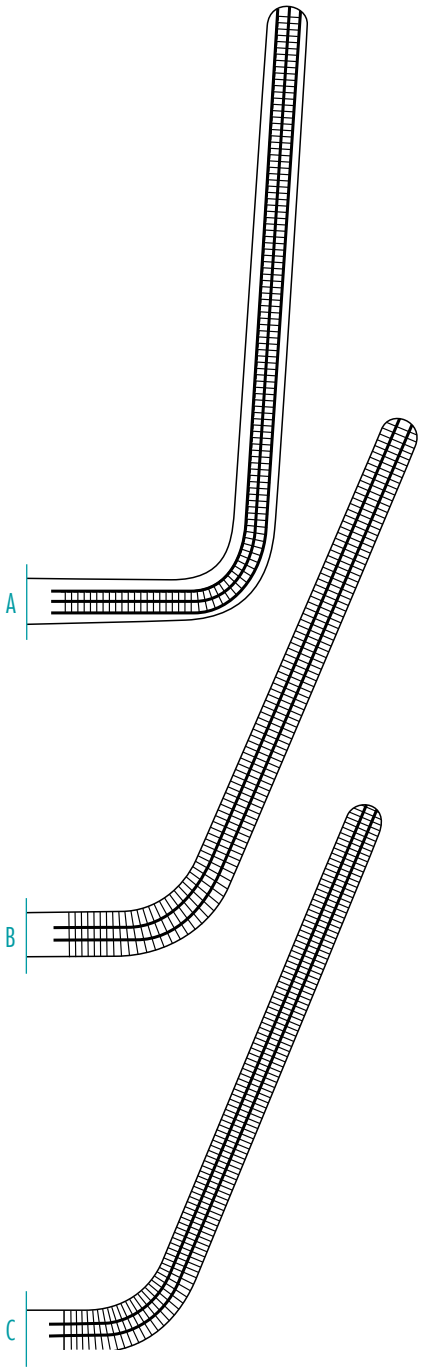


DEBAKEY HARKEN
Auricle Clamp, 240mm, 9 1/2"

A	Fig. 1	290-426-001
B	Fig. 2	290-426-002
C	Fig. 3	290-426-003
D	Fig. 4	290-426-004







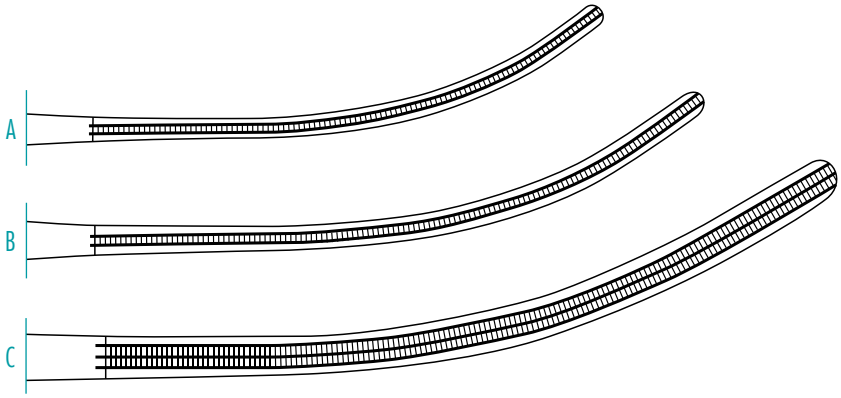
MORRIS
Aortic Clamp, 2x3 teeth

A	230mm, 9"	290-432-230
B	250mm, $9^{7/8}$"	290-432-250
C	200mm, 8"	290-432-200



ZANGER
Abdominal Aortic Clamp

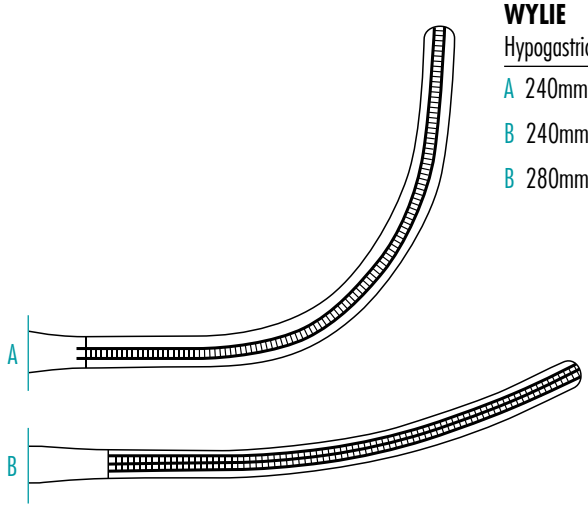
A	215mm, 8 1/2" 1x2 teeth	290-413-220
B	250mm, 9 7/8" 1x2 teeth	290-413-250
C	305mm, 12" 2x3 teeth	290-414-310

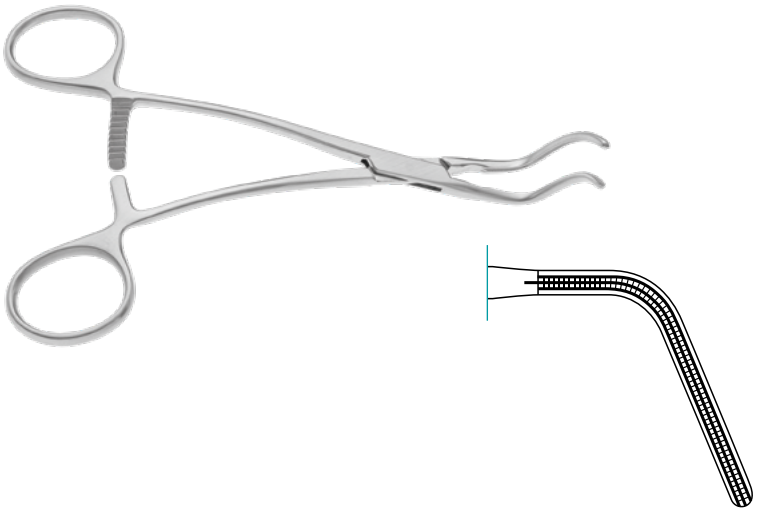




WYLIE
Hypogastric and Abdominal Aortic Clamp

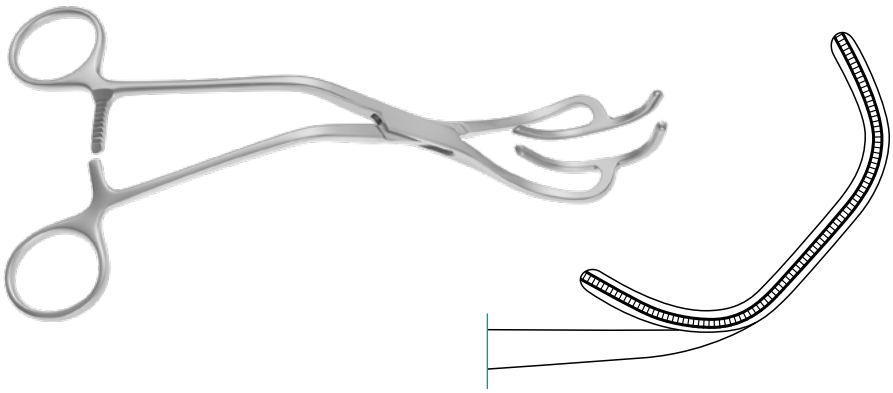
A	240mm, 9 1/2"	290-454-260
B	240mm, 9 1/2"	290-454-240
B	280mm, 11"	290-454-280





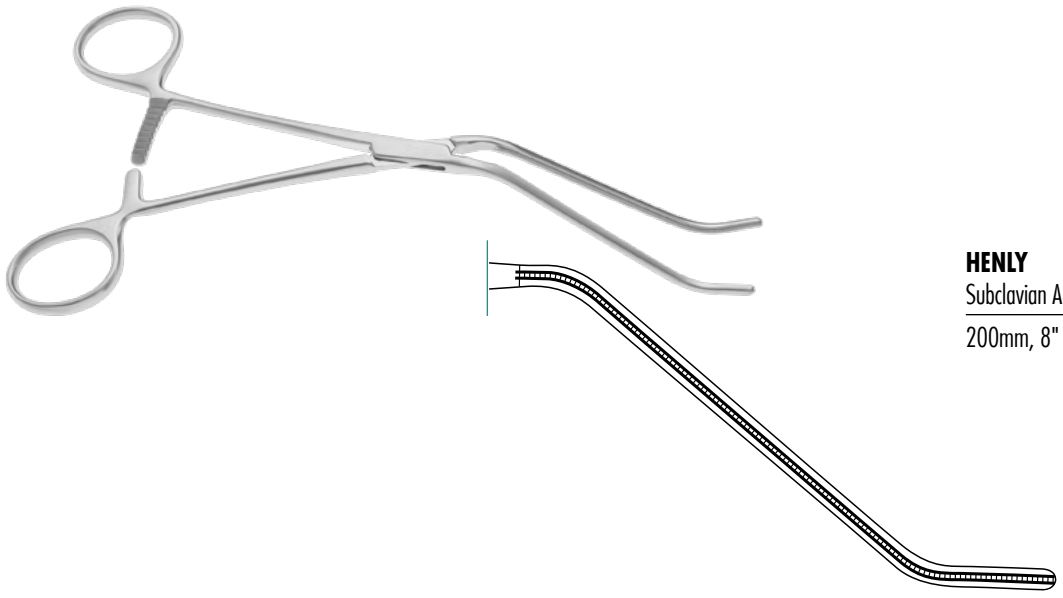
SUBRAMANIAN
Miniature Clamp

160mm, 6 1/4"	290-559-150



STRONG
Aortic Clamps, 175mm, 6 7/8"

41x16mm jaw	290-175-410
45x23mm jaw	290-175-450

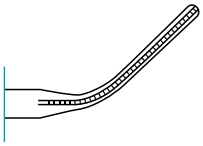


HENLY
Subclavian Artery Clamp

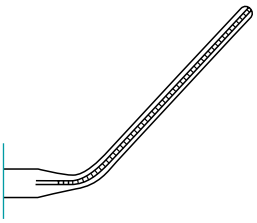
200mm, 8"	290-460-200



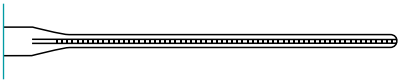
DEBAKEY EXTRA FINE
Pediatric Vessel Clamp



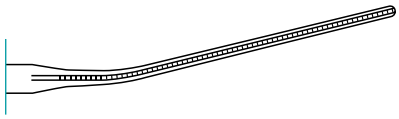
Angled shanks 45°
105mm, 4 1/8" 290-599-001



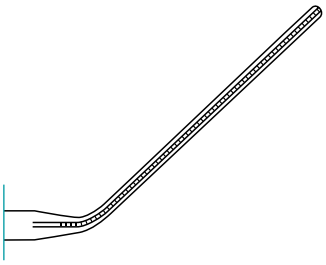
Angled shanks 45°
125mm, 5" 290-599-002



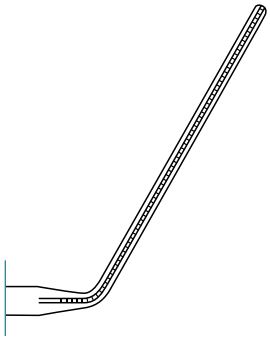
Straight shanks
140mm, 5 1/2" 290-599-003



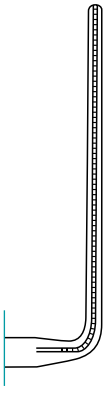
Curved shanks 15°
140mm, 5 1/2" 290-599-004



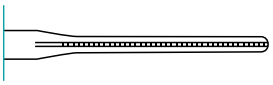
Curved shanks 45°
140mm, 5 1/2" 290-599-005



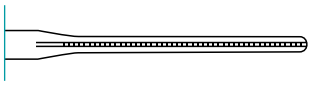
Angled shanks 90°
140mm, 5 1/2" 290-599-006



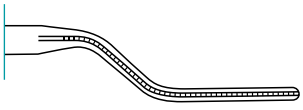
Angled shanks 90°
140mm, 5 1/2" 290-599-007



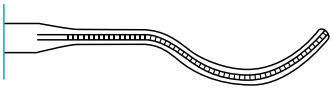
Straight shanks
155mm, 6 1/8" 290-599-008



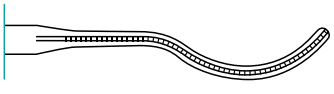
20° angled shanks
155mm, 6 1/8" 290-599-009



Curved shanks
150mm, 6" 290-599-010



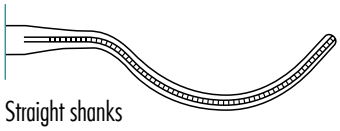
Straight shanks
150mm, 6" 290-599-011



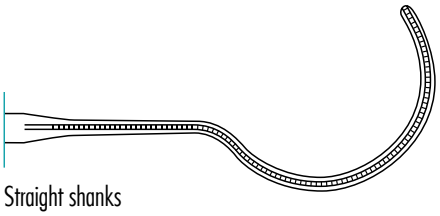
Angled shanks
145mm, 5 3/4" 290-599-012



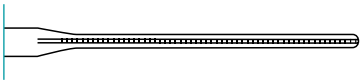
DEBAKEY EXTRA FINE
Pediatric Vessel Clamp



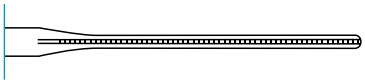
Straight shanks
155mm, 6 1/8" 290-599-013



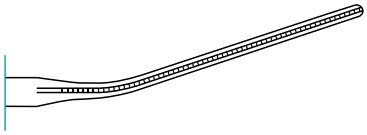
Straight shanks
170mm, 6 3/4" 290-599-014



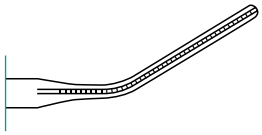
Straight shanks
165mm, 6 1/2" 290-599-015



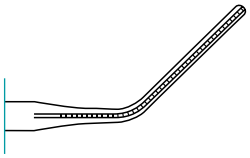
Angled shanks
165mm, 6 1/2" 290-599-016



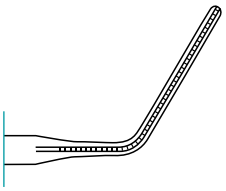
Straight shanks, 15°
155mm, 6 1/8" 290-599-017



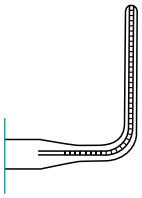
Straight shanks, 30°
145mm, 5 3/4" 290-599-018



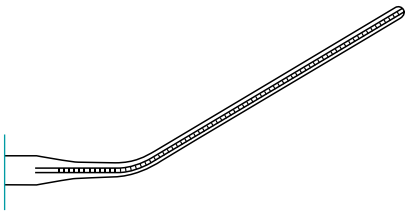
Straight shanks, 45°
145mm, 5 3/4" 290-599-019



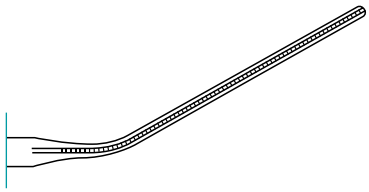
Straight shanks, 60°
145mm, 5 3/4" 290-599-020



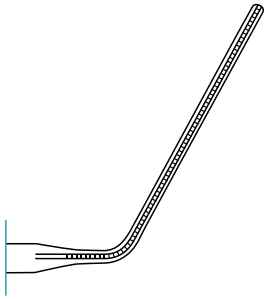
Straight shanks, 90°
140mm, 5 1/2" 290-599-021



Curved shanks, 30°
160mm, 6 1/4" 290-599-022



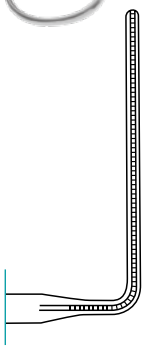
Curved shanks, 45°
160mm, 6 1/4" 290-599-023



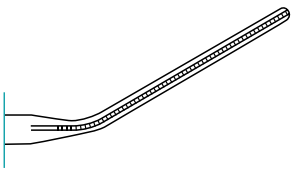
Curved shanks, 60°
145mm, 5 3/4" 290-599-024



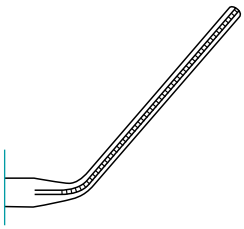
DEBAKEY EXTRA FINE
Pediatric Vessel Clamp



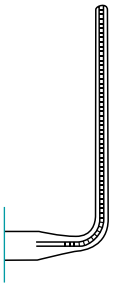
Curved shanks, 90°
130mm, 5 1/8" 290-599-025



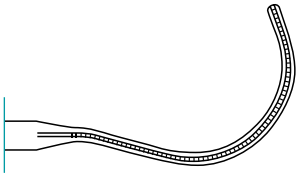
Straight shanks, 30°
120mm, 4 3/4" 290-599-026



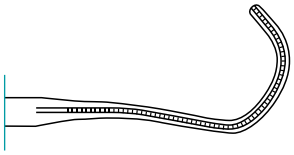
Straight shanks, 50°
120mm, 4 3/4" 290-599-027



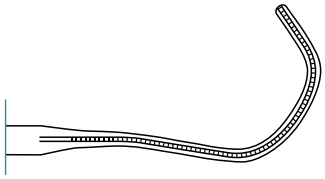
Straight shanks, 90°
105mm, 4 1/8" 290-599-028



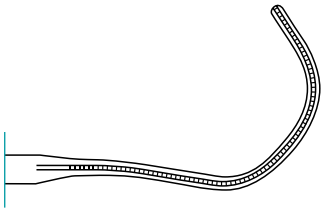
Curved shanks
120mm, 4 3/4" 290-599-029



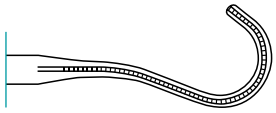
Curved shanks
145mm, 5 3/4" 290-599-030



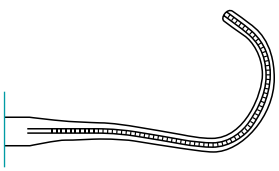
Curved shanks
145mm, 5 3/4" 290-599-031



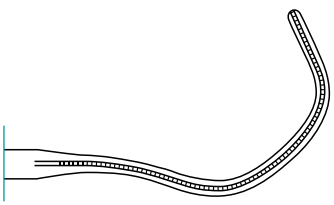
Curved shanks
160mm, 6 1/4" 290-599-032



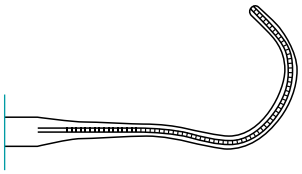
Angled shanks
115mm, 4 1/2" 290-599-033



Angled shanks
115mm, 4 1/2" 290-599-034



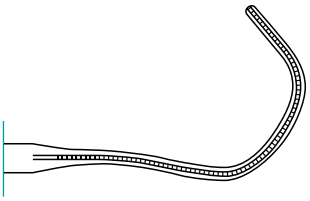
Angled shanks
150mm, 6" 290-599-035



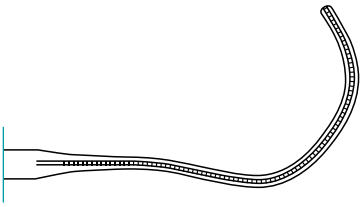
Curved shanks
115mm, 4 1/2" 290-599-036



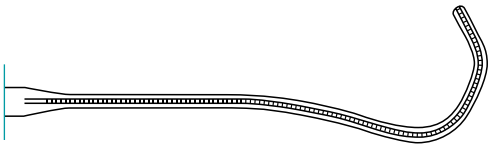
DEBAKEY EXTRA FINE
Pediatric Vessel Clamp



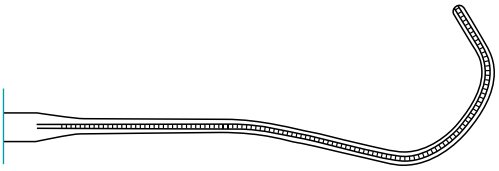
Curved shanks
150mm, 6" 290-599-037



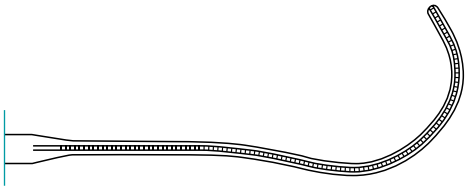
Curved shanks
160mm, 6 1/4" 290-599-038



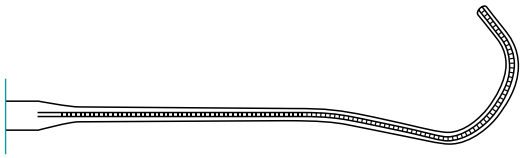
Curved shanks
180mm, 7" 290-599-039



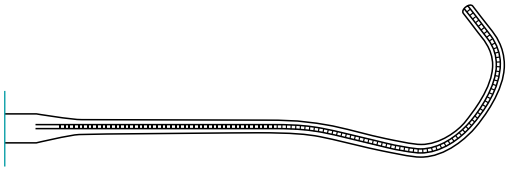
Curved shanks
180mm, 7" 290-599-040



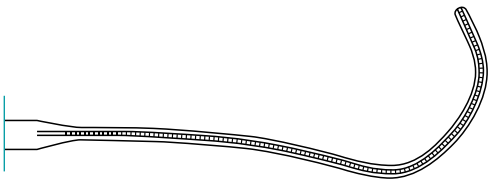
Curved shanks
180mm, 7" 290-599-041



Angled shanks
180mm, 7" 290-599-042



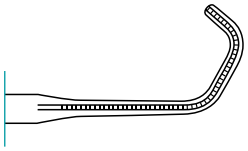
Angled shanks
180mm, 7" 290-599-043



Angled shanks
180mm, 7" 290-599-044

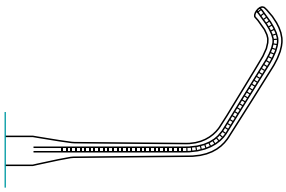


DEBAKEY EXTRA FINE
Pediatric Vessel Clamp



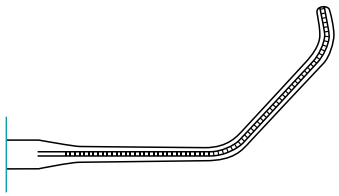
Curved shanks

115mm, $4^{1/2}$" 290-599-045



Angled shanks

120mm, $4^{3/4}$" 290-599-046



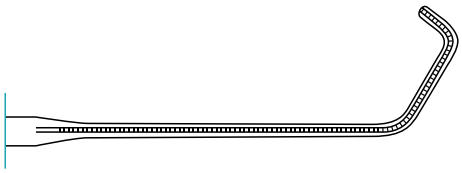
Angled shanks

150mm, 6" 290-599-047



Curved shanks

170mm, $6^{2/3}$" 290-599-048



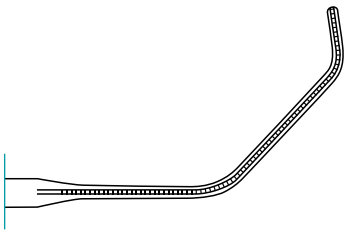
Curved shanks

175mm, $6^{7/8}$" 290-599-049



Curved shanks

180mm, 7" 290-599-050



Curved shanks, carotid

150mm, 6" 290-599-051



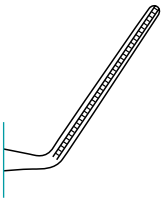
DEBAKEY
Premature Baby Vascular Clamp, ultrafine

105mm, $4^{1/8}$"



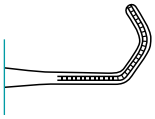
Shanks angled backwards

290-587-001



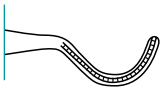
Angled shanks

290-587-002



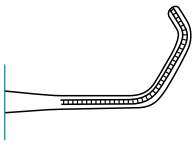
Shanks slightly angled backwards

290-587-003



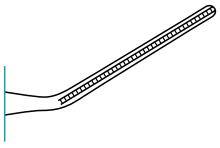
Straight shanks

290-587-004



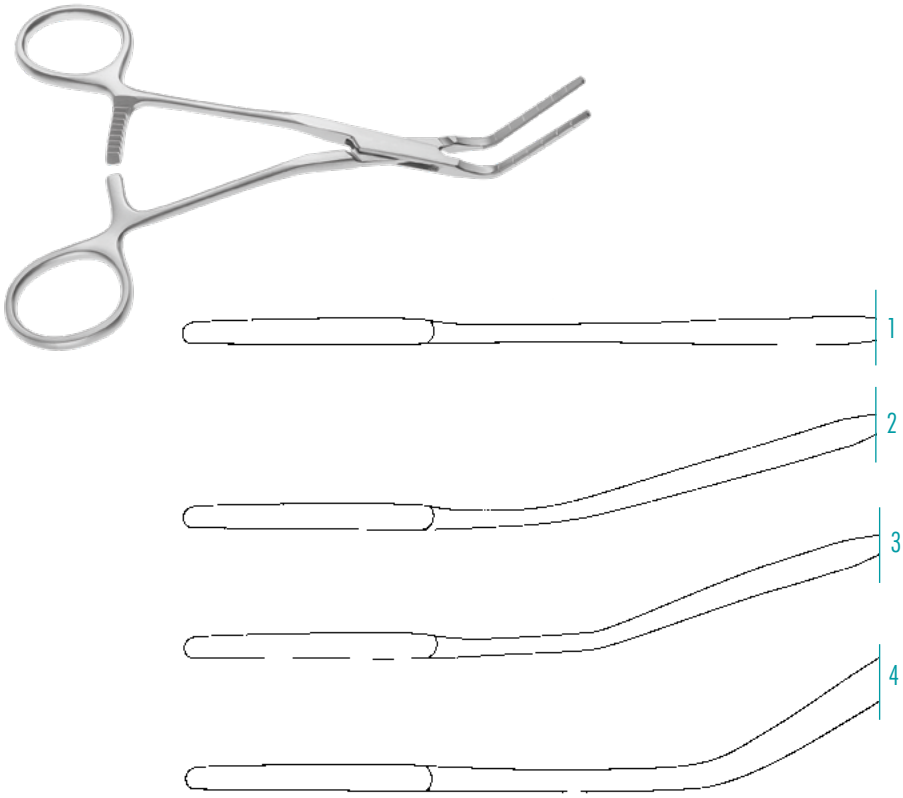
Shanks slightly curved backwards

290-587-005



Straight shanks

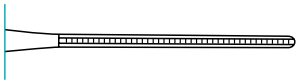
290-587-006



CASTANEDA

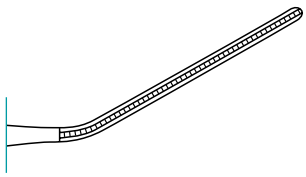
Castaneda Neonatal Clamp, fine
155mm, 6 1/8"

1 Straight shanks
2 Slightly curved shanks
3 Slightly angled shanks
4 Strongly angled shanks



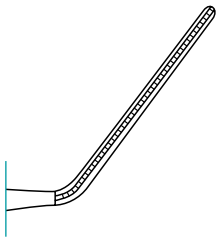
Straight jaw

1	290-594-001
2	290-598-001
3	290-596-001
4	290-597-001



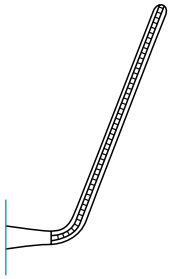
Angled jaw, 30°

1	290-594-002
2	290-598-002
3	290-596-002
4	290-597-002



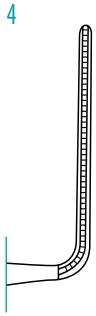
Angled jaw, 45°

1	290-594-003
2	290-598-003
3	290-596-003
4	290-597-003



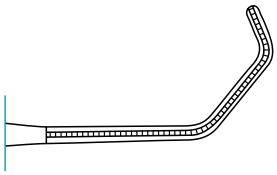
Angled jaw, 60°

1	290-594-004
2	290-598-004
3	290-596-004
4	290-597-004



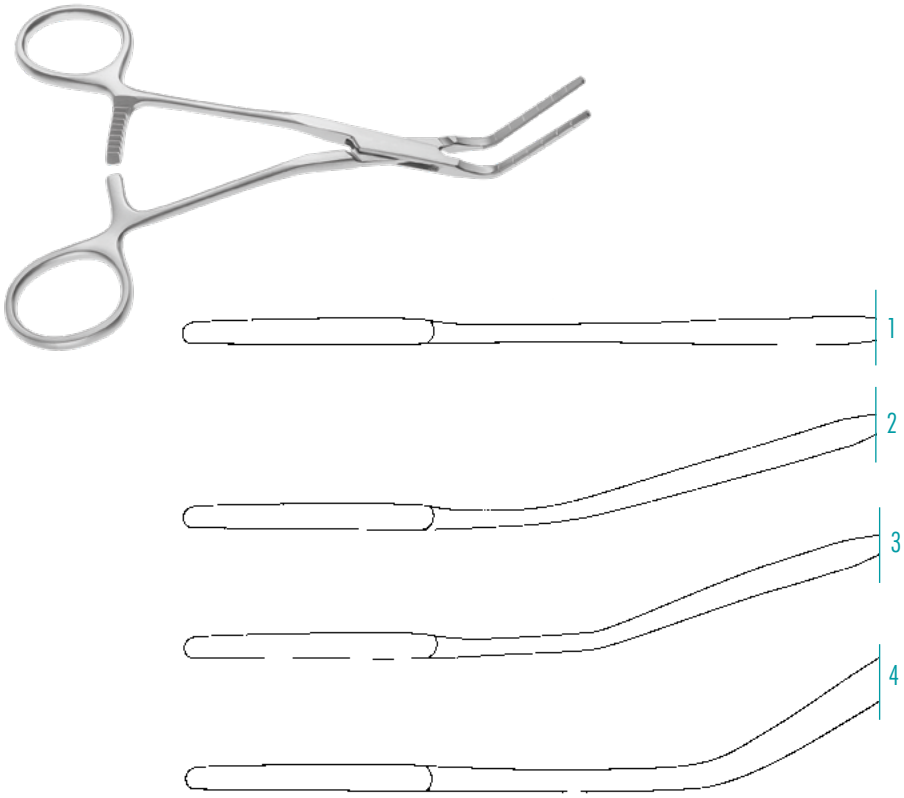
Angled jaw, 90°

1	290-594-005
2	290-598-005
3	290-596-005
4	290-597-005



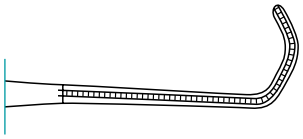
Angled jaw

1	290-594-006
2	290-598-006
3	290-596-006
4	290-597-006

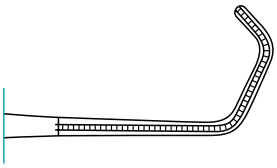


CASTANEDA
Castaneda Neonatal Clamp, fine
155mm, 6 1/8"

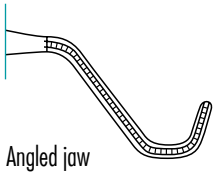
1 Straight shanks
2 Slightly curved shanks
3 Slightly angled shanks
4 Strongly angled shanks



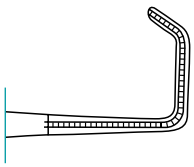
Angled jaw	
1	290-594-007
2	290-598-007
3	290-596-007
4	290-597-007



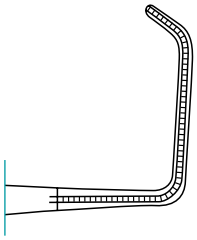
Angled jaw	
1	290-594-008
2	290-598-008
3	290-596-008
4	290-597-008



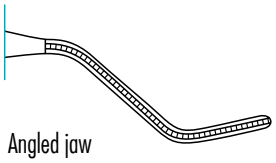
Angled jaw	
1	290-594-009
2	290-598-009
3	290-596-009



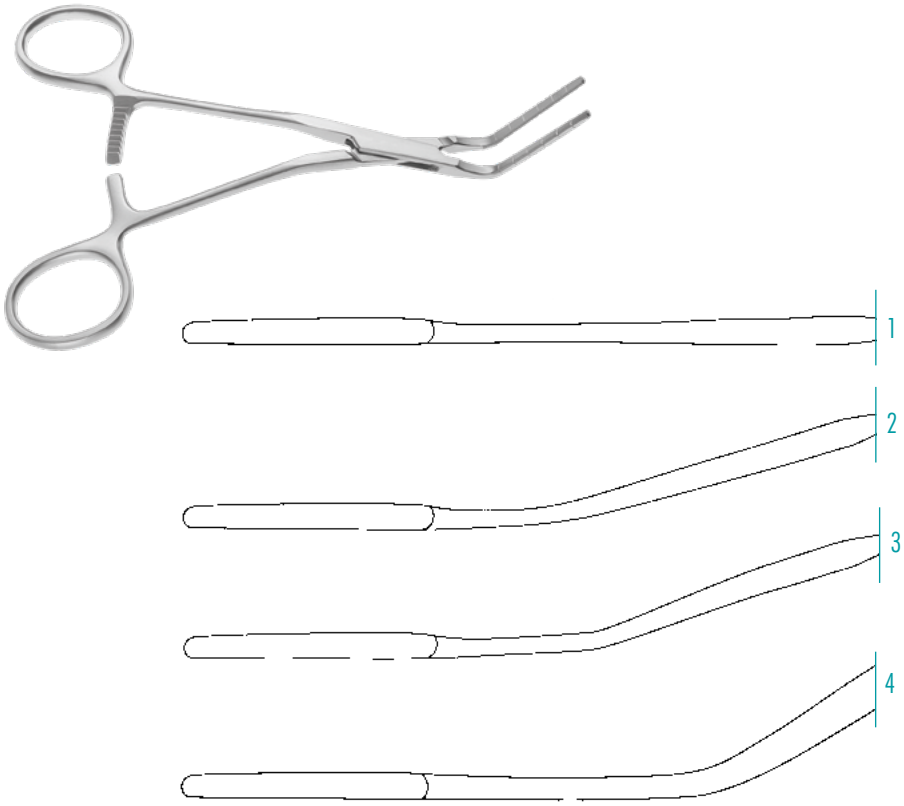
Angled jaw	
1	290-594-010
2	290-598-010
3	290-596-010



Angled jaw	
1	290-594-011
2	290-598-011
3	290-596-011



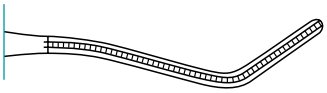
Angled jaw	
1	290-594-012
2	290-598-012
3	290-596-012
4	290-597-012



CASTANEDA

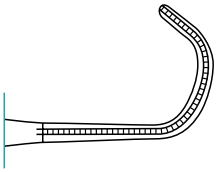
Castaneda Neonatal Clamp, fine
155mm, 6 1/8"

1 Straight shanks
2 Slightly curved shanks
3 Slightly angled shanks
4 Strongly angled shanks



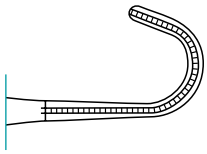
Angled jaw

1	290-594-013
2	290-598-013
3	290-596-013



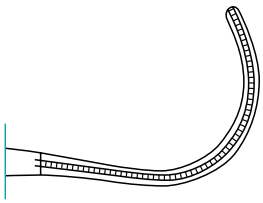
Curved jaw

1	290-594-014
2	290-598-014
3	290-596-014



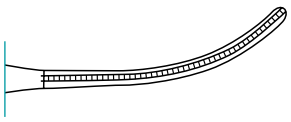
Curved jaw

1	290-594-015
2	290-598-015
3	290-596-015



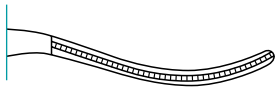
Curved jaw

1	290-594-016
2	290-598-016



Curved jaw

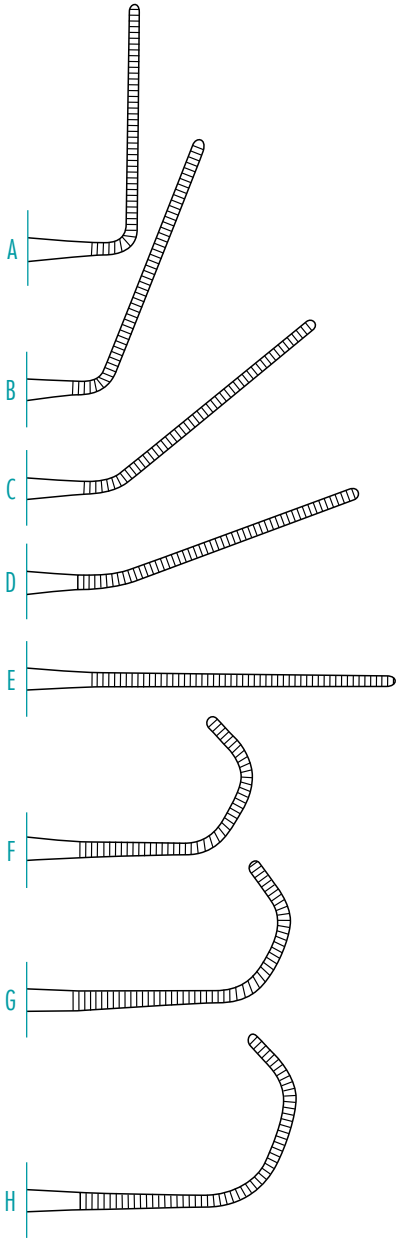
1	290-594-017
2	290-598-017
3	290-596-017



Curved jaw

1	290-594-018
2	290-598-018

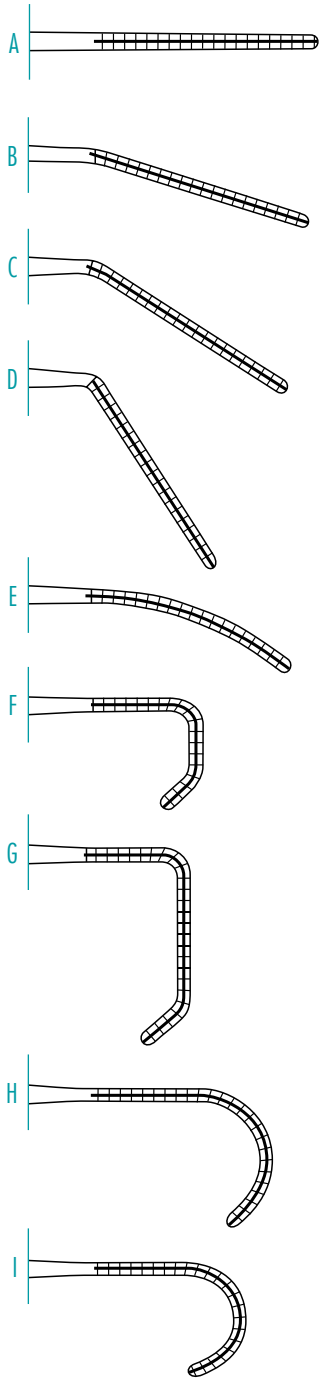




CASTANEDA
Neonatal Clamp, extra delicate, graduated, shanks curved backwards

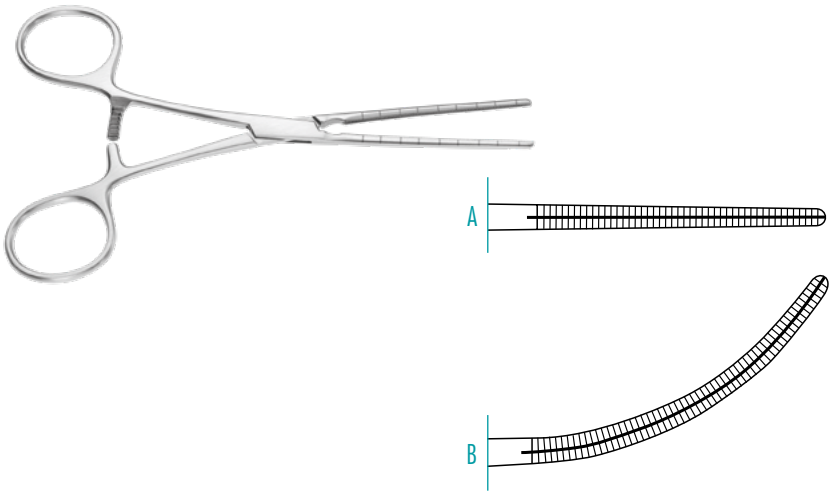
A	130mm, $5^{1/8}$"	290-593-003
B	130mm, $5^{1/8}$"	290-593-002
C	130mm, $5^{1/8}$"	290-593-001
D	130mm, $5^{1/8}$"	290-593-000
E	130mm, $5^{1/8}$"	290-593-004
F	150mm, 6"	290-595-001
G	150mm, 6"	290-595-002
H	150mm, 6"	290-595-003





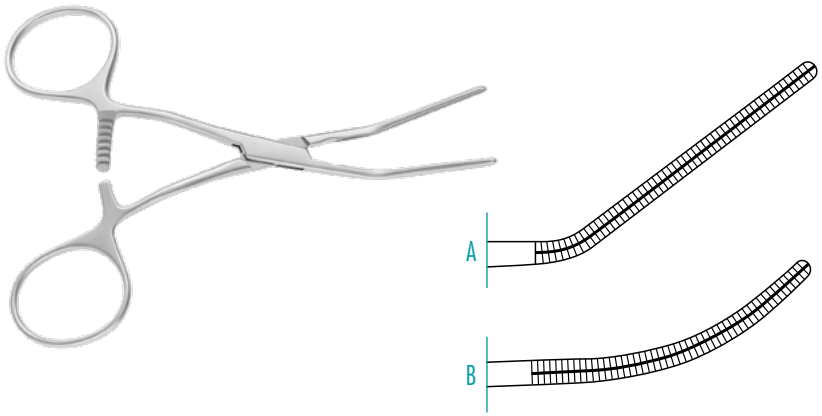
BABY COOLEY
Pediatric Clamp, shanks curved backwards

140mm, 5 1/2"	
A straight	290-573-001
B angled 15°	290-573-002
C angled 45°	290-573-003
D angled 60°	290-573-004
125mm, 5"	
E curved	290-573-005
130mm, 5 1/8"	
F angled	290-573-006
140mm, 5 1/2"	
G angled	290-573-007
H curved	290-573-008
I curved	290-573-009



COOLEY
Atrauma Clamp, straight shanks

A	140mm, 5 1/2"	290-465-000
B	120mm, 4 3/4"	290-465-002



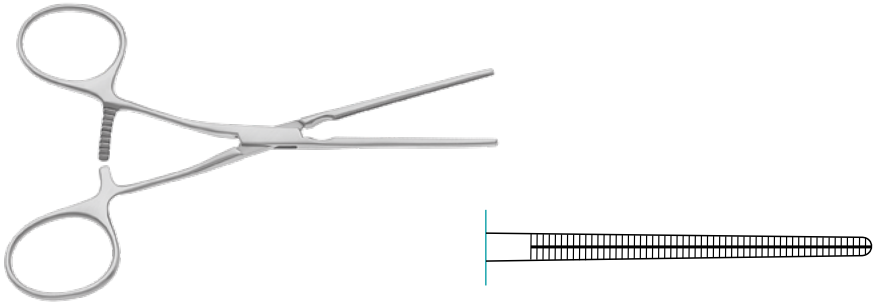
curved shanks

A	125mm, 5"	290-465-004
B	120mm, 4 3/4"	290-465-003



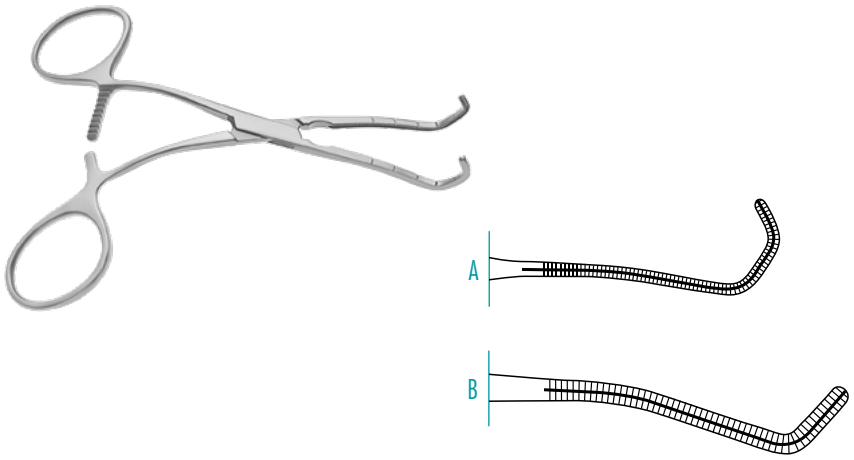
straight shanks

100mm, 4"	290-465-007



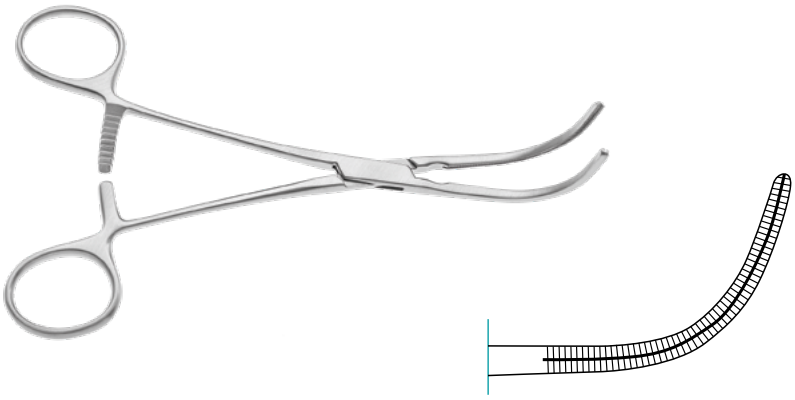
angled shanks

125mm, 5"	290-465-001



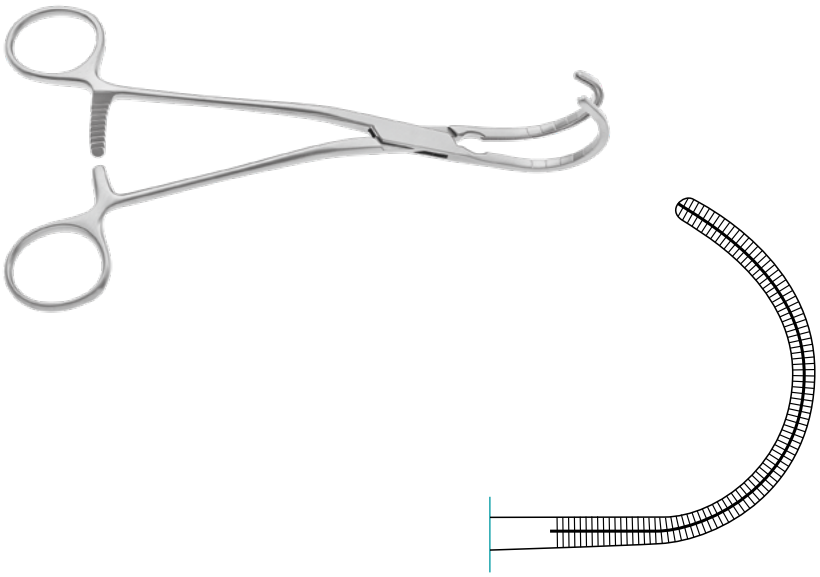
COOLEY
Atrauma Clamp, s-angled

A	120mm, 4 3/4"	290-465-008
B	120mm, 4 3/4"	290-465-005



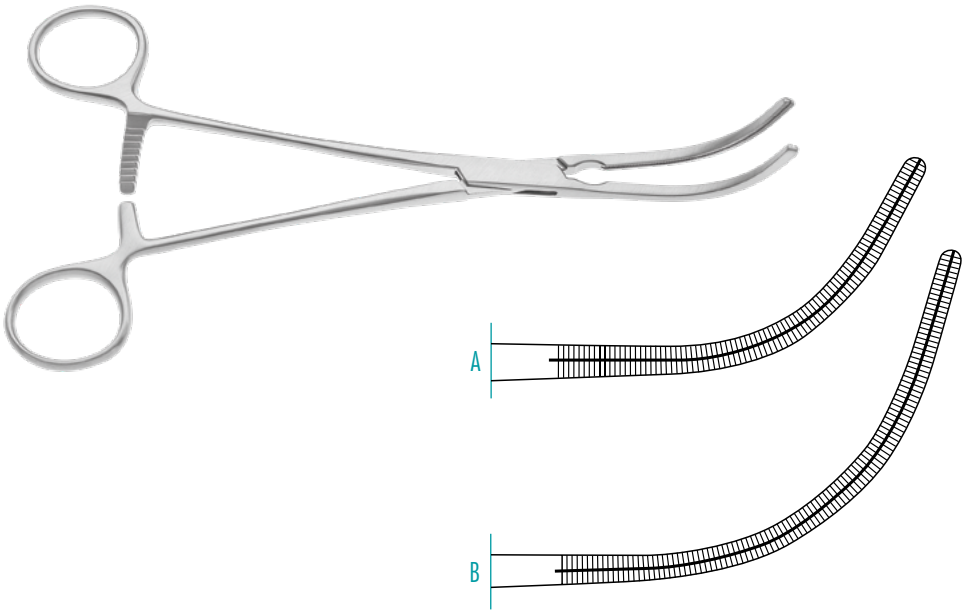
COOLEY
Vascular Clamp

	160mm, 6 1/4"	290-469-160



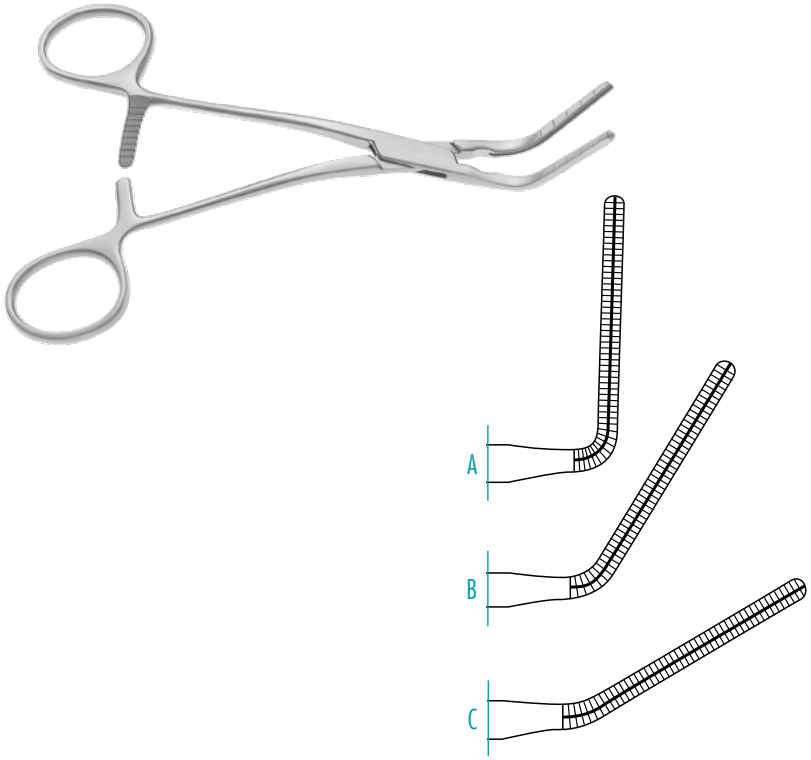
COOLEY
Multi-Purpose Clamp

200mm, 8"	290-480-200



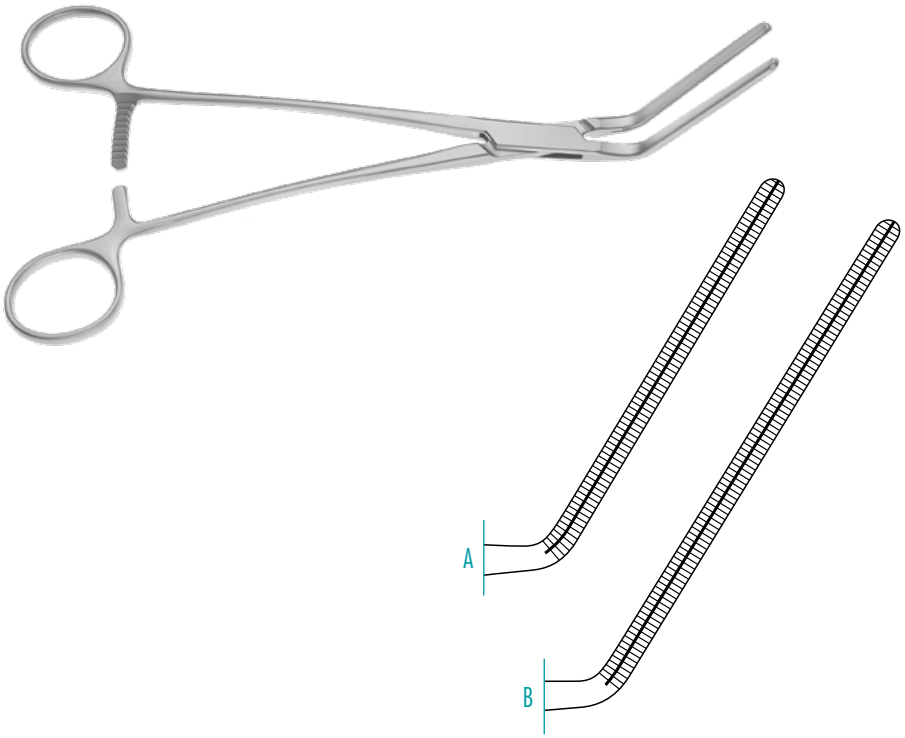
COOLEY
Multi-Purpose Clamp

A 215mm, $8^{1/2}$"	290-471-215
B 245mm, $9^{2/3}$"	290-471-245



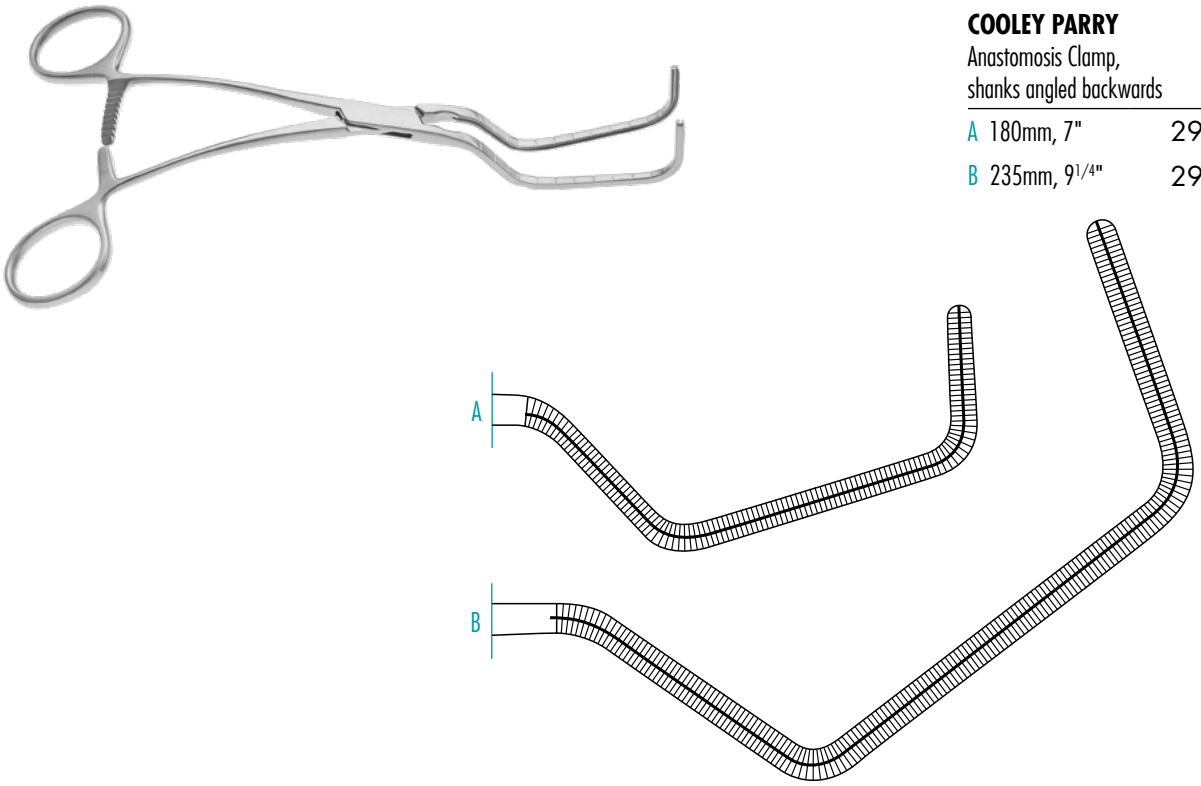
COOLEY
Multi Purpose Forceps

A	150mm, 6"	290-472-150
B	160mm, $6^{1/4}$"	290-472-155
C	170mm, $6^{2/3}$"	290-472-160



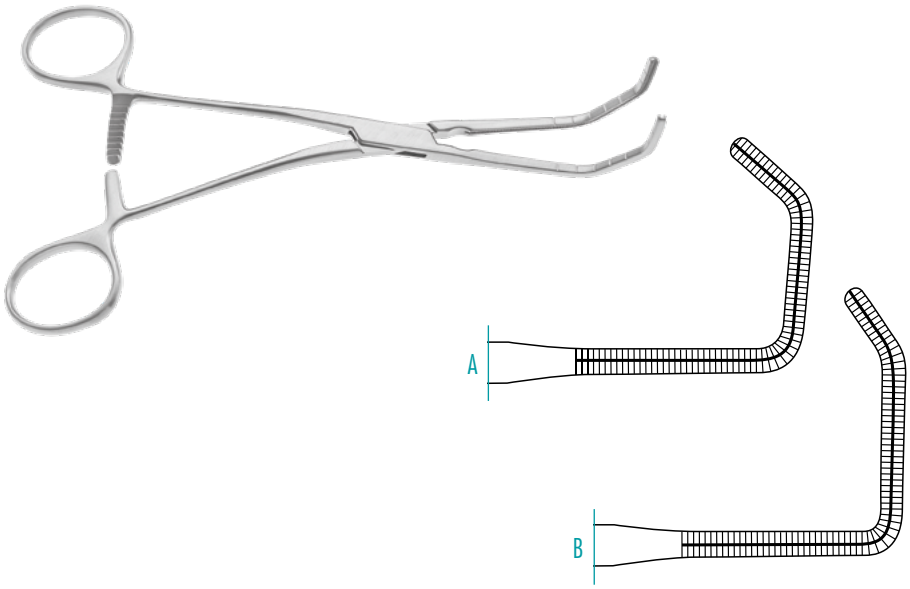
COOLEY
Multi-Purpose Clamp

A	205mm, $8^{1/8}$"	290-509-200
B	240mm, $9^{1/2}$"	290-509-240



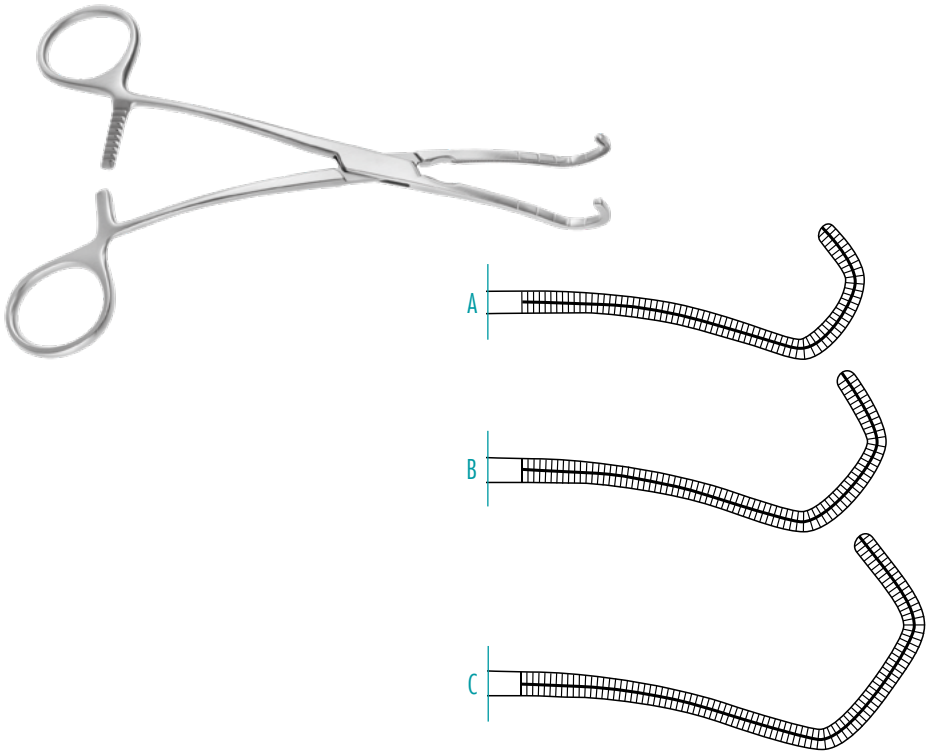
COOLEY PARRY
Anastomosis Clamp,
shanks angled backwards

A	180mm, 7"	290-481-001
B	235mm, 9 1/4"	290-481-002



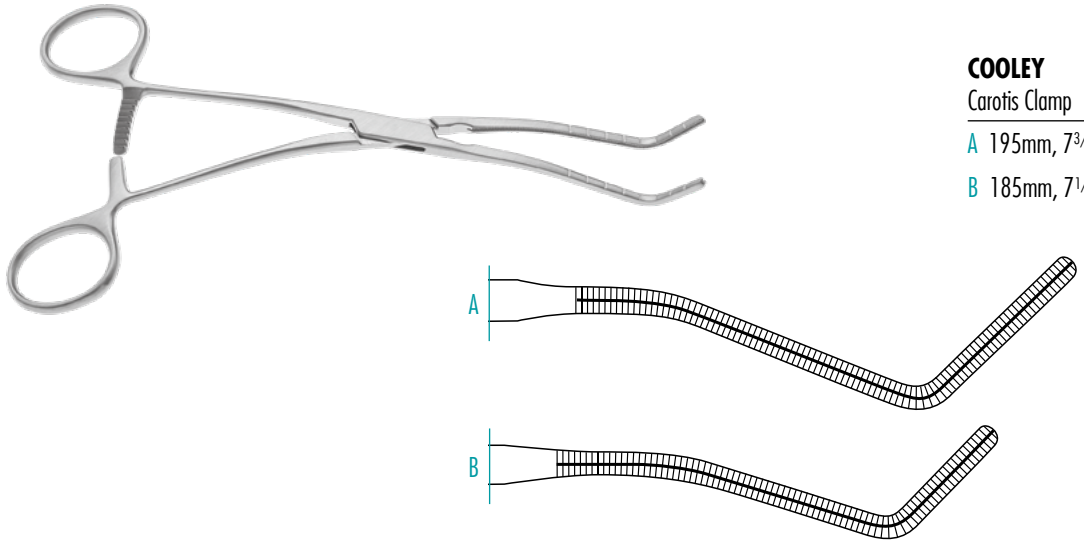
COOLEY
Anastomosis Clamp

A	175mm, 6 7/8"	290-721-165
B	175mm, 6 7/8"	290-722-165



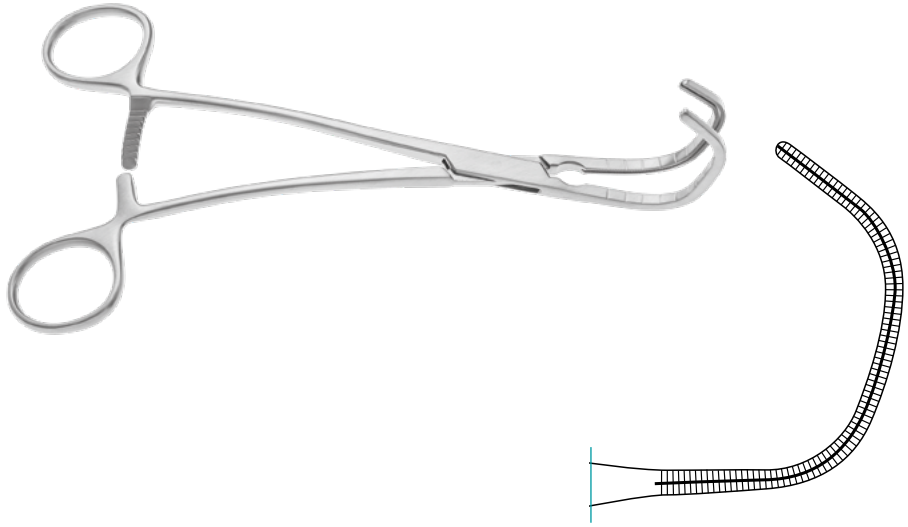
COOLEY DERRA
Anastomosis Clamp

A	160mm, $6^{1/4}$"	290-478-160
B	170mm, $6^{2/3}$"	290-478-170
C	180mm, 7"	290-478-180



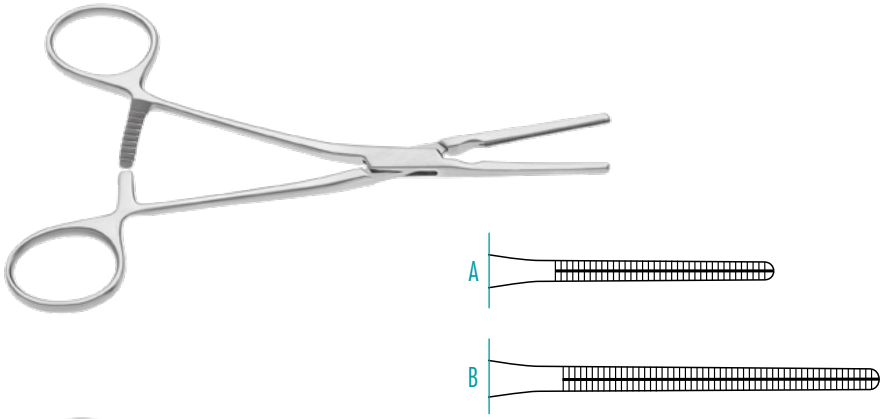
COOLEY
Carotis Clamp

A	195mm, $7^{3/4}$"	290-469-200
B	185mm, $7^{1/4}$"	290-469-185



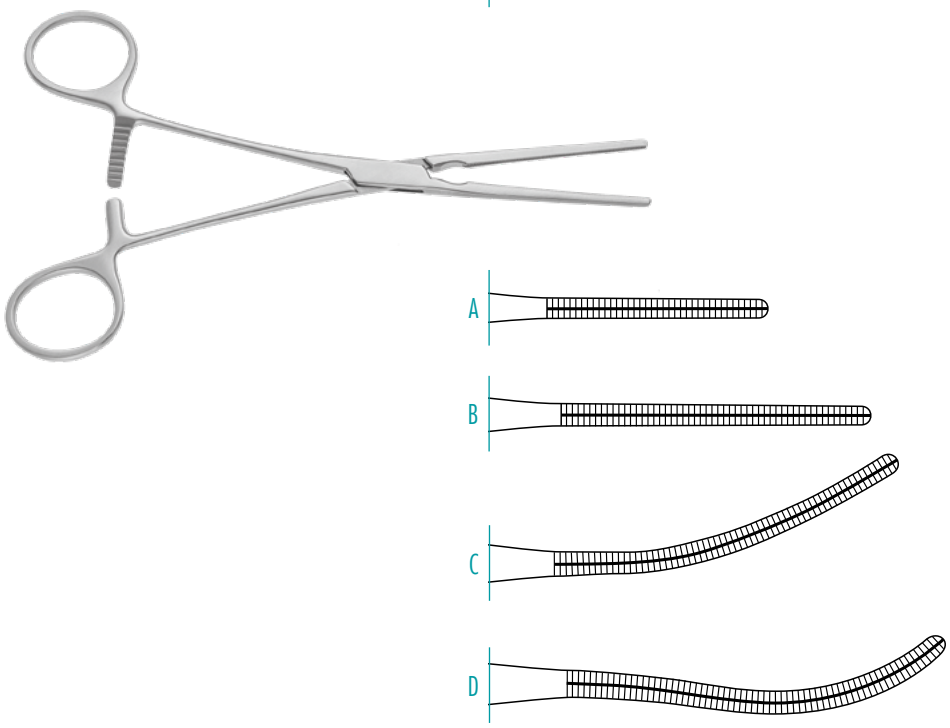
COOLEY LEITZ
Anastomosis Clamp

	195mm, $7^{3/4}$"	290-508-190



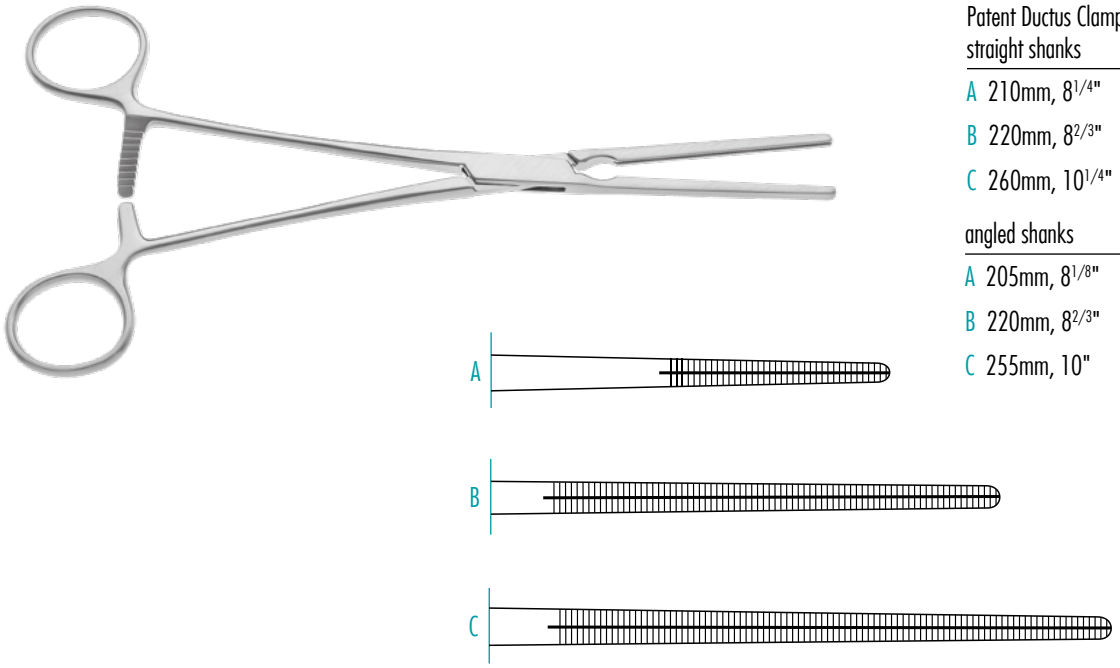
COOLEY
Patent-Ductus Forceps, shanks angled

A	160mm, $6^{1/4}$"	290-473-160
B	170mm, $6^{2/3}$"	290-473-170



COOLEY
Patent-Ductus Forceps, straight

A	160mm, $6^{1/4}$"	290-468-160
B	170mm, $6^{2/3}$"	290-468-170
C	170mm, $6^{2/3}$"	290-474-170
D	170mm, $6^{2/3}$"	290-476-170

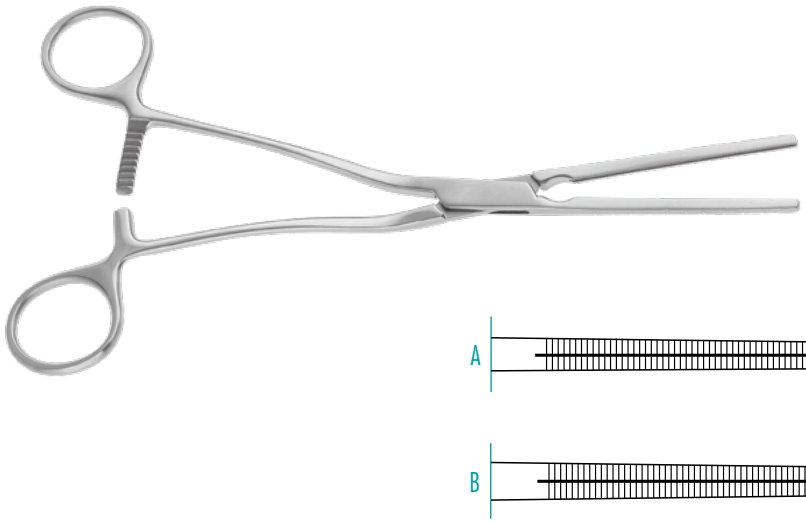


COOLEY
Patent Ductus Clamp,
straight shanks

A	210mm, $8^{1/4}$"	290-450-210
B	220mm, $8^{2/3}$"	290-450-220
C	260mm, $10^{1/4}$"	290-450-260

angled shanks

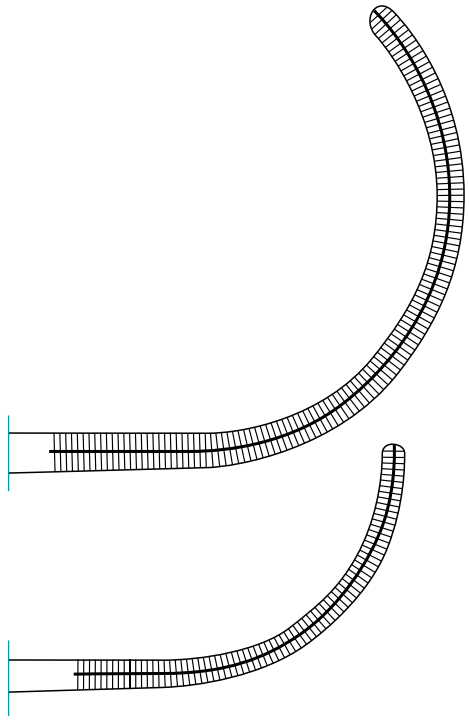
A	205mm, $8^{1/8}$"	290-452-200
B	220mm, $8^{2/3}$"	290-452-220
C	255mm, 10"	290-452-250



COOLEY
Iliac Clamp, straight,
shanks strongly angled

A 210mm, $8^{1/4}$"	290-467-210
B 250mm, $9^{7/8}$"	290-467-255





COOLEY
Iliac Clamp, wide curved,
shanks curved backwards

275mm, $10^{7/8}$"	290-512-270

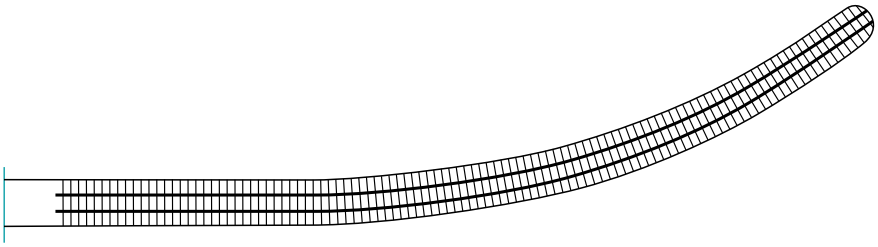
shanks curved backwards

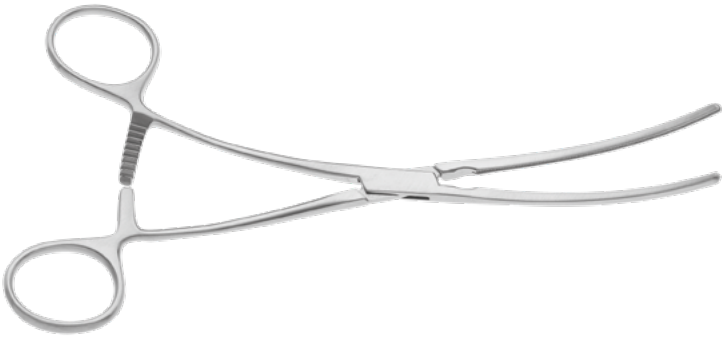
240mm, $9^{1/2}$"	290-519-240



COOLEY
Aortic Clamp, 3x3teeth,
shanks s-curved

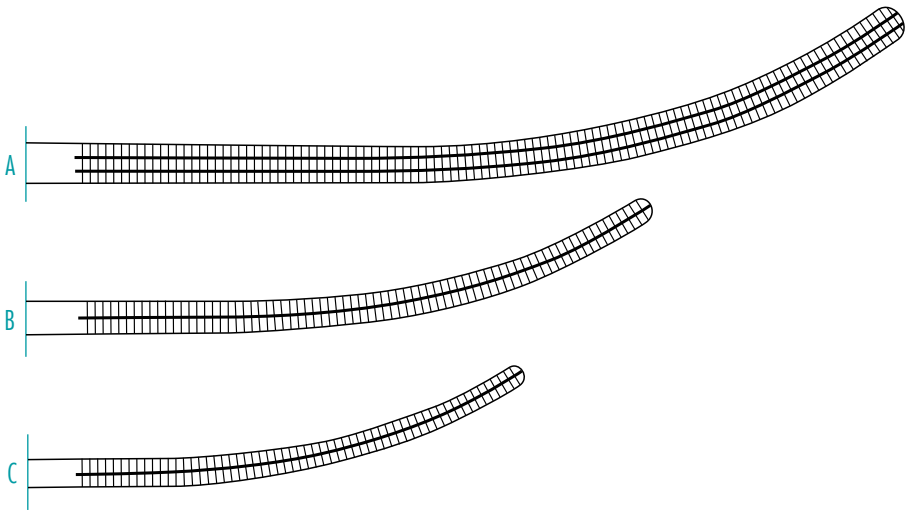
310mm, 12 1/4"	290-512-315

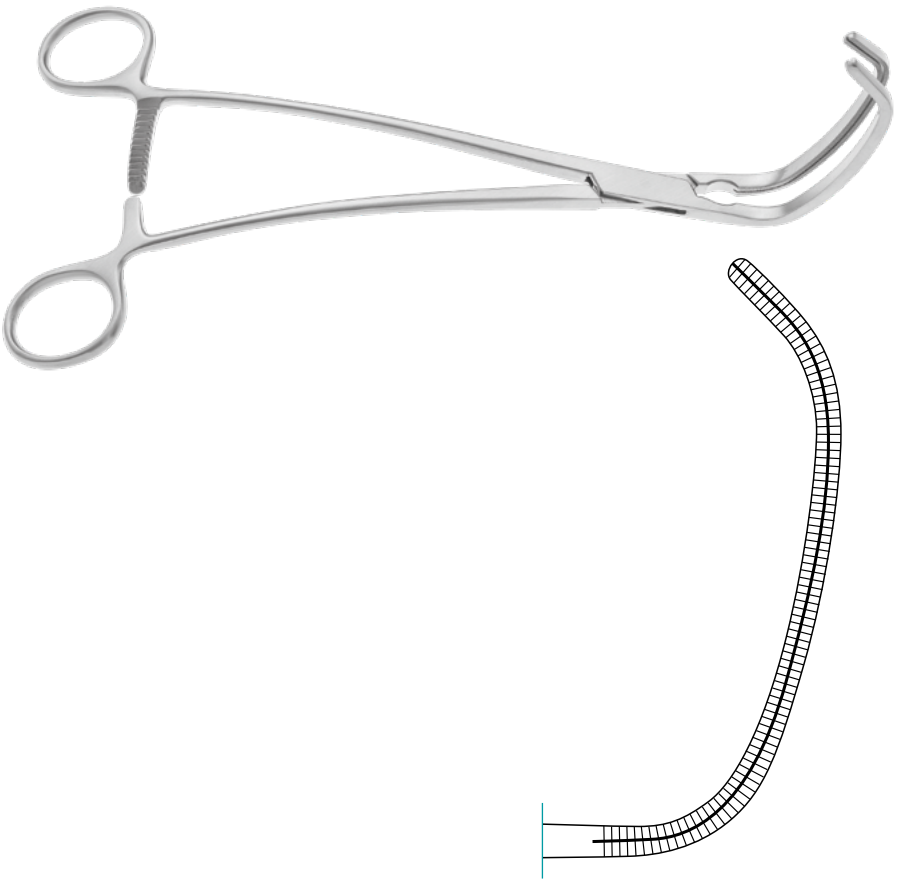




COOLEY
Aortic Clamp, curved, 3x3 teeth

A 335mm, 13"	290-515-330
2x2 teeth	
B 265mm, 10 1/2"	290-514-260
C 190mm, 7 1/2"	290-514-190





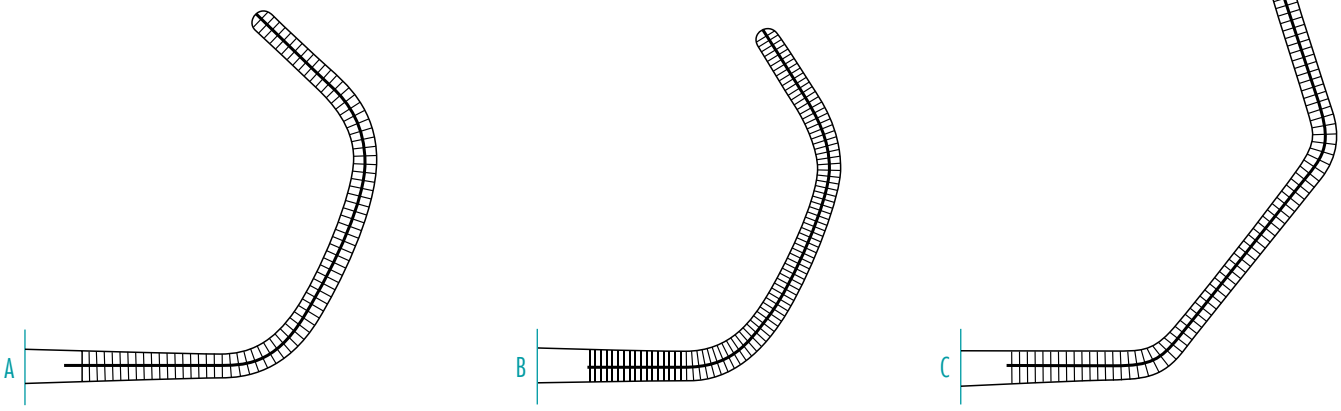
COOLEY
Aortic Clamp

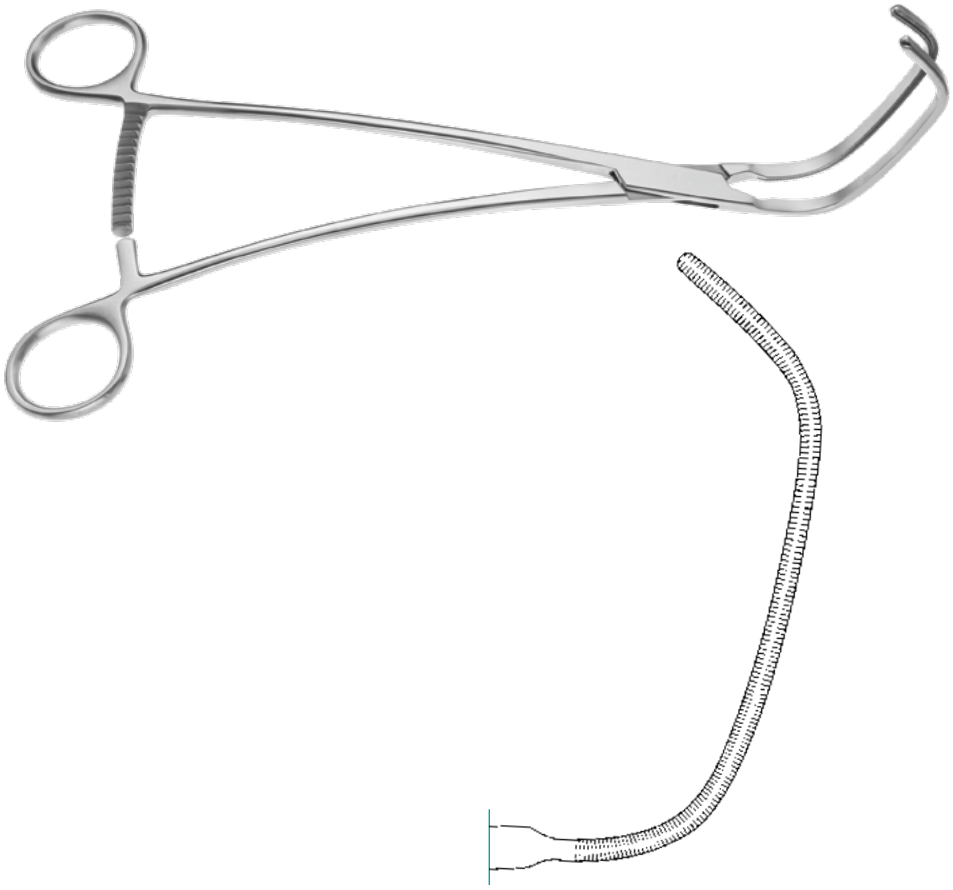
225mm, $8^{7/8}$"	290-516-220
260mm, $10^{1/4}$"	290-516-260
270mm, $10^{2/3}$"	290-516-270



COOLEY
Aortic Clamp,
shanks stronly curved backwards

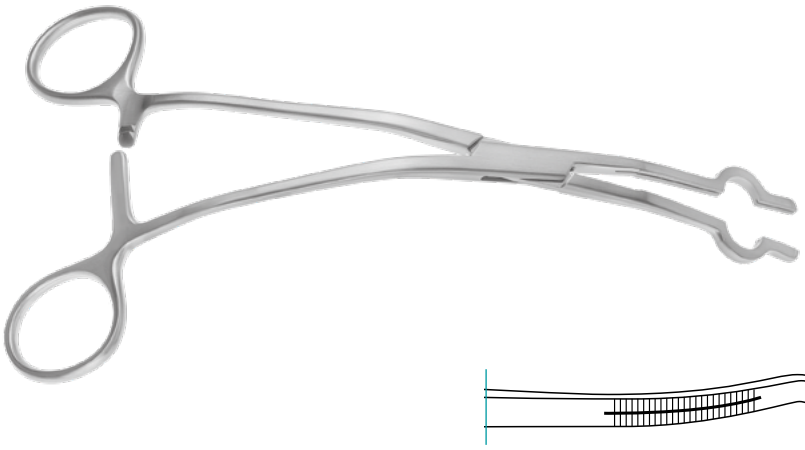
A	200mm, 8"	290-517-200
B	210mm, $8^{1/4}$"	290-517-210
C	255mm, 10"	290-517-250





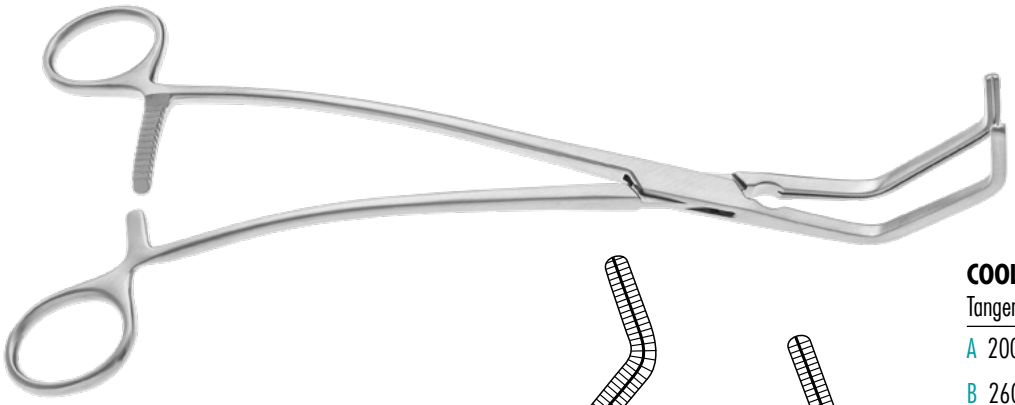
COOLEY
Aortic Clamp, double curved,
shanks curved backwards

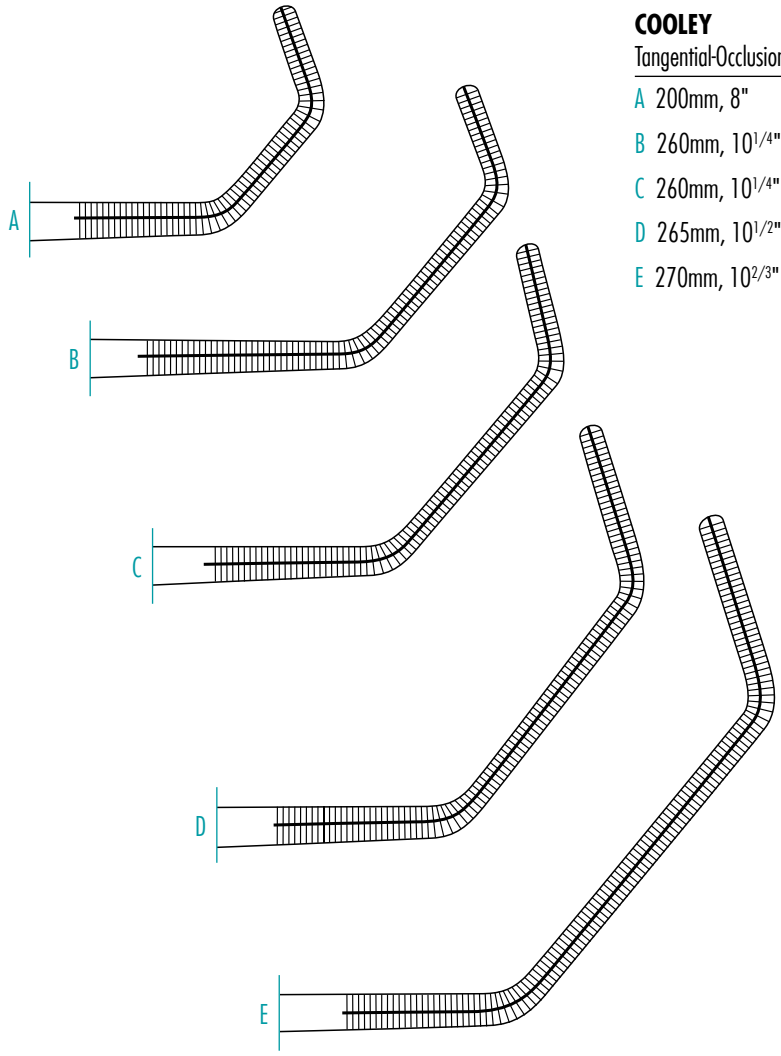
270mm, 10 2/3"	290-518-270



COOLEY
Vena Cava Occlusion Clamp, 170mm, 6 2/3"

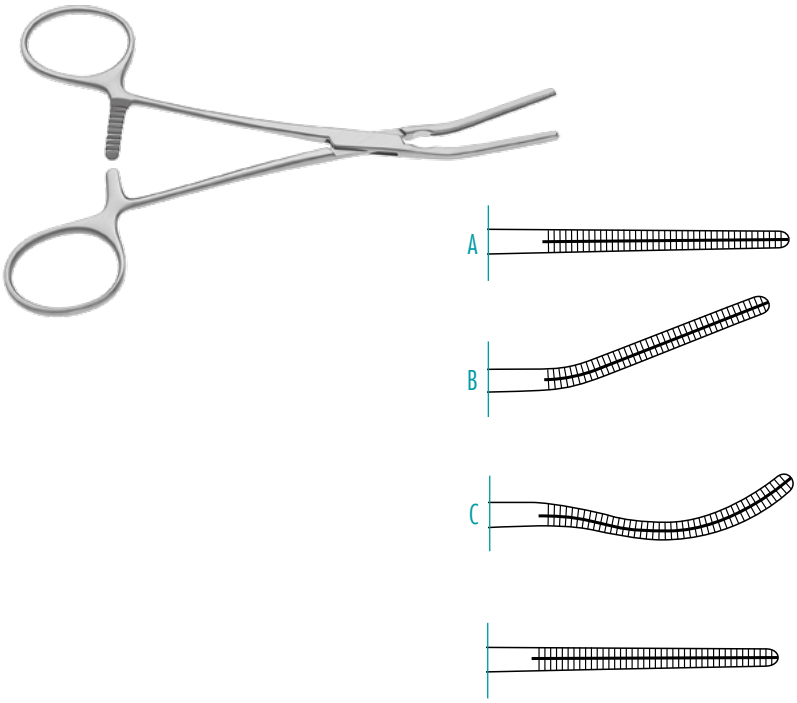
20 Charr.	290-350-010
24 Charr.	290-350-001
26 Charr.	290-350-002
28 Charr.	290-350-003
30 Charr.	290-350-004
32 Charr.	290-350-005
36 Charr.	290-350-007





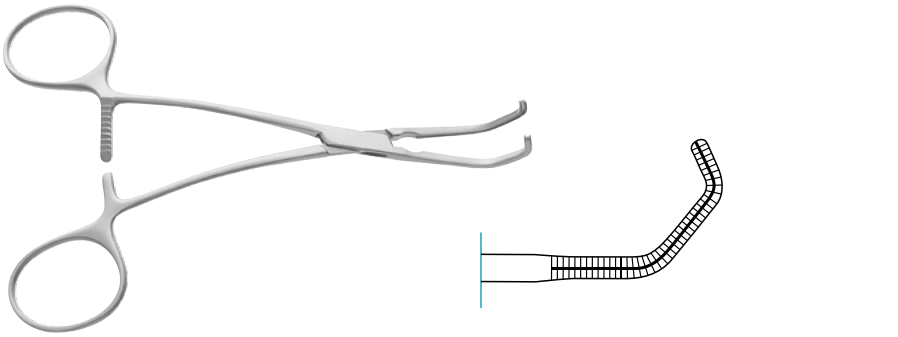
COOLEY
Tangential-Occlusion Clamp

A	200mm, 8"	290-521-200
B	260mm, 10 1/4"	290-521-250
C	260mm, 10 1/4"	290-521-260
D	265mm, 10 1/2"	290-521-265
E	270mm, 10 2/3"	290-521-270



COOLEY
Pediatric Clamp, 140mm, 5 1/2"

A	290-466-001
B	290-466-002
C	290-466-005

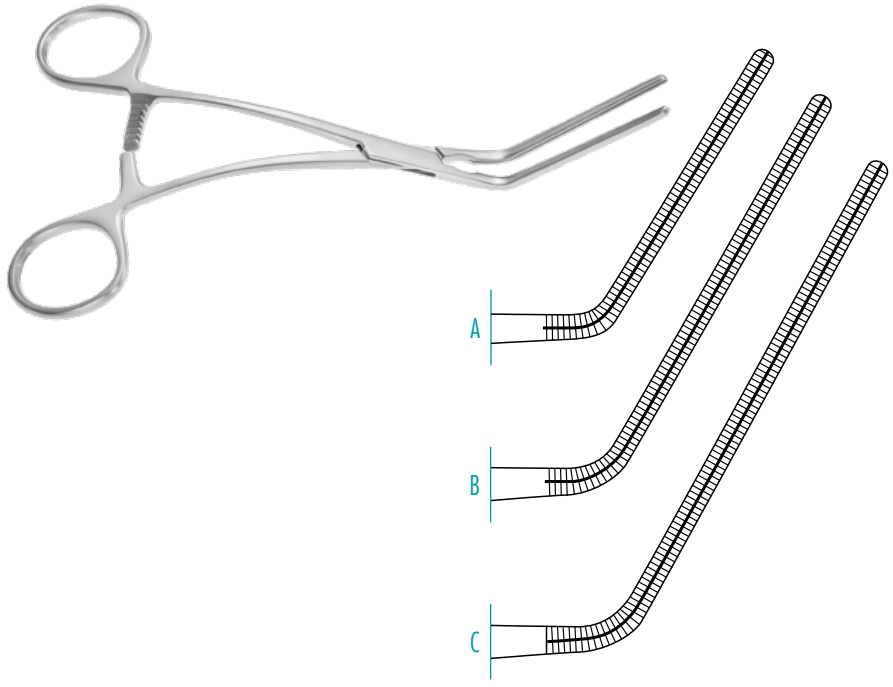


shanks angled

290-466-003

COOLEY
Pediatric Clamp
shanks curved backwards

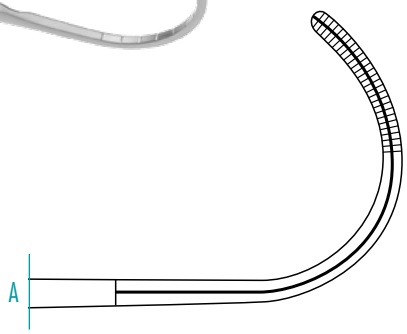
140mm, 5 1/2"	290-466-004

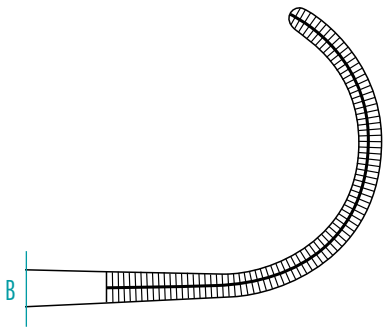


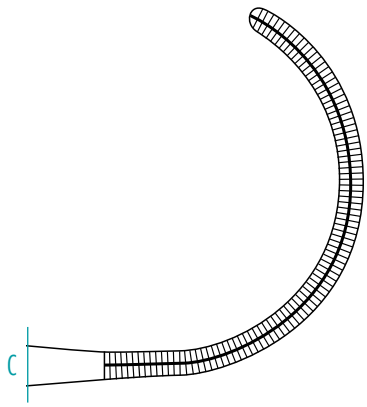
COOLEY
Pediatric Clamp

A 165mm, 6 1/2"	290-468-001
B 175mm, 6 7/8"	290-468-002
C 185mm, 7 1/4"	290-468-003









COOLEY

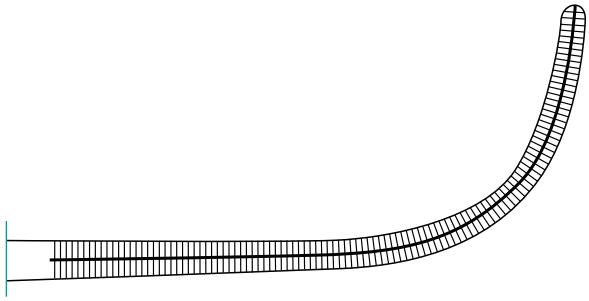
Cardiovascular Forceps, shanks backwards

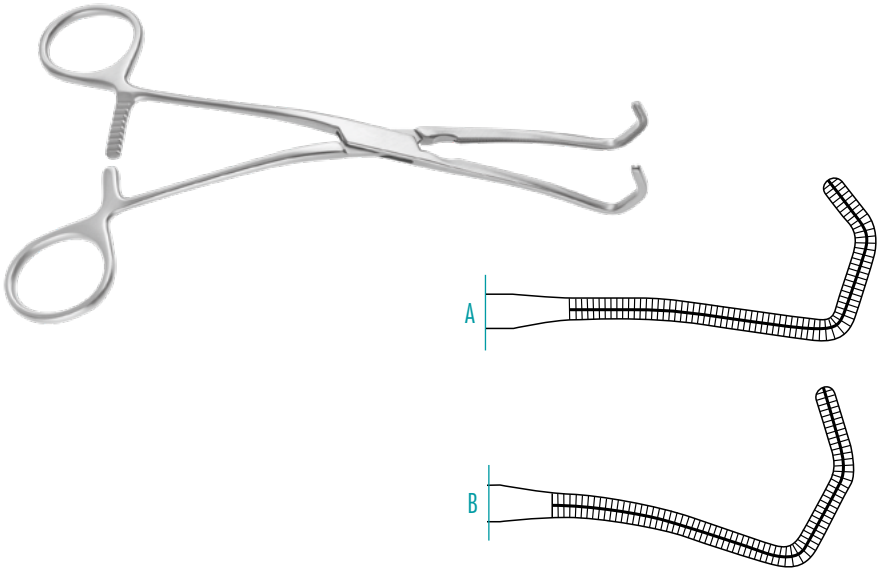
A	170mm, $6^{2/3}$"	290-477-150
B	160mm, $6^{1/4}$"	290-477-160
C	170mm, $6^{2/3}$"	290-477-170



COOLEY
Cardiovascular Clamp,
shanks curved backwards

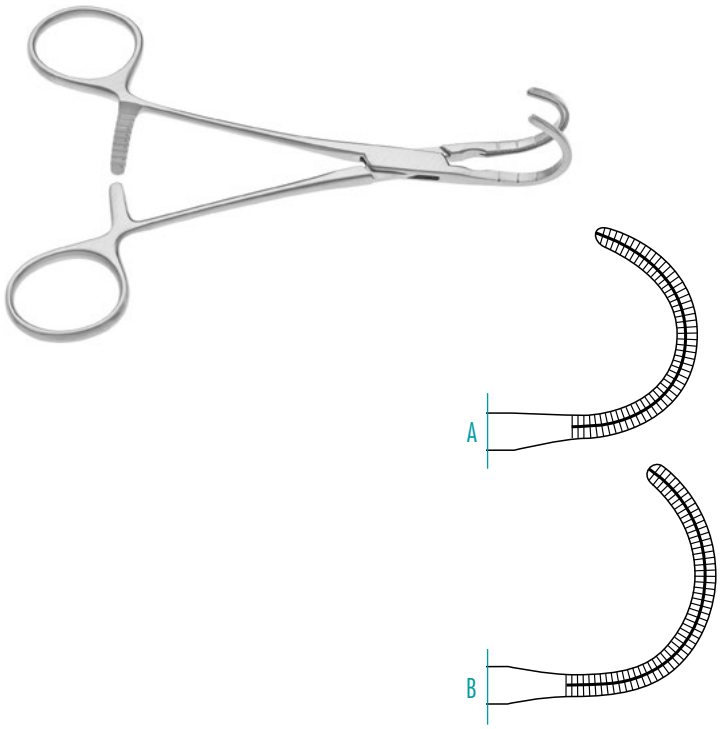
270mm, $10^{2/3}$"	290-513-270





COOLEY
Cardiovascular Clamp
shanks curved backwards

A 170mm, $6^{2/3}$"	290-470-170
B 170mm, $6^{2/3}$"	290-471-160

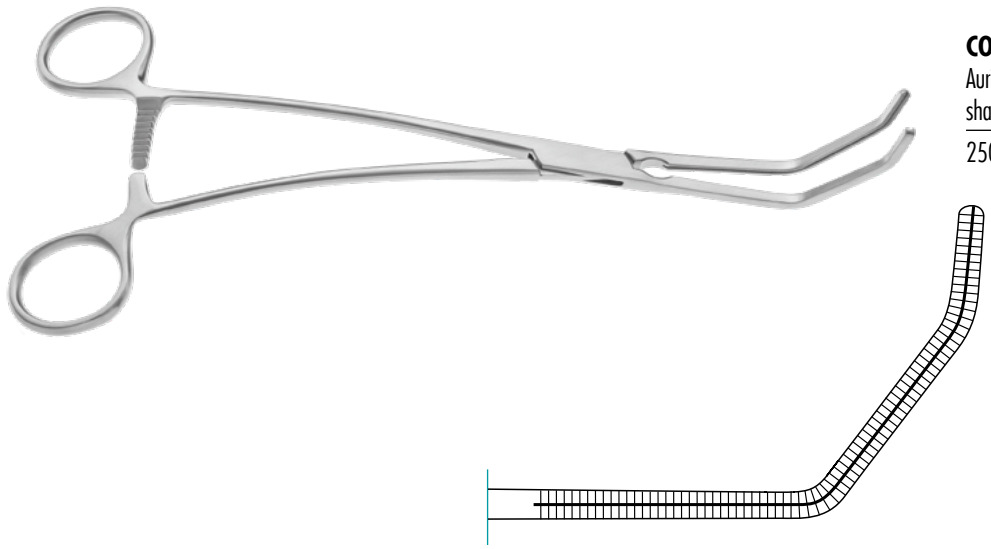


COOLEY BECK
Vessel Clamp, 150mm, 6"
narrow curved

A	290-478-150

wide curved

B	290-478-155



COOLEY
Auricular Appendage Clamp, s-angled,
shanks curved backwards

250mm, $9^{7/8}$"	290-513-240



FOGARTY
Aortic Insert Clamp

33mm, 170mm, $6^{2/3}$"	290-487-170
61mm, 290mm, $11^{1/2}$"	290-487-290
86mm, 300mm, $11^{7/8}$"	290-487-300



FOGARTY
Aortic Insert Clamp, 60° curved

33mm, 160mm, $6^{1/4}$"	290-488-160
61mm, 260mm, $10^{1/4}$"	290-488-260



FOGARTY
Aortic Insert Clamp, curved

33mm, 170mm, $6^{2/3}$"	290-489-170
61mm, 260mm, $10^{1/4}$"	290-489-260
86mm, 290mm, $11^{1/2}$"	290-489-290

INSERTS FOR FOGARTY CLAMPS

1 pack = 2x10 pair



Hydrajaw inserts for delicate and fragile vessels, resterilizable	
33mm	290-480-133
61mm	290-480-161
86mm	290-480-186

Softjaw inserts for damaged vessels, single use	
33mm	290-480-233
61mm	290-480-261
86mm	290-480-286

Safejaw and hydrajaw insert, single use	
33mm	290-480-333
61mm	290-480-361
86mm	290-480-386

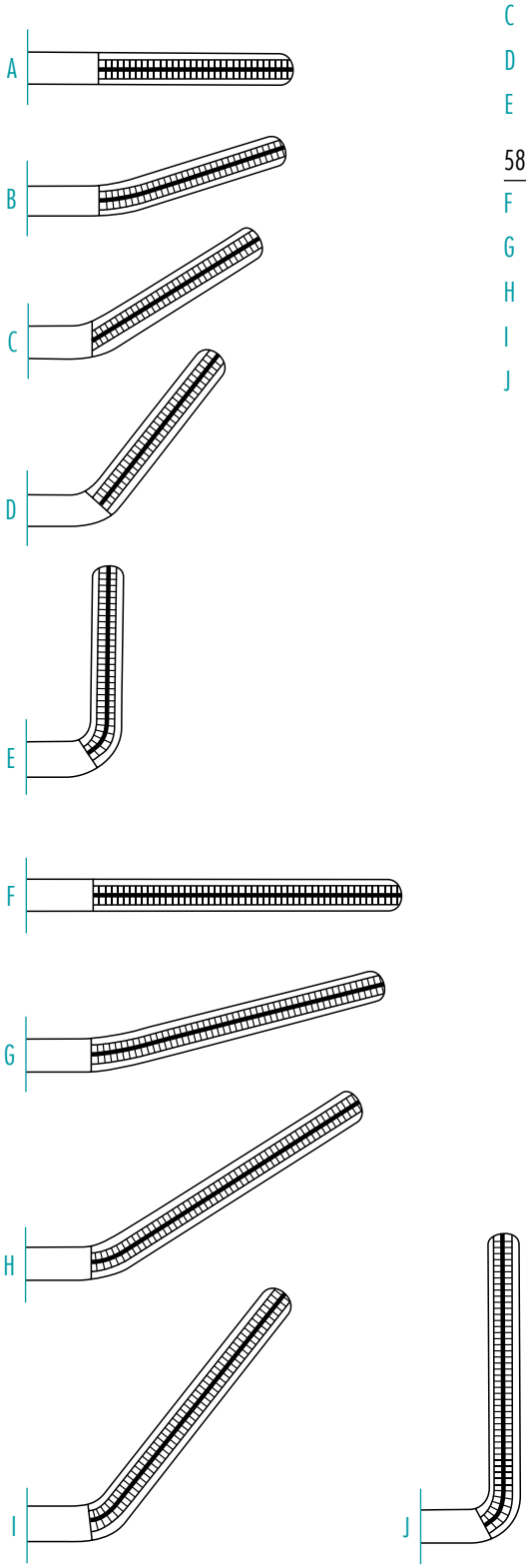
Safejaw and softjaw inserts, single use	
33mm	290-480-433
61mm	290-480-461
86mm	290-480-486

Hydrajaw and tractionjaw inserts, resterilizable	
33mm	290-480-533
61mm	290-480-561
86mm	290-480-586

Two safejaw inserts, single use	
33mm	290-480-633
61mm	290-480-661
86mm	290-480-686

Softjaw and tractionjaw inserts, single use	
33mm	290-480-733
61mm	290-480-761
86mm	290-480-786



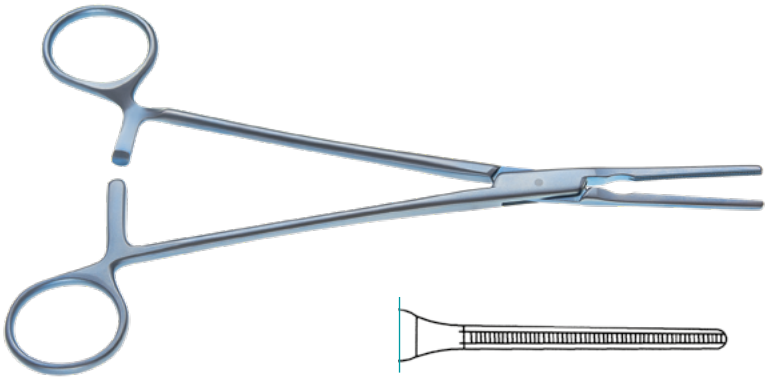


DARDIK
Multi-Purpose Clamp, 38mm

A	130mm, $5^{1/8}$"	290-336-000
B	145mm, $5^{3/4}$"	290-336-015
C	150mm, 6"	290-336-030
D	150mm, 6"	290-336-045
E	150mm, 6"	290-336-090

58mm

F	135mm, $5^{1/3}$"	290-338-000
G	160mm, $6^{1/4}$"	290-338-015
H	170mm, $6^{2/3}$"	290-338-030
I	170mm, $6^{2/3}$"	290-338-045
J	170mm, $6^{2/3}$"	290-338-090



GLOVER
Patent Ductus Coarctation Vascular Clamp

straight shanks

200mm, 8"	290-700-200

angled shanks

200mm, 8"	290-701-200



straight shanks

200mm, 8"	290-700-201

angled shanks

200mm, 8"	290-701-201



straight shanks

210mm, 8 1/4"	290-700-210

angled shanks

210mm, 8 1/4"	290-701-210

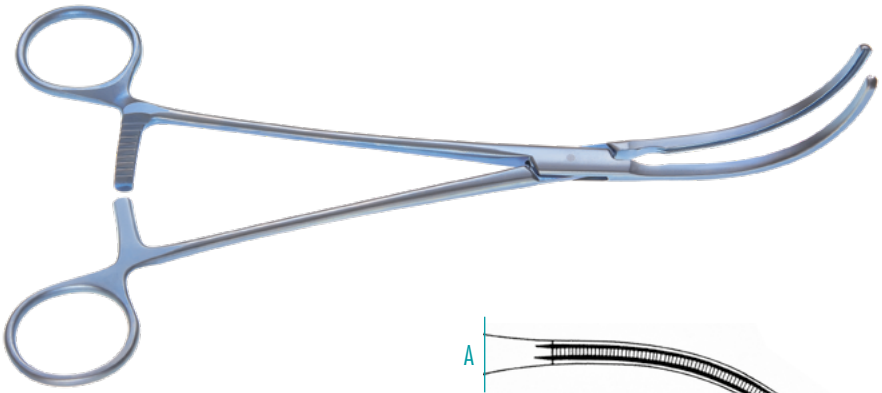


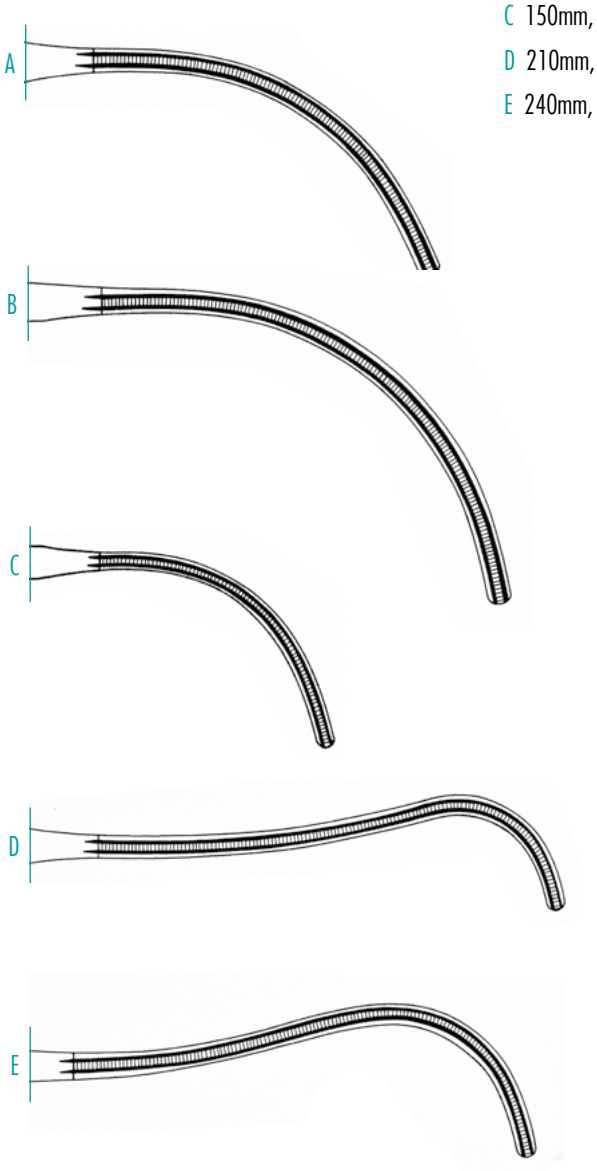
straight shanks

220mm, 8 2/3"	290-700-220

angled shanks

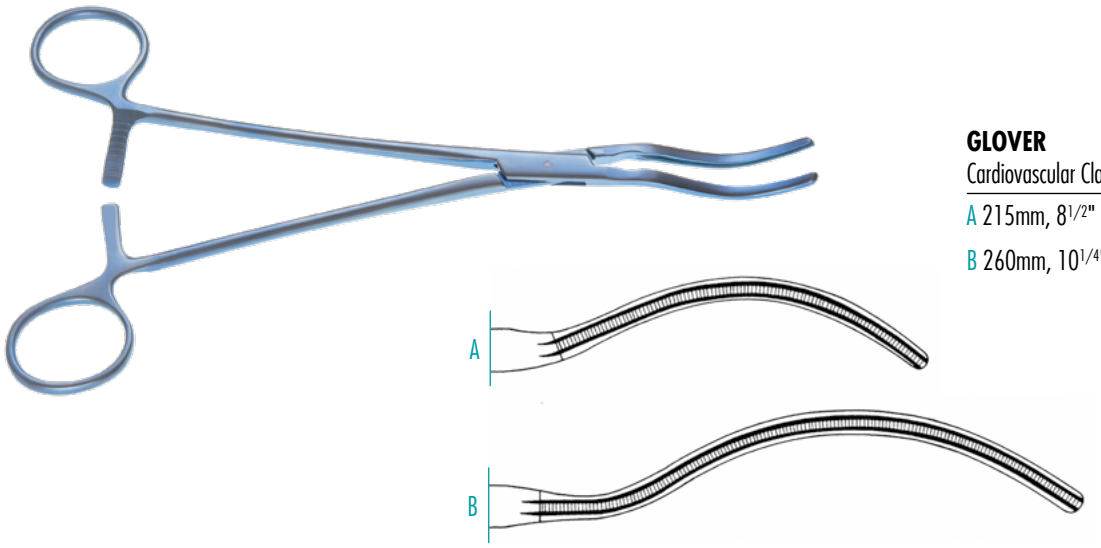
220mm, 8 2/3"	290-701-220





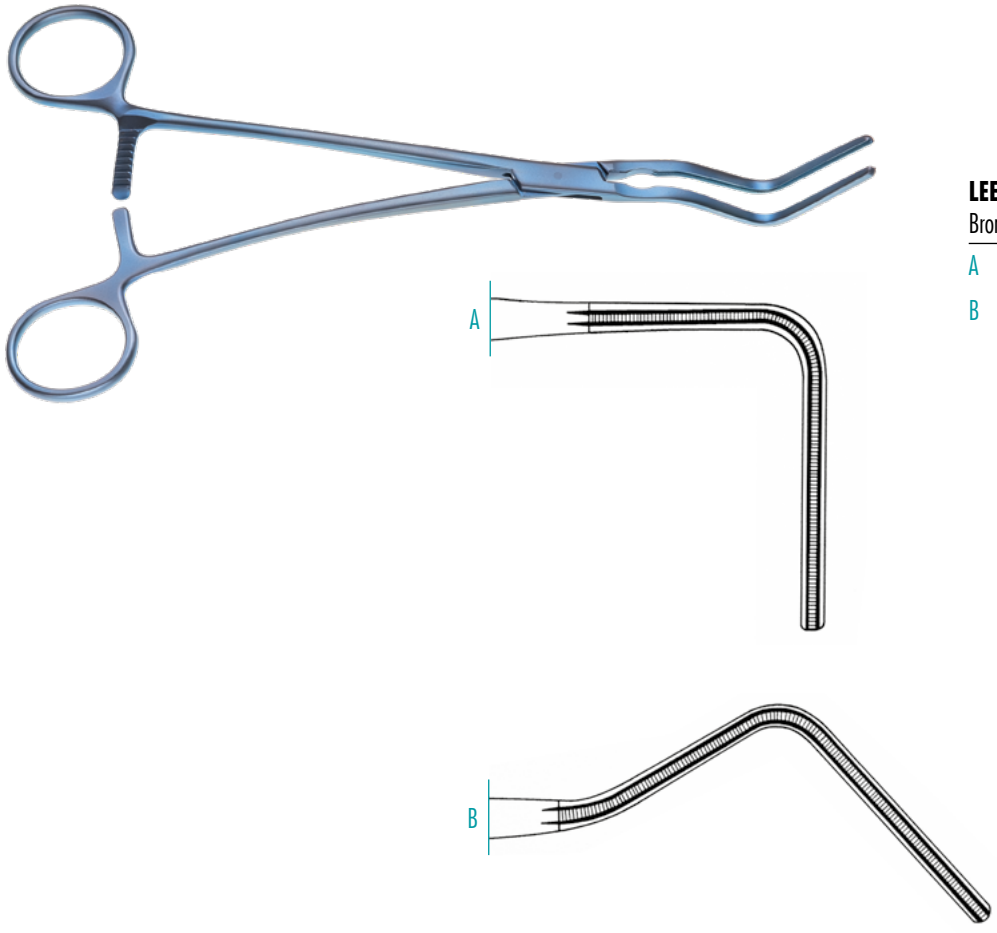
GLOVER
Vascular Clamp

A	210mm, 8 1/4"	290-719-210
B	240mm, 9 1/2"	290-719-240
C	150mm, 6"	290-719-150
D	210mm, 8 1/4"	290-721-210
E	240mm, 9 1/2"	290-721-240



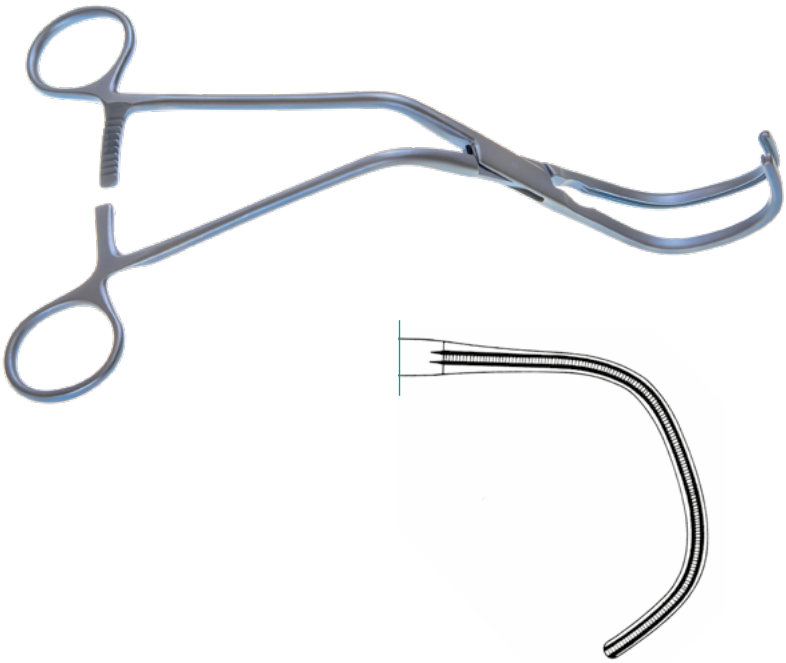
GLOVER
Cardiovascular Clamp, spoon shaped

A 215mm, $8^{1/2}$"	290-703-210
B 260mm, $10^{1/4}$"	290-703-260



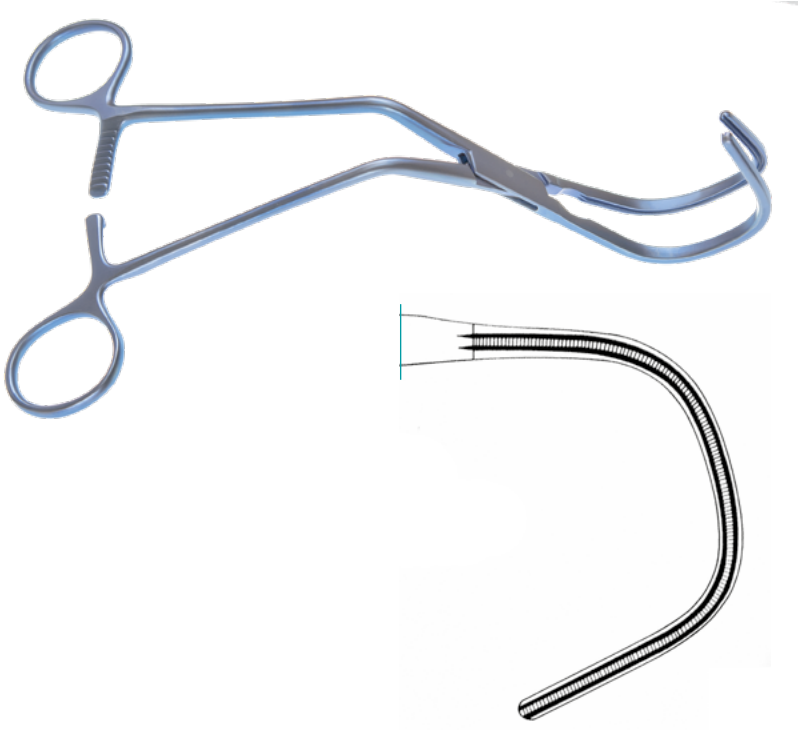
LEES
Bronchus Clamp, 220mm, $8^{2/3}$"

A	290-707-220
B	290-707-230



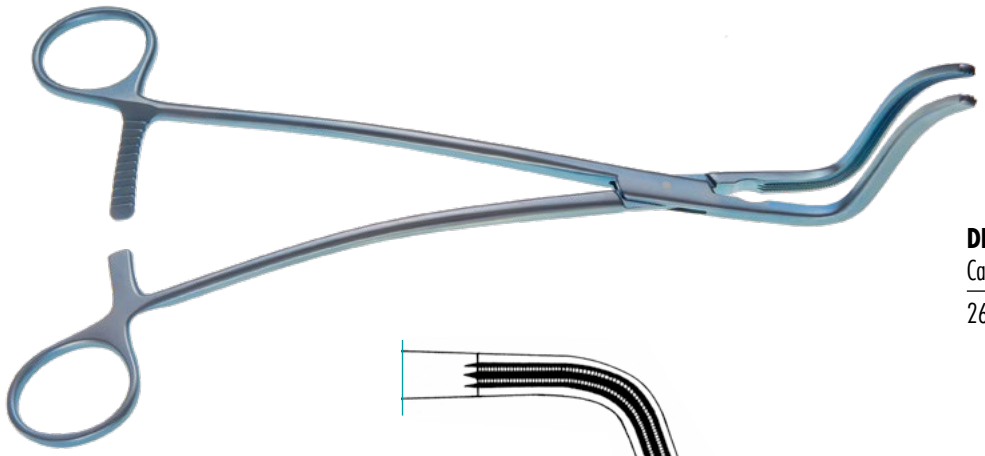
LAMBERT-KAY
Aortic Clamp

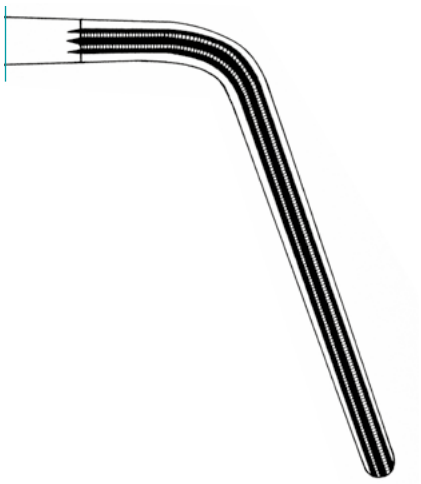
200mm, 8"	290-730-210



KAY
Cardiovascular Clamp

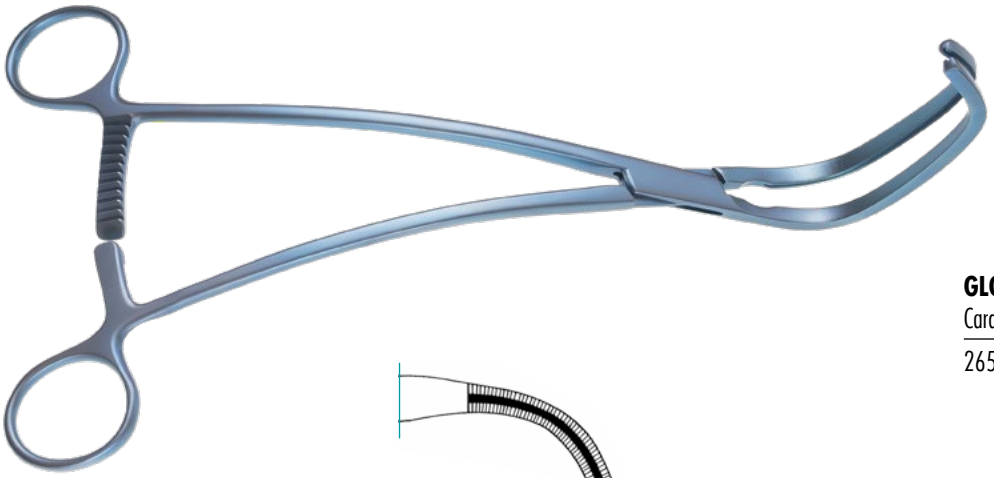
200mm, 8"	290-711-200

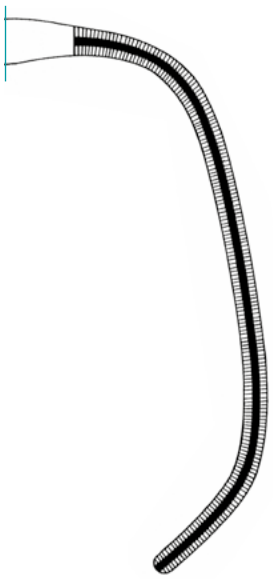




DEBAKEY
Cardiovascular Clamp

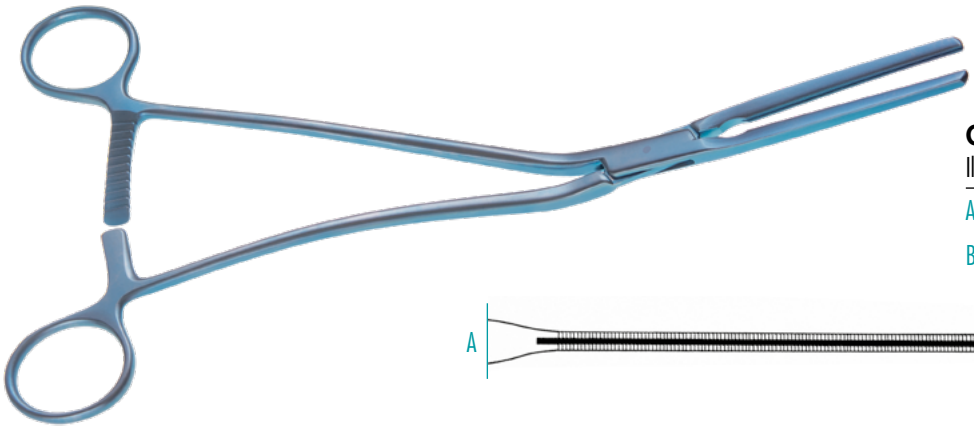
265mm, 10 1/2"	290-713-260

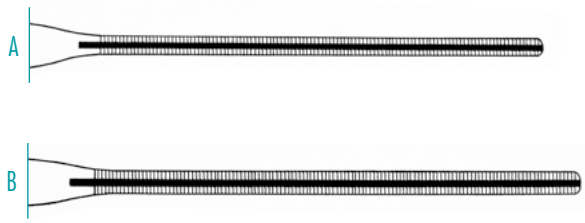




GLOVER
Cardiovascular Clamp

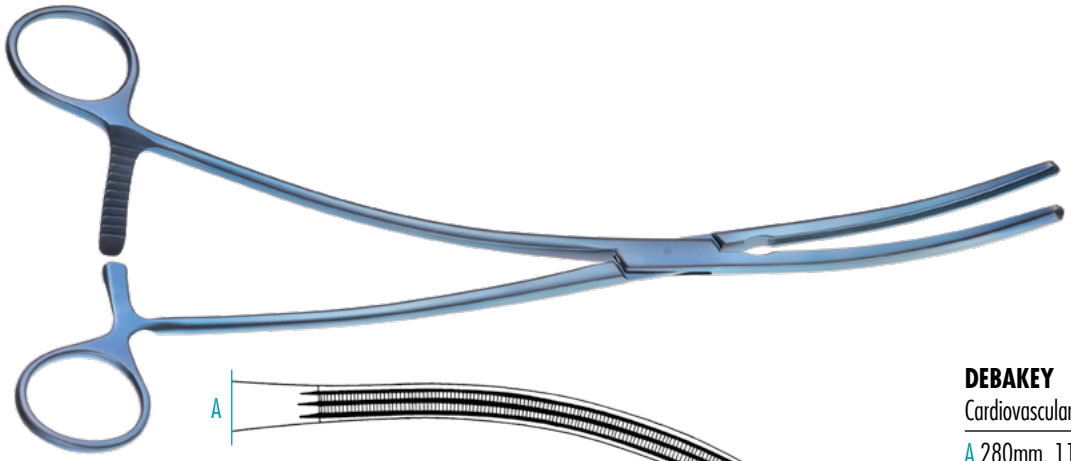
265mm, 10 1/2"	290-715-260

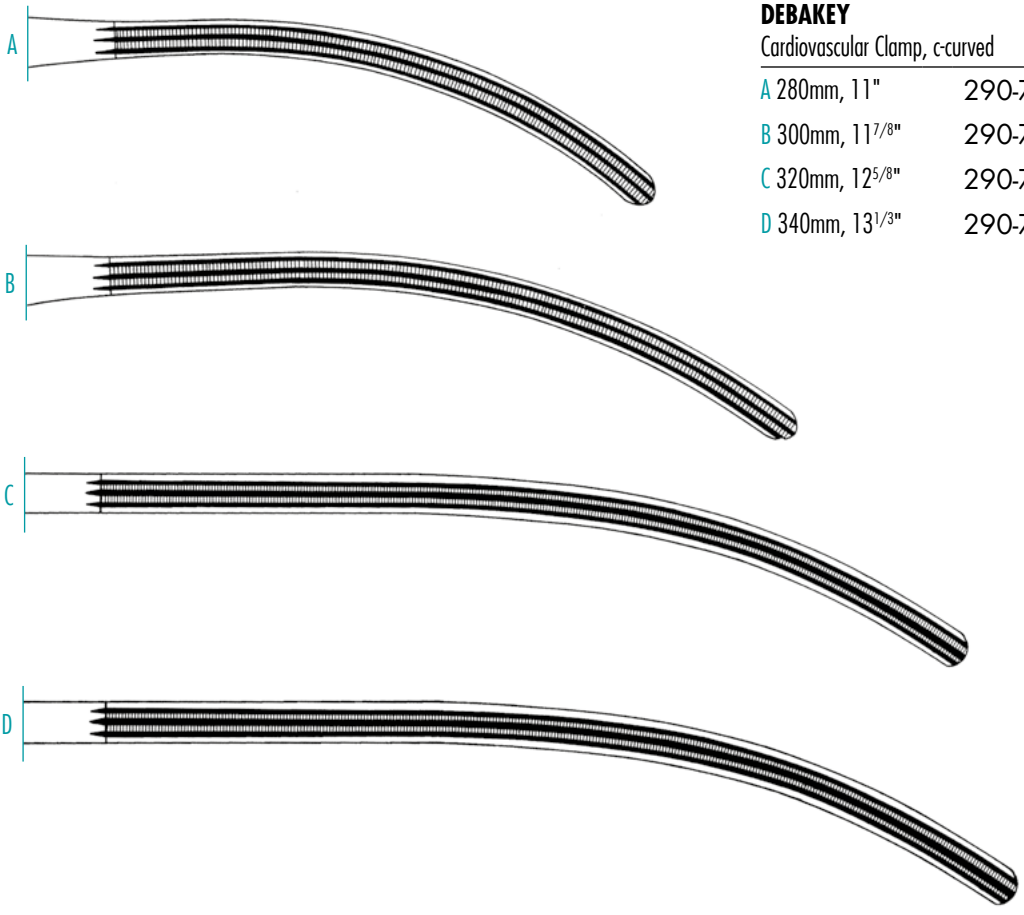




COOLEY
Illiac Artery Clamp

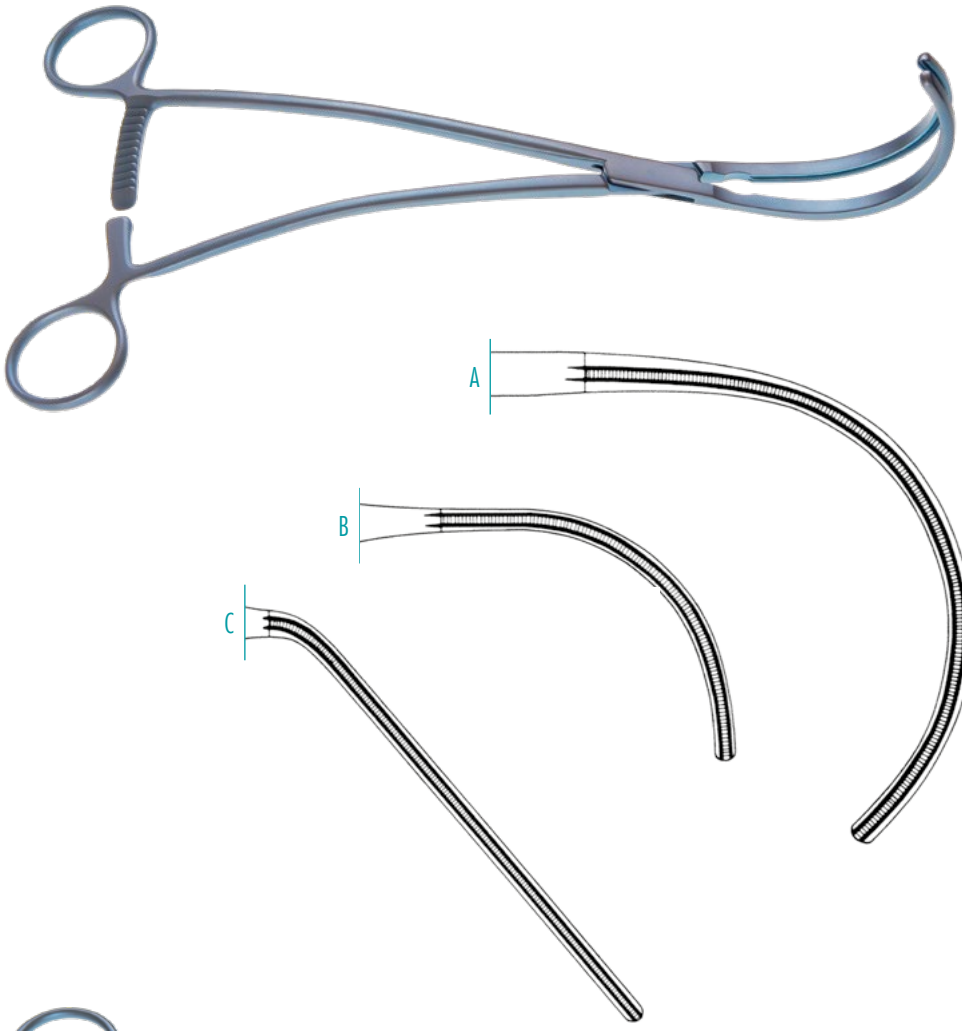
A 215mm, 8 1/2"	290-717-210
B 260mm, 10 1/4"	290-717-260





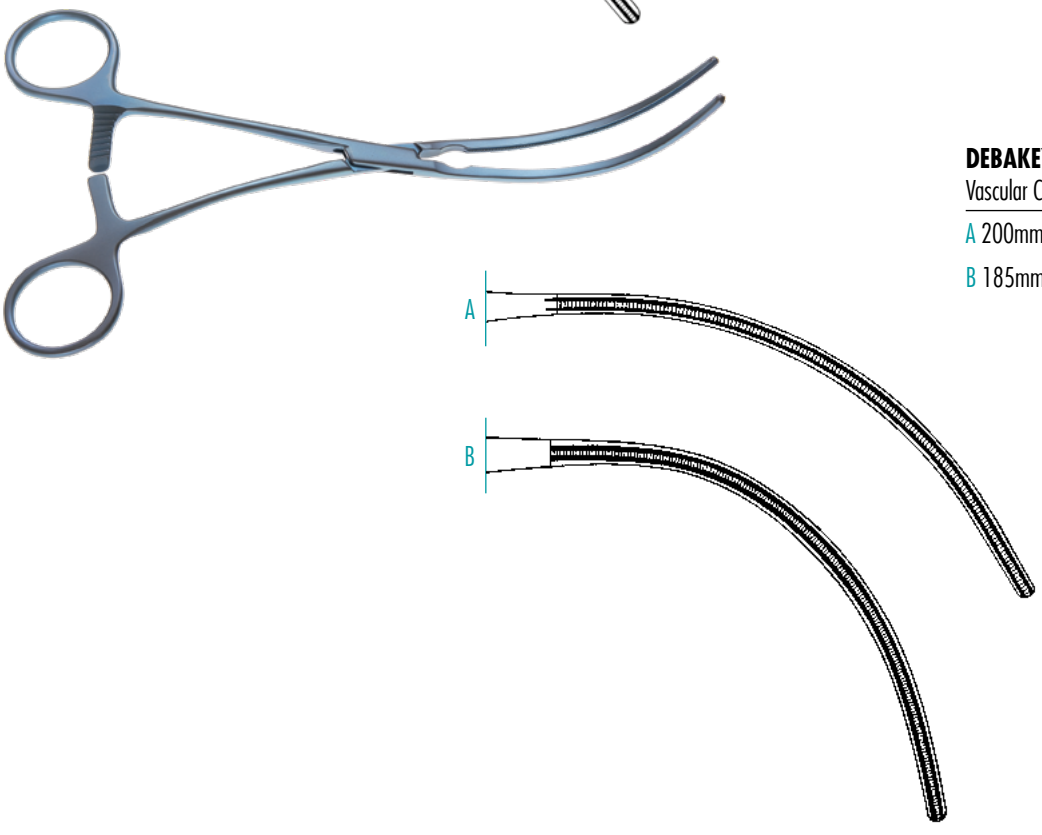
DEBAKEY
Cardiovascular Clamp, c-curved

A 280mm, 11"	290-723-280
B 300mm, 11 7/8"	290-723-300
C 320mm, 12 5/8"	290-723-320
D 340mm, 13 1/3"	290-723-340



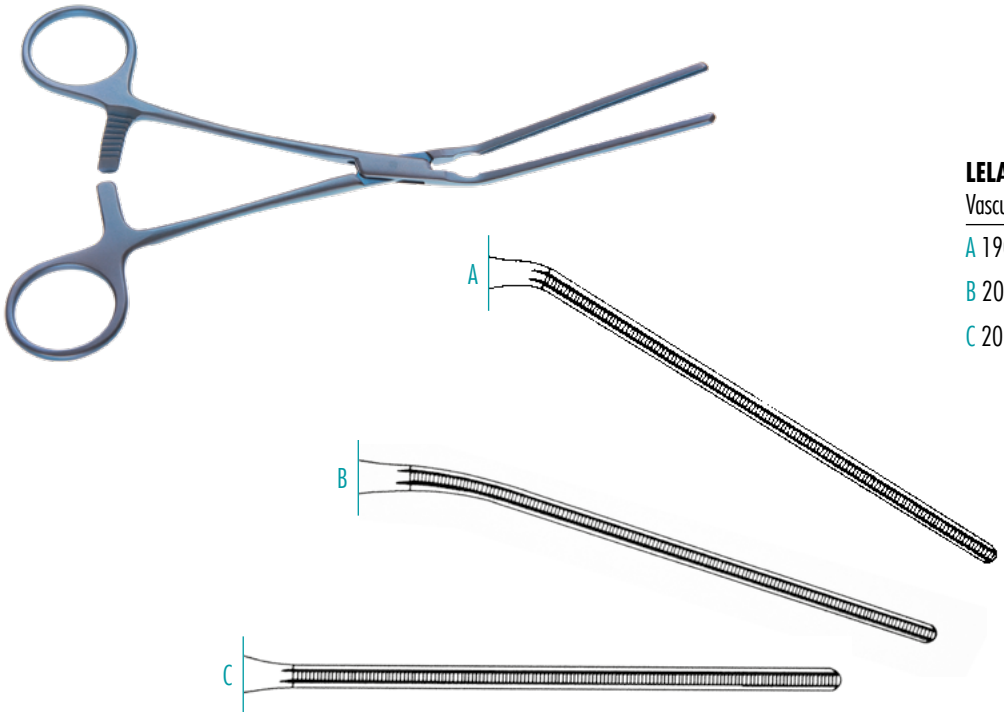
DEBAKEY
Cardiovascular Clamp

A 265mm, $10^{1/2}$"	290-727-270
B 260mm, $10^{1/4}$"	290-727-260
C 180mm, 7"	290-729-180



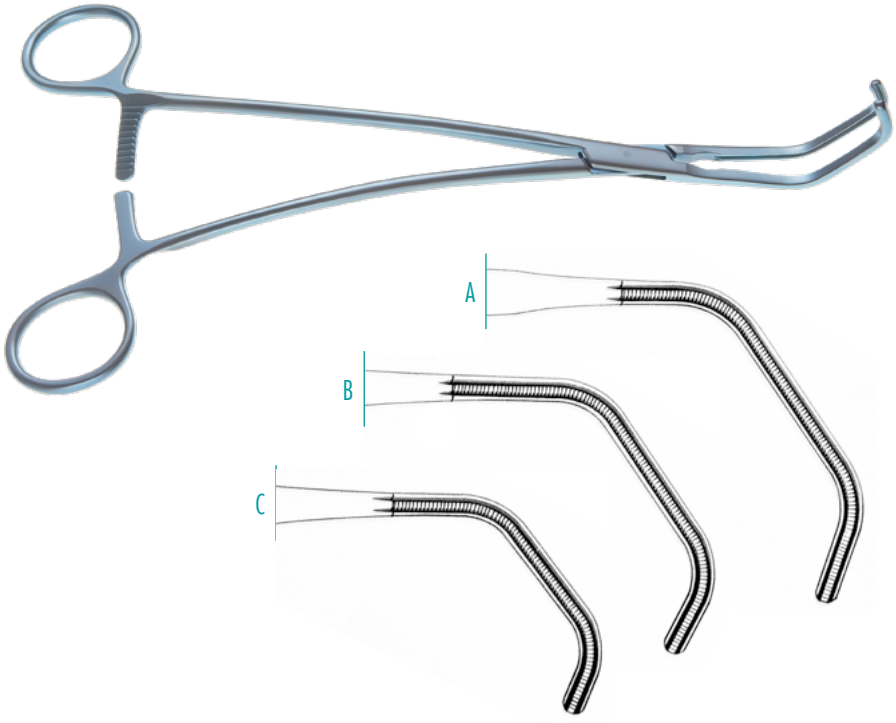
DEBAKEY
Vascular Clamp

A 200mm, 8"	290-727-200
B 185mm, $7^{1/4}$"	290-727-180



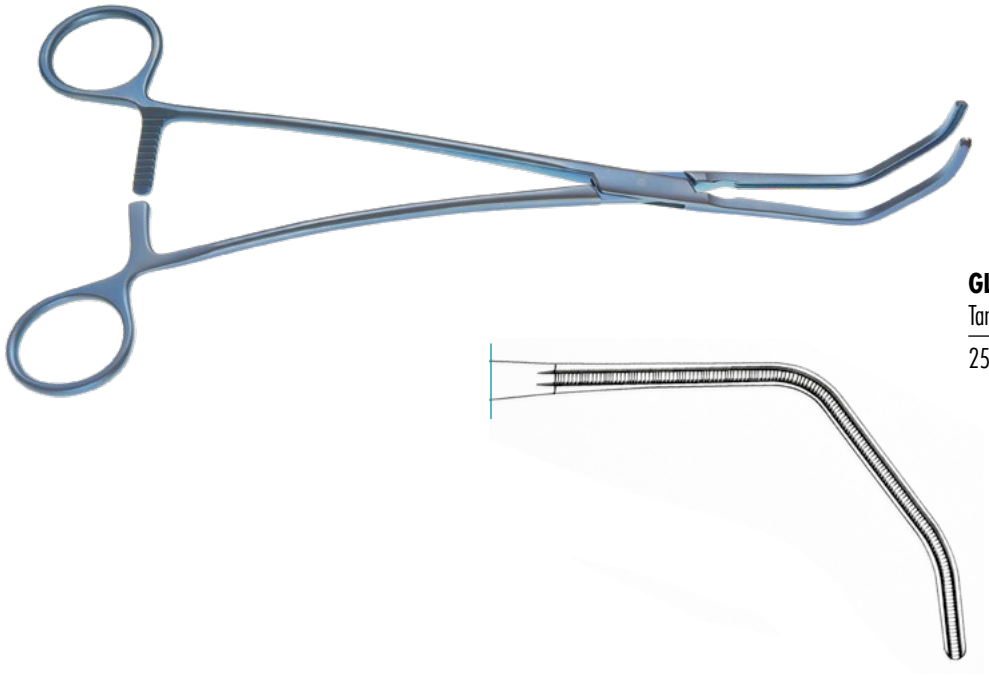
LELAND JONES
Vascular Clamp

A 190mm, 7 1/2"	290-731-190
B 200mm, 8"	290-731-200
C 205mm, 8 1/8"	290-731-210



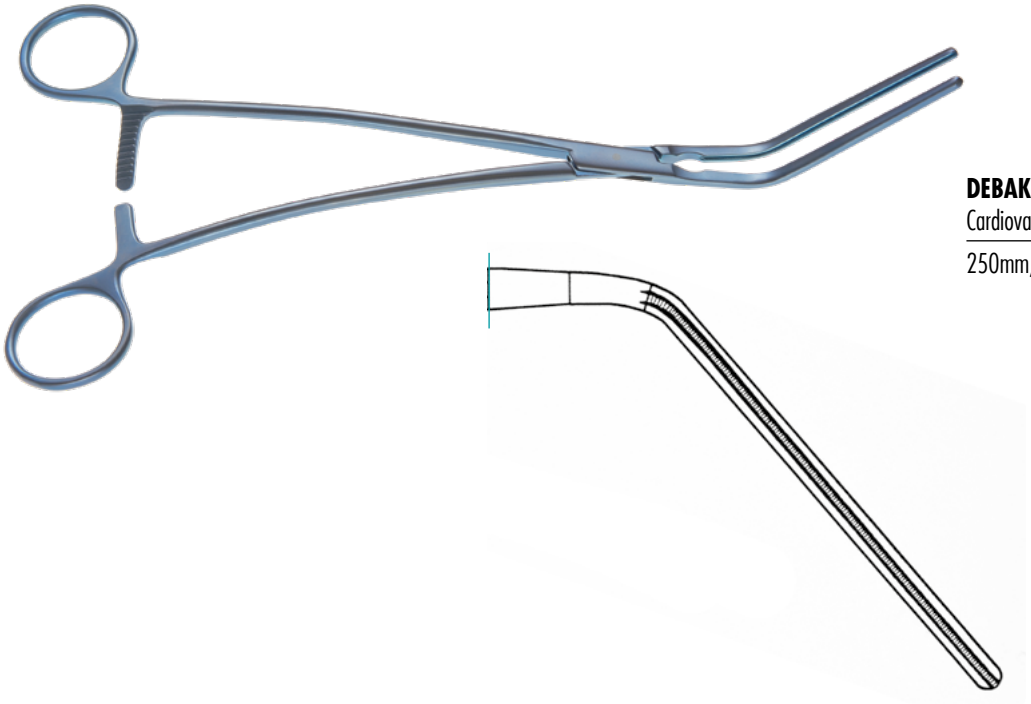
SATINSKY
Vena Cava Clamp, 250mm, 9 7/8"

A	290-735-001
B	290-735-002
C	290-735-003



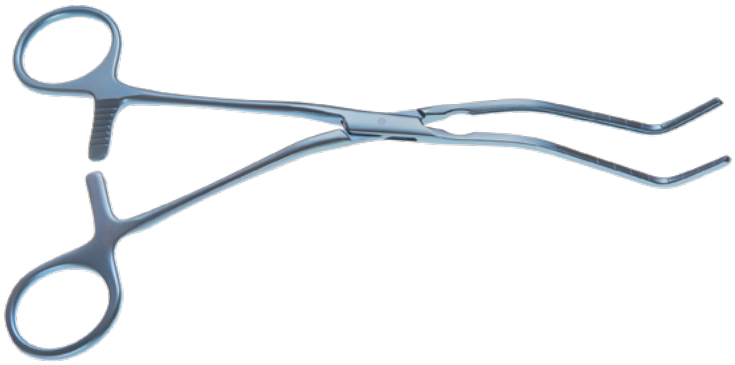
GLOVER
Tangential Clamp

250mm, 9 7/8"	290-735-250



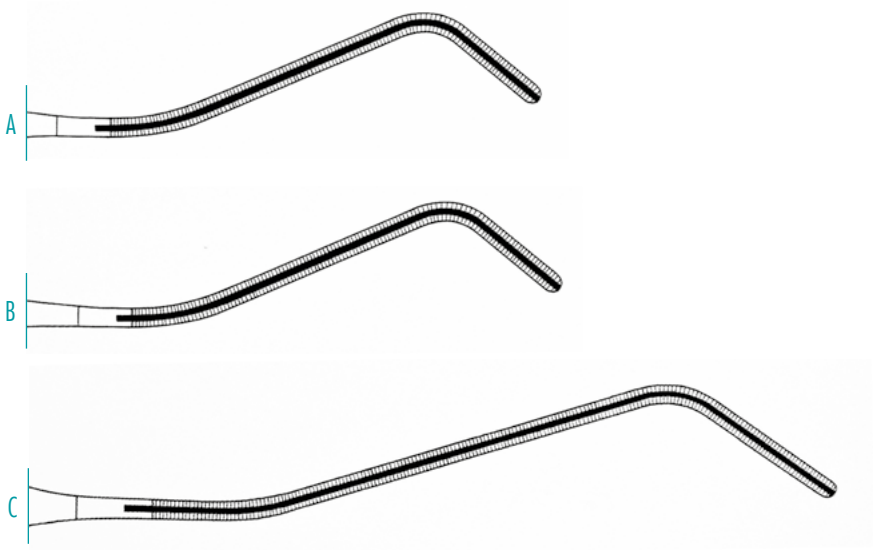
DEBAKEY
Cardiovascular Clamp

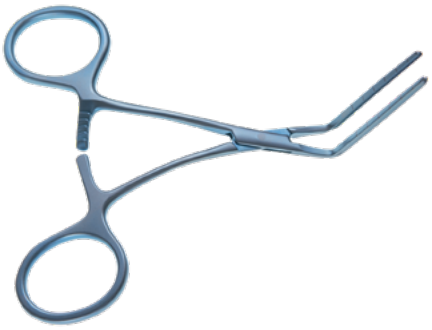
250mm, 9 7/8"	290-737-260

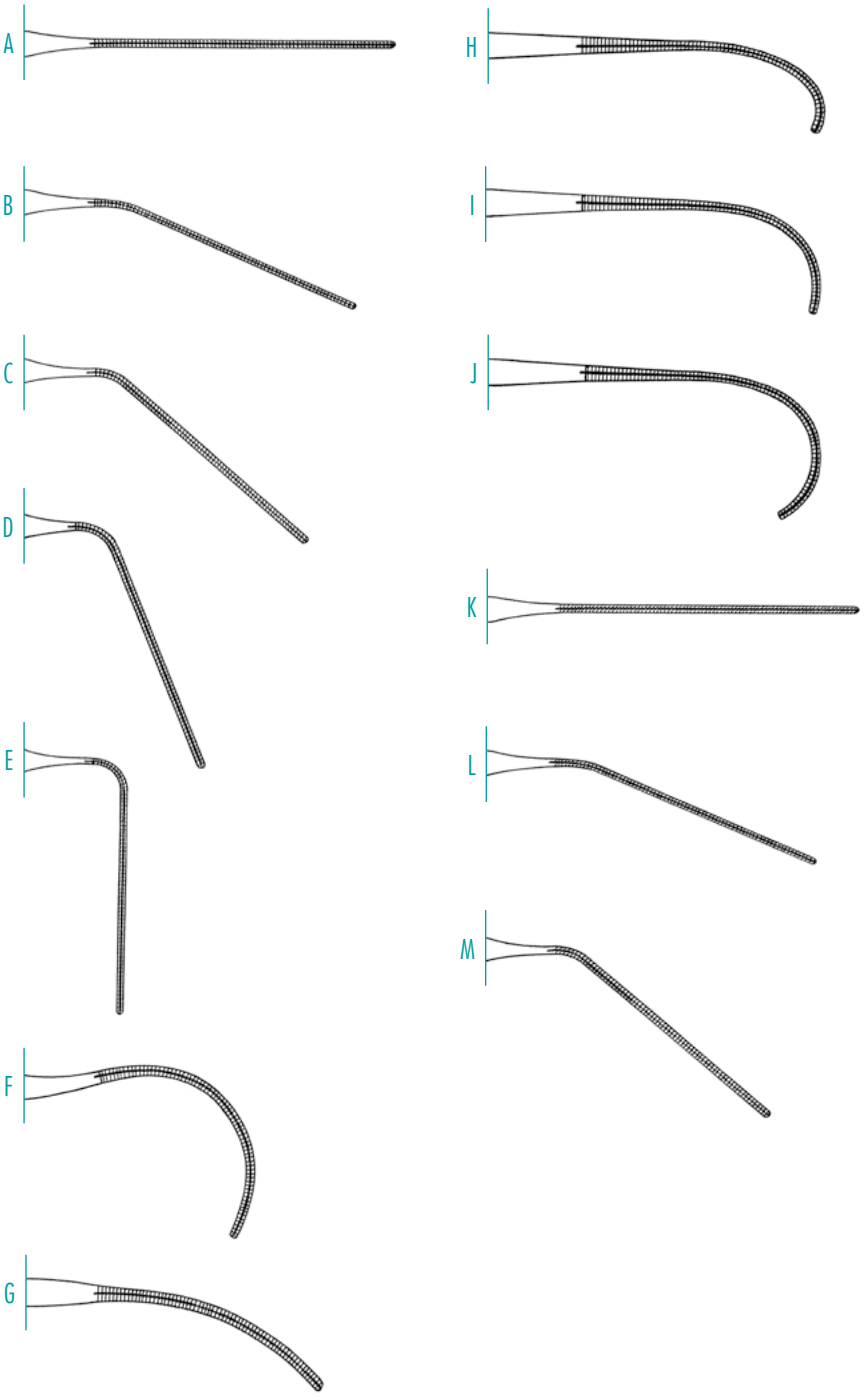


COOLEY
Renal Artery Clamp

A 190mm, $7^{1/2}$"	290-739-190
B 200mm, 8"	290-739-200
C 270mm, $10^{2/3}$"	290-739-270

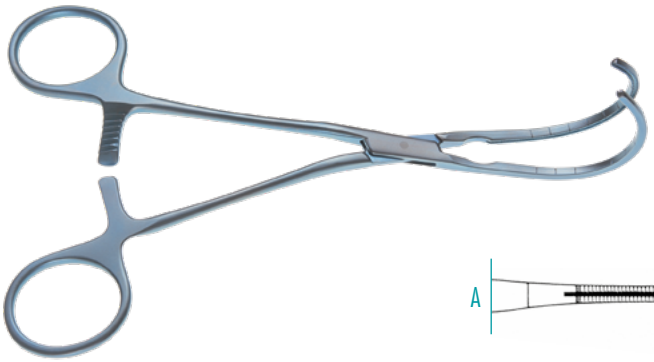


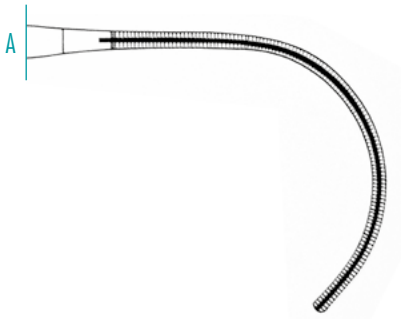


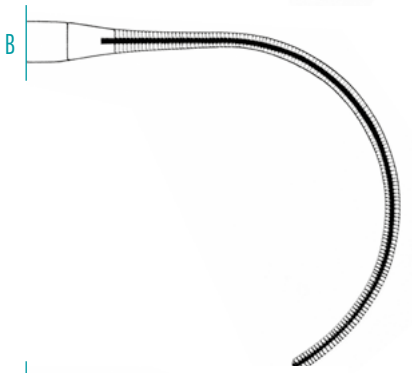


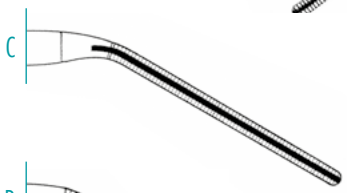
CASTANEDA
Pediatric Clamp

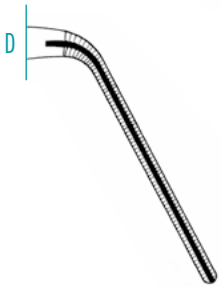
A 130mm, 5 1/8"	290-732-130
B 130mm, 5 1/8"	290-734-130
C 130mm, 5 1/8"	290-735-130
D 120mm, 4 3/4"	290-734-120
E 110mm, 4 1/3"	290-732-110
F 120mm, 4 3/4"	290-793-120
G 130mm, 5 1/8"	290-794-130
H 150mm, 6"	290-796-150
I 150mm, 6"	290-795-150
J 150mm, 6"	290-797-150
K 160mm, 6 1/4"	290-798-160
L 160mm, 6 1/4"	290-799-160
M 150mm, 6"	290-798-150
N 150mm, 6"	290-799-150
O 140mm, 5 1/2"	290-798-140

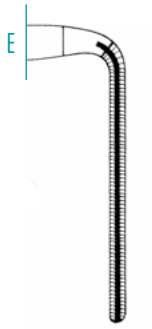






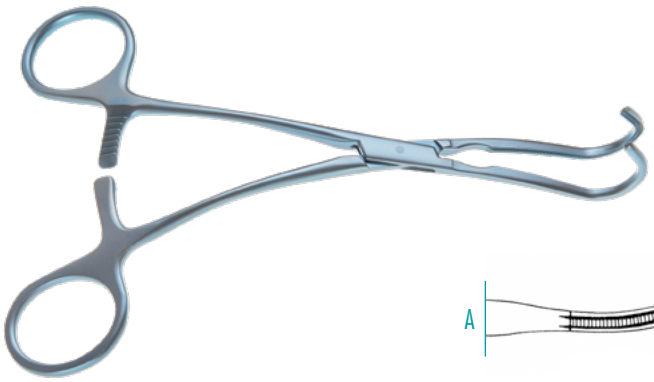


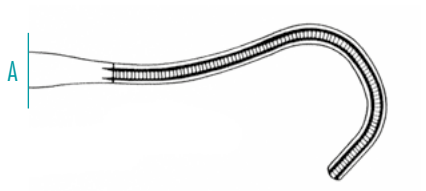


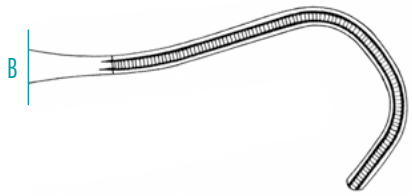


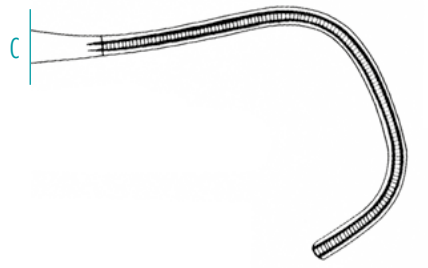
COOLEY
Pediatric Clamp

A 165mm, $6^{1/2}$"	290-760-165
B 170mm, $6^{2/3}$"	290-760-170
C 170mm, $6^{2/3}$"	290-761-170
D 165mm, $6^{1/2}$"	290-761-165
E 150mm, 6"	290-761-150



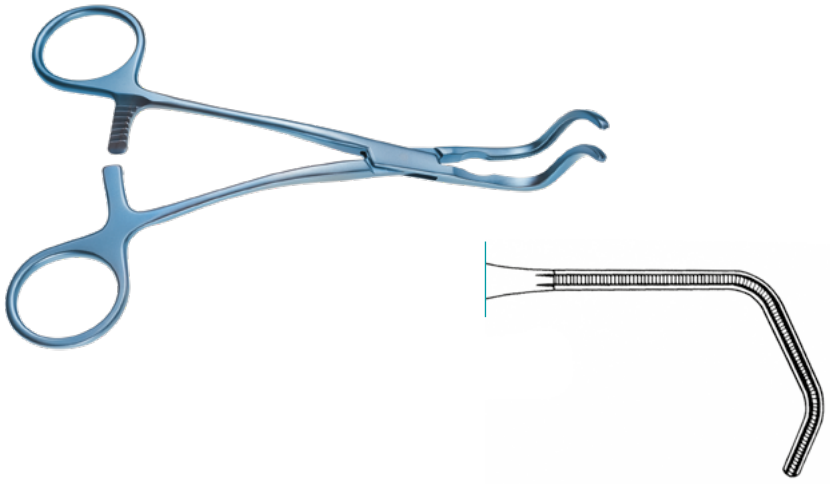






DERRA
Anastomosis Pediatric Clamp

A 165mm, $6^{1/2}$"	290-758-165
B 170mm, $6^{2/3}$"	290-758-170
C 180mm, 7"	290-759-180



SUBRAMANIAN
Aortic Clamp

160mm, 6 1/4"	290-733-160

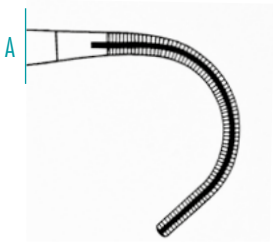


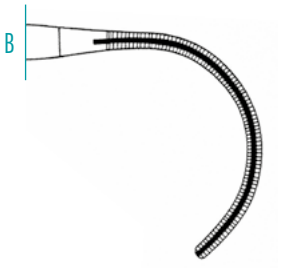
BECK
Pediatric Clamp, 150mm, 6"

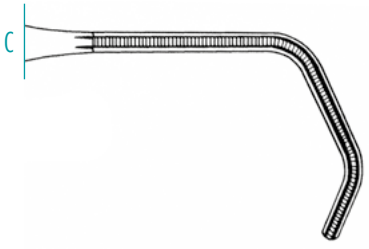
A small jaw	290-734-150
B large jaw	290-735-150

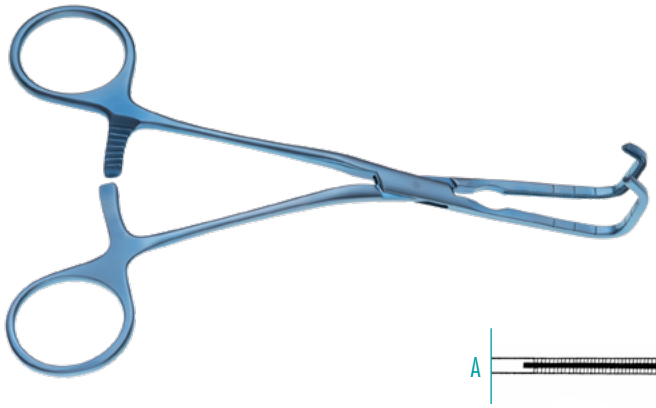
Aortic Pediatric Clamp

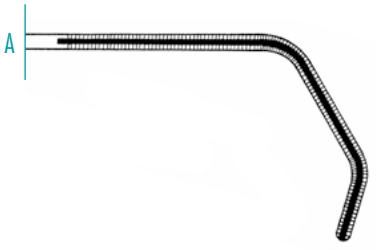
C 165mm, 6 1/2"	290-732-165

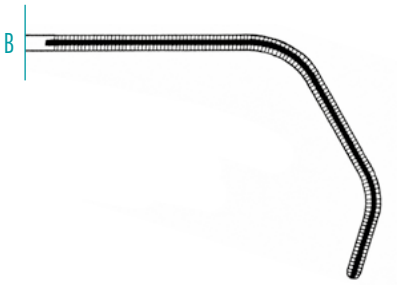


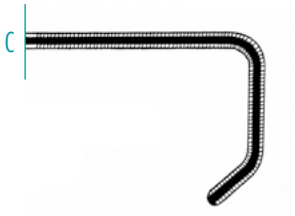


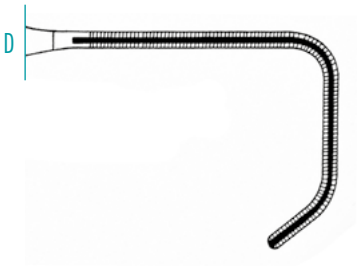






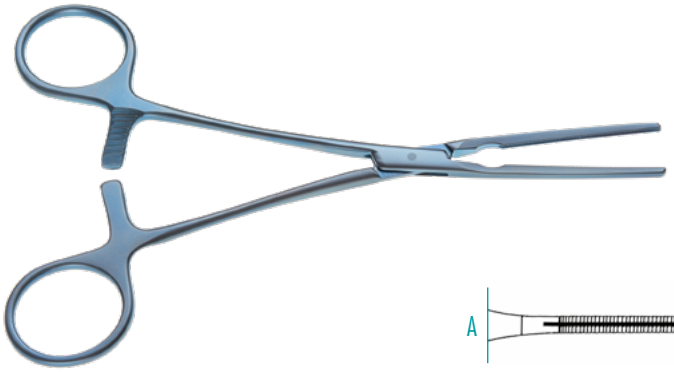






COOLEY
Pediatric Clamp

A 170mm, $6^{2/3}$"	290-762-170
B 180mm, 7"	290-762-180
C 170mm, $6^{2/3}$"	290-763-170
D 175mm, $6^{7/8}$"	290-763-175









COOLEY
Pediatric Clamp, straight shanks

A 160mm, $6^{1/4}$"	290-764-160

angled shanks

A 160mm, $6^{1/4}$"	290-765-160

straight shanks

B 170mm, $6^{2/3}$"	290-764-170

straight shanks

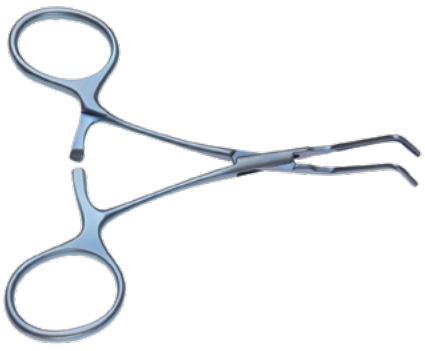
B 170mm, $6^{2/3}$"	290-765-170

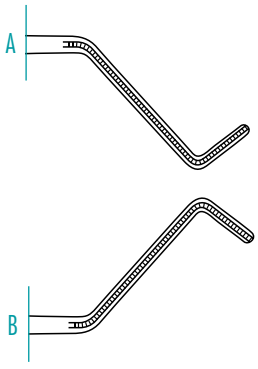
straight shanks, curved jaw

C 170mm, $6^{2/3}$"	290-766-170

straight shanks, spoon-shaped jaw

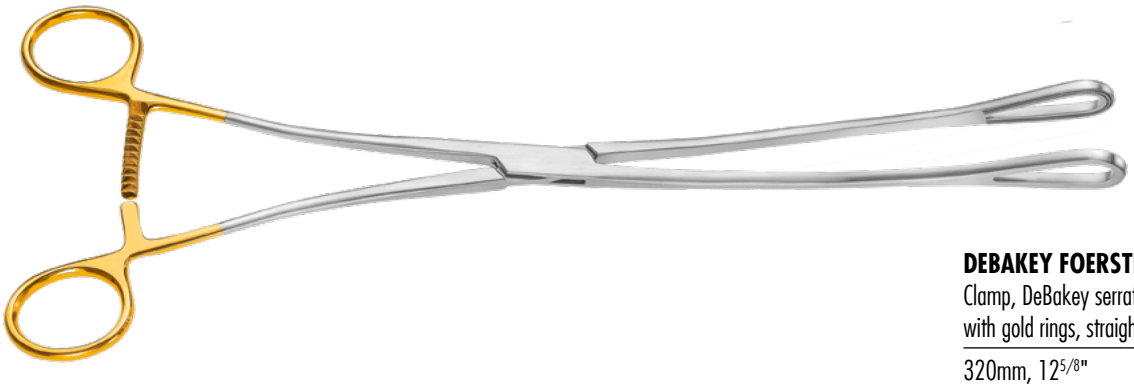
D 170mm, $6^{2/3}$"	290-767-170





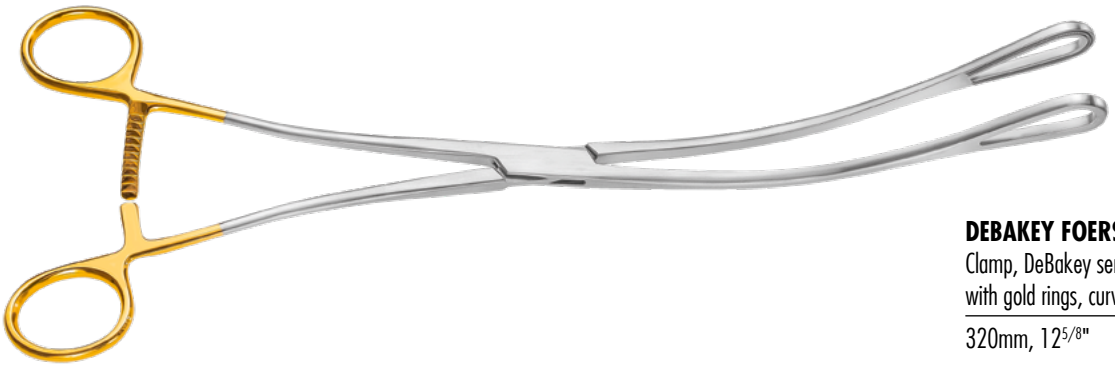
KITZMILLER
Pediatric Clamp, 110mm, $4^{1/3}$"

A left angled	290-723-110
B right angled	290-725-110



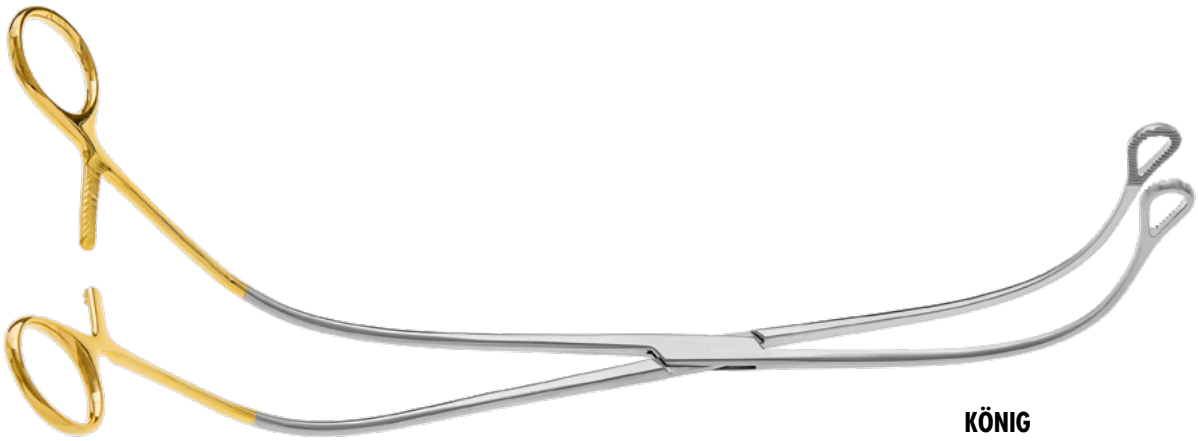
DEBAKEY FOERSTER
Clamp, DeBakey serrations,
with gold rings, straight

320mm, $12^{5/8}$"	290-000-320



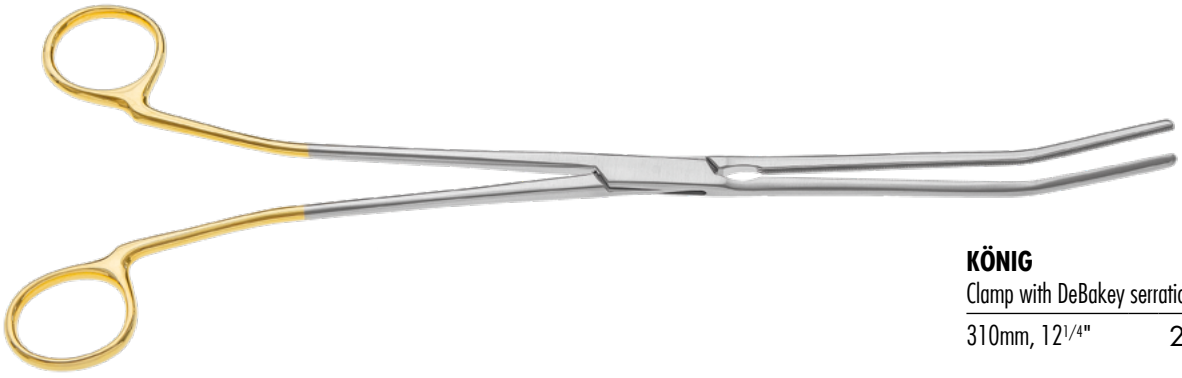
DEBAKEY FOERSTER
Clamp, DeBakey serrations,
with gold rings, curved

320mm, $12^{5/8}$"	290-000-321



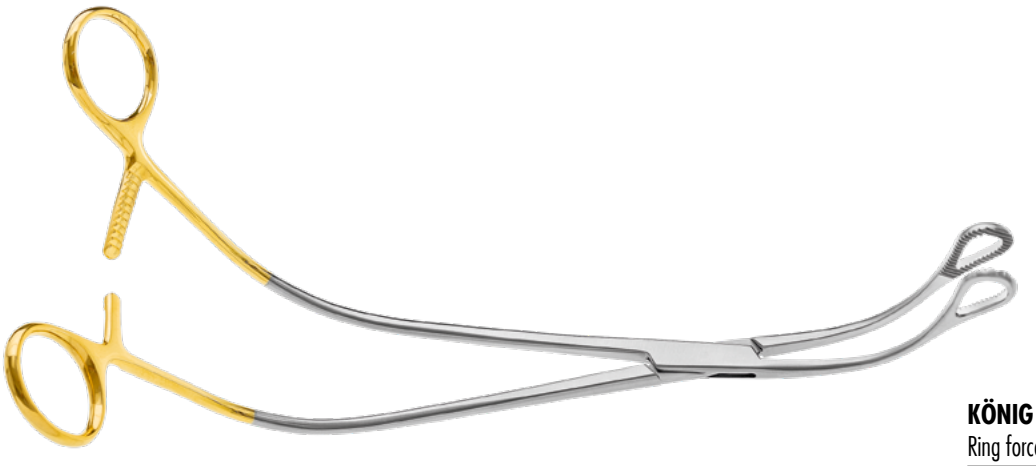
KÖNIG
Ring forceps for thoracic surgery

310mm, 12 1/4"	290-000-315



KÖNIG
Clamp with DeBakey serration

310mm, 12 1/4"	290-000-310



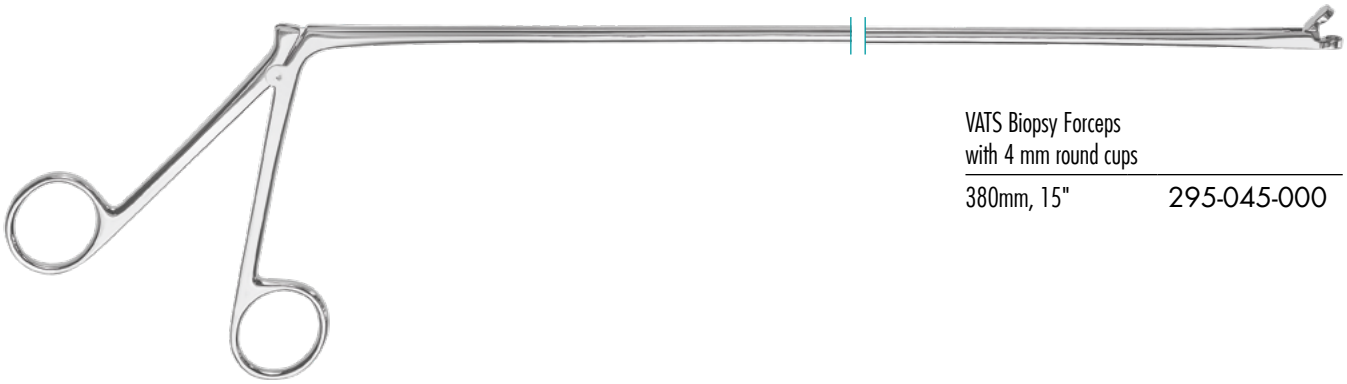
KÖNIG
Ring forceps for thoracic surgery

255mm, 10"	290-000-255



KÖNIG
T-Clamp with DeBakey serration

305mm, 12"	290-000-305



VATS Biopsy Forceps
with 4 mm round cups

380mm, 15"	295-045-000



Chest Tube Passer, ∅ 10mm shaft,
160mm working length, without ratchet

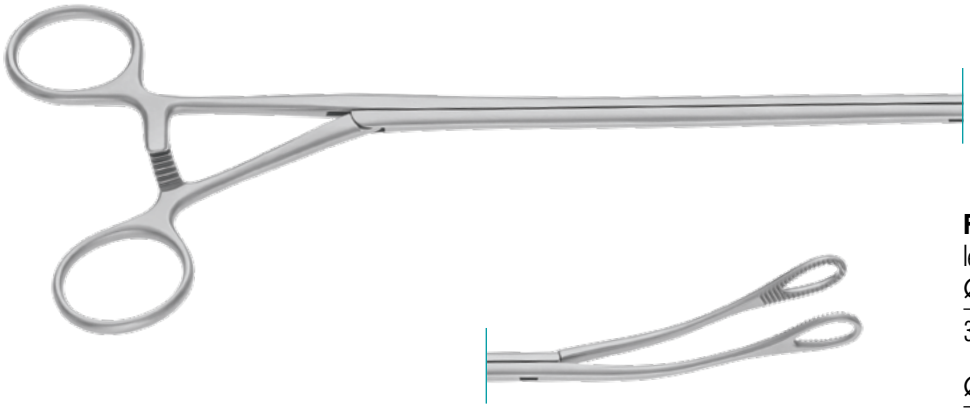
250mm, 9 7/8"	295-080-150
280mm, 11"	295-080-280

155mm working length, with ratchet

240mm, 9 1/2"	295-080-170

280mm working length, with ratchet

355mm, 14"	295-080-281



FOERSTER
left curved, oval shape,
∅ 7mm shaft, 230mm working length

335mm, 13 1/4"	295-150-012

∅ 10mm shaft, 240mm working length

340mm, 13 1/3"	295-150-020



DUVAL
left curved, triangular shape, 10mm jaw width
∅ 10mm shaft, 230mm working length

330mm, 13"	295-310-001

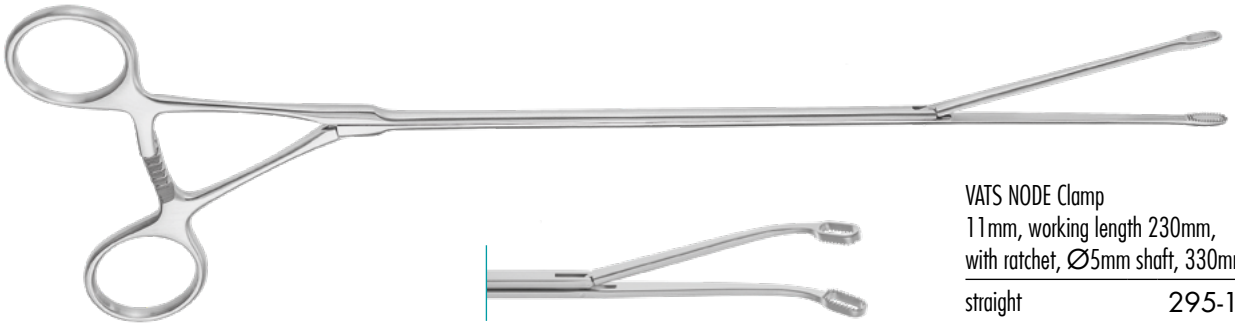
25mm jaw width
235mm working length

330mm, 13"	295-310-002



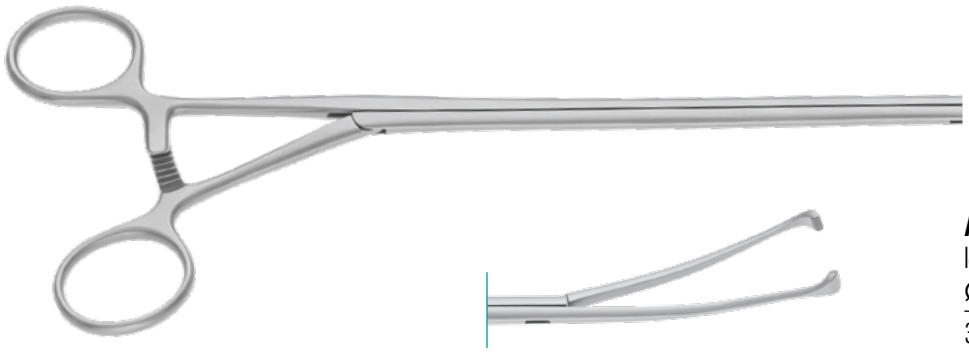
Dissecting Forceps, left curved,
∅ 7mm shaft, 230mm working length

340mm, 13 1/3"	295-100-230



VATS NODE Clamp
11mm, working length 230mm,
with ratchet, ∅5mm shaft, 330mm, 13"

straight	295-150-222
left curved	295-150-223



ALLIS
left curved, 6mm jaw width
∅ 7mm shaft, 240mm working length

330mm, 13"	295-310-100

DEBAKEY
1x2 teeth, ∅ 10mm shaft,
65mm jaw length, 230mm working length

330mm, 13"	295-290-065

75mm jaw length, 250mm working length

340mm, 13 1/3"	295-290-075

100mm jaw length, 255mm working length

360mm, 14 1/4"	295-290-100

2x3 teeth,
100mm jaw length, 250mm working length

350mm, 14"	295-290-101





COOLEY
1x2 teeth, ∅ 10mm shaft,
240mm working length, 345mm, 13 1/2"

with ratchet	295-290-300
without ratchet	295-290-301

Fig.1



HARKEN
1x2 teeth, ∅ 10mm shaft, without ratchet,
250mm working length, Fig. 1

355mm, 14"	295-290-001

270mm working length, without ratchet, Fig. 2

370mm, 14 1/2"	295-290-002

Fig.2



1x2 teeth, ∅ 10mm shaft, with ratchet
250mm working length, Fig. 1

355mm, 14"	295-290-010

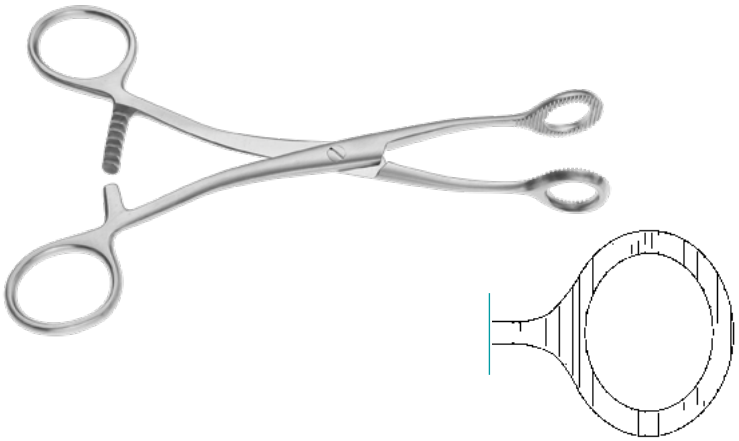
270mm working length, with ratchet, Fig. 2

370mm, 14 1/2"	295-290-012



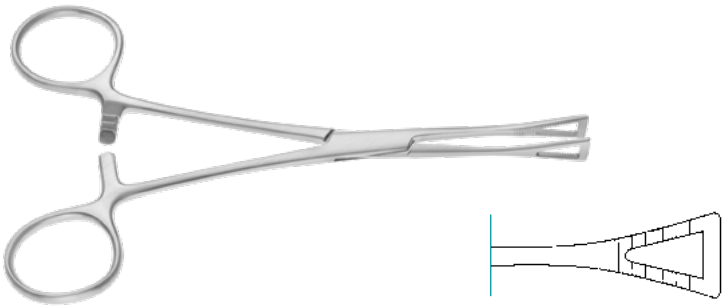
D'AMICO
∅ 10mm shaft, 110mm jaw length
270mm working length, 370mm, 14 1/2"

straight	295-290-200
curved	295-290-201



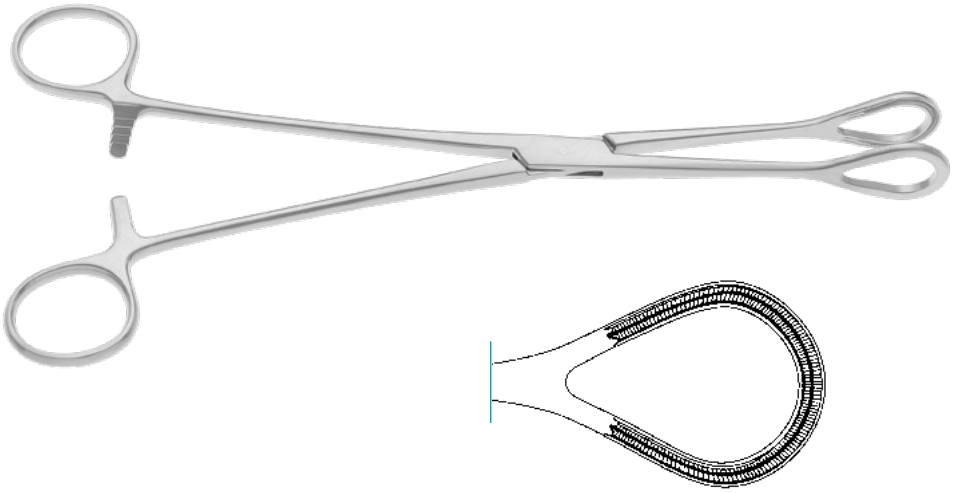
COLLIN
Hemostatic Forceps

160mm, 6 1/4"	140-236-160



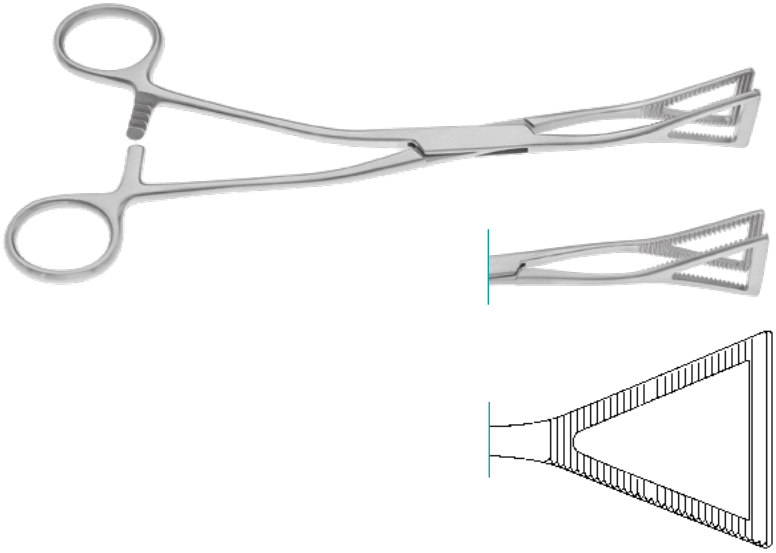
PENNINGTON
Tissue Holding Forceps

155mm, 6 1/8"	140-240-155



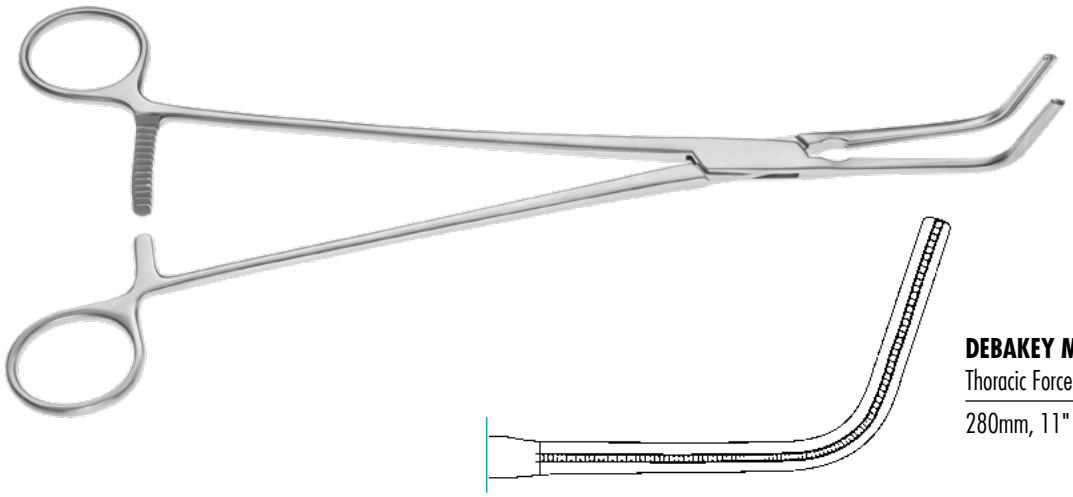
DEBAKEY
Intestinal and Organ Grasping Forceps, atraumatic serrations, small ring

260mm, 10 1/4"	140-220-260



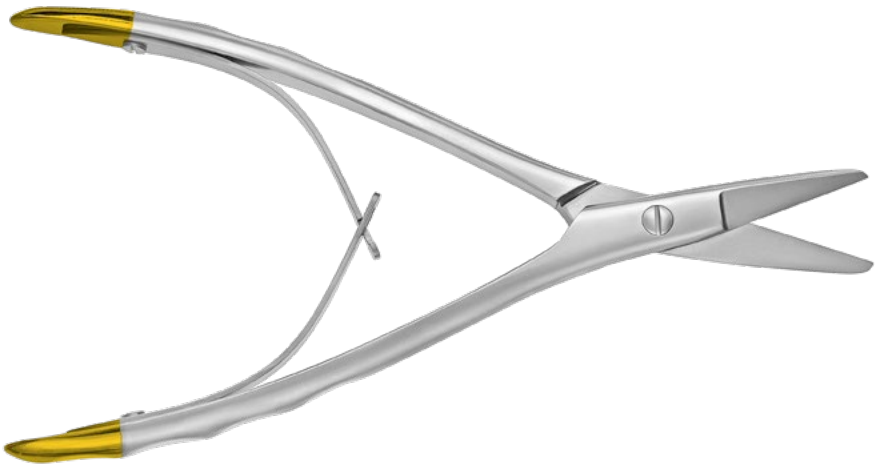
LOVELACE
Lung Grasping Forceps, 200mm, 8"

straight	290-286-200
curved	290-287-200



DEBAKEY MIXTER
Thoracic Forceps, strong serration

280mm, 11"	290-600-230



Rib Shears

230mm, 9" 290-100-230



Rib Shears

220mm, 8 2/3" 290-101-220



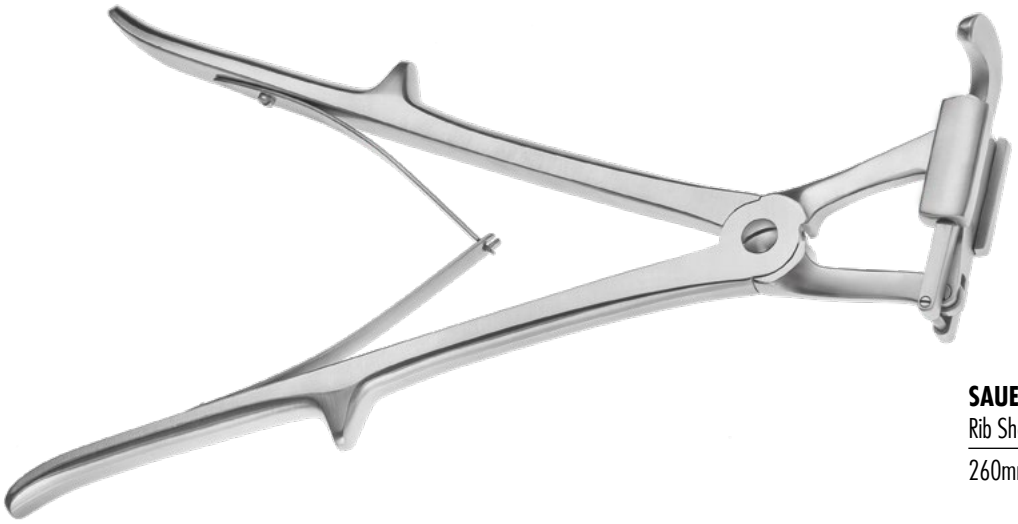
GLUCK

Bone / Rib Shears

220mm, 8 2/3" 290-107-220



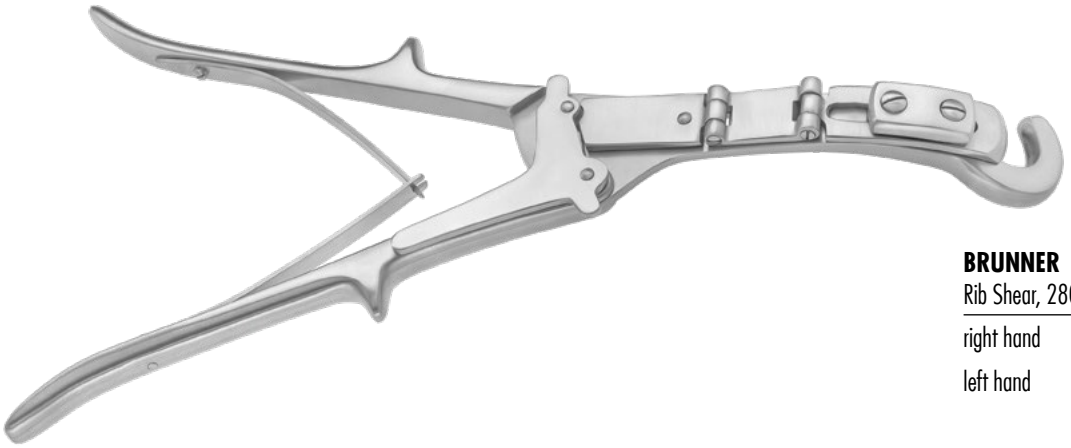
BETHUNE
Rib Shears
345mm, $13^{5/8}$" 290-126-340



SAUERBRUCH
Rib Shears
260mm, $10^{1/4}$" 290-131-260



GIERTZ STILLE
Rib Shears, double action
250mm, $9^{7/8}$" 290-137-270



BRUNNER
Rib Shear, 280mm, 11"

right hand	290-147-280
left hand	290-149-280



VEHMEHREN (TUDOR EDWARDS)
Costotome

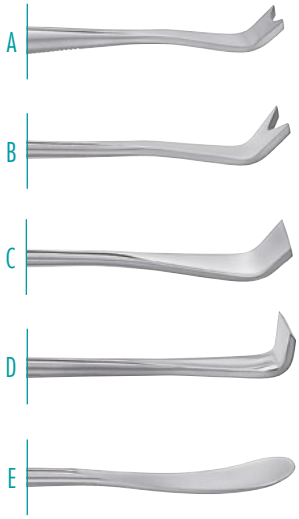
240mm, 9 1/2"	290-110-240



SWEET
Sternum Punch

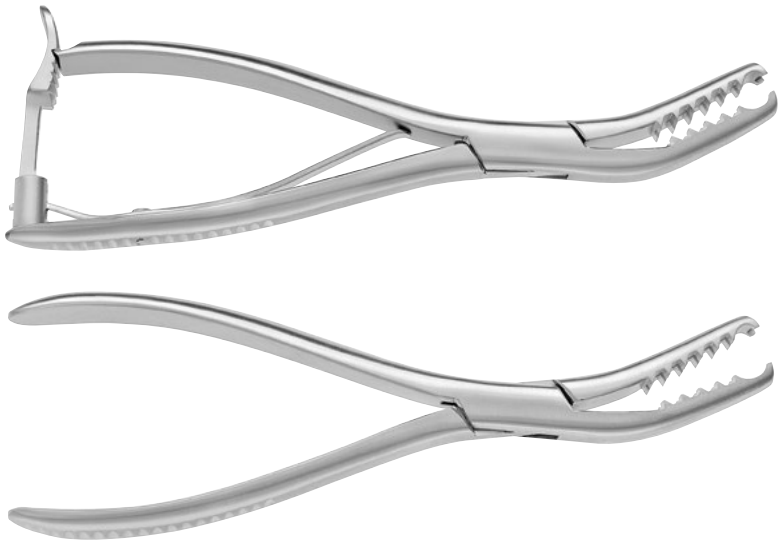
230mm, 9"	290-158-245





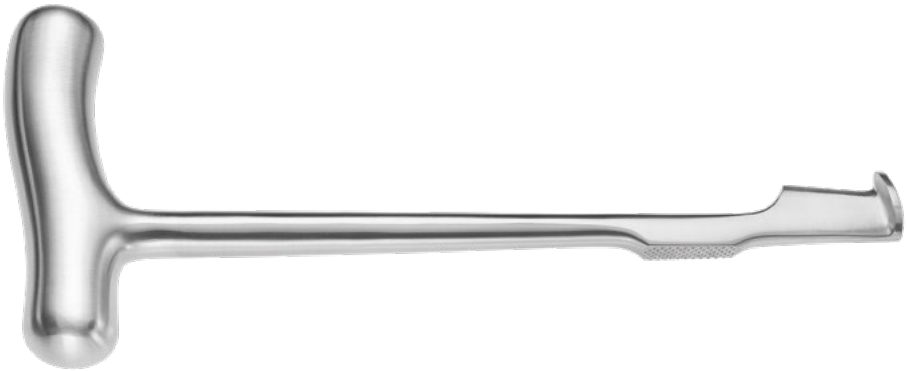
SEMB
Raspatory, hollow handle, 190mm, 7 1/2"

A 12mm	210-450-001
230mm, 9"	
B 12mm	210-450-002
C 13mm	210-450-003
D 13mm	210-450-004
E 15mm	210-450-005



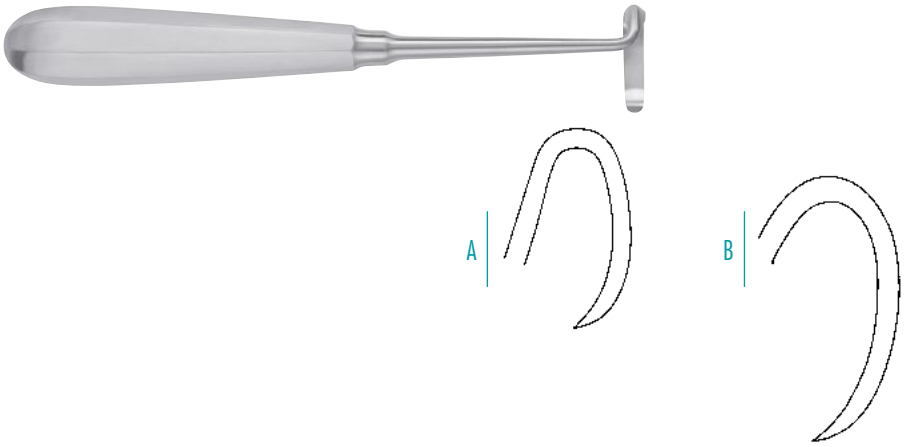
SEMB
Bone Holding Forceps, laterally curved with ratchet

190mm, 7 1/2"	210-624-190
without ratchet	
190mm, 7 1/2"	210-623-190



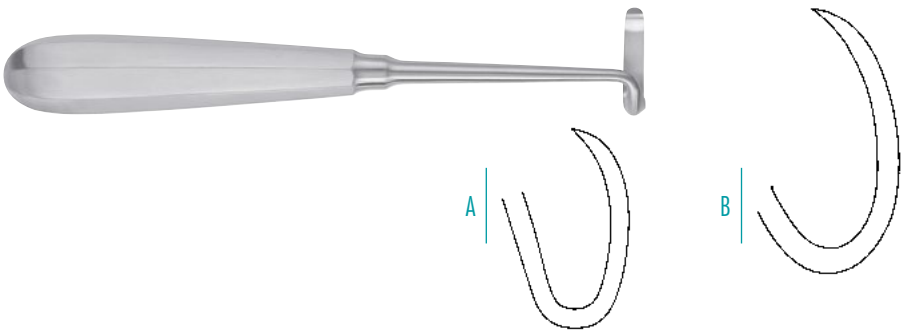
LEBSCHE
Sternum Chisel

245mm, $9^{2/3}$"	290-151-240



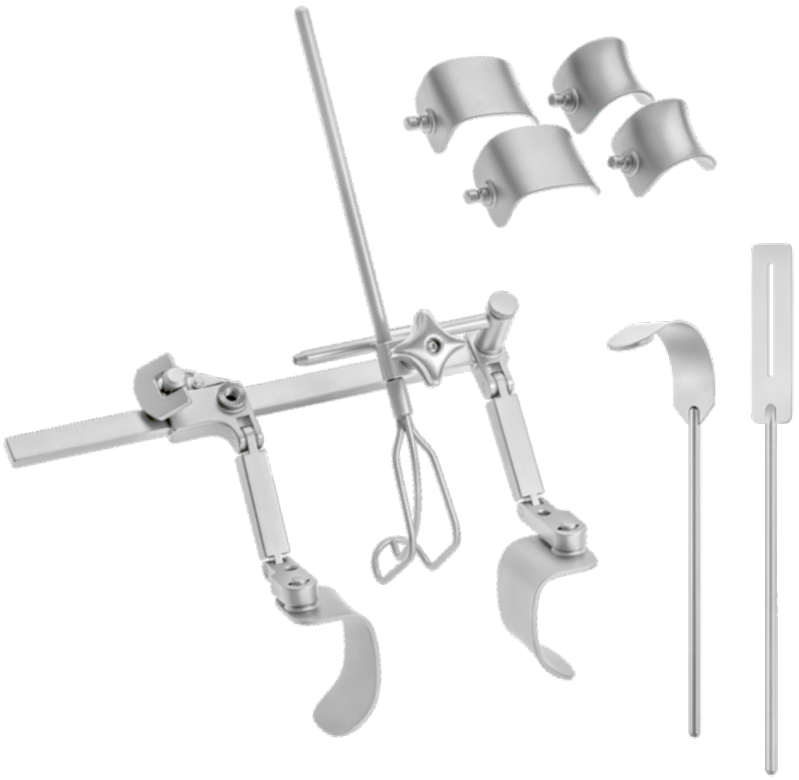
DOYEN
Rib Raspatory, 175mm, $6^{7/8}$"

A right, adults	210-331-170
B left, adults	210-333-170



DOYEN
Rib Raspatory, 175mm, $6^{7/8}$"

A right, children	210-335-170
B left, children	210-337-170



Mini Thoracotomy Retractor,
double hinge, set with 2 blades pairs
36 x 55 / 36 x 40mm, detachable crossbar

290-156-000

Blade Pair

40 x 70mm	290-156-001

Blades, 280mm length

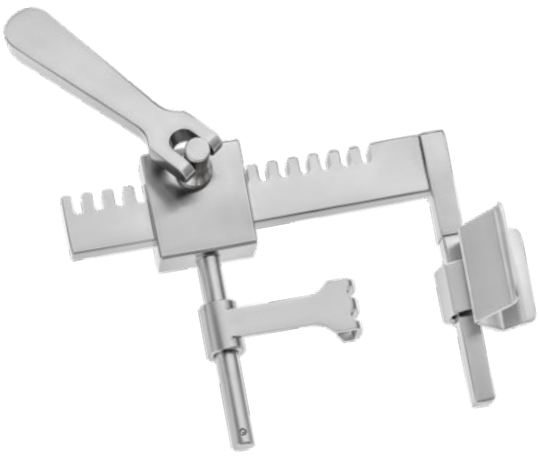
95 x 18mm	290-156-004
95 x 22mm	290-156-005





Mini Thoracotomy Retractor

36 x 45mm blades	290-155-045
36 x 60mm blades	290-155-060
36 x 80mm blades	290-155-080



IMA Mini-Sternotomy Retractor,
complete with U-Blade 38mm, 2x french hooks

120mm, $4^{3/4}$"	290-184-030



FINOCHIETTO
Micro Neonatal Rib Spreader
27 x 12 x 10mm (length/width/depth)

35mm spread	290-177-035



FINOCHIETTO BABY
Rib Spreader, straight arms
51 x 15 x 13mm (length/width/depth)

55mm spread	290-177-055

51 x 15 x 13mm (length/width/depth)

75mm spread	290-177-070

60 x 21 x 18mm (length/width/depth)

80mm spread	290-177-075



FINOCHIETTO BABY
Rib Spreader, curved arms
60 x 21 x 18mm (length/width/depth)

80mm spread	290-179-075



FINOCHIETTO BABY
Rib Spreader, with contractor
68 x 21 x 19mm (length/width/depth)

80mm spread	290-178-075



HAIGHT FINOCHIETTO BABY
Rib Spreader, Aluminium
76 x 31 x 31mm (length/width/depth)

98mm spread	290-161-002



HAIGHT
Rib Spreader, small
64 x 31 x 32mm (length/width/depth)

126mm spread	290-168-060

large
90 x 31 x 32mm (length/width/depth)

126mm spread	290-168-090



BAILEY FINOCHIETTO
Rib Spreader, Aluminium
58 x 14 x 12mm (length/width/depth)

74mm spread	290-179-000



Ti

Mini Thorax Spreader, Titanium,
40mm length

39mm spread	290-187-000

Spare Valves, paired
20 x 15mm (width/depth)

290-187-001

Spare Valves, paired
10 x 15mm (width/depth)

290-187-002



MORSE
Rib Spreader, small, black coated,
movable valves
56 x 40 x 12mm (length/width/depth)

65mm spread	290-300-255



CASTANEDA
Rib Spreader, Aluminium
60 x 34 x 11mm (length/width/depth)

74mm spread	290-166-001

80 x 45 x 13mm (length/width/depth)

80mm spread	290-166-002

126 x 60 x 17.5mm (length/width/depth)

110mm spread	290-166-003



COOLEY CLARKE
Rib Spreader, Infants
70 x 15 x 10mm (length/width/depth)

65mm spread	290-160-010



HAIGHT BABY
Rib Spreader
73 x 35 x 31.5mm (length/width/depth)

90mm spread	290-168-050



COOLEY
Rib Spreader, Aluminium, Children, with points
77 x 20.5 x 17mm (length/width/depth)

97mm spread	290-160-000



COOLEY
Rib Spreader, Aluminium, Children
58 x 17 x 11mm (length/width/depth)

74mm spread	290-160-001

80 x 30 x 17mm (length/width/depth)

101mm spread	290-160-002



ANKENEY
Rib Spreader, Aluminium, 4 fixed swivel valves
114 x 19 x 23mm (length/width/depth)

139mm spread	290-177-000



RIENHOFF
Rib Spreader
116 x 33 x 30mm (length/width/depth)

140mm spread	290-169-000

146 x 45 x 47mm (length/width/depth)

140mm spread	290-169-010



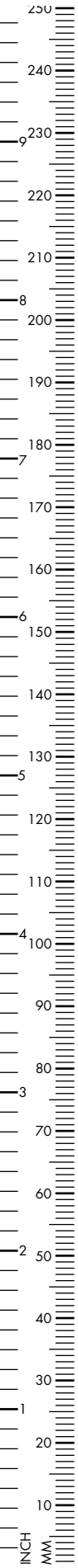
BADGLEY
Rib Spreader, 4 prongs
108 x 45 x 50mm (length/width/depth)

165mm spread	170-905-000



FINOCHIETTO
Rib Spreader, curved arms, circular fenestration
111 x 32 x 28mm (length/width/depth)

150mm spread	290-181-180







MORSE

Rib Spreader, Children, movable valves
125 x 22 x 15mm (length/width/depth)

154mm spread	290-300-300

148 x 29 x 23mm (length/width/depth)

212mm spread	290-300-400

DEBAKEY

Rib Spreader, Children, incl. 3 paired valves
144mm length

152mm spread	290-180-001

Spare Valves
30 x 30mm (width/depth)

290-180-030

40 x 40mm (width/depth)

290-180-040

50 x 50mm (width/depth)

290-180-050



TUFFIER
Rib Spreader, toothed valves
180 x 45 x 48mm (length/width/depth)

178mm spread	290-174-000

serrated valves
180 x 45 x 48mm (length/width/depth)

178mm spread	290-174-010



COOLEY
Rib Spreader,
112 x 46 x 25mm (length/width/depth)

137mm spread	290-160-003

140 x 52 x 34mm (length/width/depth)

170mm spread	290-160-004

158 x 102 x 29mm (length/width/depth)

194mm spread	290-160-005



BURFORD
Rib Spreader, Children, incl. 4 paired valves
108mm length

157mm spread	290-181-020

Spare Valves
44 x 47mm (width/depth) 290-181-021

45 x 31mm (width/depth) 290-181-022

33 x 30mm (width/depth) 290-181-023

23 x 22mm (width/depth) 290-181-024



BURFORD-FINOCHIETTO
Rib Spreader, Aluminium, incl. 2 paired valves
113mm length

135mm spread	290-164-000

Spare Valves, paired
42 x 34mm (width/depth) 290-165-102

42 x 48mm (width/depth) 290-165-103



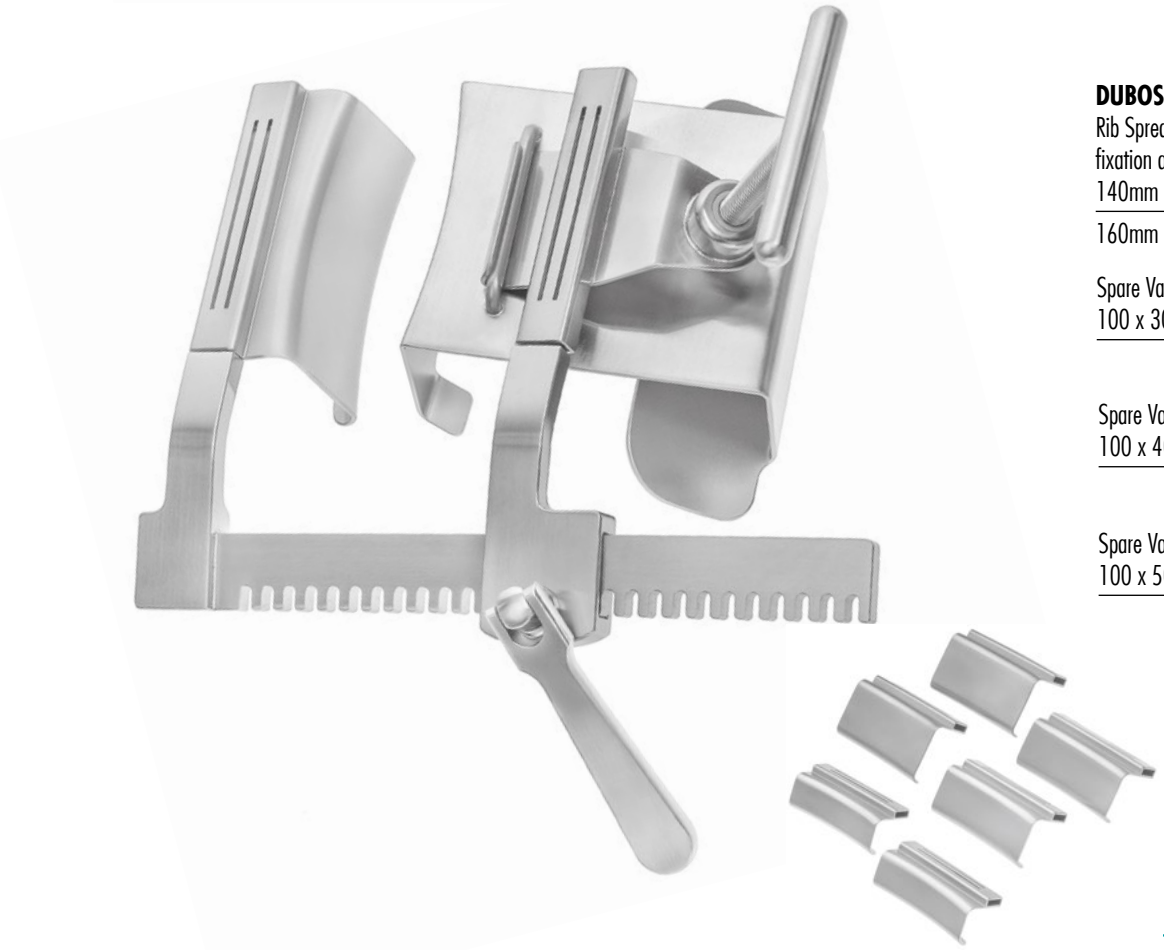
DUBOST
Rib Spreader, incl. 3 paired valves
140mm length

160mm spread	290-186-010

Spare Valves, paired
100 x 30mm (width/depth) 290-186-011

100 x 40mm (width/depth) 290-186-012

100 x 50mm (width/depth) 290-186-013



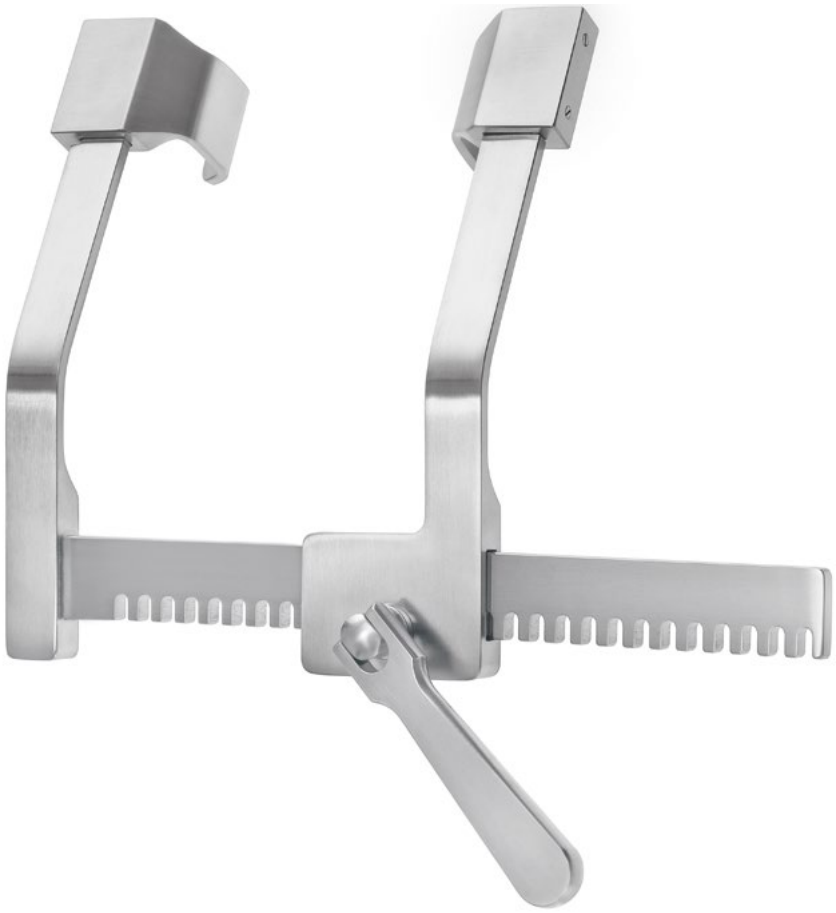
DUBOST
Rib Spreader, incl. 3 pair valves,
fixation and Mammary valve
140mm length

160mm spread	290-186-000

Spare Valves, paired
100 x 30mm (width/depth) 290-186-011

Spare Valves, paired
100 x 40mm (width/depth) 290-186-012

Spare Valves, paired
100 x 50mm (width/depth) 290-186-013



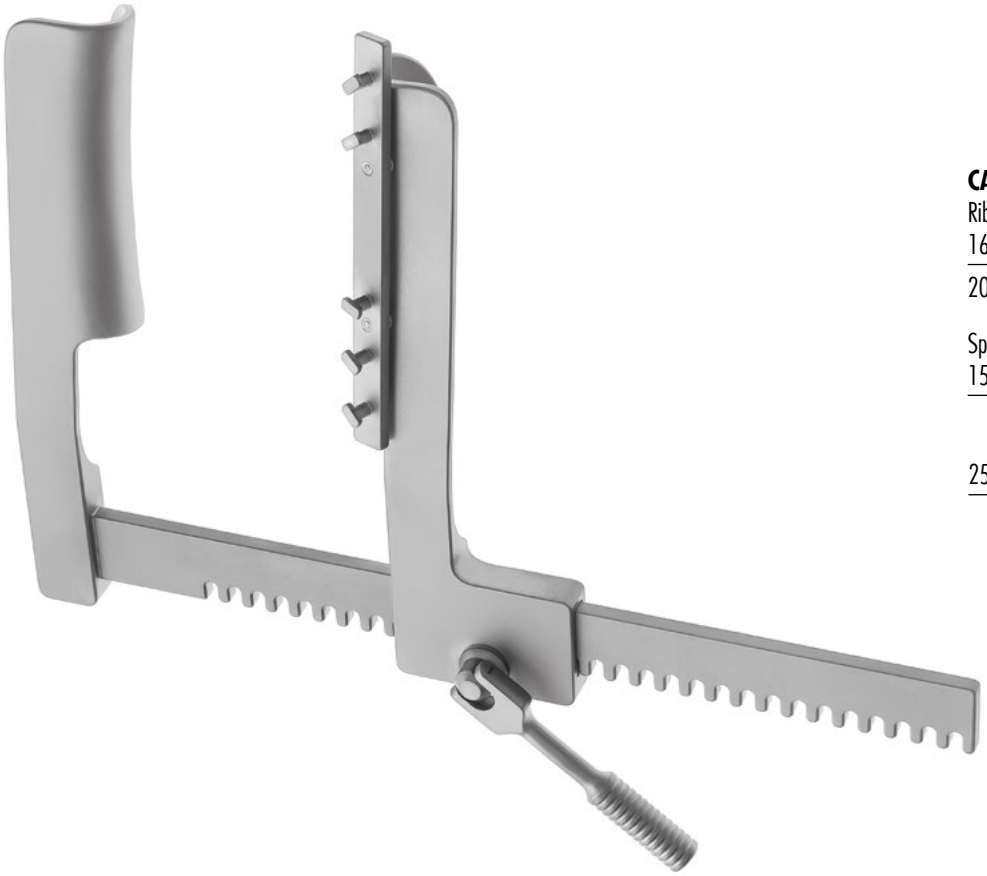
DEBAKEY
Rib Spreader, incl. 3 paired valves
153mm length

192mm spread	290-185-220

Spare Valves, paired
30 x 30mm (width/depth) 290-185-030

40 x 40mm (width/depth) 290-185-040

50 x 50mm (width/depth) 290-185-050



CARPENTIER
Rib Spreader, incl. 2 paired sternal valves
165 x 100 x 36mm (length/width/depth)

200mm spread	290-188-000

Spare Valves, paired
15 x 25mm (width/depth) 290-188-001

25 x 25mm (width/depth) 290-188-002



FINOCHIETTO
Rib Spreader, curved arms
130 x 45 x 40mm (length/width/depth)

148mm spread	290-178-165

180 x 65 x 50mm (length/width/depth)

200mm spread	290-178-200

180 x 65 x 70mm (length/width/depth)

250mm spread	290-178-250

180 x 65 x 50mm (length/width/depth)

265mm spread	290-179-255

180 x 65 x 50mm (length/width/depth)

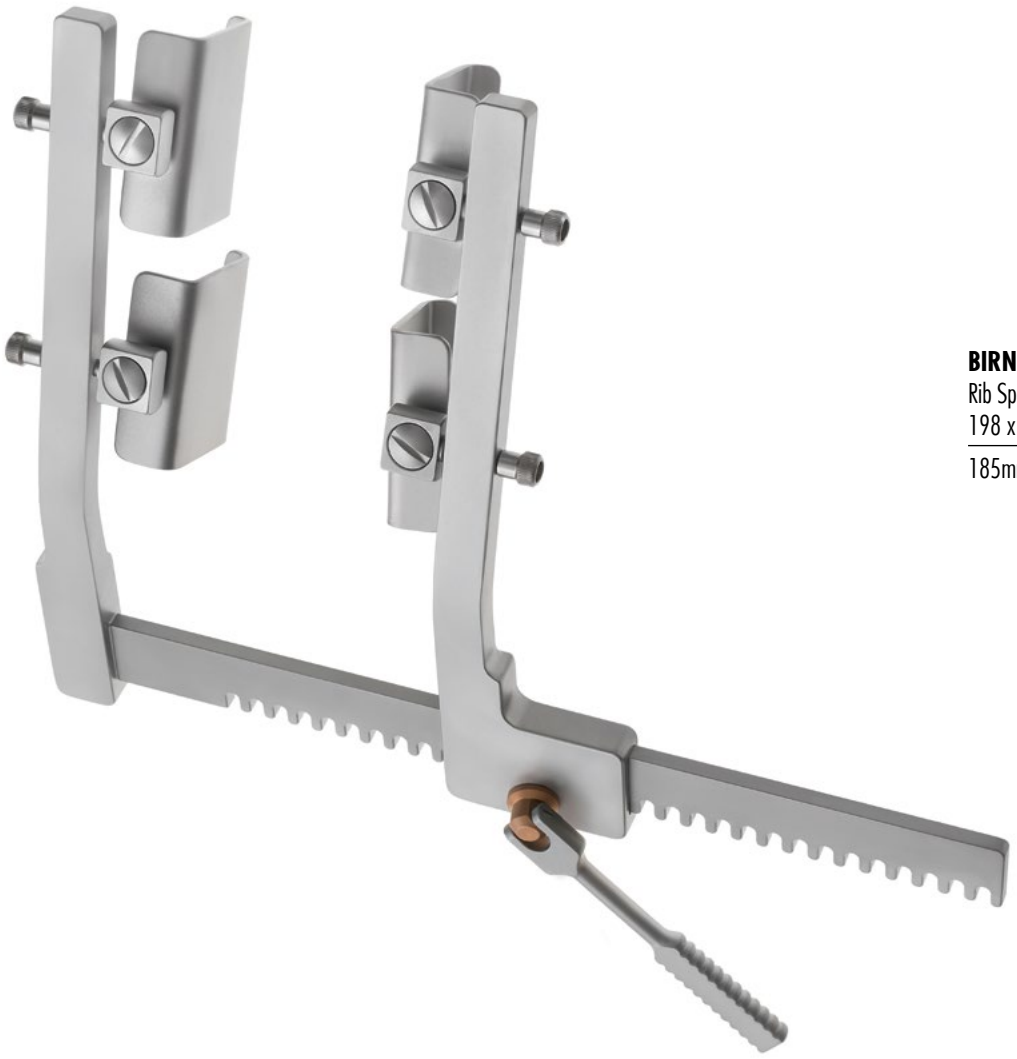
310mm spread	290-179-310



straight arms

FINOCHIETTO
Rib Spreader, straight arms
186 x 66 x 51mm (length/width/depth)

200mm spread	290-177-200
265mm spread	290-177-255
310mm spread	290-177-310



BIRNBAUM
Rib Spreader, movable blades
198 x 60 x 40mm (length/width/depth)

185mm spread	290-189-000



IMA FRENCH
Rib Spreader, incl. 3 paired valves
150mm length

290-184-020

Spare Valves, paired
50 x 22mm (width/depth)

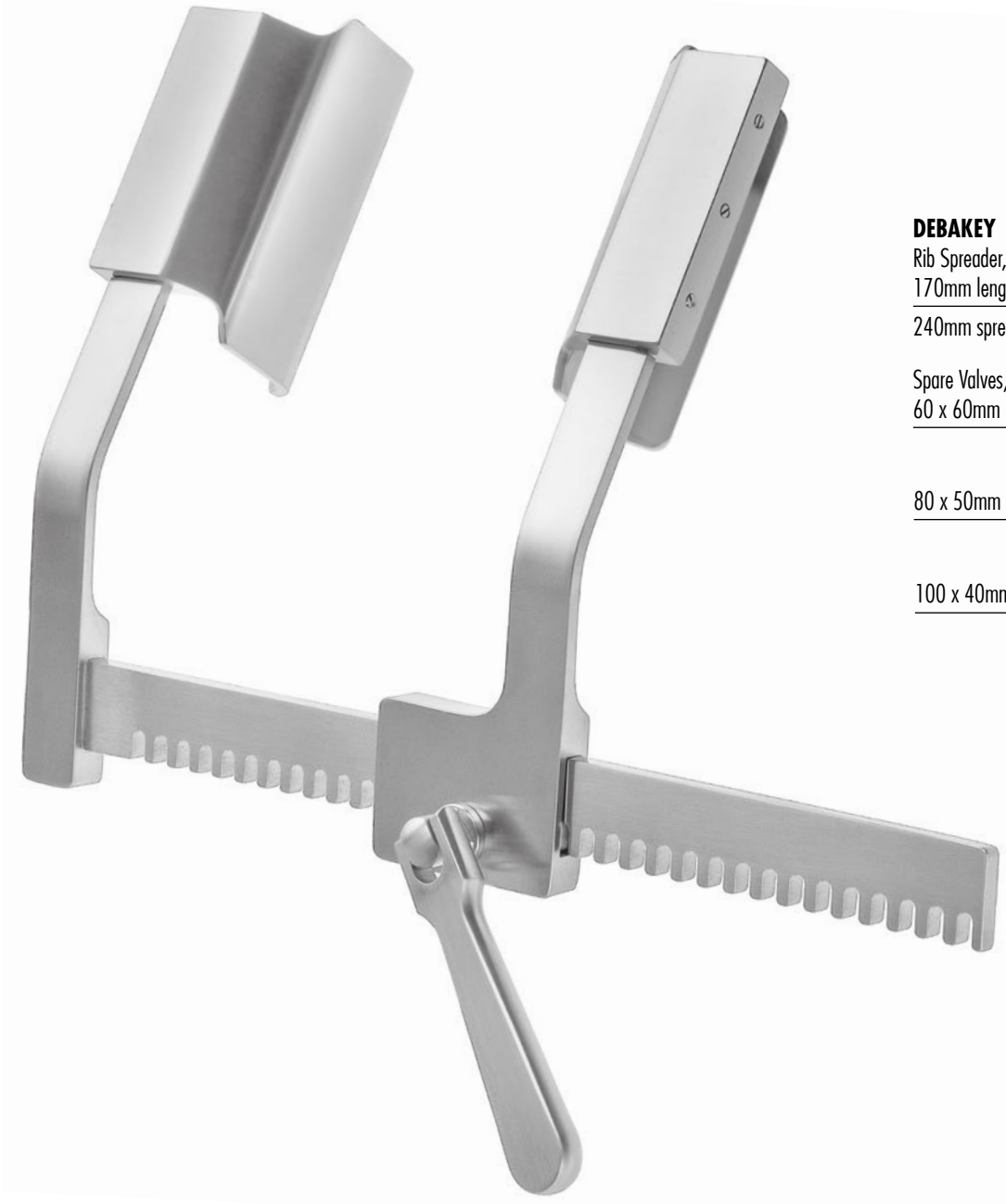
290-184-021

40 x 22mm (width/depth)

290-184-022

100mm width

290-184-023



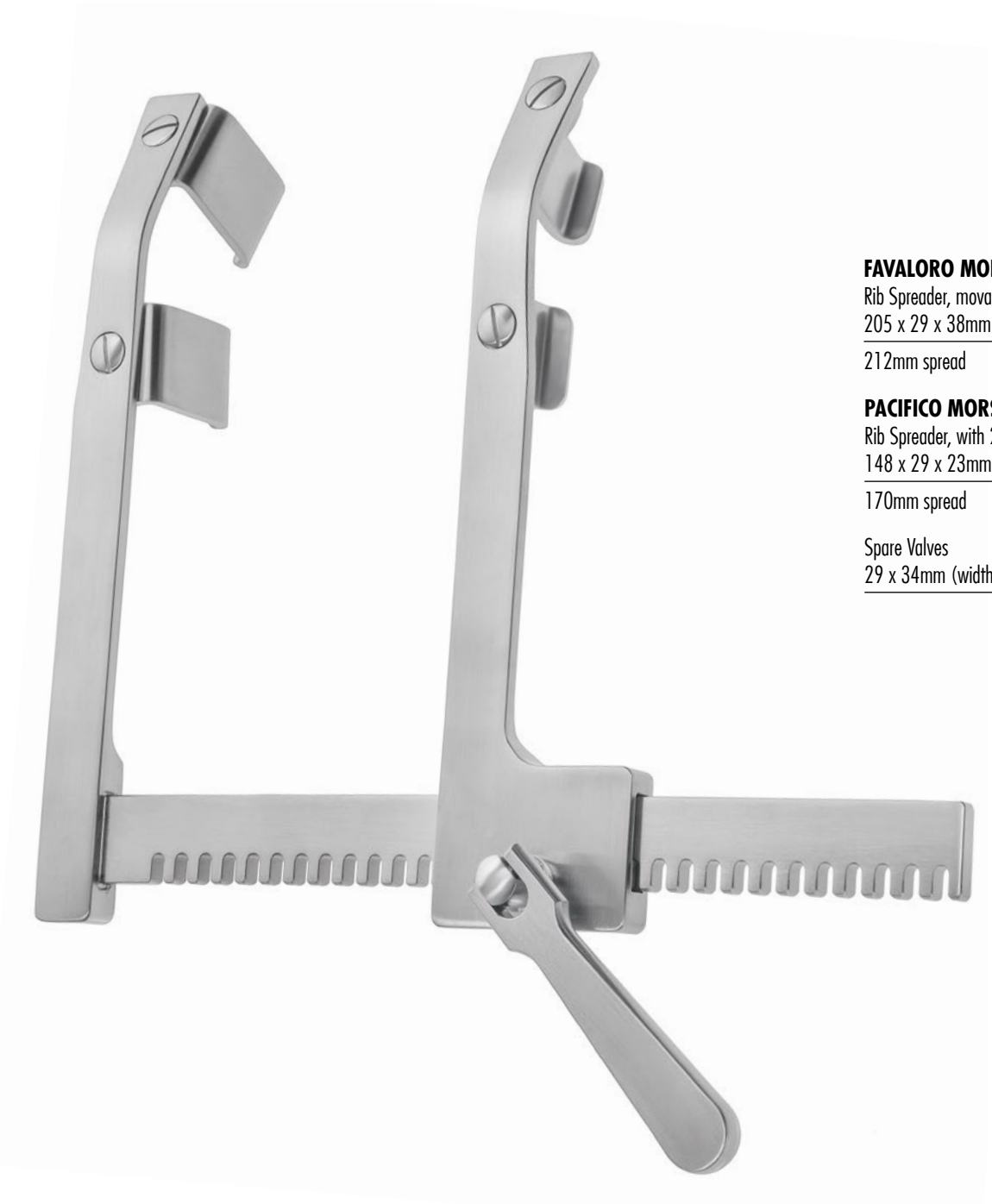
DEBAKEY
Rib Spreader, incl. 3 paired valves
170mm length

240mm spread	290-185-285

Spare Valves, paired
60 x 60mm (width/depth)
290-181-060

80 x 50mm (width/depth)
290-181-050

100 x 40mm (width/depth)
290-181-040



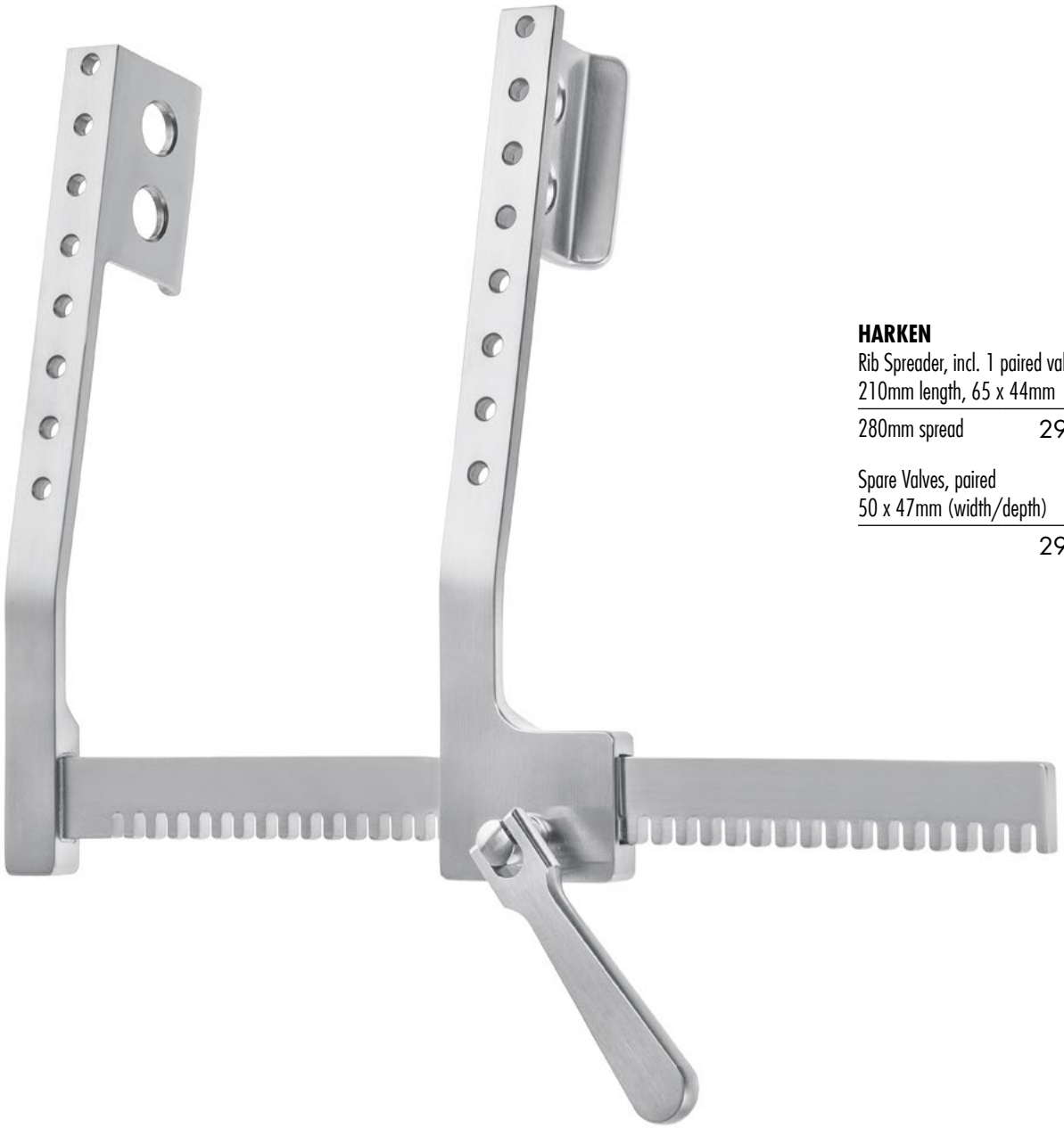
FAVALORO MORSE
Rib Spreader, movable valves
205 x 29 x 38mm (length/width/depth)

212mm spread	290-310-000

PACIFICO MORSE
Rib Spreader, with 2 pair valves
148 x 29 x 23mm (length/width/depth)

170mm spread	290-300-150

Spare Valves
29 x 34mm (width/depth)



HARKEN
Rib Spreader, incl. 1 paired valves
210mm length, 65 x 44mm

280mm spread	290-183-000

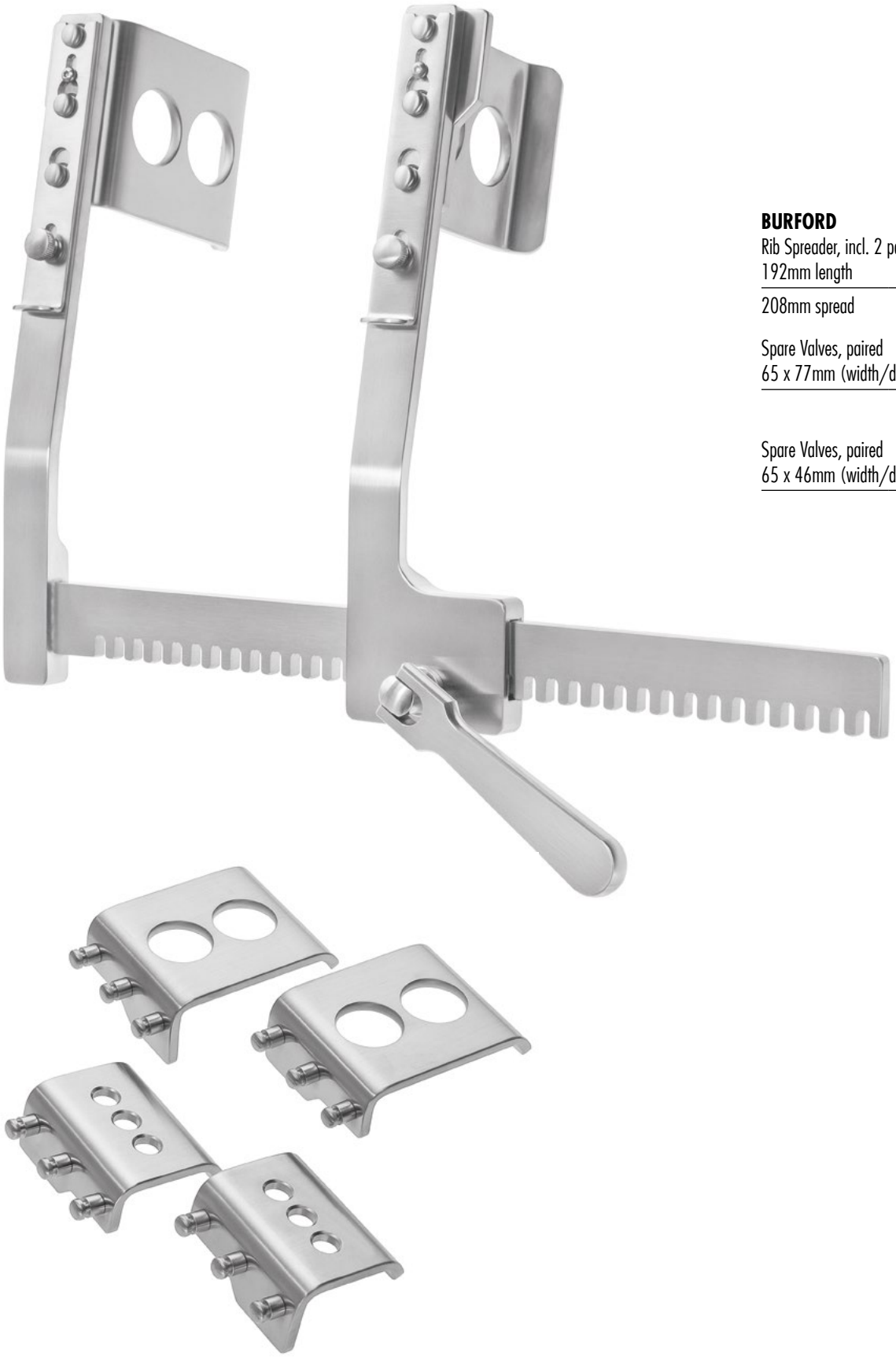
Spare Valves, paired
50 x 47mm (width/depth)

290-183-001



ANKENEY
Rib Spreader, Adult, 6 fixed swivel valves
289 x 35 x 35mm (length/width/depth)

195mm spread	290-178-000



BURFORD
Rib Spreader, incl. 2 pair valves
192mm length

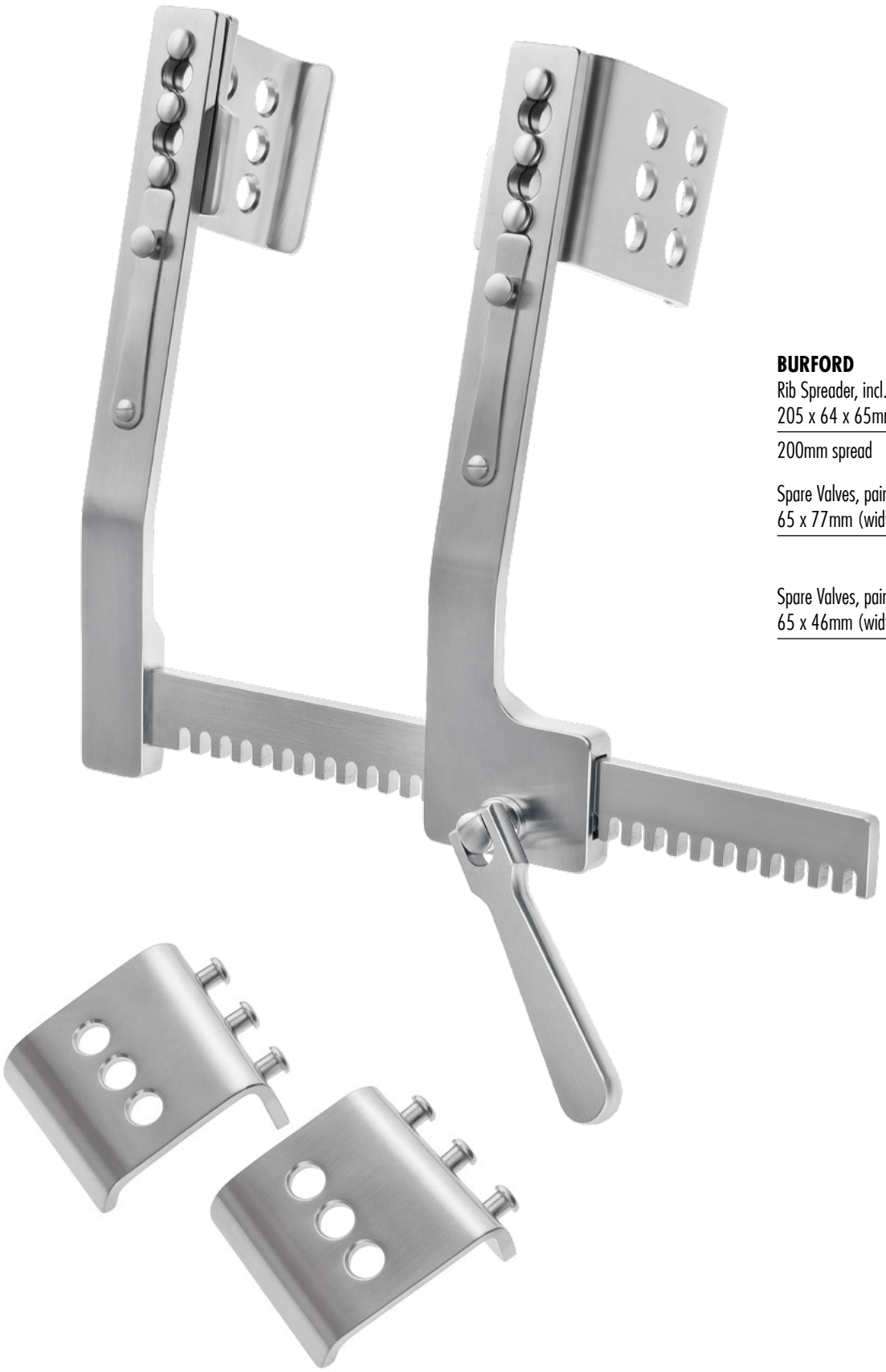
208mm spread	290-181-000

Spare Valves, paired
65 x 77mm (width/depth)

290-181-001

Spare Valves, paired
65 x 46mm (width/depth)

290-181-002



BURFORD
Rib Spreader, incl. 2 pair valves
205 x 64 x 65mm (length/width/depth)

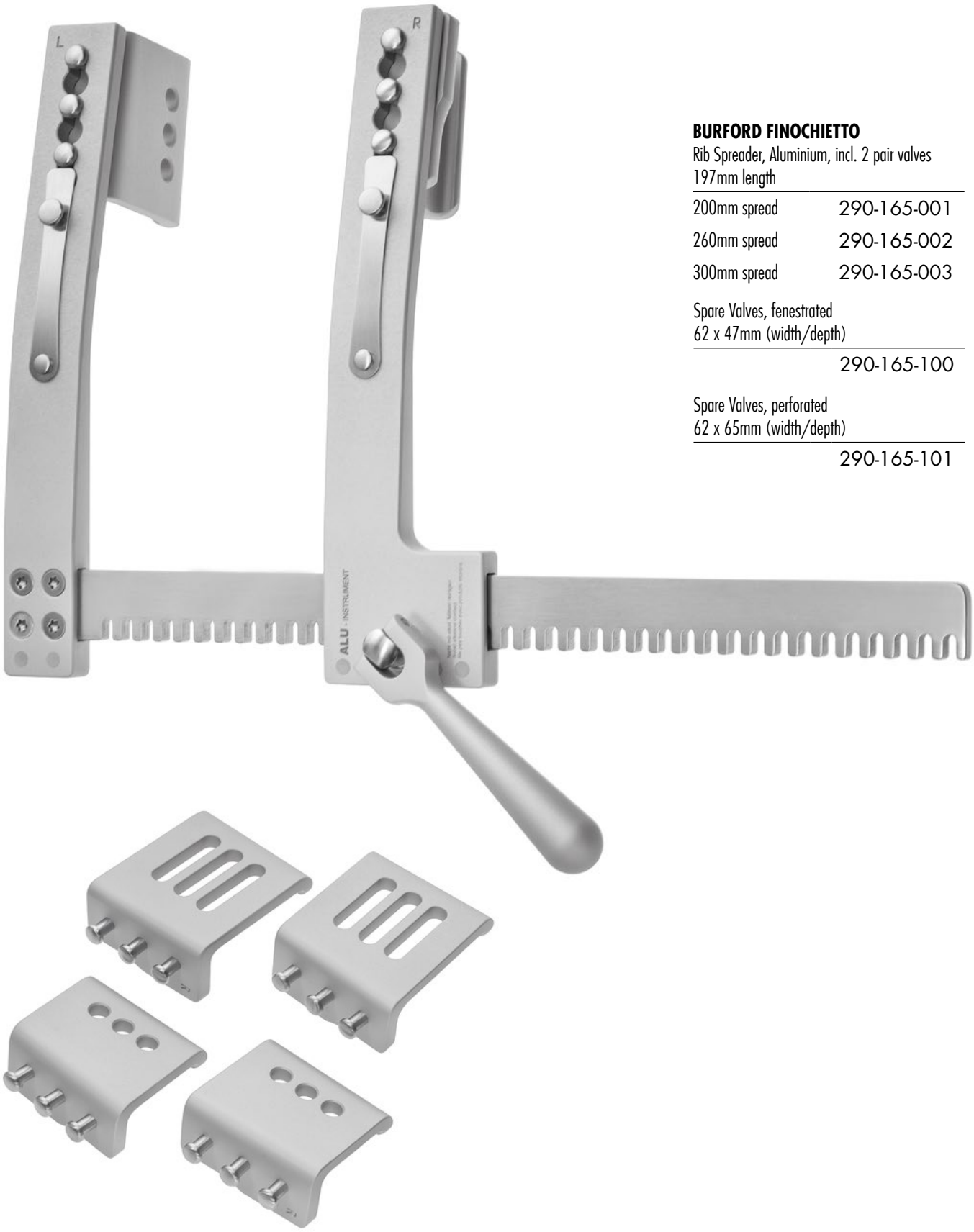
200mm spread	290-181-010

Spare Valves, paired
65 x 77mm (width/depth)

290-181-011

Spare Valves, paired
65 x 46mm (width/depth)

290-181-012



BURFORD FINOCHIETTO
Rib Spreader, Aluminium, incl. 2 pair valves
197mm length

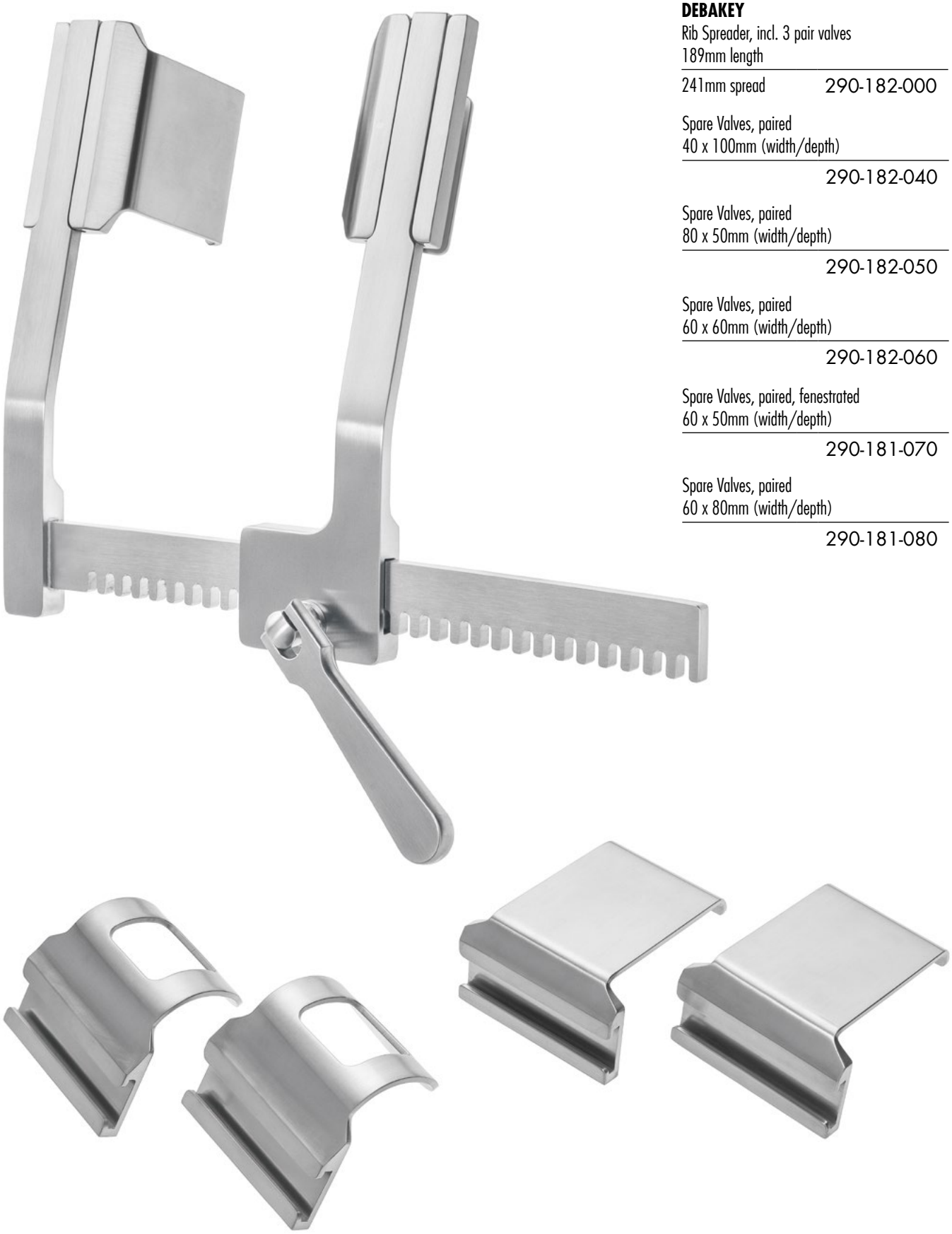
200mm spread	290-165-001
260mm spread	290-165-002
300mm spread	290-165-003

Spare Valves, fenestrated
62 x 47mm (width/depth)

290-165-100

Spare Valves, perforated
62 x 65mm (width/depth)

290-165-101



DEBAKEY
Rib Spreader, incl. 3 pair valves
189mm length

241mm spread 290-182-000

Spare Valves, paired
40 x 100mm (width/depth)
290-182-040

Spare Valves, paired
80 x 50mm (width/depth)
290-182-050

Spare Valves, paired
60 x 60mm (width/depth)
290-182-060

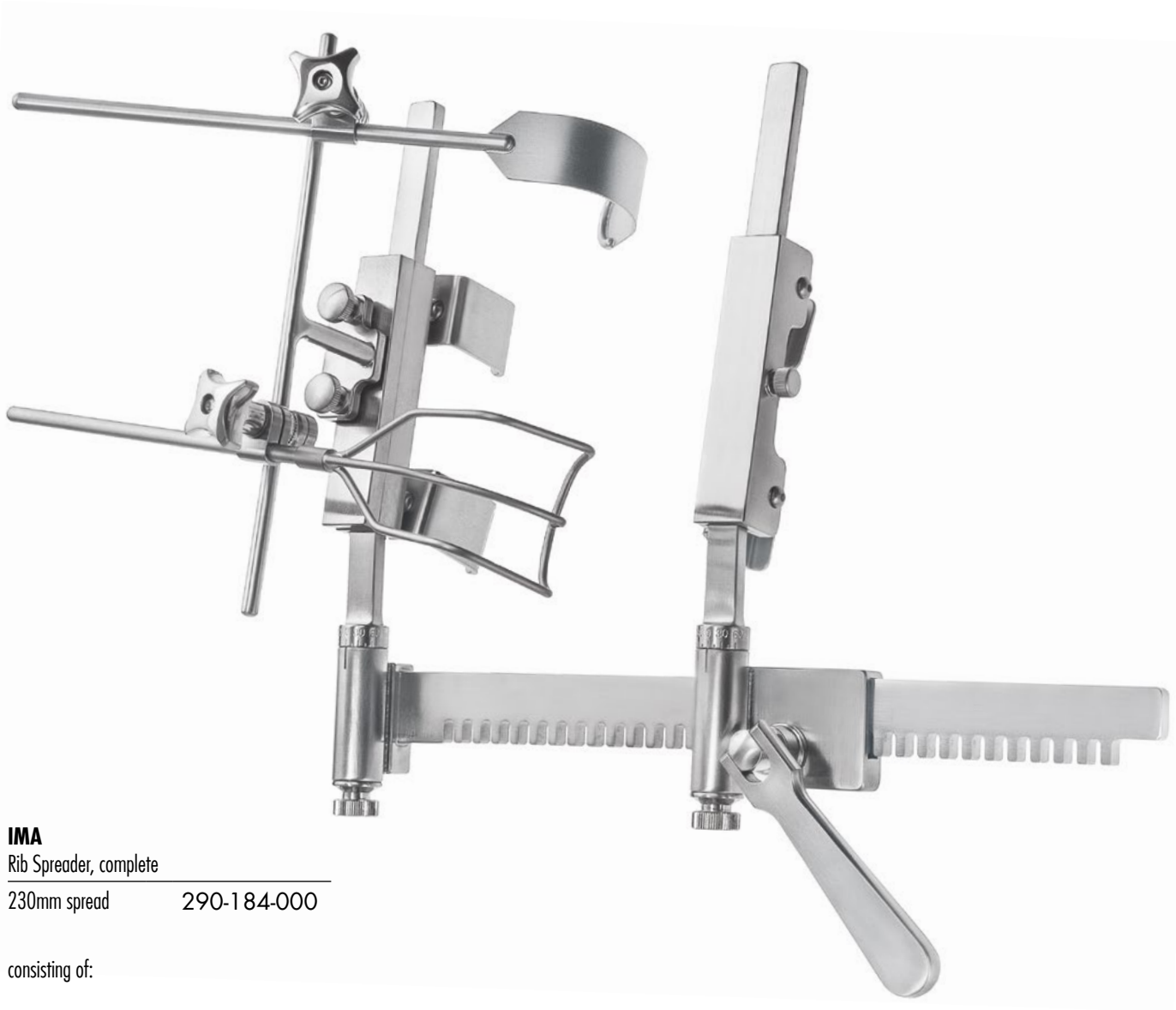
Spare Valves, paired, fenestrated
60 x 50mm (width/depth)
290-181-070

Spare Valves, paired
60 x 80mm (width/depth)
290-181-080



IMA
Rib Spreader, complete with Mammary blade
195 x 150 x 50mm (length/width/depth)

134mm spread	290-184-010



IMA

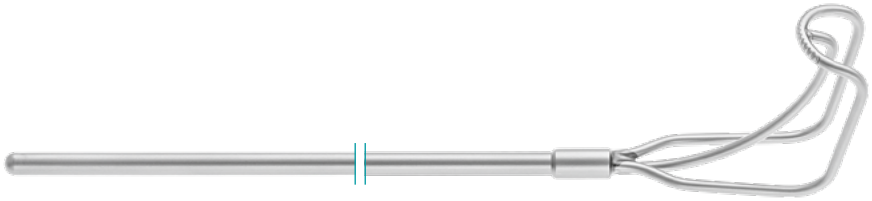
Rib Spreader, complete	
230mm spread	290-184-000

consisting of:

Double fixation valves	
	290-184-001
Double fixation valves with notch	
	290-184-002
T-Clamp	
	290-184-003
Universal Clamp	
	290-184-004

COOLEY

Valve Retractor	
small, 25mm	290-184-005
medium, 40mm	290-184-006
large, 50mm	290-184-007
Ribbon malleable valve	
	290-184-008







QUERVAIN
Rib Spreader, complete

160mm spread	290-190-000

consisting of:

Spare Valves, paired,
50 x 70mm (width/depth)

left	290-190-001

50 x 70mm (width/depth)

right	290-190-002

70 x 70mm (width/depth)

left	290-190-003

70 x 70mm (width/depth)

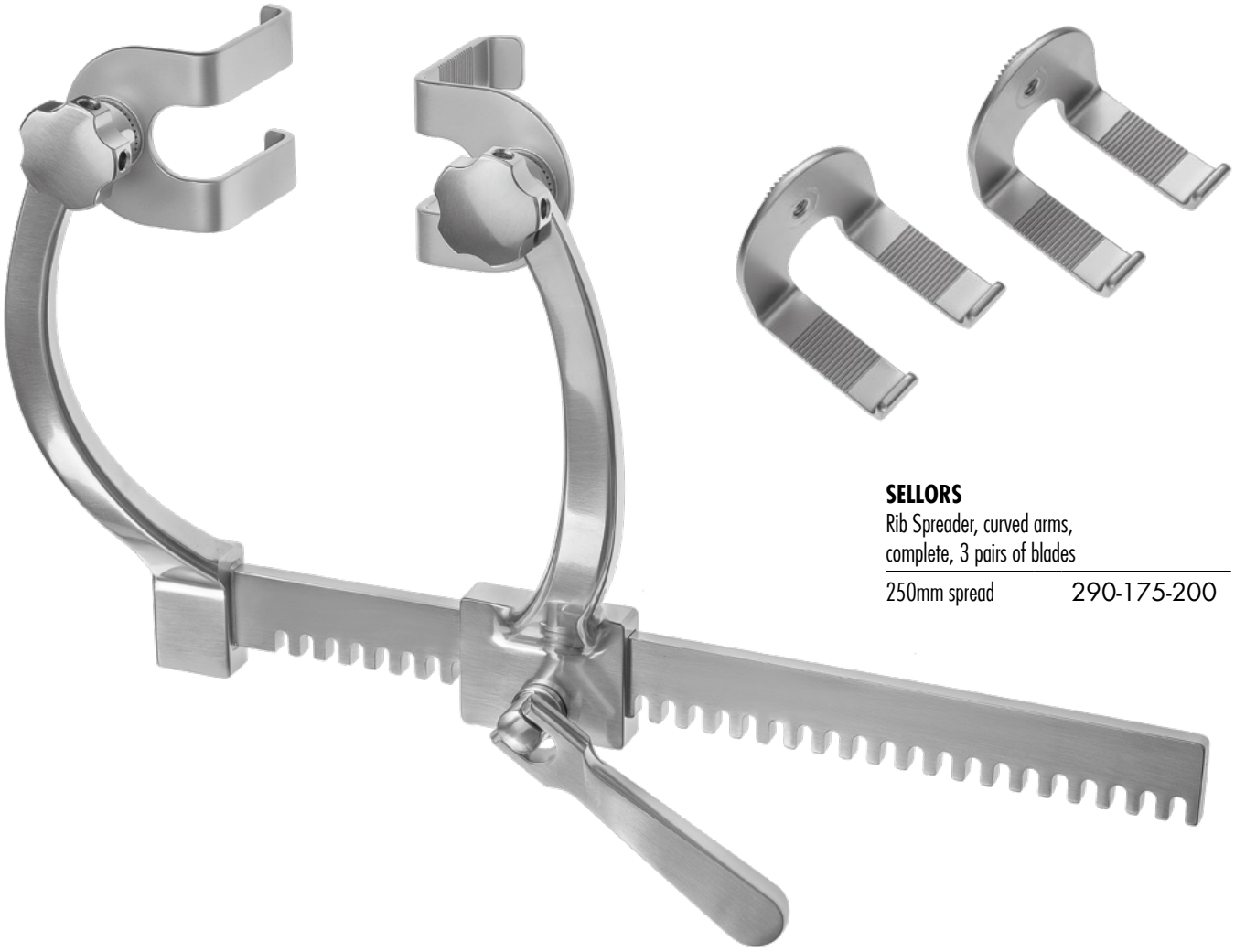
right	290-190-004

70 x 70mm (width/depth)

left, curved	290-190-005

70 x 70mm (width/depth)

right, curved	290-190-006



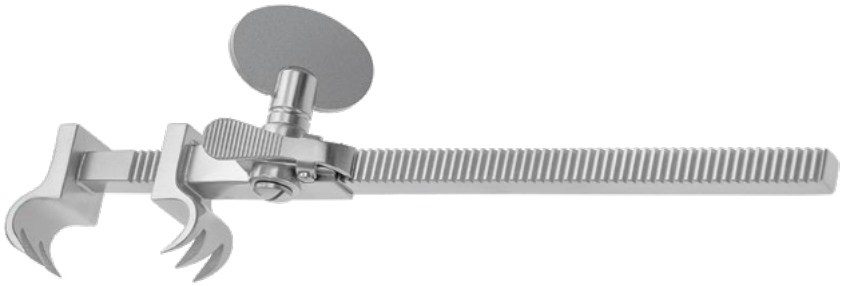
SELLORS
Rib Spreader, curved arms,
complete, 3 pairs of blades

250mm spread	290-175-200



BAILEY BABY
Rib Contractor, 3 prongs, 18mm depth

140mm length	290-501-140



BAILEY
Rib Contractor, 3 prongs, 19mm depth

180mm length	290-502-160



BAILEY GIBBON
Rib Contractor, 3 prongs, 29mm depth

180mm length	290-503-160



LEMMON
Rib Contractor, Children

145mm length	290-504-140

Adults

180mm length	290-504-180





Fig. 1



Fig. 2



Fig. 3

ÖSCH

Phlebectomy Hook, right handed

Fig. 1	290-150-501
Fig. 2	290-150-502
Fig. 3	290-150-503
Set	290-150-500

left handed

Fig. 1	290-150-601
Fig. 2	290-150-602
Fig. 3	290-150-603
Set	290-150-600





Fig. 1



Fig. 2



Fig. 3



Fig. 4

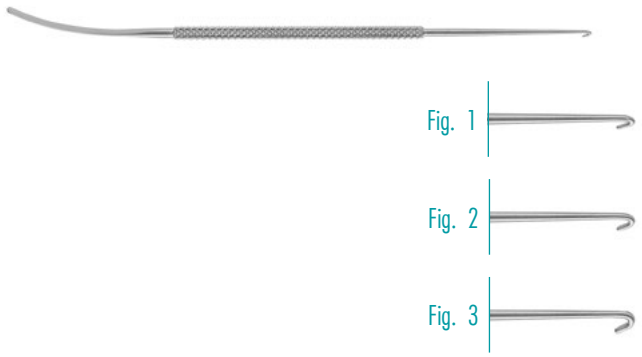
MÜLLER

Phlebectomy Hook, right handed

Fig. 1	290-150-001
Fig. 2	290-150-002
Fig. 3	290-150-003
Fig. 4	290-150-004
Set	290-150-000

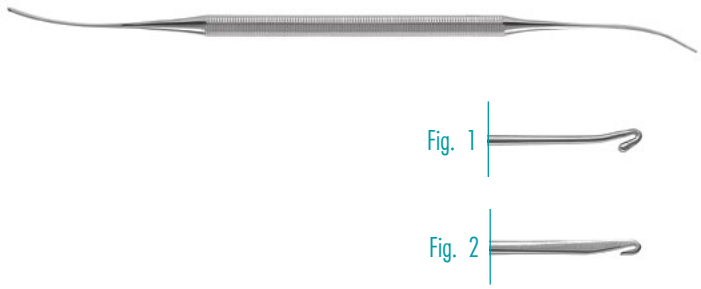
Phlebectomy Hook, left handed

Fig. 1	290-150-101
Fig. 2	290-150-102
Fig. 3	290-150-103
Fig. 4	290-150-104
Set	290-150-000



LOEPRECHT
Phlebectomy Hook and Spatula

2.0mm wide spatula with small hook	
Fig. 1	160-253-001
2.5mm wide spatula with medium hook	
Fig. 2	160-253-002
3.0mm wide spatula with large hook	
Fig. 3	160-253-003



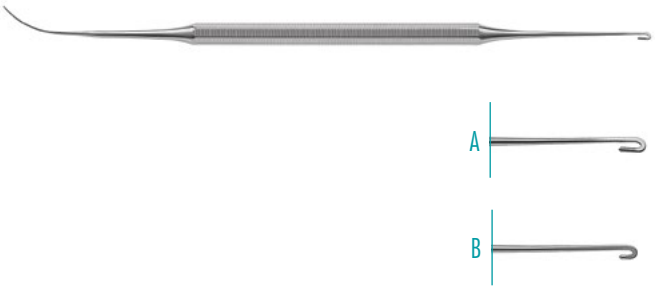
VARADY
Phlebectomy Dissector

180mm, 7"	160-252-001
Phleboextractor, with hook 180mm, 7"	
Fig. 1	160-252-002
Fig. 2	160-252-003



VARADY
Micro Spatula

175mm, $6^{7/8}$"	160-252-004



VARADY
Micro Phlebextractor, 170mm, $6^{2/3}$"

A	160-252-005
B	160-252-006
Set	160-252-000



Probe, malleable	
400mm, 15 3/4"	160-210-400
500mm, 19 3/4"	160-210-500
650mm, 25 1/2"	160-210-650
800mm, 31 1/2"	160-210-800



NABATOFF

Vein Stripper Set consisting of:	
Probe tip, plastic	160-250-002
Stripper head, 3mm	160-250-003
Stripper head, 6mm	160-250-006
Stripper head, 9mm	160-250-009
Stripper head, 12mm	160-250-012
T-Handle	160-250-080
Sterilization Box	160-250-095
Set complete	160-250-000



MYERS

Vein Stripper	
Ø 6mm	160-245-006
Ø 9mm	160-245-009
Ø 12.5mm	160-245-125
Ø 16mm	160-245-016



Vessel Probes, 110mm, 4 1/3"	
Ø 0.5mm	290-704-105
Ø 1.0mm	290-704-110
Ø 1.5mm	290-704-115
Ø 2.0mm	290-704-120
Ø 2.5mm	290-704-125
Ø 3.0mm	290-704-130
Ø 3.5mm	290-704-135
Set	
	290-704-100

140mm, 5 1/2"	
Ø 0.5mm	290-704-405
Ø 1.0mm	290-704-410
Ø 1.5mm	290-704-415
Ø 2.0mm	290-704-420
Ø 2.5mm	290-704-425
Ø 3.0mm	290-704-430
Ø 3.5mm	290-704-435
Set	
	290-704-200

210mm, 8 1/4"	
Ø 0.5mm	290-704-205
Ø 1.0mm	290-704-210
Ø 1.5mm	290-704-215
Ø 2.0mm	290-704-220
Ø 2.5mm	290-704-225
Ø 3.0mm	290-704-230
Ø 3.5mm	290-704-235
Set	
	290-704-300



GARRETT

Vascular Dilator, malleable, ∅ 0.5mm	
140mm, 5 1/2"	290-195-105
210mm, 8 1/4"	290-195-000
190mm, 7 1/2"	290-195-205
350mm, 14"	290-195-305

∅ 1.0mm	
140mm, 5 1/2"	290-195-110
210mm, 8 1/4"	290-195-010
190mm, 7 1/2"	290-195-210
350mm, 14"	290-195-310

∅ 1.5mm	
140mm, 5 1/2"	290-195-115
210mm, 8 1/4"	290-195-015
190mm, 7 1/2"	290-195-215
350mm, 14"	290-195-315

∅ 2.0mm	
140mm, 5 1/2"	290-195-120
210mm, 8 1/4"	290-195-020
190mm, 7 1/2"	290-195-220
350mm, 14"	290-195-320

∅ 2.5mm	
140mm, 5 1/2"	290-195-125
210mm, 8 1/4"	290-195-025
190mm, 7 1/2"	290-195-225
350mm, 14"	290-195-325

∅ 3.0mm	
140mm, 5 1/2"	290-195-130
210mm, 8 1/4"	290-195-030
190mm, 7 1/2"	290-195-230
350mm, 14"	290-195-330

∅ 3.5mm	
140mm, 5 1/2"	290-195-135
210mm, 8 1/4"	290-195-035
190mm, 7 1/2"	290-195-235
350mm, 14"	290-195-335

∅ 4.0mm	
140mm, 5 1/2"	290-195-140
210mm, 8 1/4"	290-195-040
190mm, 7 1/2"	290-195-240
350mm, 14"	290-195-340

∅ 4.5mm	
140mm, 5 1/2"	290-195-145
210mm, 8 1/4"	290-195-045
190mm, 7 1/2"	290-195-245
350mm, 14"	290-195-345

∅ 5.0mm	
140mm, 5 1/2"	290-195-150
210mm, 8 1/4"	290-195-050
190mm, 7 1/2"	290-195-250
350mm, 14"	290-195-350

Set	
140mm, 5 1/2"	290-195-100
210mm, 8 1/4"	290-195-000
190mm, 7 1/2"	290-195-200
350mm, 14"	290-195-300



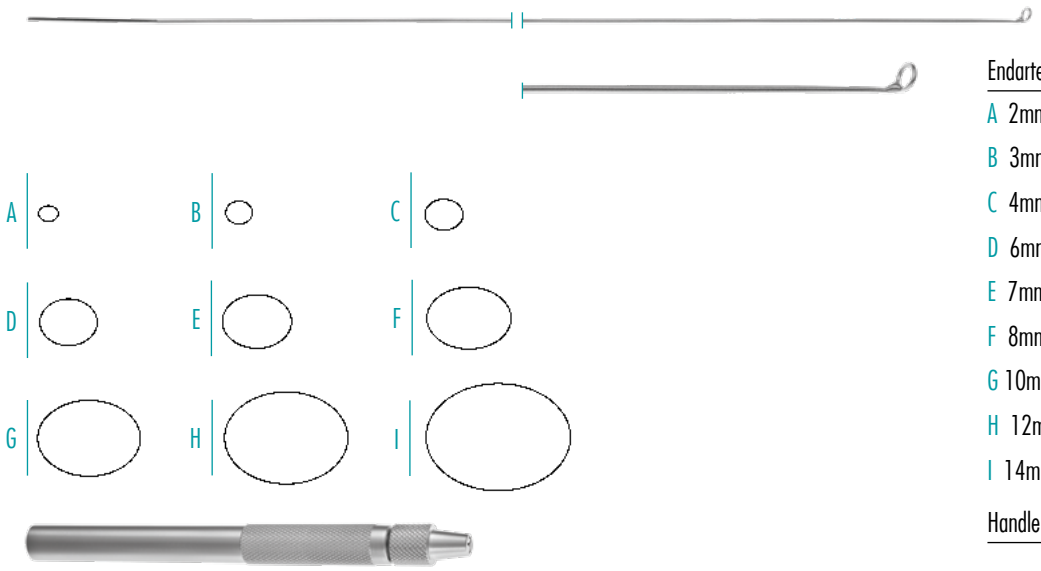
DEBAKEY

Vascular Dilator, malleable, Ø 0.5mm		Ø 1.0mm		Ø 1.5mm	
190mm, 7 1/2"	290-705-050	190mm, 7 1/2"	290-705-100	190mm, 7 1/2"	290-705-150
350mm, 14"	290-706-050	350mm, 14"	290-706-100	350mm, 14"	290-706-150
Ø 2.0mm		**Ø 2.5mm**		**Ø 3.0mm**	
190mm, 7 1/2"	290-705-200	190mm, 7 1/2"	290-705-250	190mm, 7 1/2"	290-705-300
350mm, 14"	290-706-200	350mm, 14"	290-706-250	350mm, 14"	290-706-300
Ø 3.5mm		**Ø 4.0mm**		**Ø 4.5mm**	
190mm, 7 1/2"	290-705-350	190mm, 7 1/2"	290-705-400	190mm, 7 1/2"	290-705-450
350mm, 14"	290-706-350	350mm, 14"	290-706-400	350mm, 14"	290-706-450
Ø 5.0mm		**Ø 7.0mm**		**Ø 9.0mm**	
190mm, 7 1/2"	290-705-500	190mm, 7 1/2"	290-705-700	190mm, 7 1/2"	290-705-900
350mm, 14"	290-706-500	350mm, 14"	290-706-700	350mm, 14"	290-706-900



COOLEY

Vascular Dilator, malleable, Ø 0.5mm		Ø 1.0mm		Ø 1.5mm	
130mm, 5 1/8"	290-703-005	130mm, 5 1/8"	290-703-010	130mm, 5 1/8"	290-703-015
190mm, 7 1/2"	290-703-105	190mm, 7 1/2"	290-703-110	190mm, 7 1/2"	290-703-115
Ø 2.0mm		**Ø 2.5mm**		**Ø 3.0mm**	
130mm, 5 1/8"	290-703-020	130mm, 5 1/8"	290-703-025	130mm, 5 1/8"	290-703-030
190mm, 7 1/2"	290-703-120	190mm, 7 1/2"	290-703-125	190mm, 7 1/2"	290-703-130
Ø 4.0mm		**Ø 5.0mm**			
130mm, 5 1/8"	290-703-040	130mm, 5 1/8"	290-703-050		
190mm, 7 1/2"	290-703-140	190mm, 7 1/2"	290-703-150		

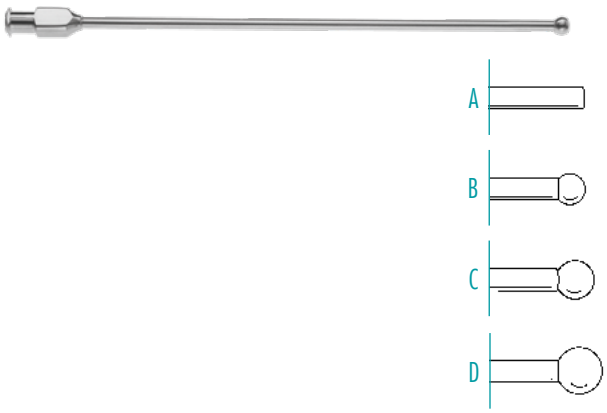


Endarterectomy Stripper, 550mm, 22"

A 2mm	160-251-002
B 3mm	160-251-003
C 4mm	160-251-004
D 6mm	160-251-006
E 7mm	160-251-007
F 8mm	160-251-008
G 10mm	160-251-010
H 12mm	160-251-012
I 14mm	160-251-014

Handle for Endarterectomy Stripper

160-251-030



SCHMID

Vessel irrigating cannula, malleable

A ∅ 3mm	165-700-003
B ∅ 4mm	165-700-004
C ∅ 5mm	165-700-005
D ∅ 6mm	165-700-006



Cannula, venous

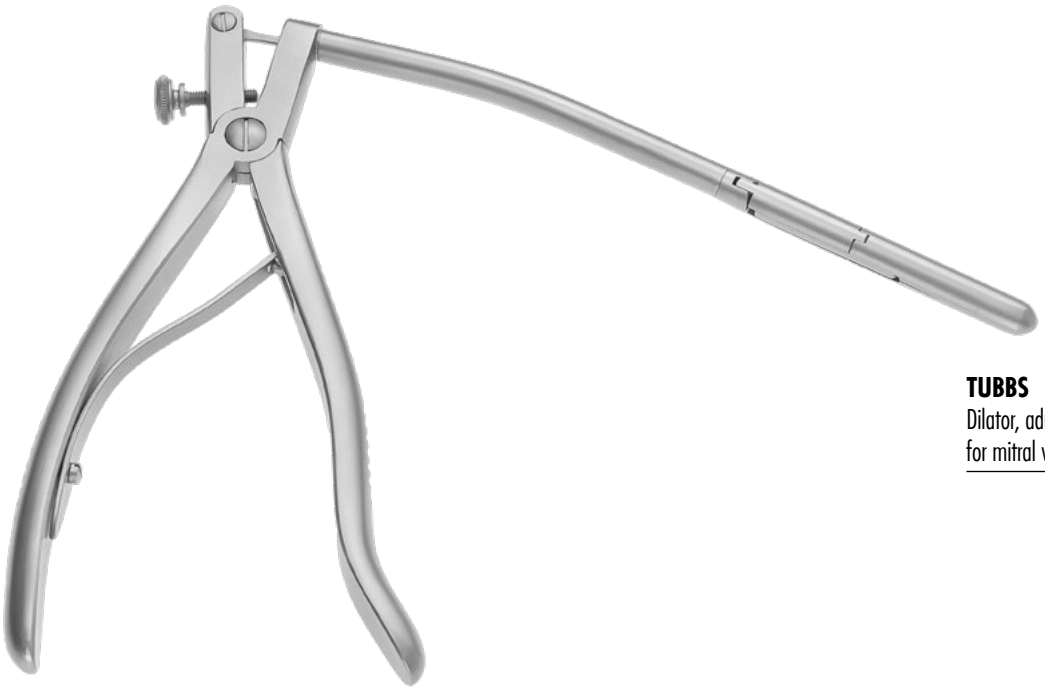
18G x 3 1/8" (1.2 x 80mm)	165-705-120
17G x 3 1/8" (1.5 x 80mm)	165-705-150



MOCK

Heparin Flushing Needle

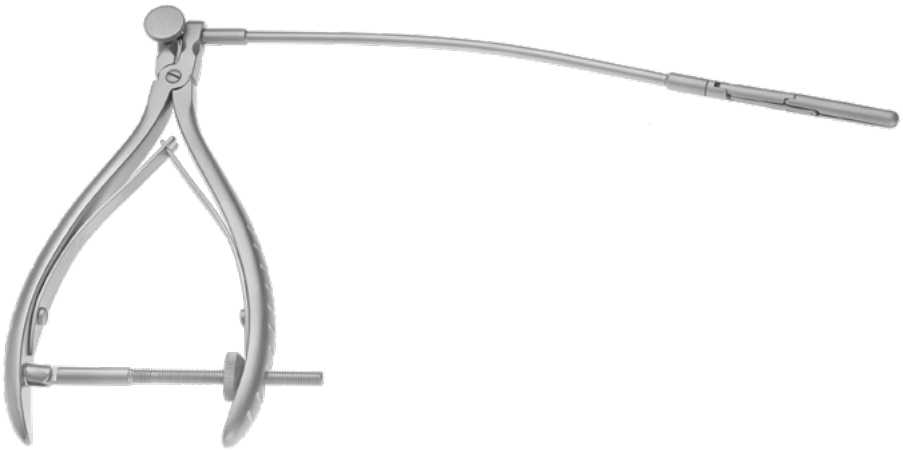
60mm, 2 3/8"	165-710-060



TUBBS
Dilator, adult size
for mitral valve blade opening 8-42mm

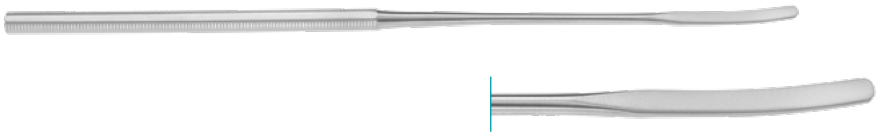
290-482-000





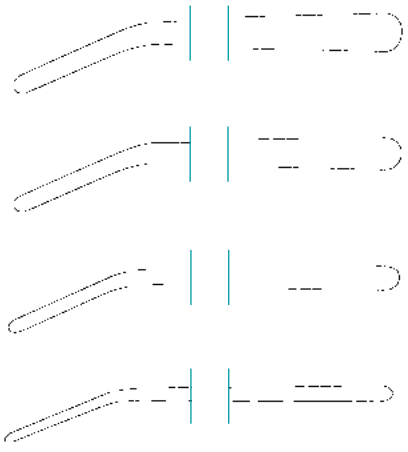
COOLEY
Dilator, child size

290-484-000



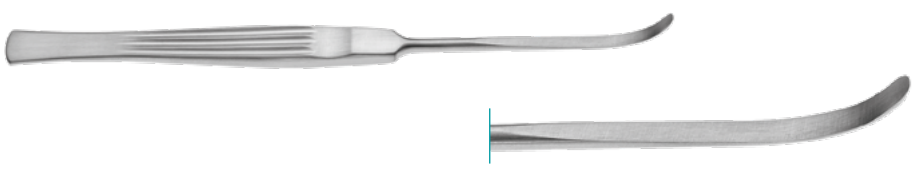
Intima Spatula, 3mm	
180mm, 7"	290-535-180
210mm, 8 1/4"	290-535-210
4mm	
140mm, 5 1/2"	290-537-140
5.5mm	
240mm, 9 1/2"	290-537-240





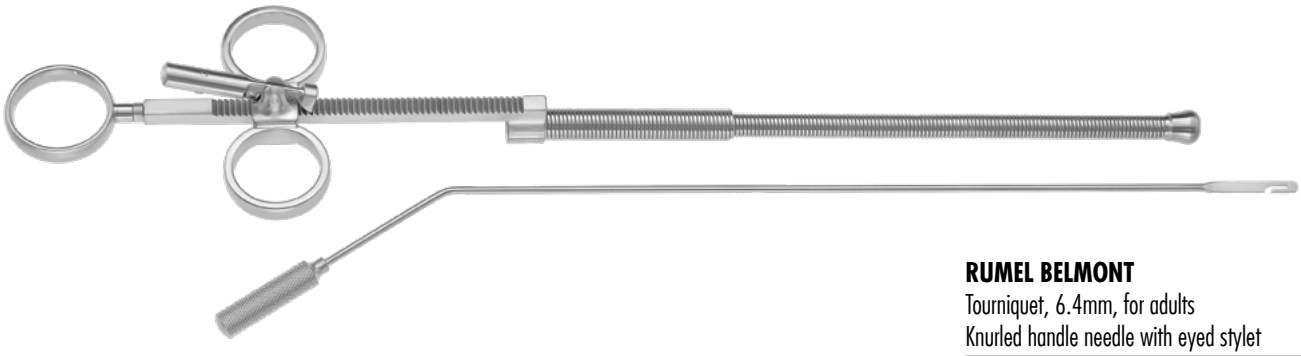
ROBB

Dissector, 240mm, 9 1/2"	
Fig. 1, 5 / 2.5mm	290-539-001
Fig. 2, 4 / 2.0mm	290-539-002
Fig. 3, 3 / 1.5mm	290-539-003
Fig. 4, 2 / 1.0mm	290-539-004



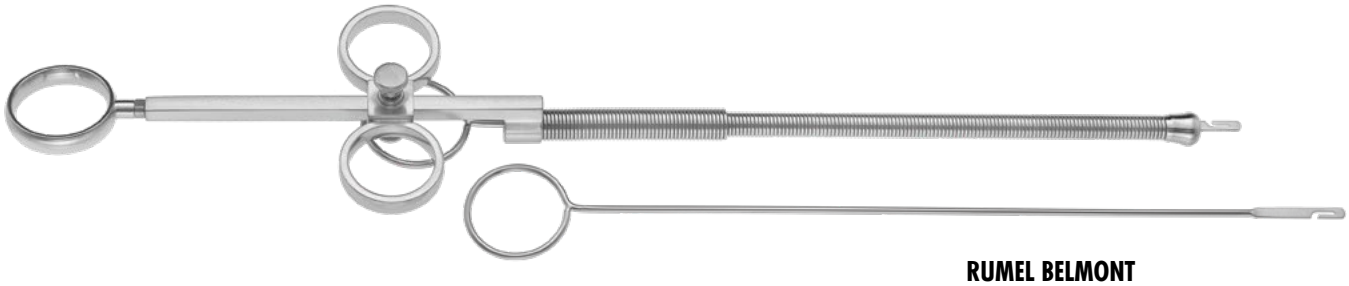
LEMMON

Intima Dissector, 165mm, 6 1/2"	
4mm wide	290-707-165
8mm wide	290-708-165
15mm wide	290-709-165



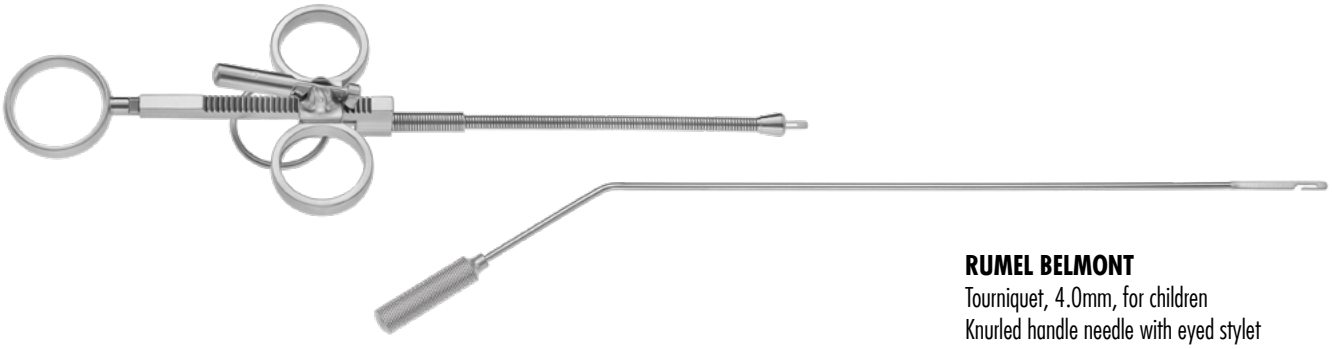
RUMEL BELMONT
Tourniquet, 6.4mm, for adults
Knurled handle needle with eyed stylet

complete	290-558-330
Stylet	290-558-331



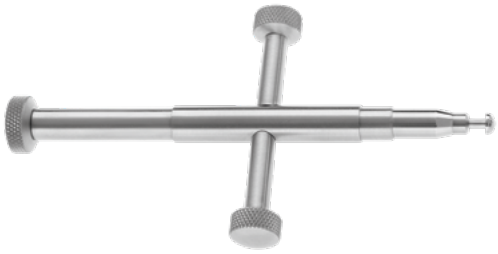
RUMEL BELMONT
Tourniquet, 6.5mm, for adults, flexible,
without ratchet,
Ring handle needle with eyed stylet

complete	290-564-305
Stylet	290-564-306



RUMEL BELMONT
Tourniquet, 4.0mm, for children
Knurled handle needle with eyed stylet

complete	290-556-330
Stylet	290-556-331



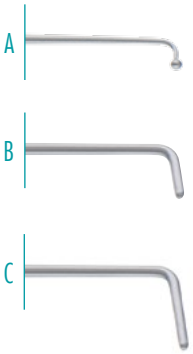
Aortic Punch
120mm, 4 3/4"

Ø 3mm	290-712-030
Ø 4mm	290-712-040
Ø 4.5mm	290-712-045
Ø 5mm	290-712-050
Ø 6mm	290-712-060

150mm, 6"

Ø 3mm	290-715-030
Ø 4mm	290-715-040
Ø 4.5mm	290-715-045
Ø 5mm	290-715-050
Ø 6mm	290-715-060





Nerve and Vessel Hook for valve surgery
A 4.5mm tip length, Ø 1.5mm tip

350mm, 14"	295-000-001

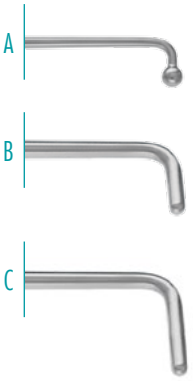
B 5.0mm tip length, Ø 1.0mm tip

350mm, 14"	295-000-002

C 9.0mm tip length, Ø 1.5mm tip

350mm, 14"	295-000-003





Nerve and Vessel Hook for valve surgery
A 5.0mm tip length, Ø 3.0mm tip

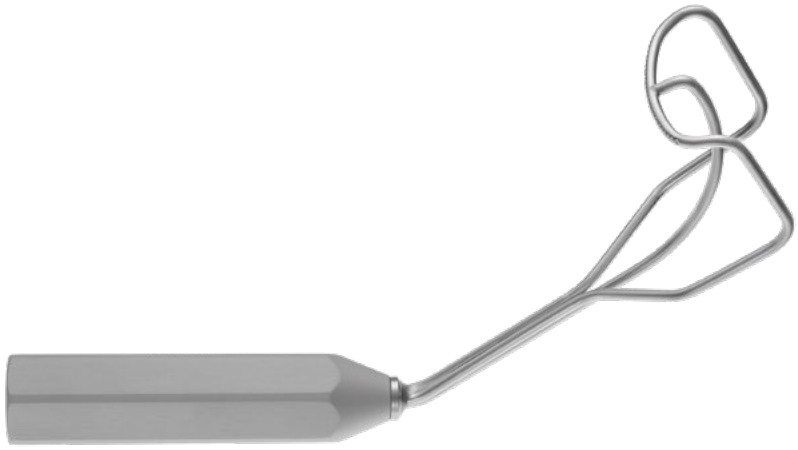
330mm, 13"	295-000-101

B 5.0mm tip length, Ø 1.4mm tip

330mm, 13"	295-000-102

C 9.0mm tip length, Ø 2.3mm tip

330mm, 13"	295-000-103



COOLEY
Atrium Retractor, serrated, Aluminium handle, right

25 x 35mm	290-485-201
40 x 35mm	290-485-202
50 x 35mm	290-485-203

left

50 x 10mm	290-485-204



ROSS
Aortic Retractor, 270mm, $10^{2/3}$"

Fig. 1	15 x 16mm	170-475-001
Fig. 2	13 x 23mm	170-475-002
Fig. 3	25 x 18mm	170-475-003
Fig. 4	29 x 13mm	170-475-004
Fig. 5	29 x 29mm	170-475-005
Fig. 6	35 x 21mm	170-475-006



DAVIDSON
Scapular Retractor, 160mm, $6^{1/4}$"

75 x 50mm	170-463-001
75 x 90mm	170-463-002



CORYLLOS
Retractor, 240mm, $9^{1/2}$"

82 x 22mm	170-461-001
108 x 43mm	170-461-002
115 x 65mm	170-461-003



BOROWSKI
Aortic Valve Retractor, malleable

17 x 21mm	290-485-301
16 x 23mm	290-485-302
20 x 25mm	290-485-303
24 x 27mm	290-485-304
28 x 20mm	290-485-305
28 x 29mm	290-485-306

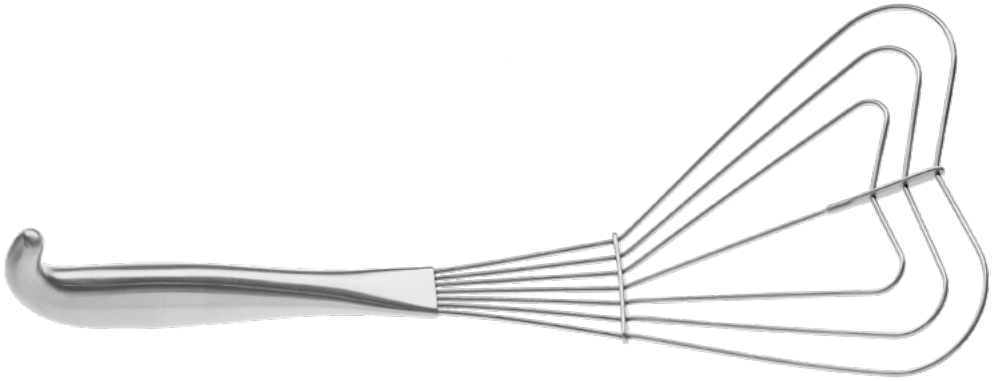


ALLISON
Lung Spatula, 40mm

300mm, 11 7/8"	290-505-300

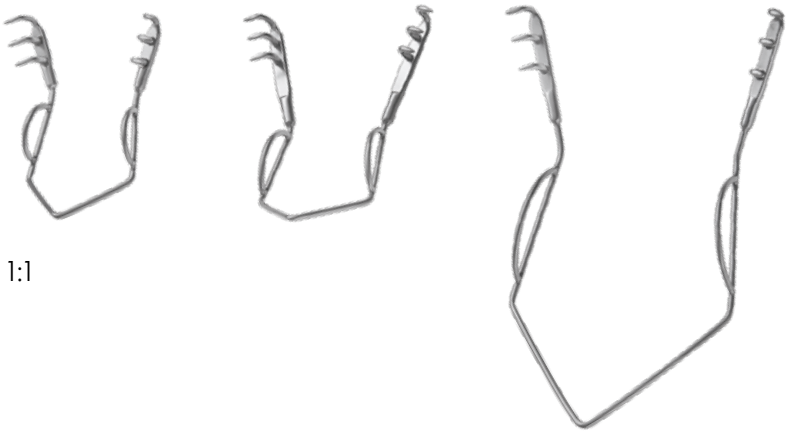
53mm

320mm, 12 1/2"	290-505-320



Lung Spatula

300mm, 11 7/8"	290-511-260



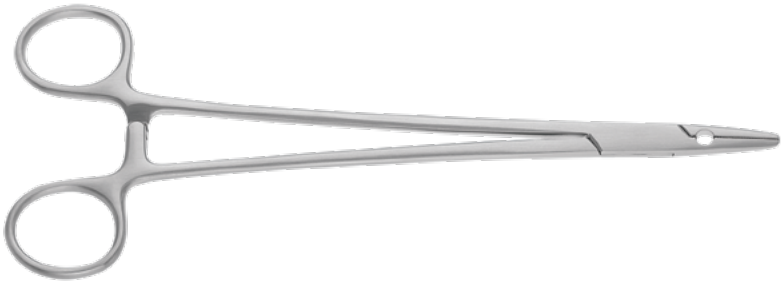
1:1

PARSONNET
Retractor, 3x3 teeth

25mm	290-233-025
32mm	290-233-030
50mm	290-233-047



A



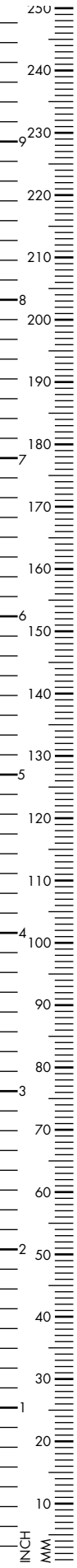
B



C



Valve Set	
consiting of:	295-130-000
A Clamp	
230mm	295-130-008
B Stick	
190mm	295-130-001
C Valve	
30 x 35mm	295-130-002
40 x 35mm	295-130-003
50 x 35mm	295-130-004
50 x 45mm	295-130-005
60 x 45mm	295-130-006
75 x 45mm	295-130-007


250
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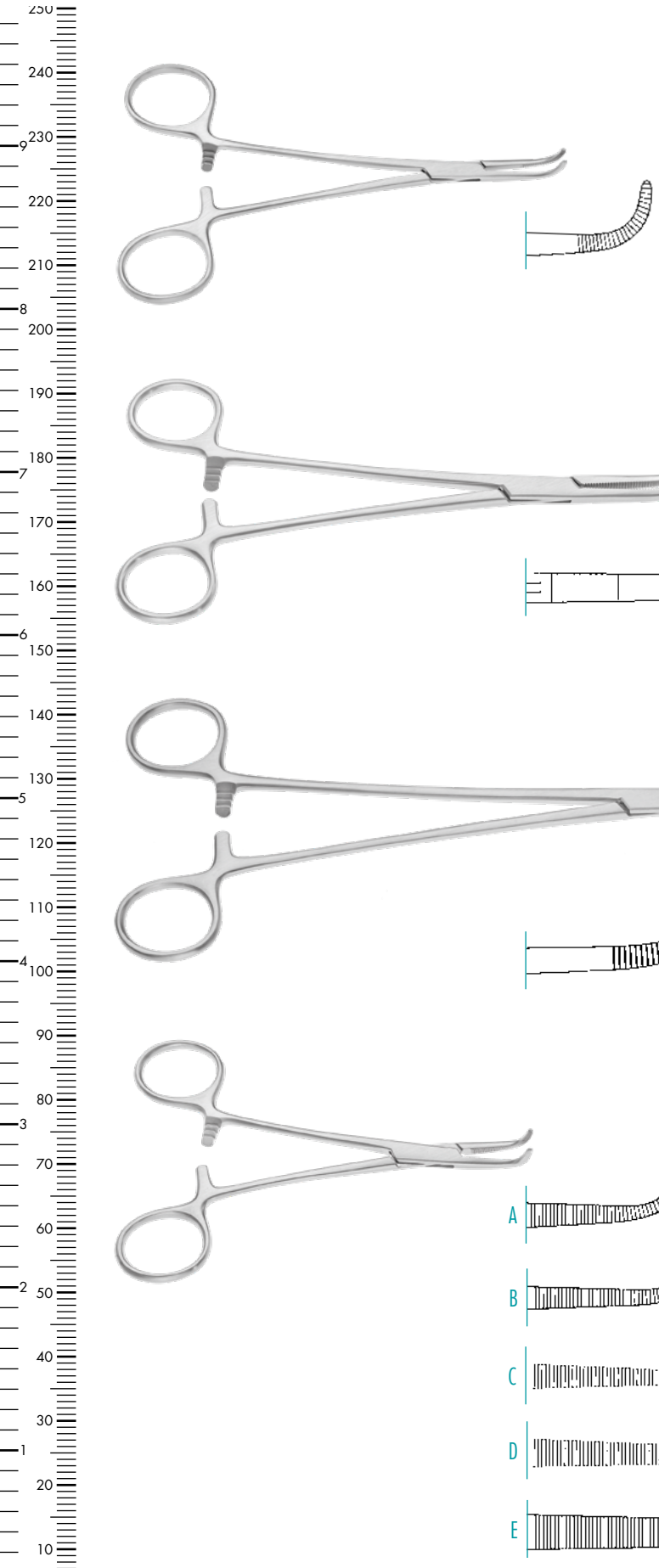
GALLBLADDER INSTRUMENTS



Forceps
Stone Forceps
Gall Duct Probes
Stone Scoops



PETIT MIXTER
Forceps, 90° angled

140mm, 5 1/2"	140-373-140
180mm, 7"	140-373-180

MIXTER
Forceps, fully serrated

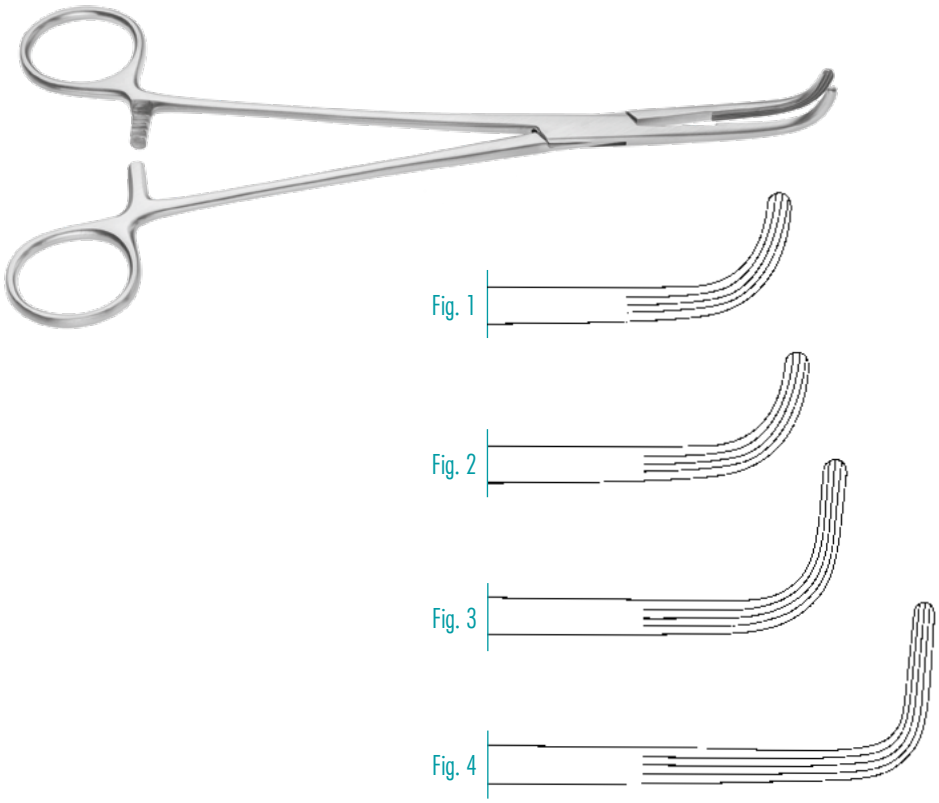
155mm, 6 1/8"	140-423-155
190mm, 7 1/2"	140-423-190

MIXTER
Kidney Pedicle Forceps

230mm, 9"	140-429-230

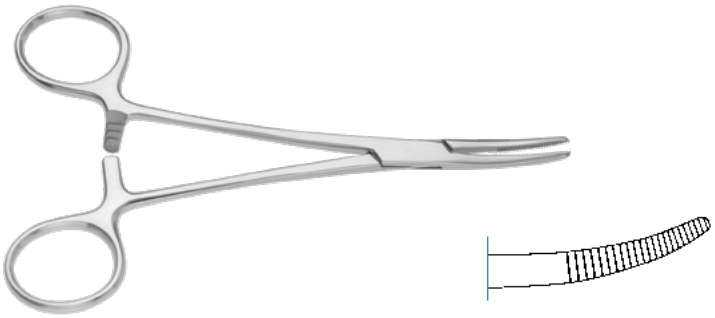
GEMINI
Dissecting Forceps

A	130mm, 5 1/8"	140-361-130
B	180mm, 7"	140-361-180
C	200mm, 8"	140-361-200
D	230mm, 9"	140-361-230
E	280mm, 11"	140-361-280



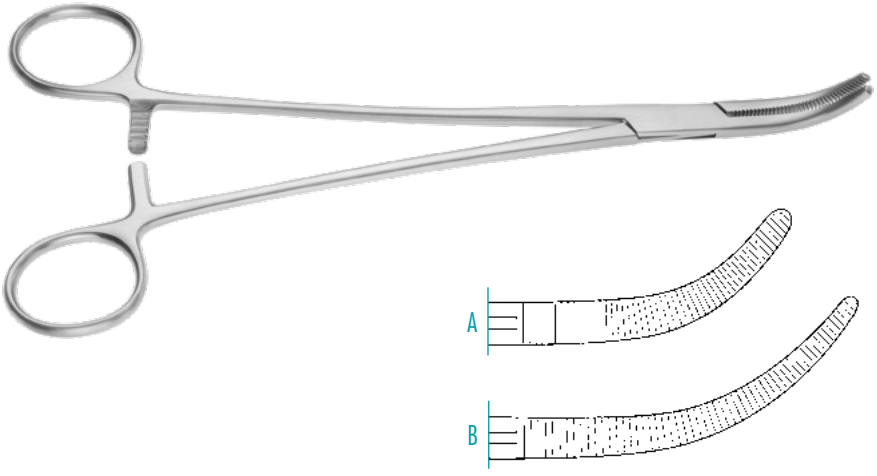
MIXTER
Gall Duct Forceps, Fig. 1

190mm, 7 1/2"	140-433-190
Fig. 2	
220mm, 8 2/3"	140-433-220
Fig. 3	
250mm, 9 7/8"	140-433-250
Fig. 4	
280mm, 11"	140-433-280



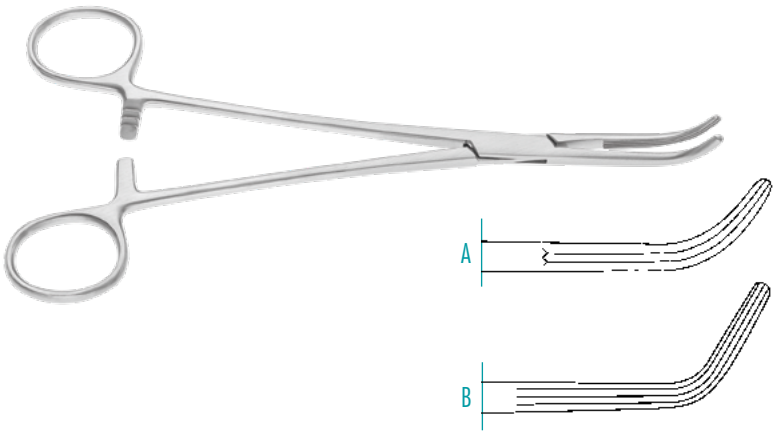
MOYNIHAN
Artery Forceps, delicate, curved

150mm, 6"	140-303-150



MOYNIHAN
Hysterectomy Forceps, curved

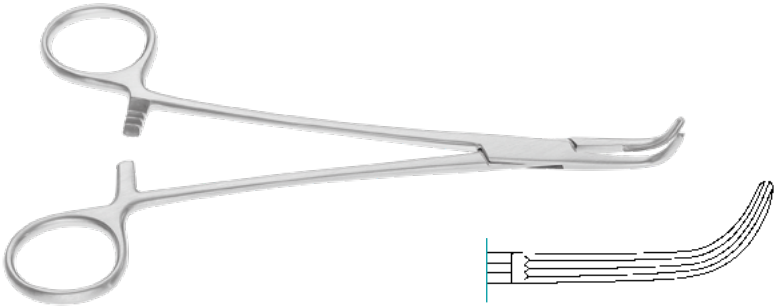
A 230mm, 9"	140-645-230
B 240mm, 9 1/2"	140-647-240



LAHEY

Gall Duct Forceps, curved, longitudinal serration

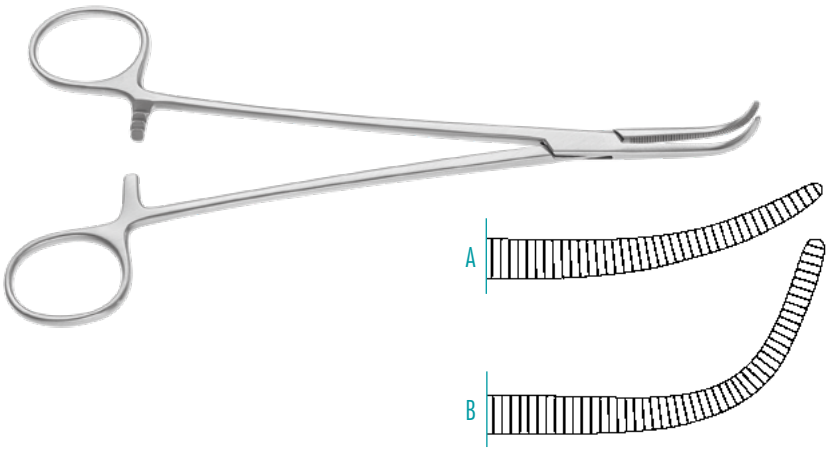
A	190mm, 7 1/2"	140-439-190
B	230mm, 9"	140-439-230



LOWER

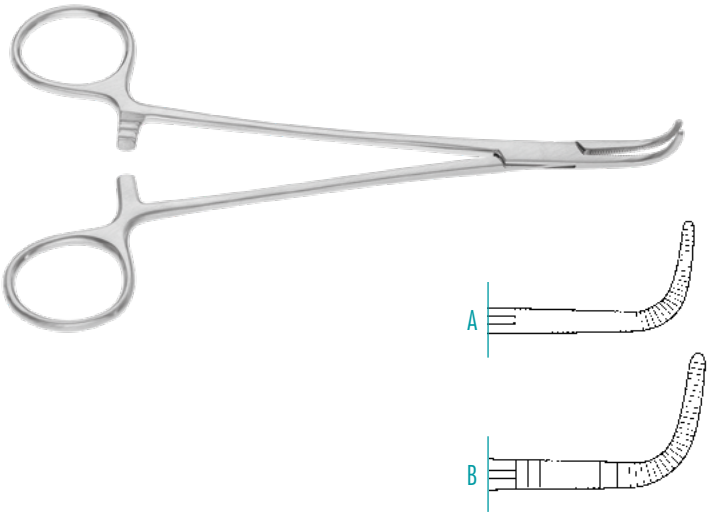
Gall Duct Forceps, curved, longitudinal serration

	185mm, 7 1/4"	140-437-180



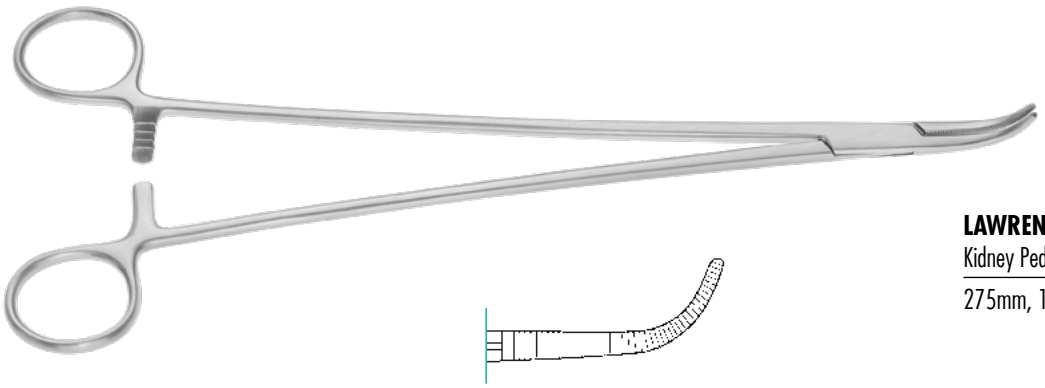
VARCO
Gallbladder Forceps, slightly curved

A 190mm, 7 1/2"	140-403-190
B fully curved	
200mm, 8"	140-403-200



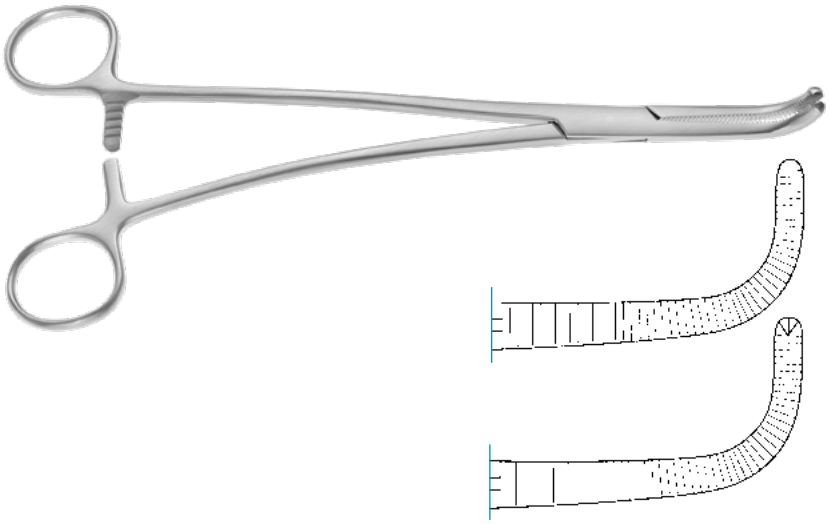
MEEKER
Kidney Pedicle Clamp
Fig. 1

A 180mm, 7"	140-619-180
Fig. 2	
B 280mm, 11"	140-619-275



LAWRENCE
Kidney Pedicle Clamp

275mm, 10 7/8"	140-617-275

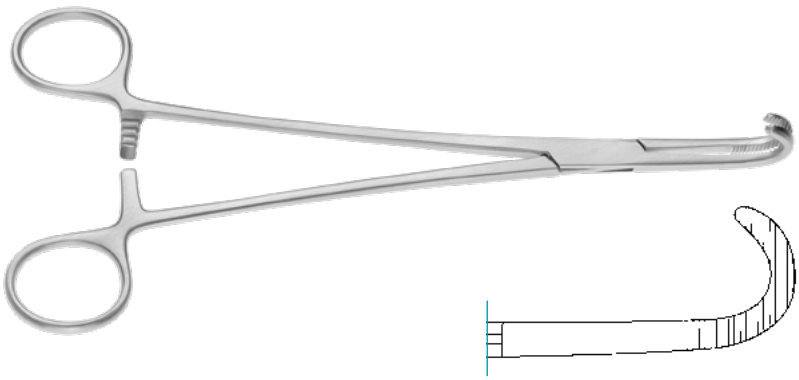


GRAY
Gall Duct Forceps, s-curved

220mm, 8 2/3"	140-607-220
230mm, 9"	140-607-230

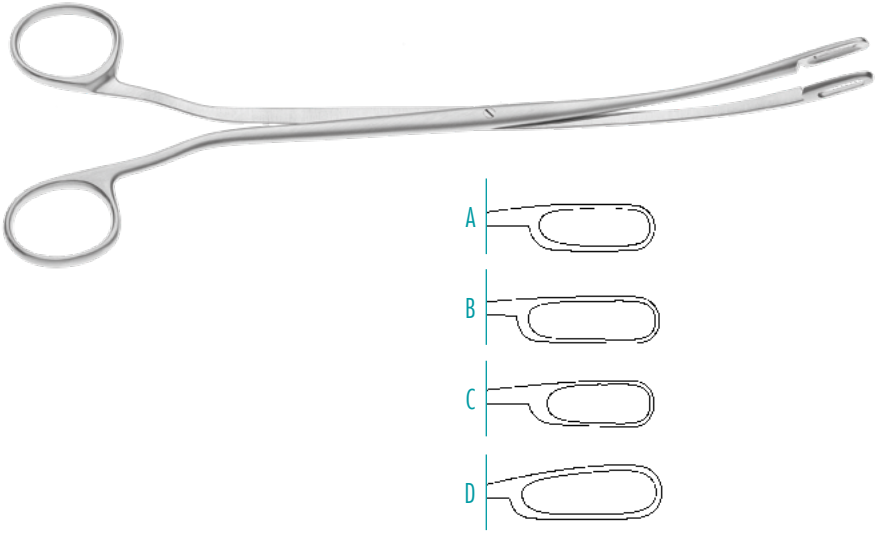
1x2 teeth

220mm, 8 2/3"	140-608-220
230mm, 9"	140-608-230



DESJARDINS
Gall Duct Forceps, curved

210mm, 8 1/2"	140-609-210



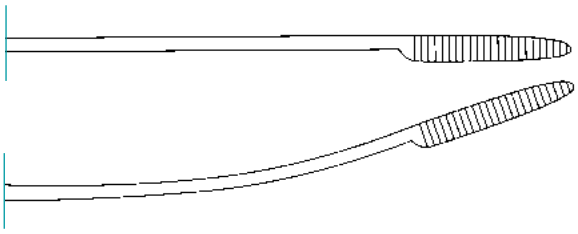
DESJARDINS
Gall Stone Forceps, 230mm, 9"

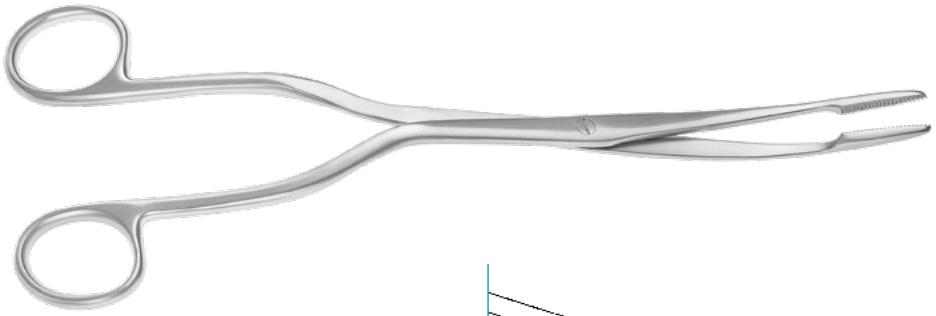
A #1	320-111-230
B #2	320-112-230
C #3	320-113-230
D #4	320-114-230



PELKMANN
Swab Forceps

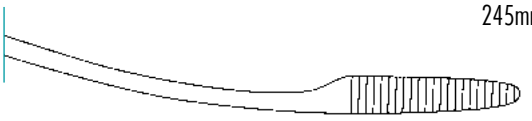
straight	150-045-250
curved	150-046-250



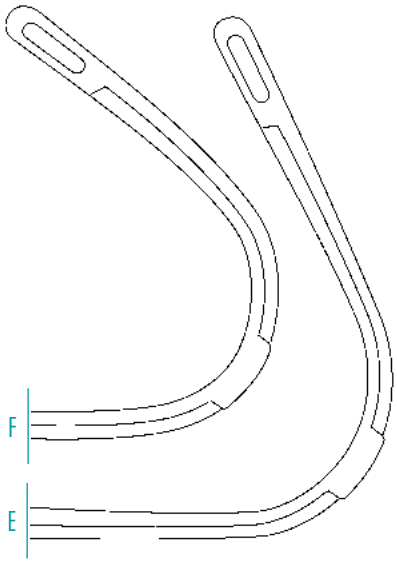


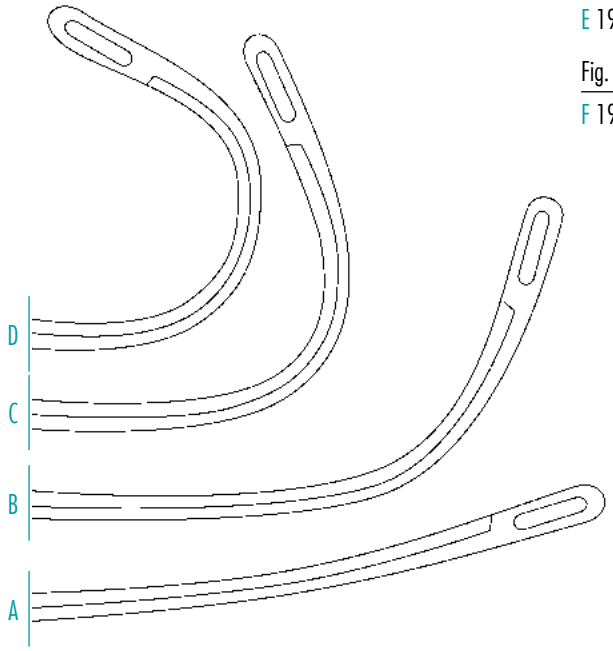
CZERNY
Gall Stone Forceps

245mm, $9^{2/3}$"	320-135-245



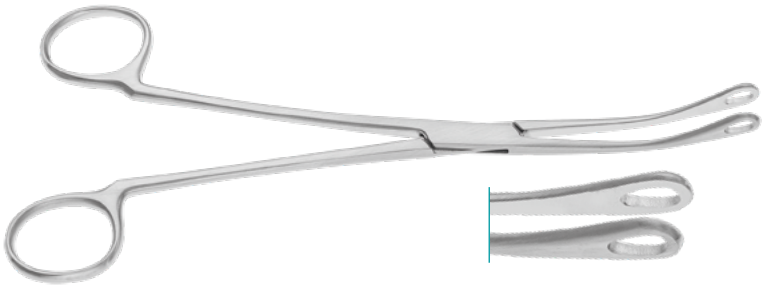






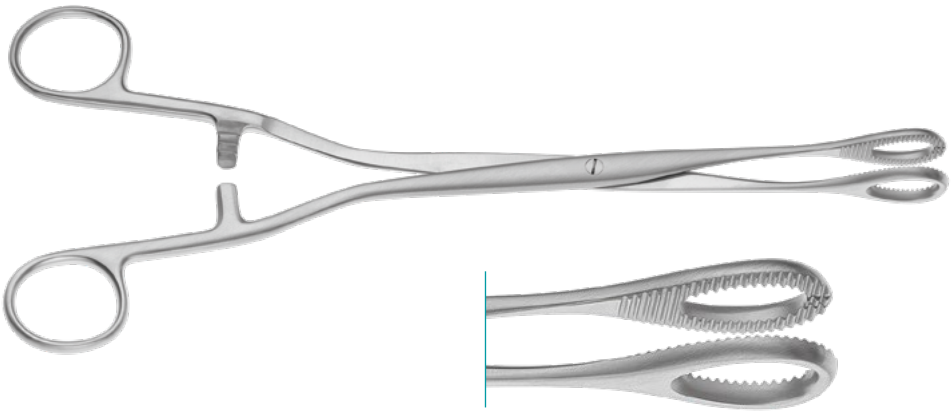
RANDALL
Kidney Stone Forceps

Fig. 1	
A 230mm, 9″	320-101-230
Fig. 2	
B 220mm, $8^{2/3}$″	320-103-220
Fig. 3	
C 220mm, $8^{2/3}$″	320-105-220
Fig. 4	
D 220mm, $8^{2/3}$″	320-107-220
Fig. 5	
E 190mm, $7^{1/2}$″	320-109-190
Fig. 6	
F 190mm, $7^{1/2}$″	320-111-190



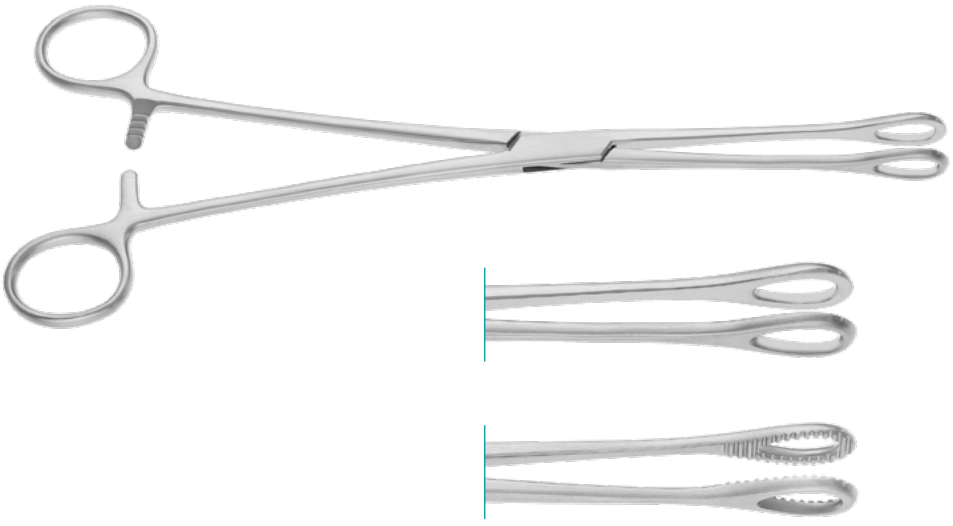
BLAKE
Gall Stone Forceps, 200mm, 8"

Straight	320-117-200
Curved	320-116-200



HEYWOOD SMITH
Gall Bladder Forceps

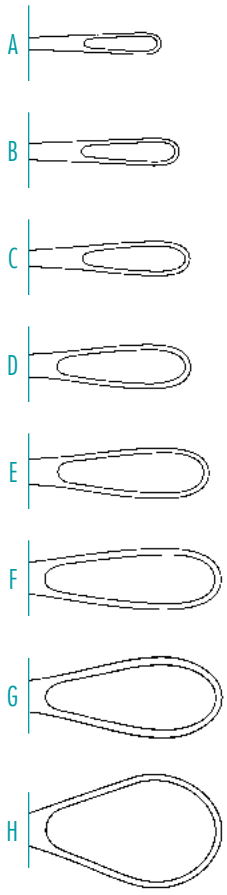
210mm, 8 1/4"	350-491-210
250mm, 9 7/8"	350-491-250



FOERSTER
Sponge Forceps, smooth, straight

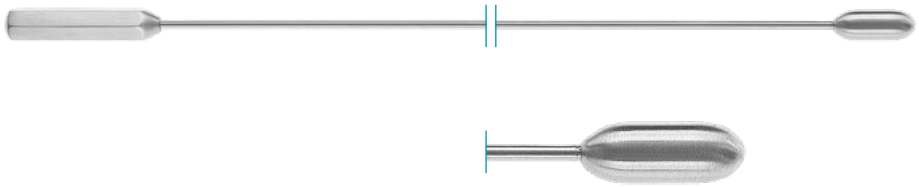
180mm, 7"	150-050-180
250mm, 9 7/8"	150-050-250
smooth, curved	
180mm, 7"	150-053-180
250mm, 9 7/8"	150-053-250
serrated, straight	
180mm, 7"	150-052-180
250mm, 9 7/8"	150-052-250
355mm, 14"	150-052-355
410mm, 16"	150-052-410
serrated, curved	
180mm, 7"	150-055-180
250mm, 9 7/8"	150-055-250





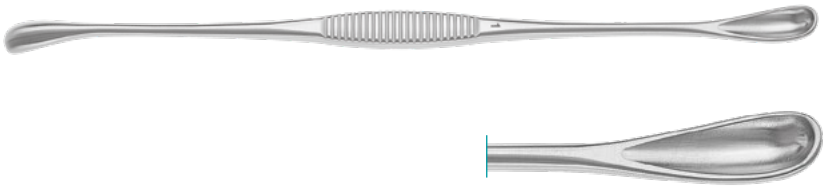
LUER KOERTE
Gall Stone Scoop, malleable, 320mm, 12 1/2"

Fig. 000	
A 2.8mm	320-140-300
Fig. 00	
B 3.4mm	320-140-200
Fig. 0	
C 4.3mm	320-140-100
Fig. 1	
D 5.5mm	320-140-010
Fig. 2	
E 6.7mm	320-140-020
Fig. 3	
F 8.0mm	320-140-030
Fig. 4	
G 11.0mm	320-140-040
Fig. 5	
H 15.0mm	320-140-050



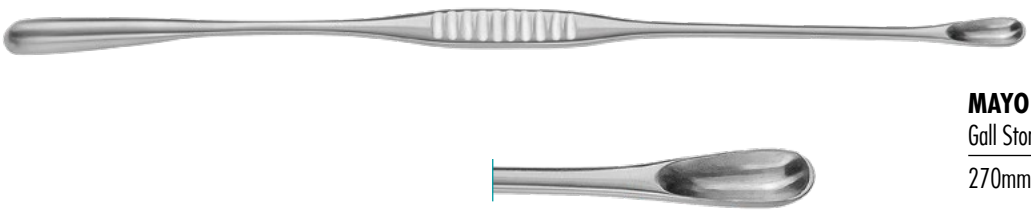
BAKES
Gall Duct Probe, 300mm, $11^{7/8}$"

∅ 1mm	320-150-001
∅ 2mm	350-150-002
∅ 3mm	320-150-003
∅ 4mm	320-150-004
∅ 5mm	320-150-005
∅ 6mm	320-150-006
∅ 7mm	320-150-007
∅ 8mm	320-150-008
∅ 9mm	320-150-009
∅ 10mm	320-150-010
∅ 11mm	320-150-011



FERGUSSON
Gall Stone Scoop, Fig.2, 11/12mm

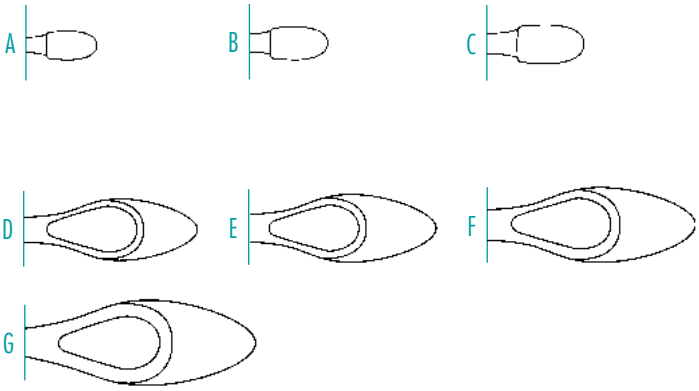
215mm, $8^{1/2}$"	320-150-215



MAYO
Gall Stone Scoop

270mm, $10^{2/3}$"	320-152-270





DESJARDINS
Gall Duct Probe, 280mm, 11″

A 13 Charr.	320-151-001
B 18 Charr.	320-151-002
C 21 Charr.	320-151-003

Scoop

D 18 Charr.	320-121-001
E 21 Charr.	320-121-002
F 24 Charr.	320-121-003
G 27 Charr.	320-121-004

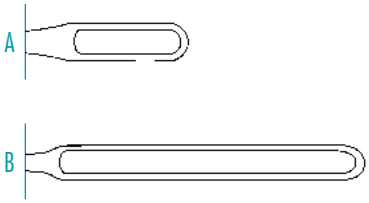




MOYNIHAN
Gall Duct Probe / Scoop

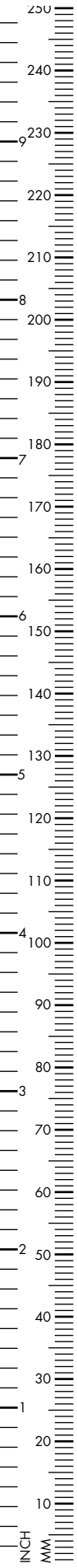
340mm, 13 1/3″	320-142-340





MAYO
Gall Stone Scoop,
working length: 270mm, 10 2/3″

A small	320-153-001
B medium	320-153-002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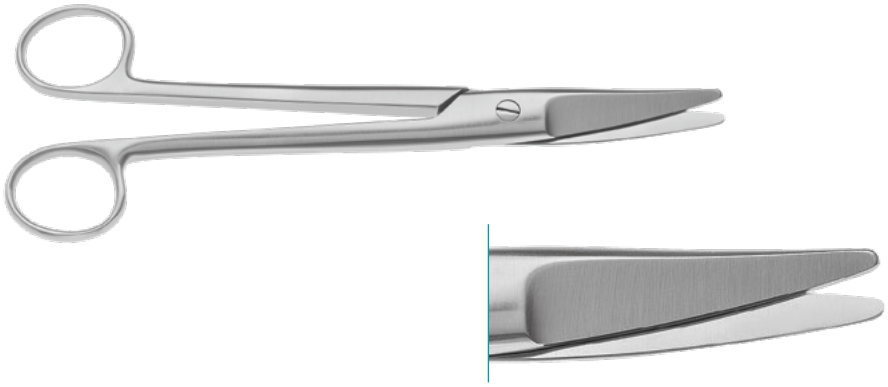
INCH
MM

OBSTETRICS & GYNECOLOGY

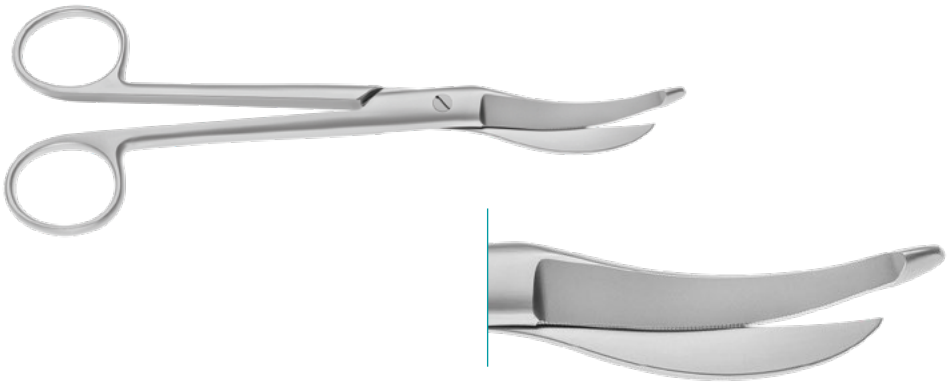


- Scissors
- Clamps and Forceps
- Hysterectomy Forceps
- Uterus Forceps
- Tenaculum Forceps
- Uterine / Placenta Forceps
- Obstetrical Forceps
- Myoma Screws
- Curettes
- Amniotome
- Uterine Scoops/Curettes
- Biopsy Forceps
- Probes/Dilators
- Retractors/Specula
- Pelvimeter



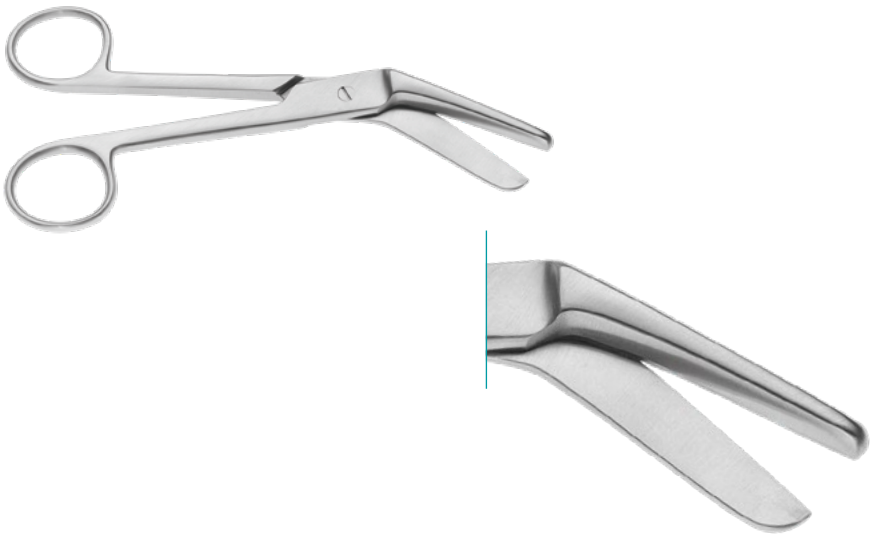
MAYO NOBLE
Scissors, curved

170mm, 6 2/3"	120-049-170
190mm, 7 1/2"	120-049-190



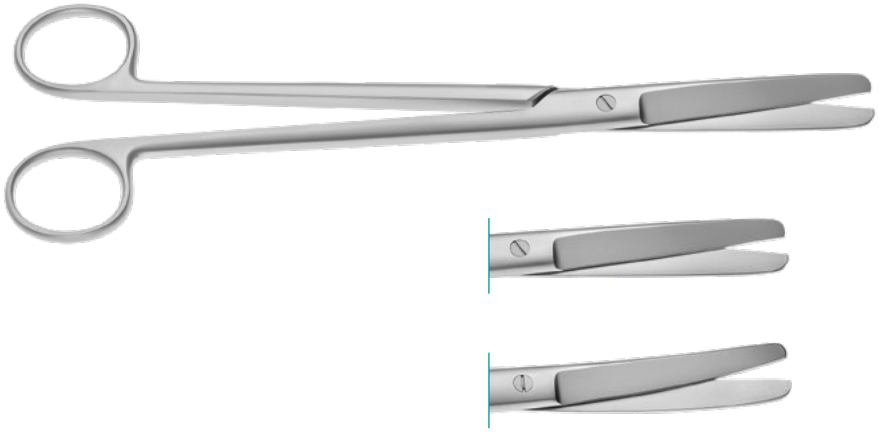
WALDMANN
Episiotomy Scissors, curved, serrated

180mm, 7"	120-231-180



BRAUN STADLER
Episiotomy Scissors

145mm, 5 3/4"	120-225-145
200mm, 8"	120-225-200

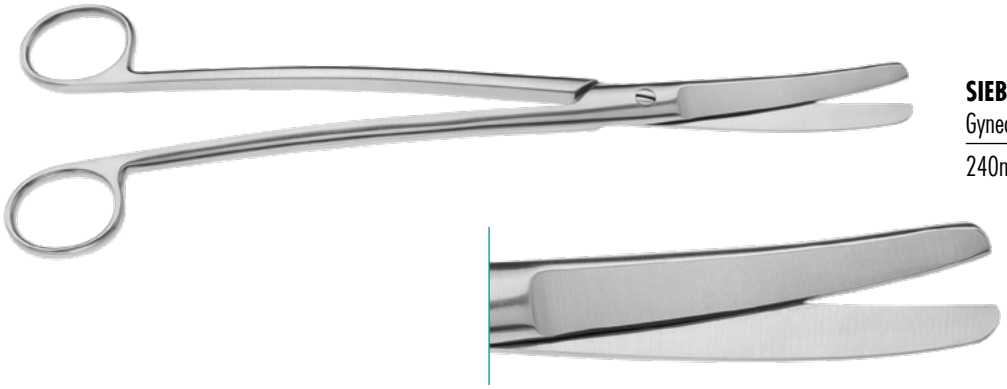


SIMS
Gynecological Scissors, straight, blunt/blunt

200mm, 8″	120-062-200
230mm, 9″	120-062-230

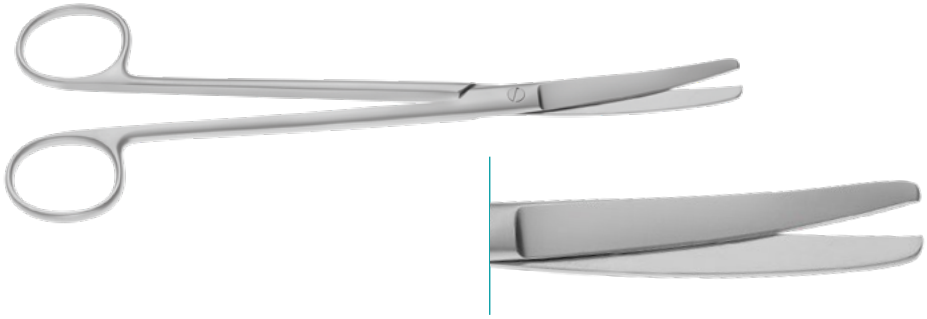
curved

200mm, 8″	120-063-200
230mm, 9″	120-063-230



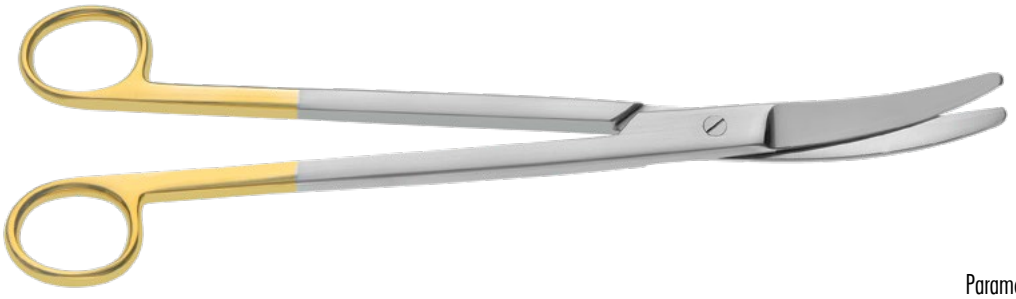
SIEBOLD
Gynecological Scissors, s-curved

240mm, 9 1/2″	120-061-240

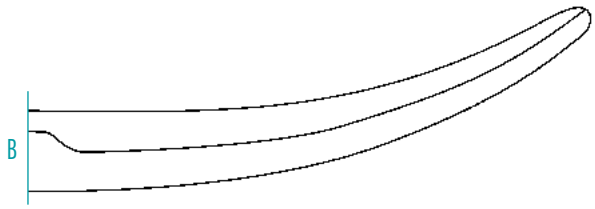


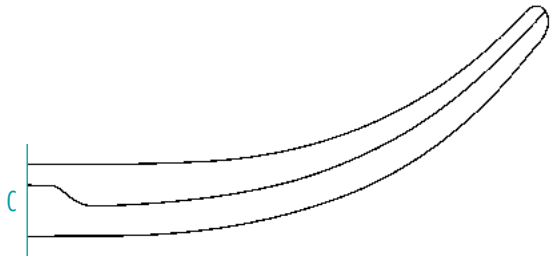
WERTHEIM
Preparation Scissors, curved

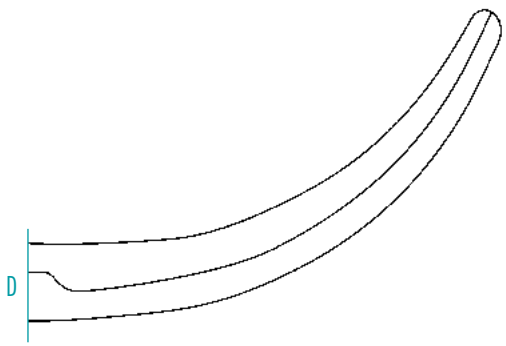
195mm, 7 3/4″	120-053-195
225mm, 8 7/8″	120-053-225











Parametrium Scissors, TC
230mm, 9″

A straight	120-537-001
B slightly curved	120-537-002
C strongly curved	120-537-003
D angled	120-537-004

265mm, 10 1/2″

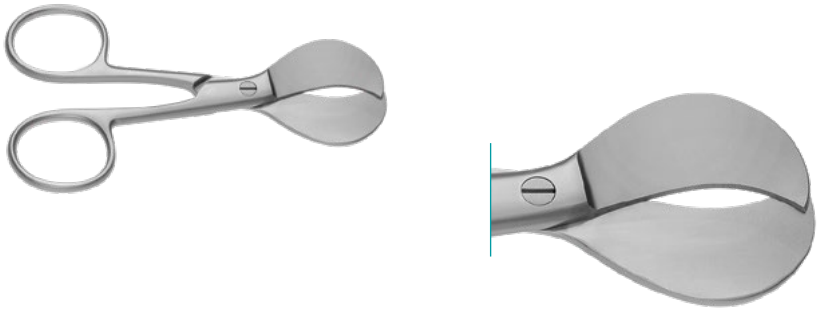
A straight	120-536-001
B slightly curved	120-536-002
C strongly curved	120-536-003
D angled	120-536-004

Parametrium Scissors, TC
305mm, 12″

A straight	120-538-001
B slightly curved	120-538-002
C strongly curved	120-538-003
D angled	120-538-004

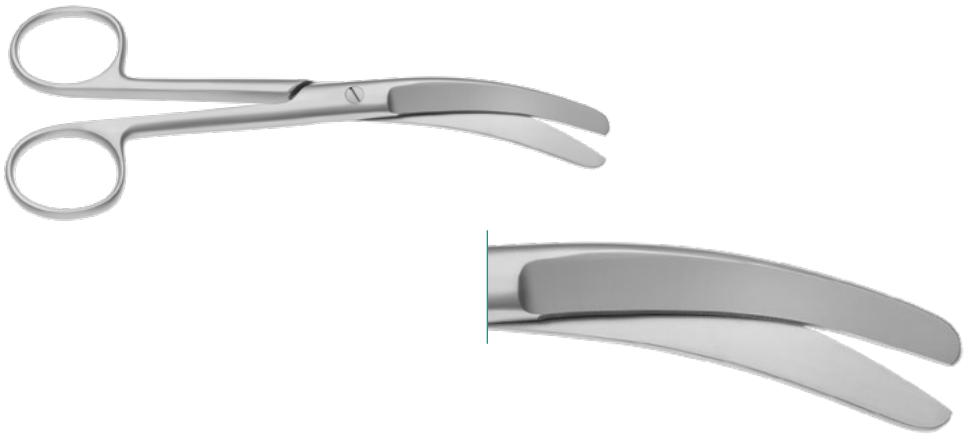
Parametrium Scissors, TC
350mm, 14″

A straight	120-539-001
B slightly curved	120-539-002
C strongly curved	120-539-003
D angled	120-539-004



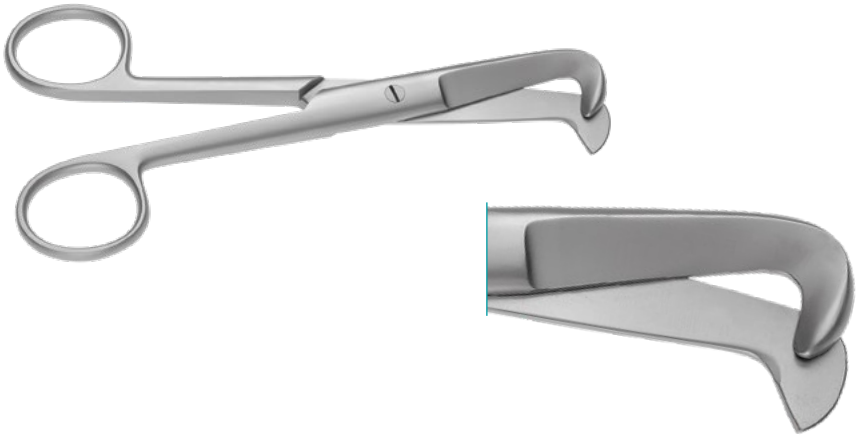
MODEL USA
Umbilical Cord Scissors

105mm, 4 1/3"	120-233-105



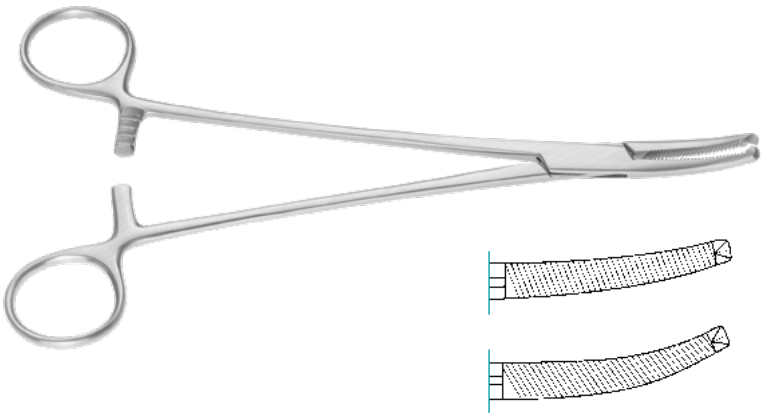
BUSCH
Umbilical Cord Scissors, lateral curved

160mm, 6 1/4"	120-229-160



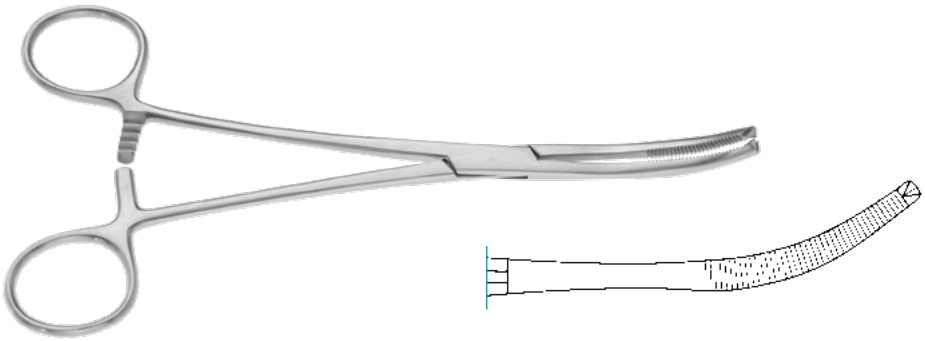
SCHUMACHER
Umbilical Cord Scissors

160mm, 6 1/4"	120-227-160



FAURE
Peritoneal Forceps, 200mm, 8″

Fig. 1 slightly curved	140-551-200
Fig. 2 strongly curved	140-553-200

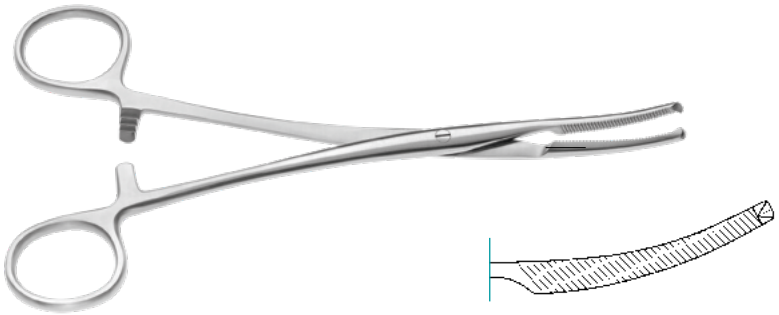


MIKULICZ
Peritoneal Forceps, strongly curved, 1x2 teeth

180mm, 7″	140-549-185
200mm, 8″	140-549-200

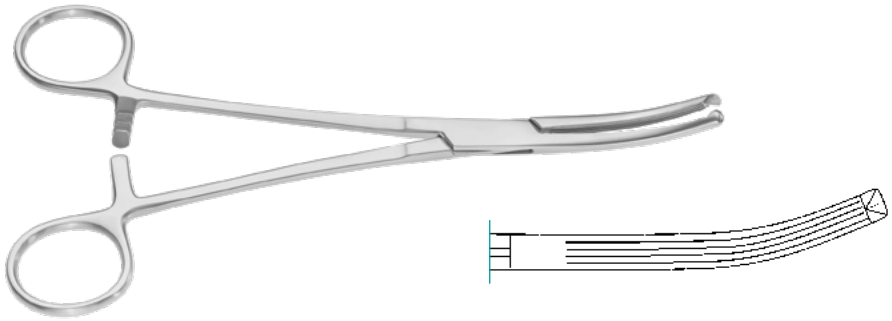
laterally curved, 1x2 teeth

180mm, 7″	140-549-180



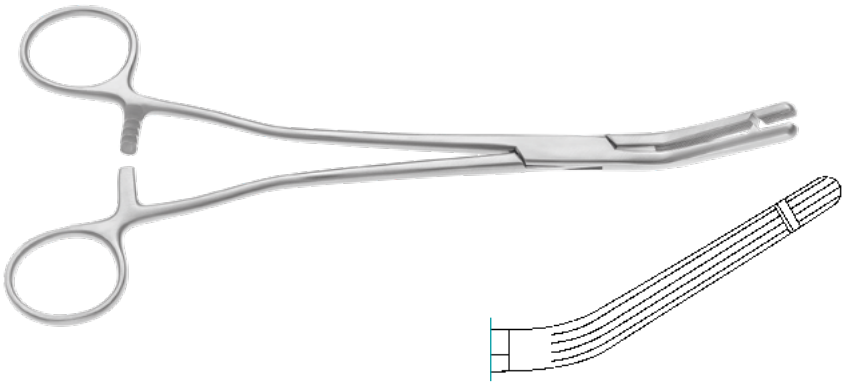
MIKULICZ
Peritoneal Forceps, curved, 1x2 teeth

180mm, 7″	140-548-180
200mm, 8″	140-548-200
245mm, 9 2/3″	140-548-245



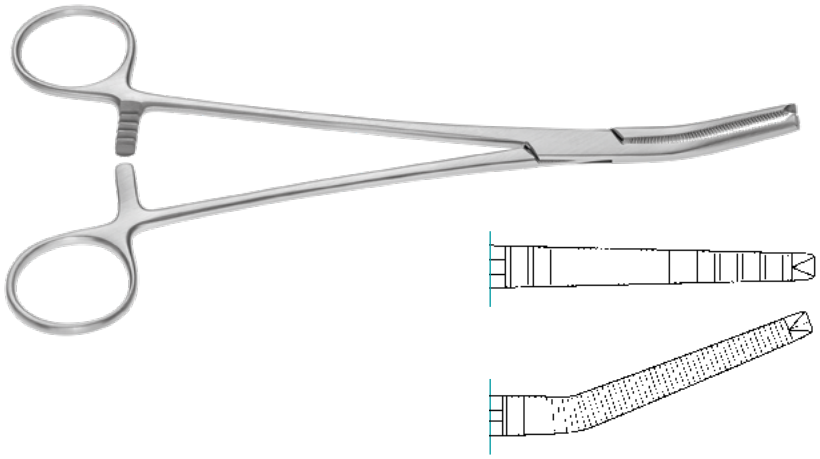
LONG
Hysterectomy Forceps, 1x2 teeth

190mm, 7 1/2"	140-652-190



GARLAND
Hysterectomy Forceps, 1x2 teeth

210mm, 8 1/4"	140-639-210

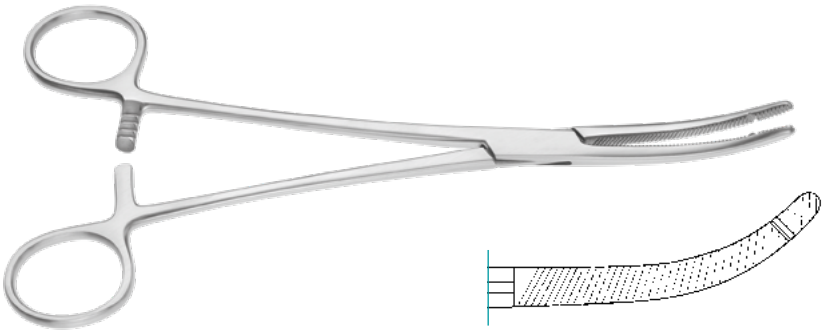


PHANEUF
Peritoneal Forceps, 1x2 teeth,
straight

215mm, 8 1/2"	140-520-210

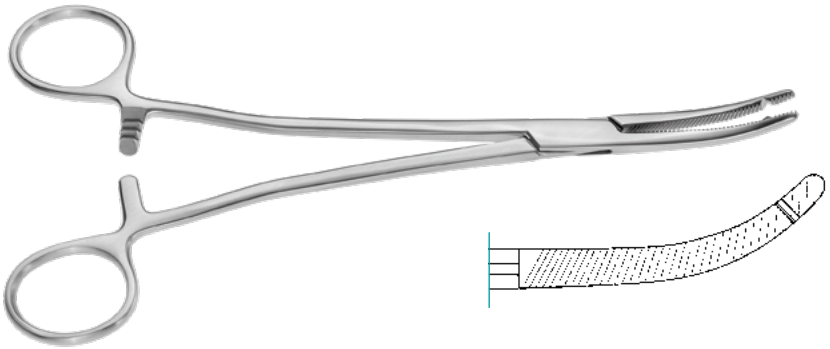
curved

210mm, 8 1/4"	140-521-210



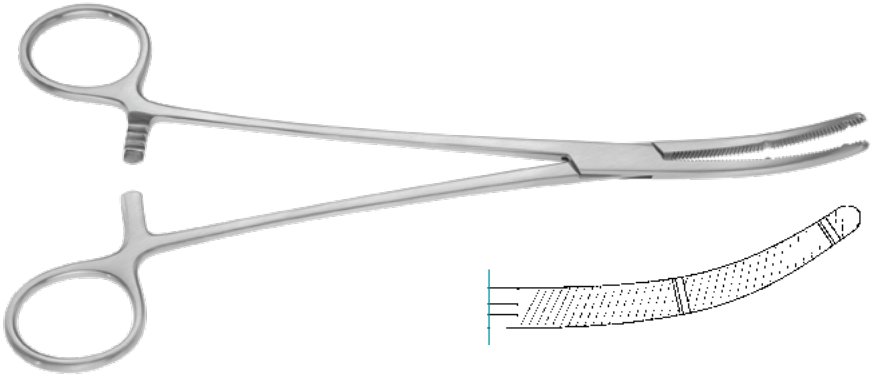
HEANEY
Hysterectomy Forceps, delicate, single tooth, curved

210mm, 8 1/4"	140-612-210



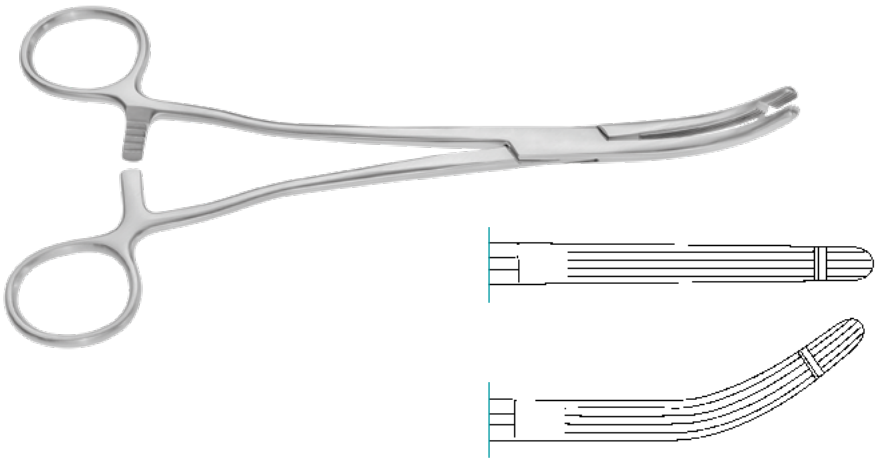
HEANEY
Hysterectomy Forceps, single tooth, curved

210mm, 8 1/4"	140-613-210
230mm, 9"	140-613-230



HEANEY
Hysterectomy Forceps, double tooth, curved

210mm, 8 1/4"	140-615-210
230mm, 9"	140-615-230

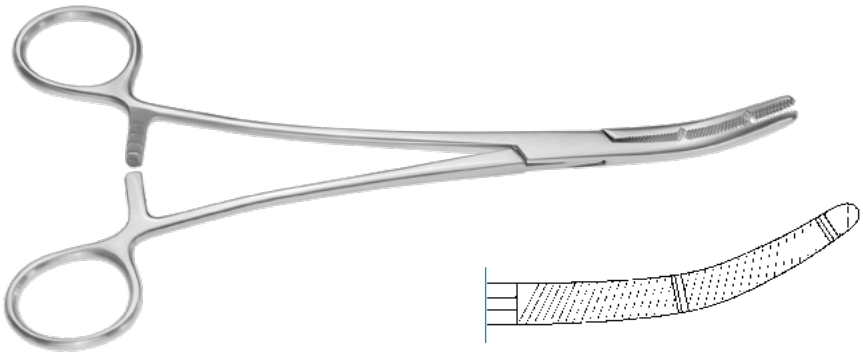


BALLANTINE
Hysterectomy Forceps, straight, single tooth

210mm, 8 1/4"	140-617-210
300mm, 11 7/8"	140-617-300

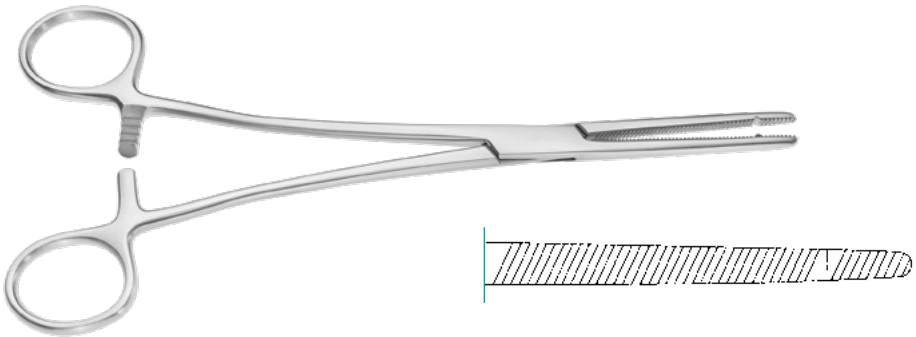
curved

210mm, 8 1/4"	140-618-210



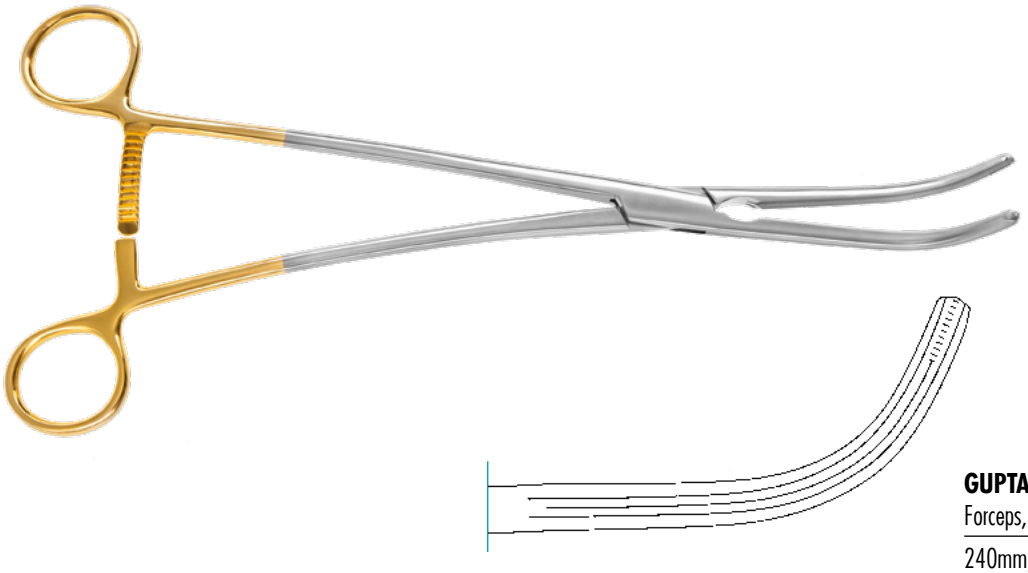
HEANEY KANTER
Hysterectomy Forceps, curved, single tooth

210mm, 8 1/4"	140-619-210



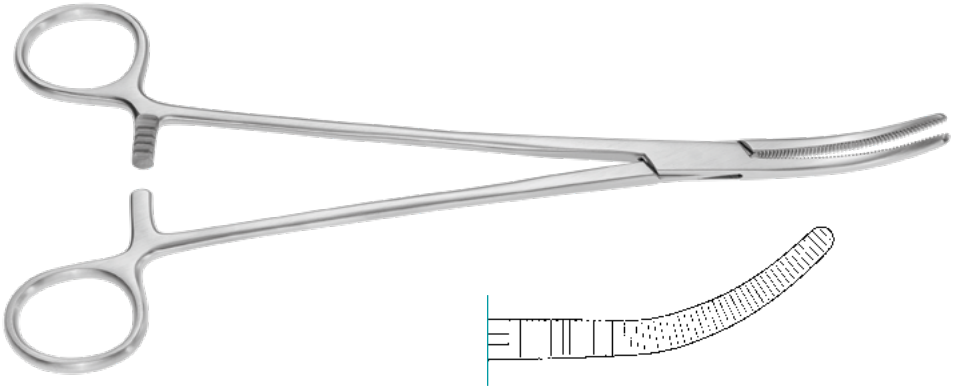
HEANEY REZEK
Hysterectomy Forceps, straight, single tooth

210mm, 8 1/4"	140-627-210



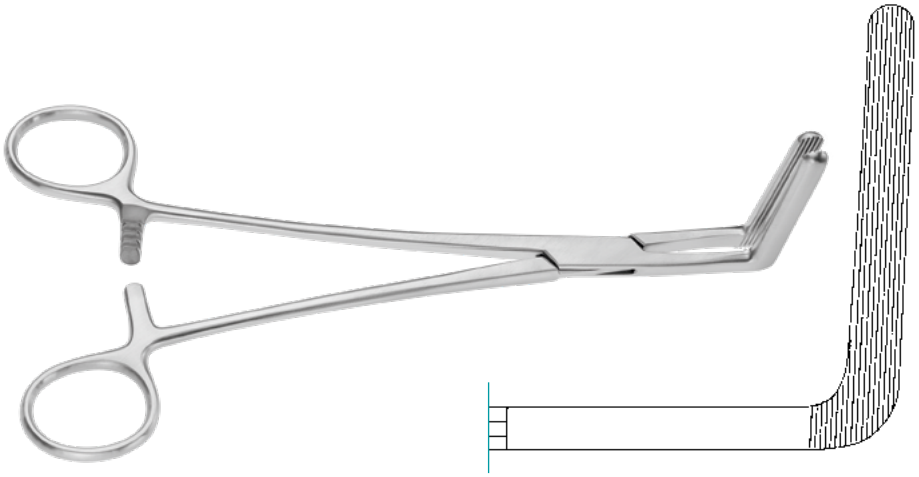
GUPTA FRANK
Forceps, s-curved, 80mm jaw length

240mm, $9^{1/2}$"	140-707-240
270mm, $10^{2/3}$"	140-707-270
320mm, $12^{1/2}$"	140-707-320



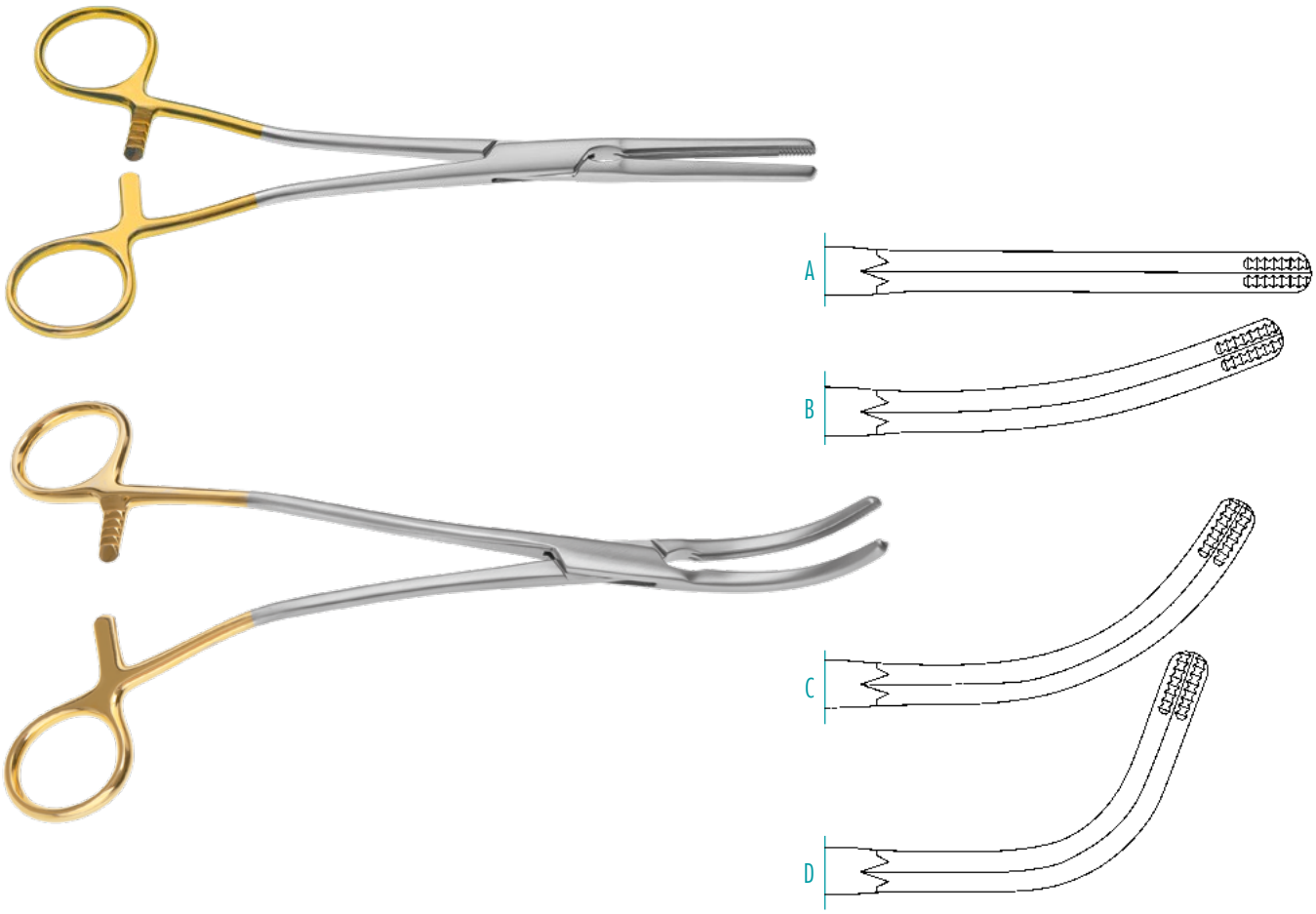
WERTHEIM
Hysterectomy Forceps, serrated, curved

250mm, $9^{7/8}$"	140-697-250



WERTHEIM CULLEN
Hysterectomy Forceps, 90° angled

215mm, $8^{1/2}$"	140-641-215





A Parametrium Forceps, straight

210mm, 8 1/4"	140-700-220
250mm, 9 7/8"	140-700-250
305mm, 12"	140-700-305
355mm, 14"	140-700-350

B slightly curved

210mm, 8 1/4"	140-701-215
240mm, 9 1/2"	140-701-245
305mm, 12"	140-701-305
355mm, 14"	140-701-350

C strongly curved

210mm, 8 1/4"	140-702-210
240mm, 9 1/2"	140-702-245
305mm, 12"	140-702-305
355mm, 14"	140-702-350

D angled

210mm, 8 1/4"	140-703-205
240mm, 9 1/2"	140-703-245
305mm, 12"	140-703-305
355mm, 14"	140-703-350



A straight, angled shanks

210mm, 8 1/4"	141-700-220
240mm, 9 1/2"	141-700-250

B slightly curved, angled shanks

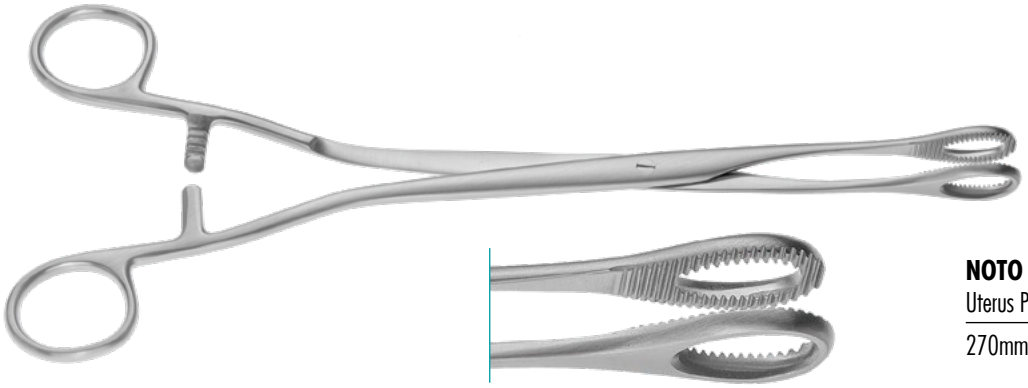
210mm, 8 1/4"	141-701-215
240mm, 9 1/2"	141-701-245

C strongly curved, angled shanks

210mm, 8 1/4"	141-702-210
240mm, 9 1/2"	141-702-245

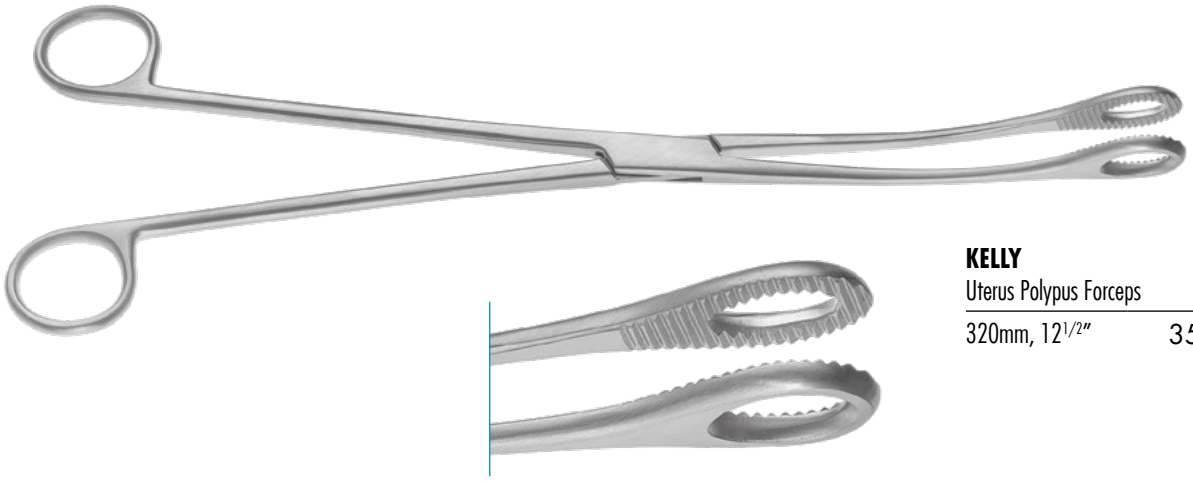
D angled, angled shanks

210mm, 8 1/4"	141-703-210
245mm, 9 2/3"	141-703-245



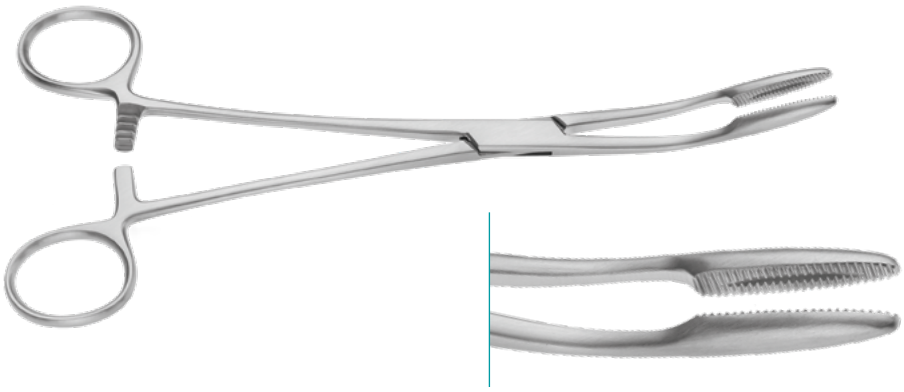
NOTO
Uterus Polypus Forceps

270mm, $10^{2/3}$″	350-492-270



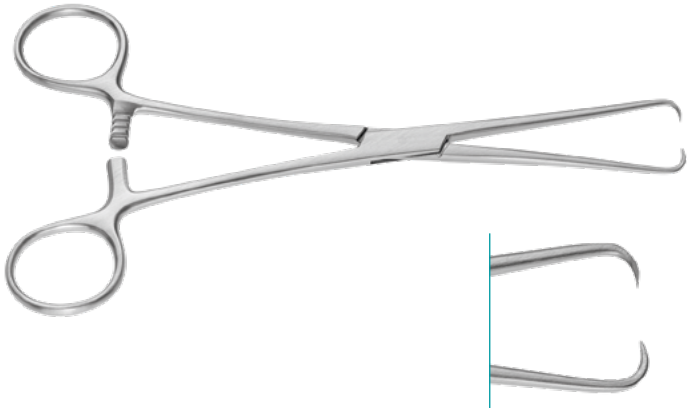
KELLY
Uterus Polypus Forceps

320mm, $12^{1/2}$″	350-490-320



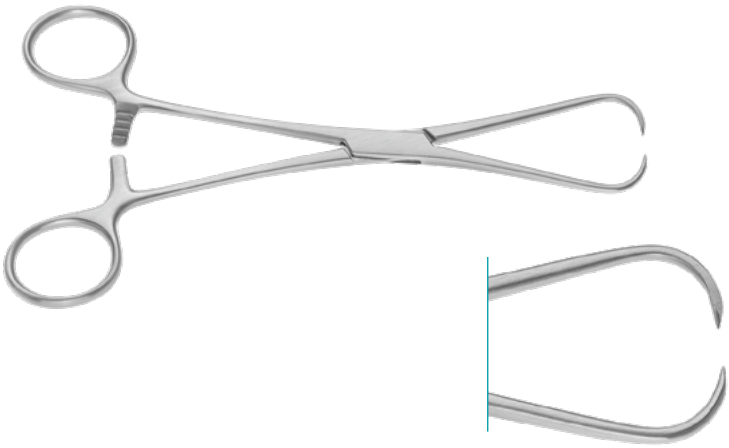
GROSS MAIER
Swab Forceps, curved

220mm, $8^{2/3}$″	150-031-220



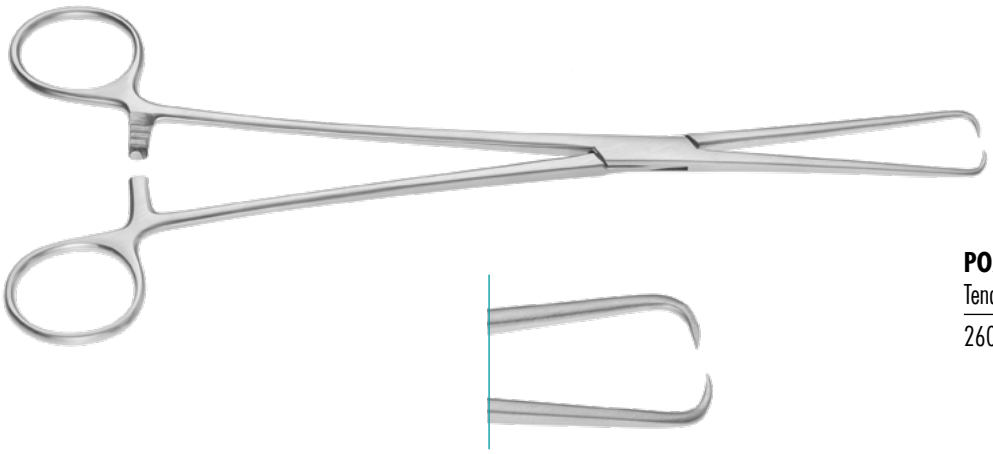
BARRETT
Tenaculum Forceps

180mm, 7″	350-426-180



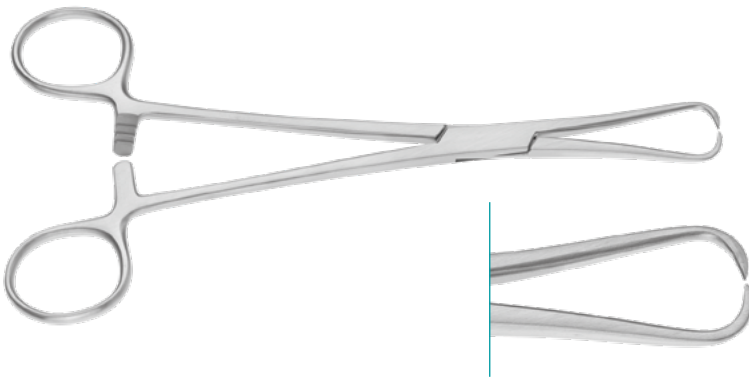
STAUDE MOORE
Tenaculum Forceps

170mm, 6 2/3″	350-422-170



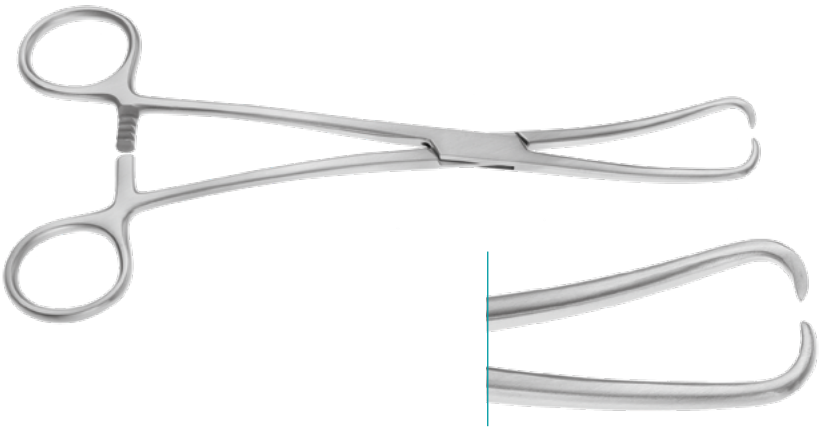
POZZI
Tenaculum Forceps

260mm, 10 1/4″	350-420-260



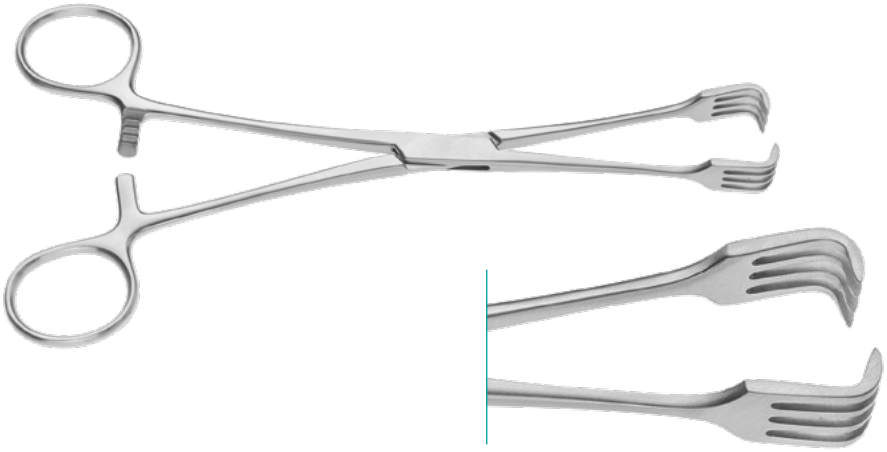
ADAIR
Tenaculum Forceps

190mm, 7 1/2"	350-426-190



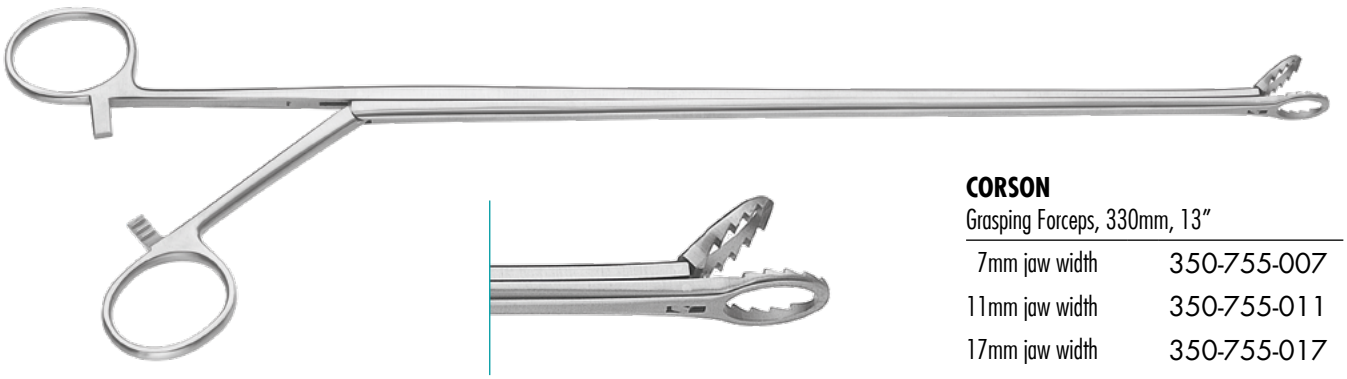
JARCHO
Tenaculum Forceps

200mm, 8"	350-427-200



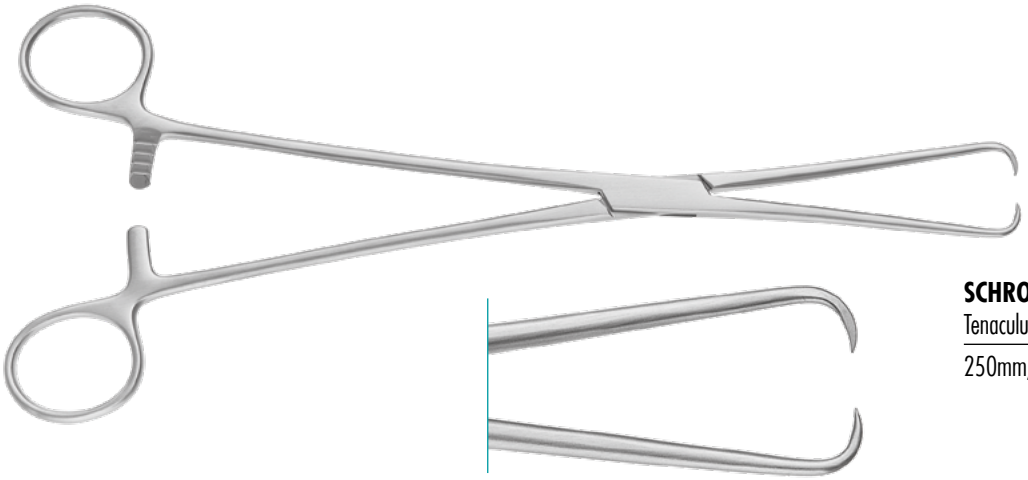
CZERNY
Tenaculum Forceps, straight

205mm, 8 1/8"	350-480-205



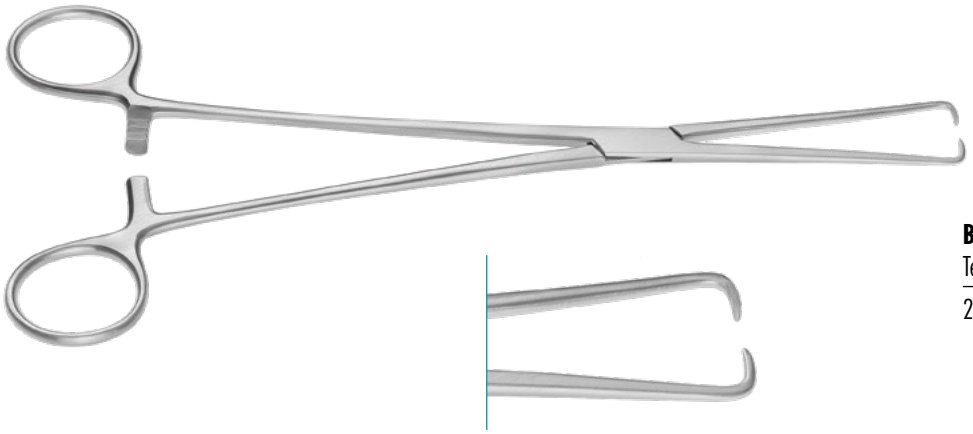
CORSON
Grasping Forceps, 330mm, 13"

7mm jaw width	350-755-007
11mm jaw width	350-755-011
17mm jaw width	350-755-017



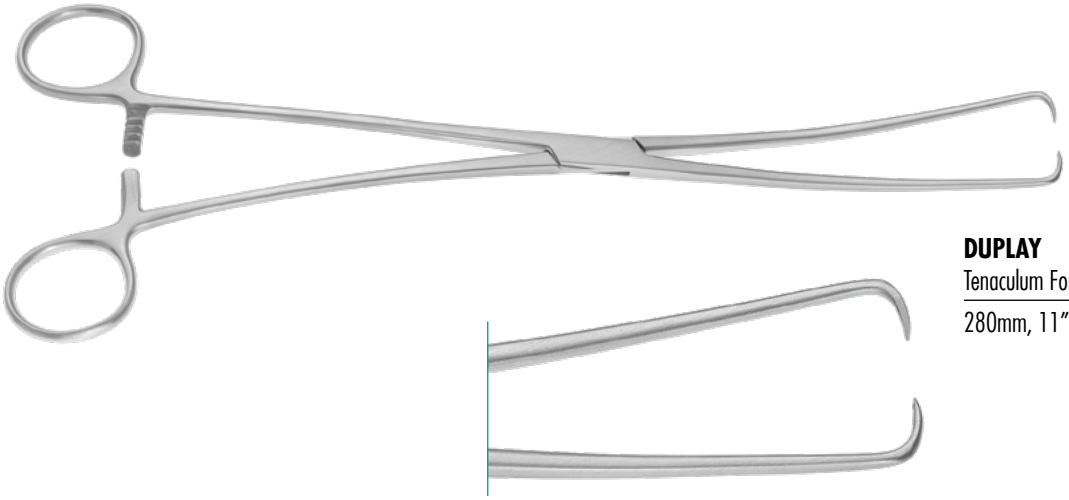
SCHROEDER
Tenaculum Forceps

250mm, 9 7/8"	350-400-250



BRAUN
Tenaculum Forceps

250mm, 9 7/8"	350-410-250



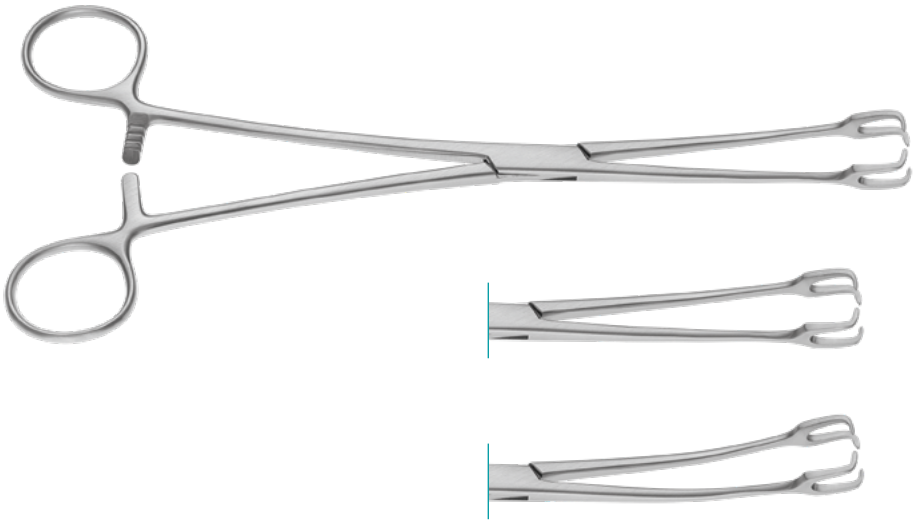
DUPLAY
Tenaculum Forceps

280mm, 11"	350-428-280



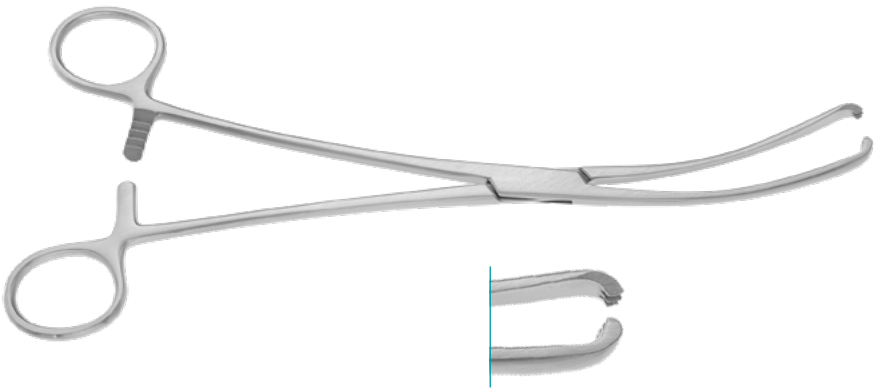
HULKA
Uterine Manipulator Tenaculum Forceps

290mm, 11 1/2"	350-302-290



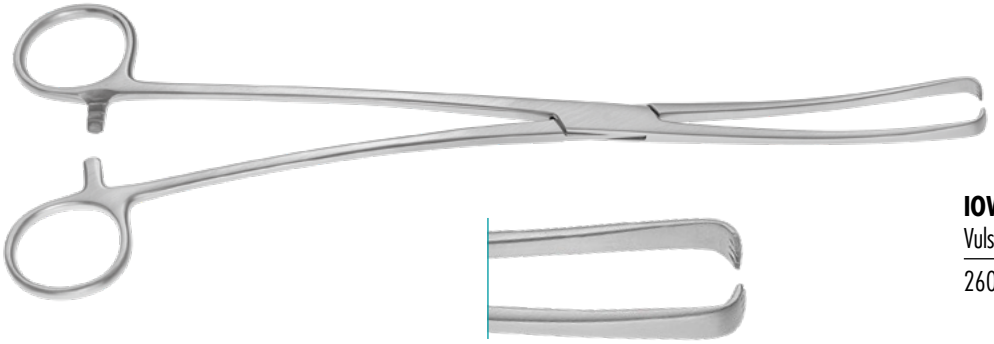
SCHROEDER
Tenaculum Forceps, 2 teeth, 240mm, 9 1/2"

straight	350-440-240
curved	350-441-240



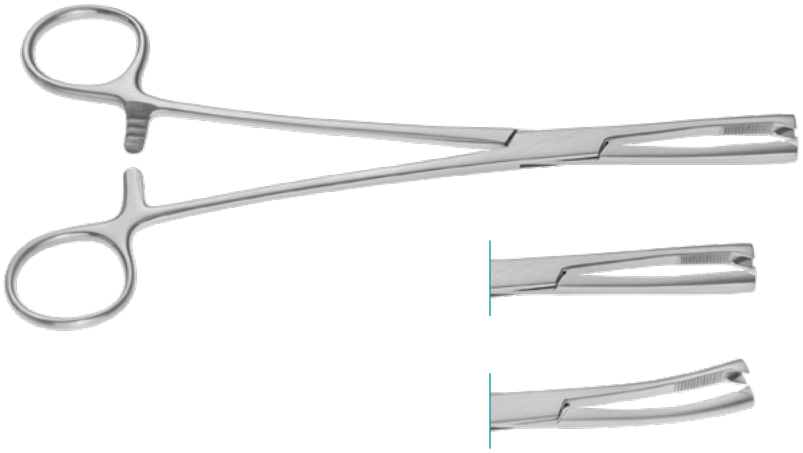
TEALE
Tenaculum Forceps, laterally curved, 3x4 teeth

230mm, 9"	350-443-230



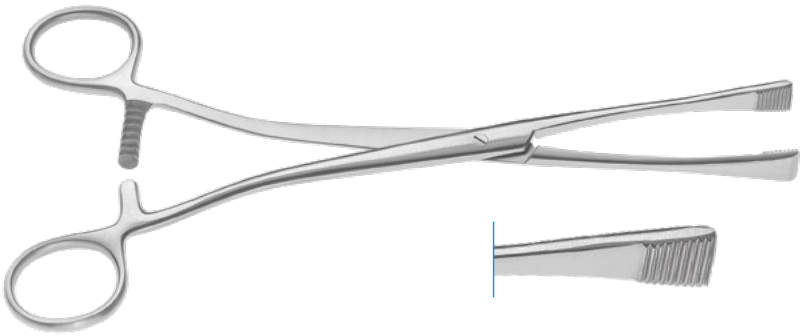
IOWA
Vulsellum Forceps

260mm, 10 1/4"	350-445-260



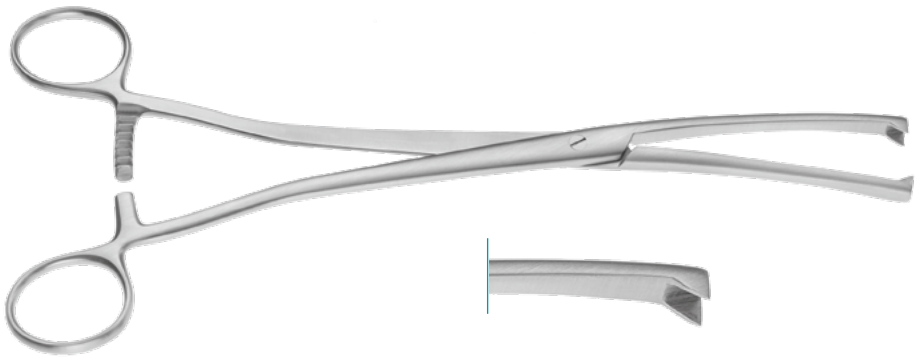
JACOBS
Tenaculum Forceps, 2x2 teeth, 210mm, 8 1/4"

straight	350-470-210
curved	350-471-210



GREEN ARMYTAGE
Caesarean Forceps, straight,
15mm wide serrated jaw

210mm, 8 1/4"	340-150-210



MUSEUX
Forceps, 2x2 teeth, 8mm jaw
240mm, 9 1/2" working length

straight	350-452-240
curved	350-453-240
10mm jaw	
straight	350-454-240
curved	350-455-240



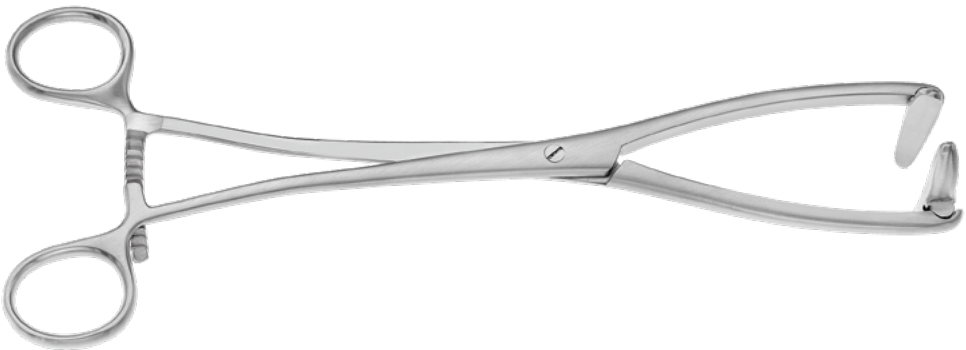
DARTIGUES
Uterine Elevating Forceps

270mm, $10^{2/3}$″	350-493-270



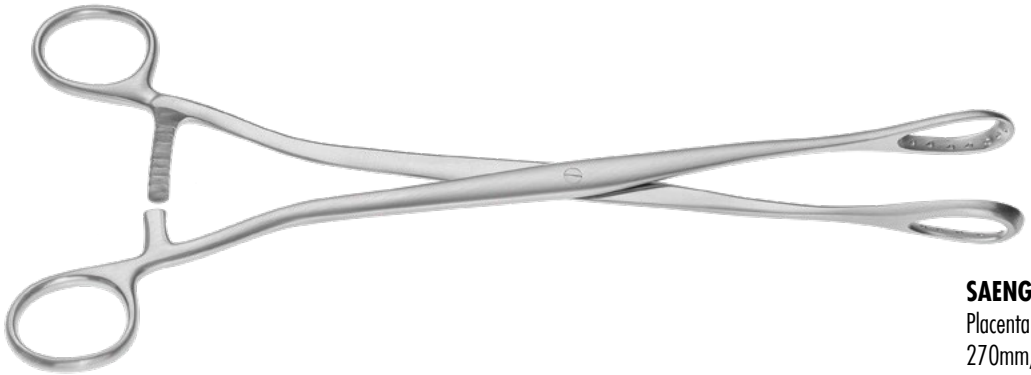
SOMER
Uterine Elevating Forceps

230mm, 9″	350-493-230



COLLIN
Uterine Forceps

250mm, $9^{7/8}$″	350-493-250



SAENGER
Placenta and Ovum Forceps,
270mm, $10^{2/3}$"

straight	340-798-270
curved	340-799-270

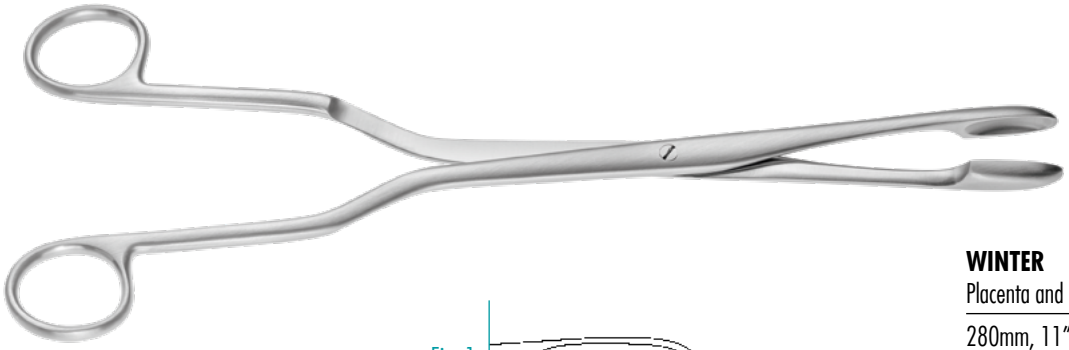


Fig. 1

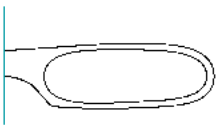
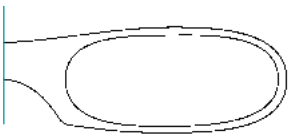


Fig. 2



WINTER
Placenta and Ovum Forceps, Fig. 2

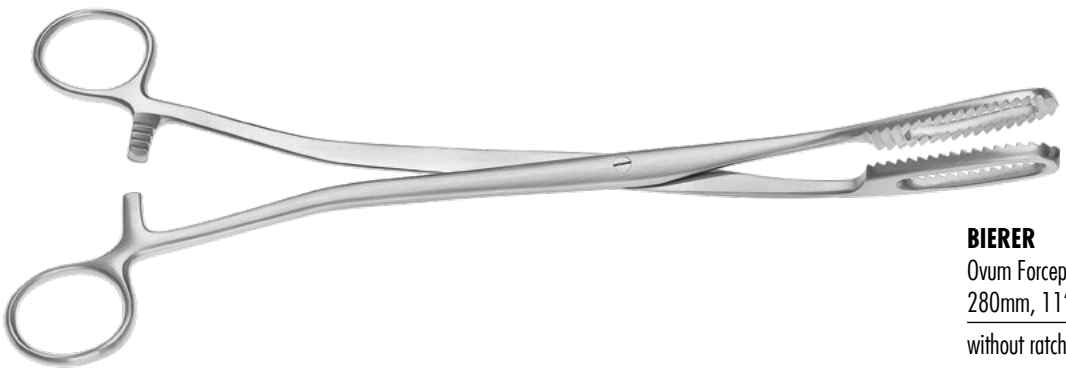
280mm, 11"	340-799-280

Placenta and Ovum Forceps, 280mm, 11"

Fig. 1	340-800-280
Fig. 2	340-802-280

Fig. 1 curved

280mm, 11"	340-801-280



BIERER
Ovum Forceps, curved, 16mm jaw,
280mm, 11"

without ratchet	350-496-330
with ratchet	350-497-330



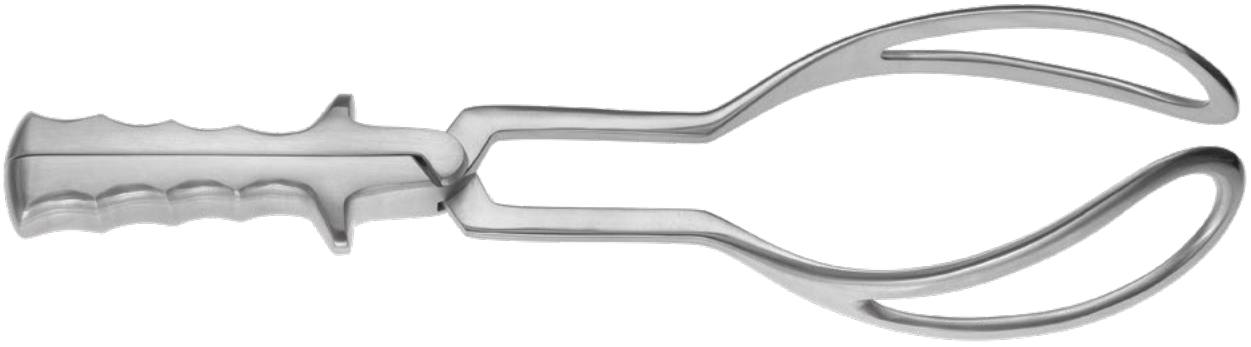
WRIGLEY
Obstetrical Forceps

280mm, 11″	340-011-280



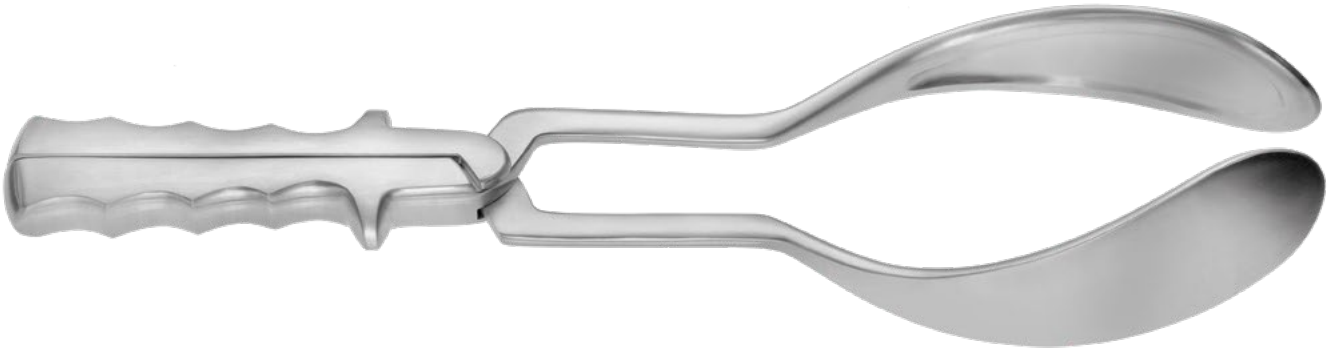
SIMPSON
Obstetrical Forceps

300mm, 11 7/8″	340-013-300



SIMPSON BRAUN
Obstetrical Forceps

330mm, 13″	340-012-330
360mm, 14″	340-012-360



SIMPSON LUIKART
Obstetrical Forceps

360mm, 14″	340-029-360



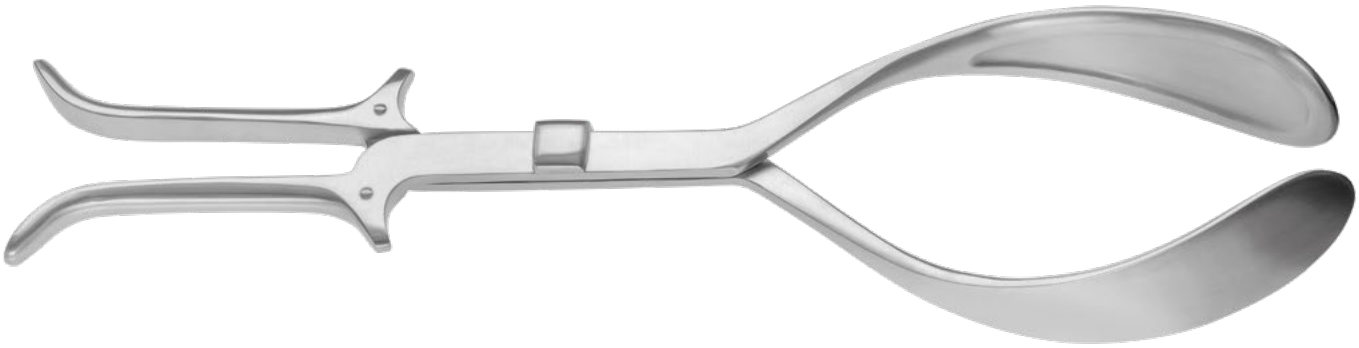
DE LEE
Obstetrical Forceps

300mm, 11 7/8″	340-018-300
360mm, 14″	340-018-360



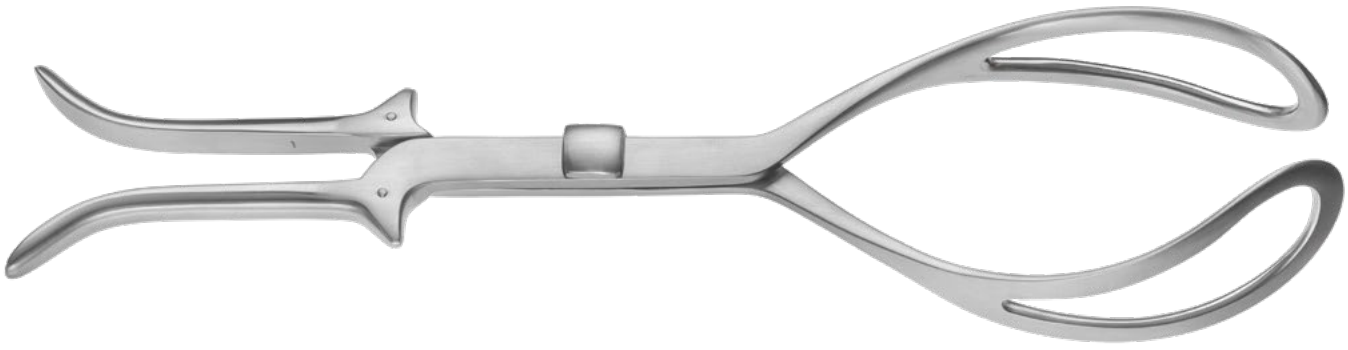
ELLIOT
Obstetrical Forceps

380mm, 15″	340-025-380



KIELLAND LUIKART
Obstetrical Forceps

400mm, 15 3/4″	340-016-400



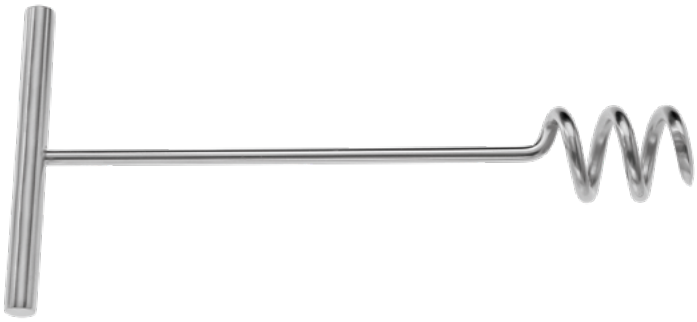
KIELLAND
Obstetrical Forceps

410mm, 16 1/8″	340-014-410



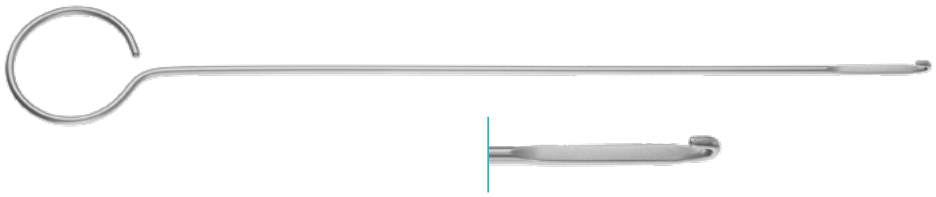
DOYEN
Myoma screw

170mm working length	350-757-190



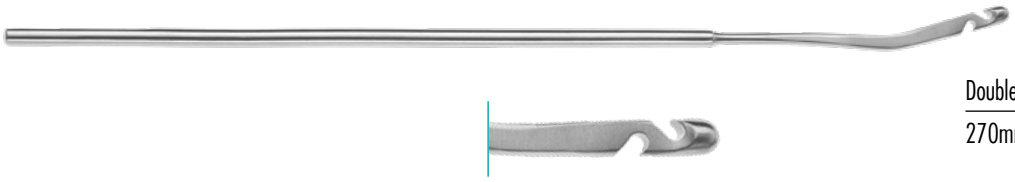
DOYEN
Myoma screw

170mm working length	350-759-170



Simple IUD hook with ring handle, malleable

250mm, 9 7/8"	350-766-001



Double IUD Extractor

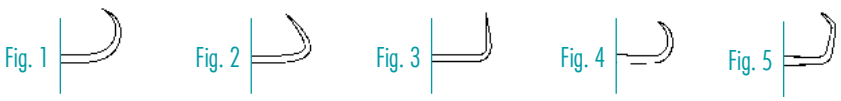
270mm, 10 2/3"	350-766-010



SAUNDERS
IUD Removing Hook

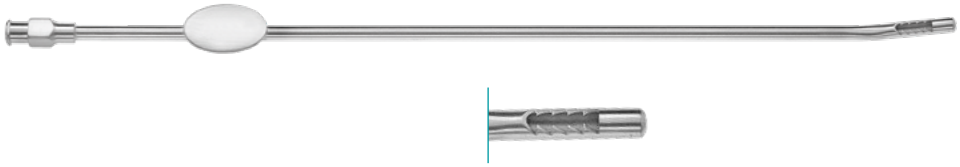
250mm, 9 7/8"	350-766-100





EMMET
Fistula Hook, 220mm, 8 2/3"

Fig. 1	350-765-001
Fig. 2	350-765-002
Fig. 3	350-765-003
Fig. 4	350-765-004
Fig. 5	350-765-005



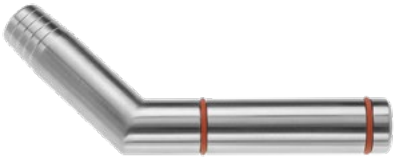
NOVAK

Biopsy Curette, 250mm, $9^{7/8}$″

Ø 1mm	350-601-230
Ø 2mm	350-602-230
Ø 3mm	350-603-230
Ø 4mm	350-604-230



A



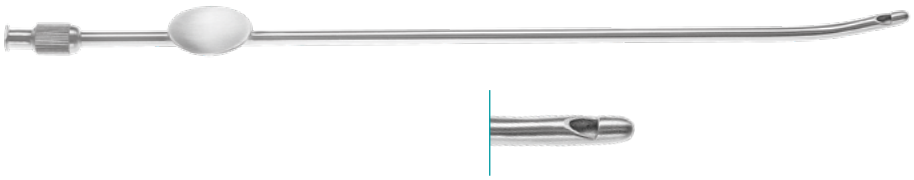
B

A Aspirating Curette, 290mm, $11^{1/2}$″

3.0mm	350-650-030
4.5mm	350-650-045
6.0mm	350-650-060
8.0mm	350-650-080
10.0mm	350-650-100
12.0mm	350-650-120
14.0mm	350-650-140

B Coupling Piece

	350-650-000



RANDALL
Suction Biopsy Curette, 240mm, $9^{1/2}$″

∅ 4mm	350-602-240







KEVORKIAN
Suction Biopsy Curette, ∅ 4mm, without basket, rigid

300mm, $11^{7/8}$″	350-599-300

with basket, rigid

300mm, $11^{7/8}$″	350-600-300

with basket, malleable

300mm, $11^{7/8}$″	350-601-300





MOD. MÜNCHEN
Suction Biopsy Curette, ∅ 4mm

270mm, $10^{2/3}$″	350-605-270



BEACHAM
Amniotome

260mm, 10 1/4"	350-429-260



BRAUN
Uterine Depressor

280mm, 11"	350-399-280



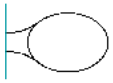
Fig. 1 

Fig. 2 

Fig. 3 

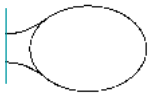
Fig. 4 

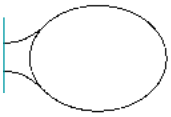
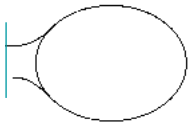
Fig. 5 

Fig. 6 

SIMON
Uterine Scoop, sharp, 240mm, $9^{1/2}$″

Fig. 1, 7.0mm	350-610-001
Fig. 2, 8.5mm	350-610-002
Fig. 3, 9.5mm	350-610-003
Fig. 4, 11.5mm	350-610-004
Fig. 5, 13.0mm	350-610-005
Fig. 6, 14.5mm	350-610-006



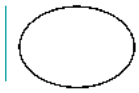
Fig. 1 

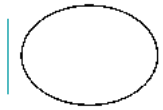
Fig. 2 

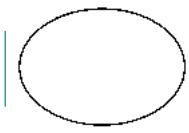
Fig. 3 

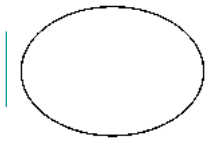
Fig. 4 

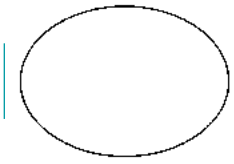
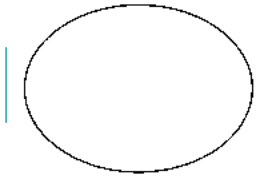
Fig. 5 

Fig. 6 

SCHROEDER
Uterine Scoop, sharp, 300mm, $11^{7/8}$″

Fig. 1, 6.8mm	350-612-001
Fig. 2, 8.5mm	350-612-002
Fig. 3, 10.0mm	350-612-003
Fig. 4, 11.5mm	350-612-004
Fig. 5, 13.0mm	350-612-005
Fig. 6, 14.5mm	350-612-006



Fig. 1

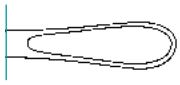


Fig. 2

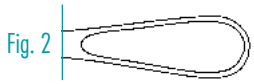


Fig. 3

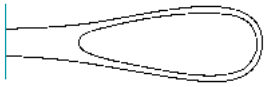


Fig. 4

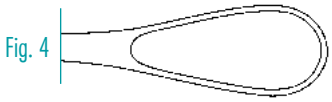


Fig. 5



GOURDET

Uterine Scoop, blunt, 280mm, 11"

Fig. 1, 6mm	350-613-006
Fig. 2, 8mm	350-613-008
Fig. 3, 10mm	350-613-010
Fig. 4, 12mm	350-613-012
Fig. 5, 14mm	350-613-014





THOMAS

Uterus Curette, malleable, blunt, 280mm, 11"

Fig. 1, Ø 10mm	350-919-001
Fig. 2, Ø 11mm	350-919-002
Fig. 3, Ø 12mm	350-919-003
Fig. 4, Ø 13mm	350-919-004
Fig. 5, Ø 14mm	350-919-005
Fig. 6, Ø 15mm	350-919-006





SIMS

Uterus Curette, 285mm, 11 1/4"	Fig. 00, 5mm	Fig. 0, 6mm	Fig. 1, 7mm	Fig. 2, 8mm
rigid, sharp	350-630-005	350-630-006	350-630-007	350-630-008
rigid, blunt	350-926-050	350-926-060	350-926-070	350-926-080
malleable, sharp	350-631-005	350-631-006	350-631-007	350-631-008
malleable, blunt	350-927-050	350-927-060	350-927-070	350-927-080

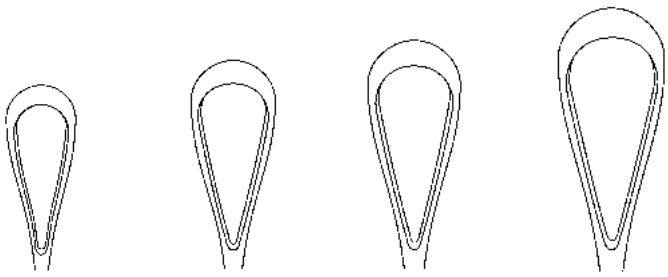


	Fig. 3, 9mm	Fig. 4, 11mm	Fig. 5, 12mm	Fig. 6, 14mm
rigid, sharp	350-630-009	350-630-011	350-630-012	350-630-014
rigid, blunt	350-926-090	350-926-110	350-926-120	350-926-140
malleable, sharp	350-631-009	350-631-011	350-631-012	350-631-014
malleable, blunt	350-927-090	350-927-110	350-927-120	350-927-140

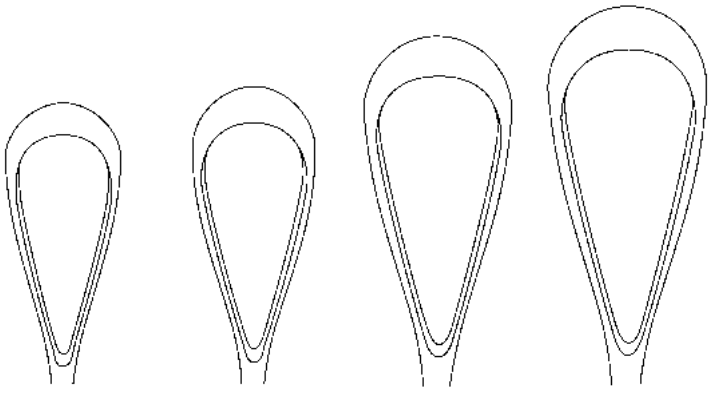
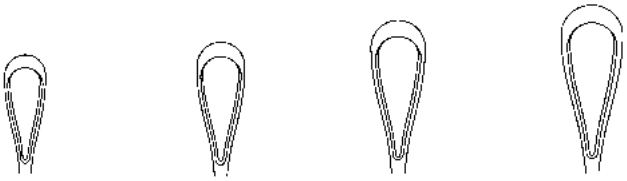


	Fig. 7, 15mm	Fig. 8, 16mm	Fig. 9, 19mm	Fig. 10, 20mm
rigid, sharp	350-630-015	350-630-016	350-630-019	350-630-020
rigid, blunt	350-926-150	350-926-160	350-926-190	350-926-200
malleable, sharp	350-631-015	350-631-016	350-631-019	350-631-020
malleable, blunt	350-927-150	350-927-160	350-927-190	350-927-200





RECAMIER

Uterus Curette, 310mm, 12 1/4"	Fig. 00, 5mm	Fig. 0, 6mm	Fig. 1, 7mm	Fig. 2, 8mm
rigid, sharp	350-620-005	350-620-006	350-620-007	350-620-008
rigid, blunt	350-619-005	350-619-006	350-619-007	350-619-008
malleable, sharp	350-621-005	350-621-006	350-621-007	350-621-008
malleable, blunt	350-622-005	350-622-006	350-622-007	350-622-008

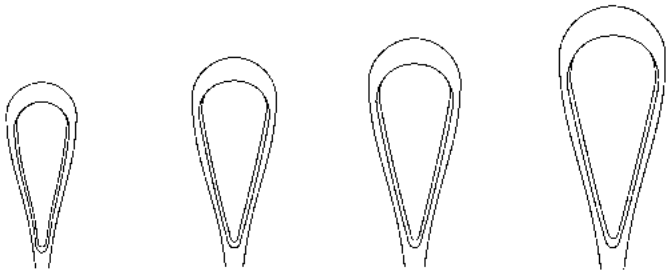


	Fig. 3, 9mm	Fig. 4, 11mm	Fig. 5, 12mm	Fig. 6, 14mm
rigid, sharp	350-620-009	350-620-011	350-620-012	350-620-014
rigid, blunt	350-619-009	350-619-011	350-619-012	350-619-014
malleable, sharp	350-621-009	350-621-011	350-621-012	350-621-014
malleable, blunt	350-622-009	350-622-011	350-622-012	350-622-014

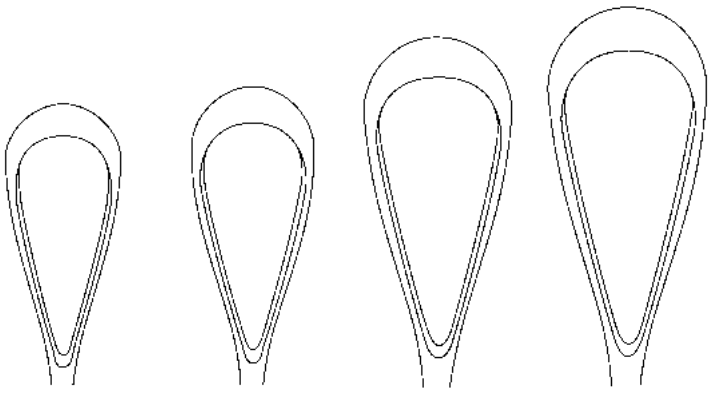
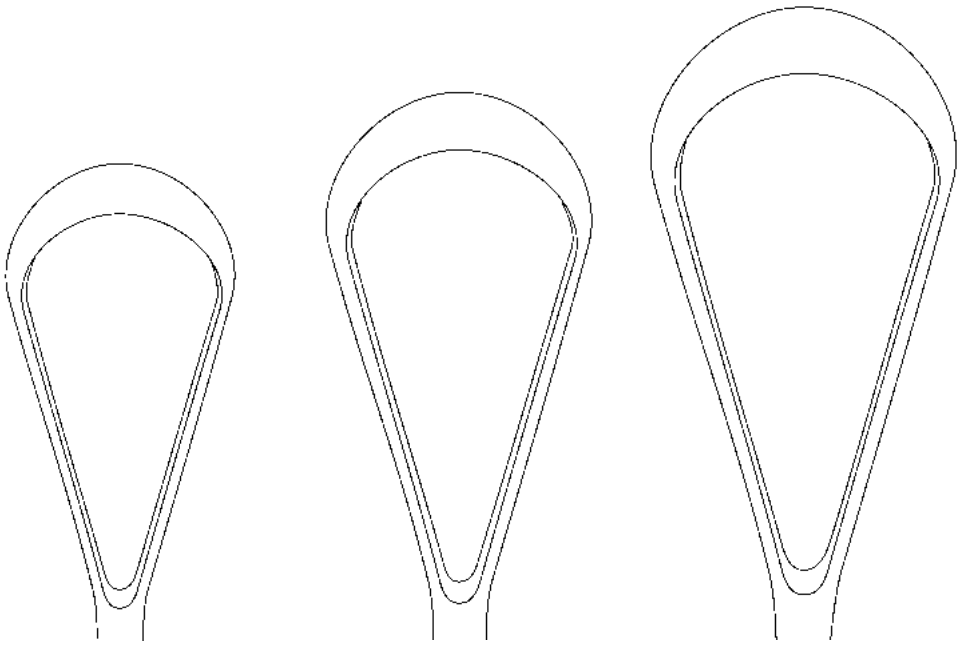


	Fig. 7, 15mm	Fig. 8, 16mm	Fig. 9, 19mm	Fig. 10, 20mm
rigid, sharp	350-620-015	350-620-016	350-620-019	350-620-020
rigid, blunt	350-619-015	350-619-016	350-619-019	350-619-020
malleable, sharp	350-621-015	350-621-016	350-621-019	350-621-020
malleable, blunt	350-622-015	350-622-016	350-622-019	350-622-020

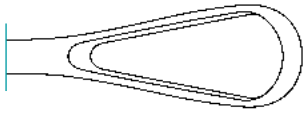


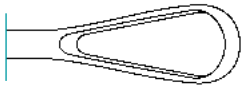


BUMM

Uterus Curette, 300mm, $11^{7/8}$″	Fig. 1, 30mm	Fig. 2, 35mm	Fig. 3, 40mm
rigid, sharp	350-920-300	350-920-350	350-920-400
rigid, blunt	350-926-300	350-926-350	350-926-400
malleable, sharp	350-928-300	350-928-350	350-928-400
malleable, blunt	350-929-300	350-929-350	350-929-400





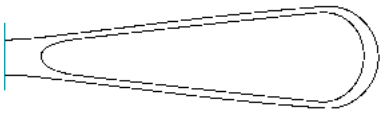


BLAKE

Biopsy Curette, sharp/blunt

270mm, $10^{2/3}$″	350-614-270

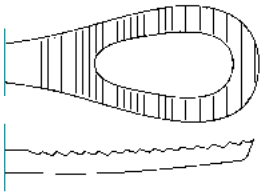




WALLICH
Placenta / Ovum Scoop

420mm, 16 1/2"	340-510-420





PESTALOZZA
Uterus Curette

300mm, 11 7/8"	340-500-300





GREENE
Uterus Curette, 280mm, 11"

10mm	350-365-010
12mm	350-365-012
14mm	350-365-014





MILAN
Curette

290mm, 11 1/2"	350-605-007



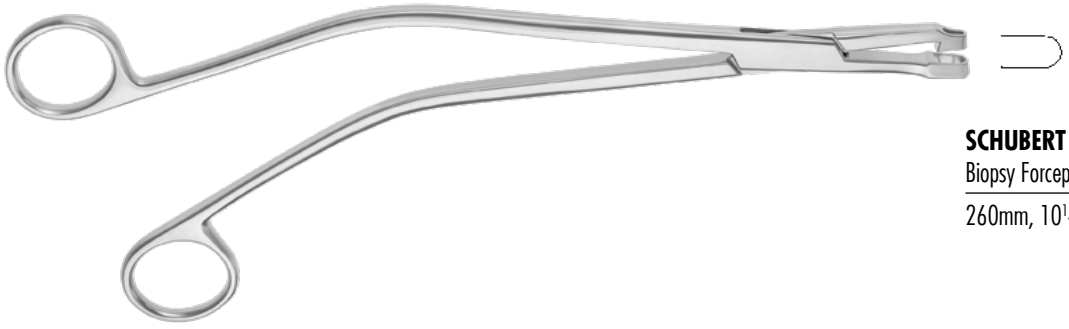
FAURE
Biopsy Forceps

210mm, 8 1/4"	350-843-210



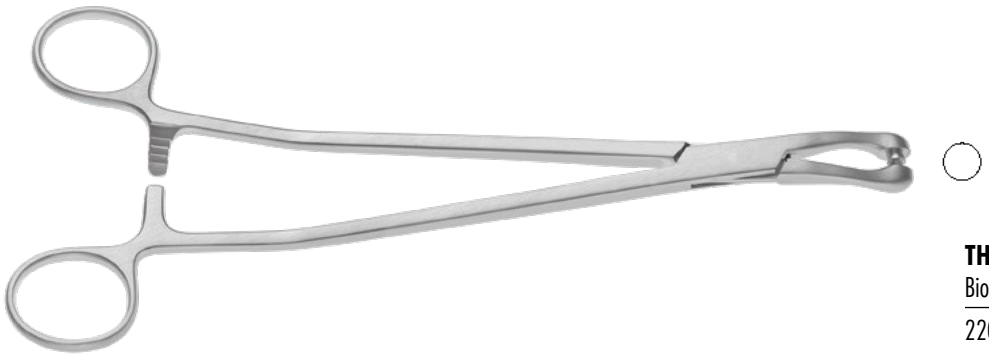
SCHUBERT
Biopsy Forceps

210mm, 8 1/4"	350-844-210
290mm, 11 1/2"	350-844-290



SCHUBERT
Biopsy Forceps

260mm, 10 1/4"	350-847-260



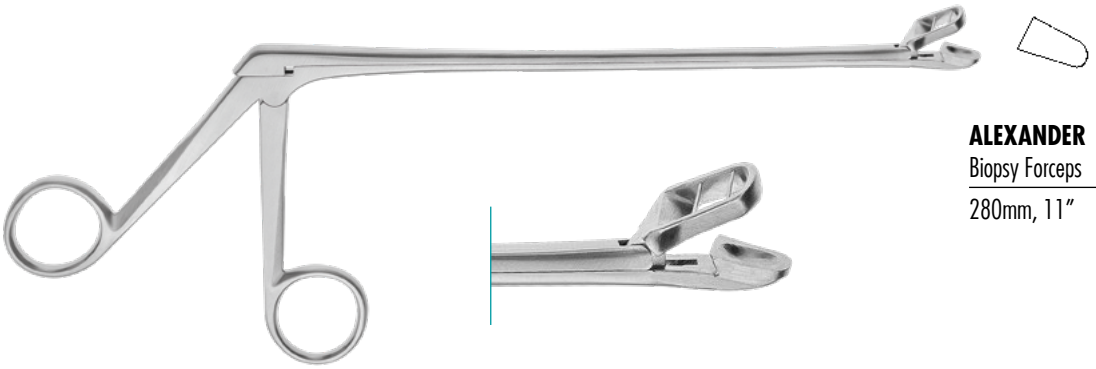
THOMS GAYLOR
Biopsy Forceps, curved

220mm, 8 2/3"	350-857-220
240mm, 9 1/2"	350-857-240



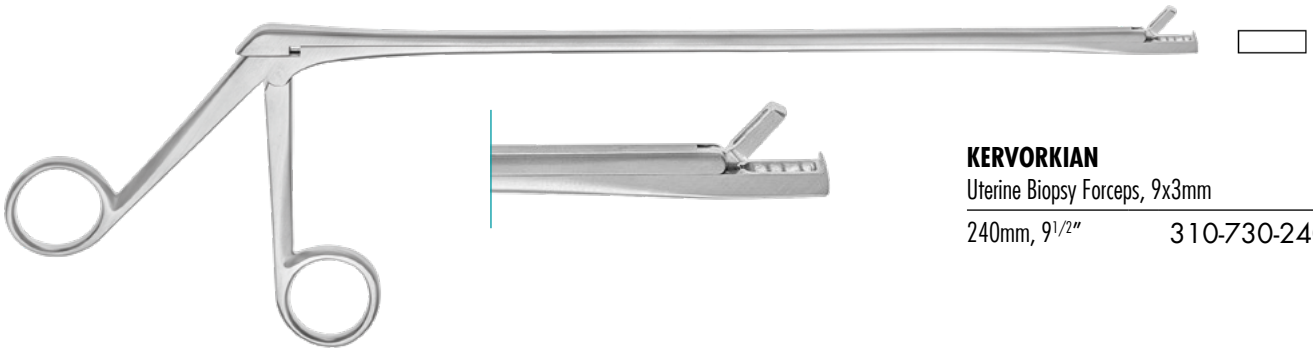
VAN DOREN
Biopsy Forceps

267mm, 10 1/2"	350-855-267



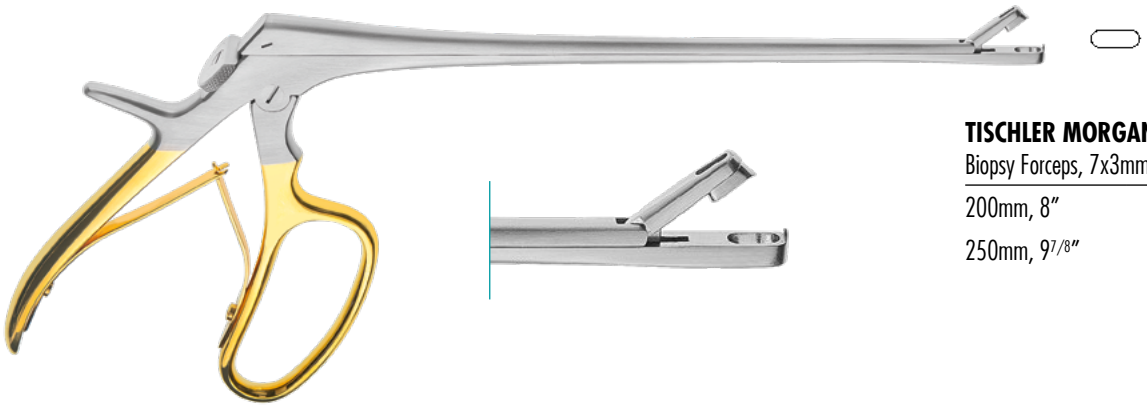
ALEXANDER
Biopsy Forceps

280mm, 11"	310-735-280



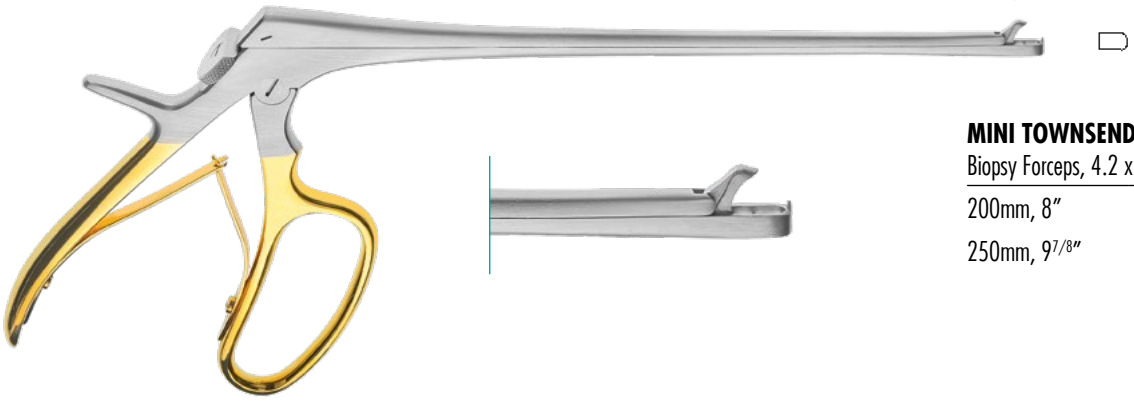
KERVORKIAN
Uterine Biopsy Forceps, 9x3mm

240mm, 9 1/2"	310-730-240



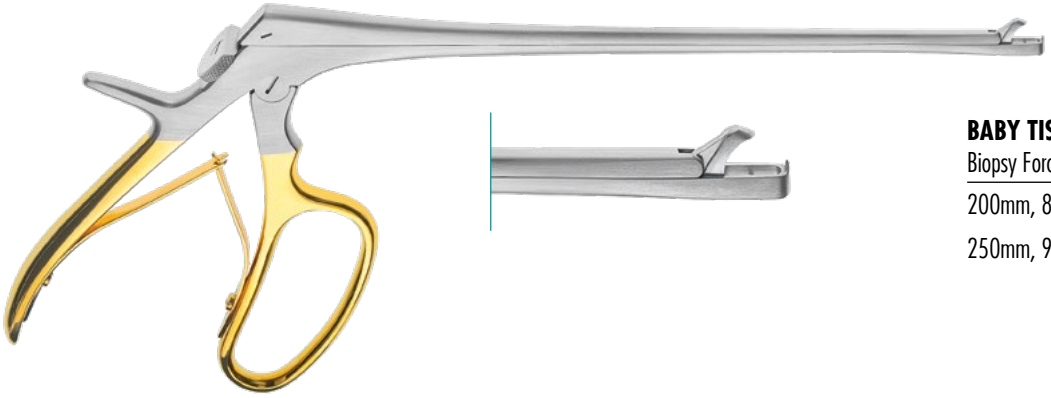
TISCHLER MORGAN
Biopsy Forceps, 7x3mm

200mm, 8"	310-733-001
250mm, 9 7/8"	310-735-001



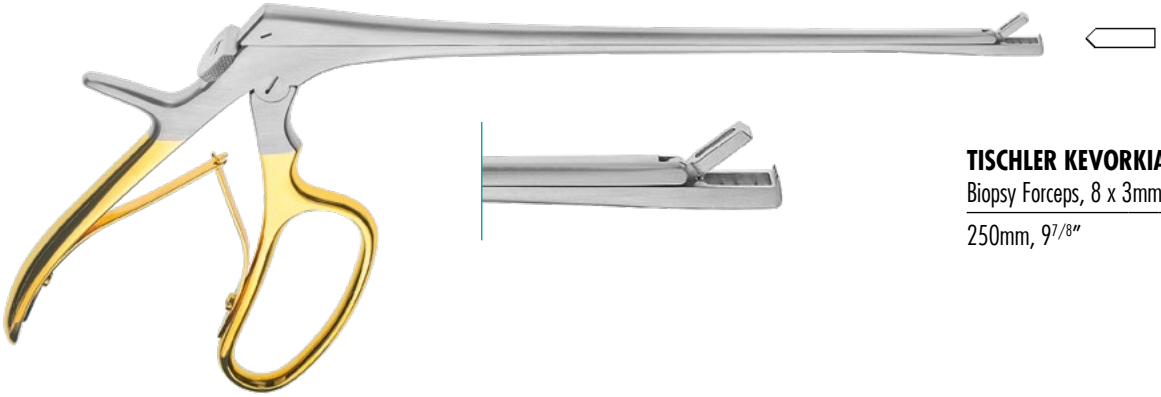
MINI TOWNSEND
Biopsy Forceps, 4.2 x 2.3mm jaw

200mm, 8"	310-733-002
250mm, 9 7/8"	310-735-002



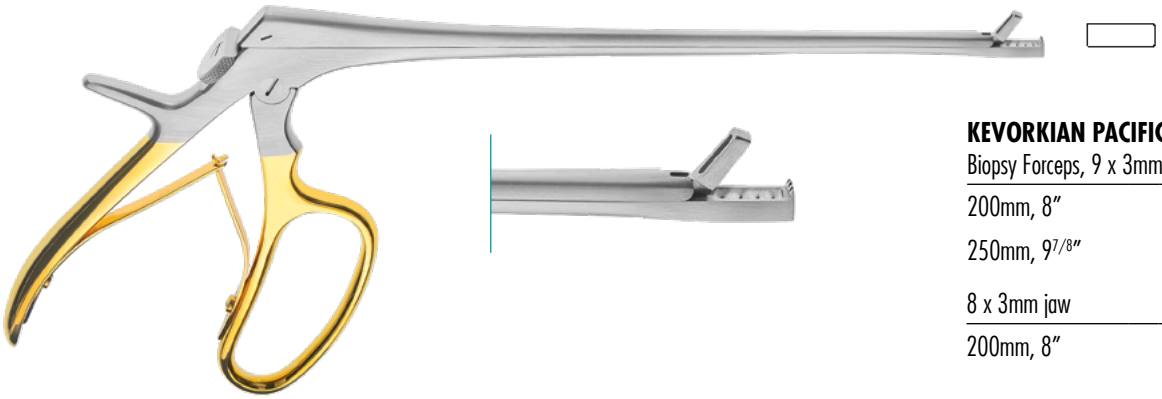
BABY TISCHLER
Biopsy Forceps, 4.2 x 2.3mm jaw

200mm, 8″	310-733-003
250mm, 9 7/8″	310-735-003



TISCHLER KEVORKIAN
Biopsy Forceps, 8 x 3mm jaw

250mm, 9 7/8″	310-731-250



KEVORKIAN PACIFIC
Biopsy Forceps, 9 x 3mm jaw

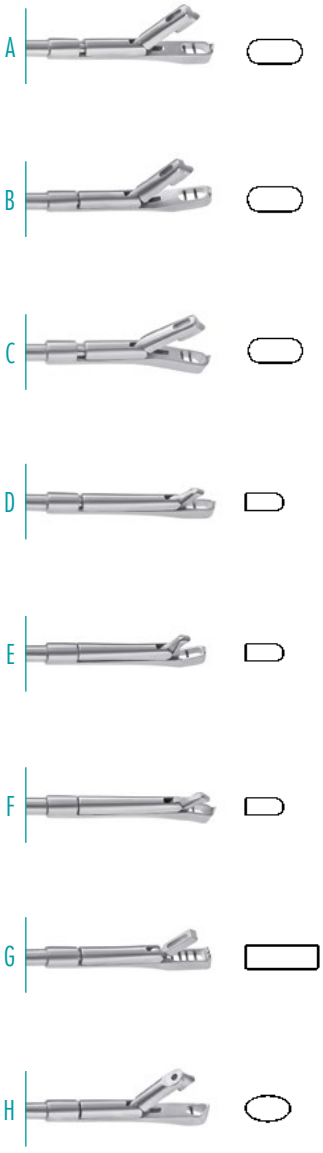
200mm, 8″	310-732-200
250mm, 9 7/8″	310-732-250

8 x 3mm jaw

200mm, 8″	310-731-200



Detachable Biopsy Forceps "Roto Fit"



UNI TISCHLER
Insert only, 3 x 7mm, 230mm, 9"

A straight	310-800-100
B angled up	310-801-100
C angled down	310-802-100

complete instrument with handle

A straight	310-800-000
B angled up	310-801-000
C angled down	310-802-000

UNI TOWNSEND
Insert only, 2.3 x 7mm, 230mm, 9"

D straight	310-803-100
E angled up	310-804-100
F angled down	310-805-100

complete instrument with handle

D straight	310-803-000
E angled up	310-804-000
F angled down	310-805-000

UNI KERVOKIAN
Insert only, 3 x 9mm, 230mm, 9"

G straight	310-806-100

complete instrument with handle

G straight	310-806-000

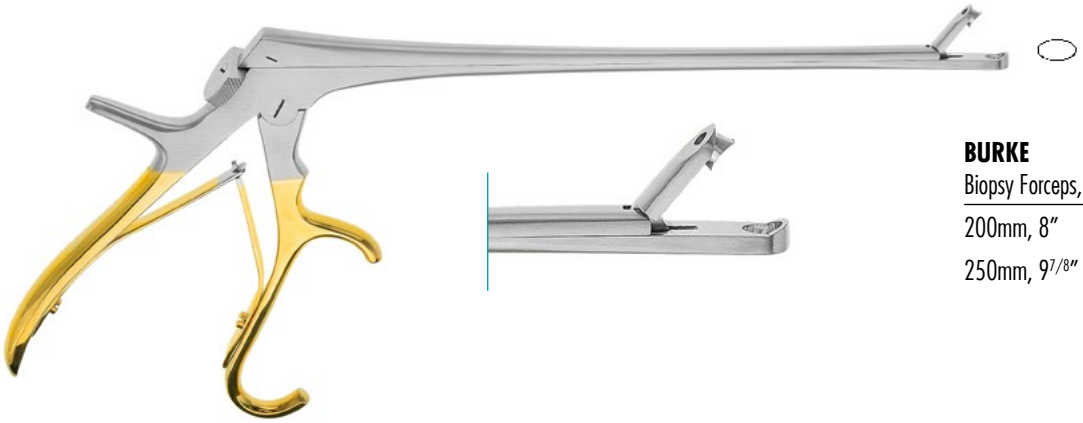
UNI OVAL
Insert only, 3 x 5.5mm, 230mm, 9"

H straight	310-807-100

complete instrument with handle

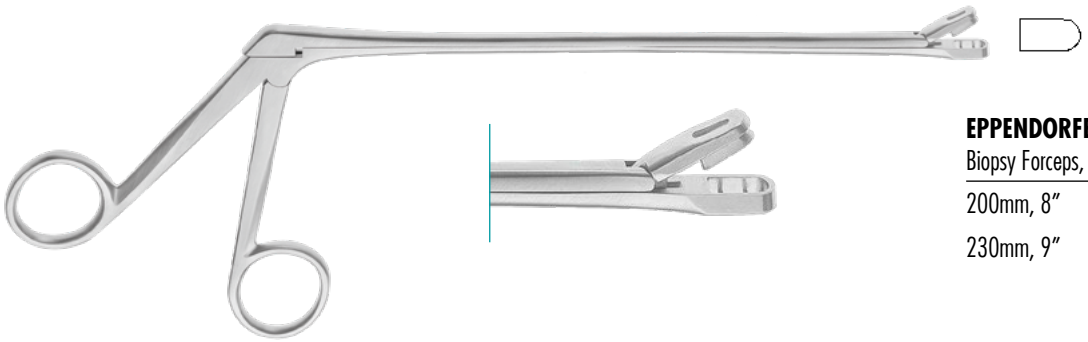
H straight	310-807-000

I Handle only	310-800-600



BURKE
Biopsy Forceps, 5 x 3mm jaw

200mm, 8″	310-732-000
250mm, 9 7/8″	310-735-004



EPPENDORFER
Biopsy Forceps, 4x8mm

200mm, 8″	310-760-200
230mm, 9″	310-760-230

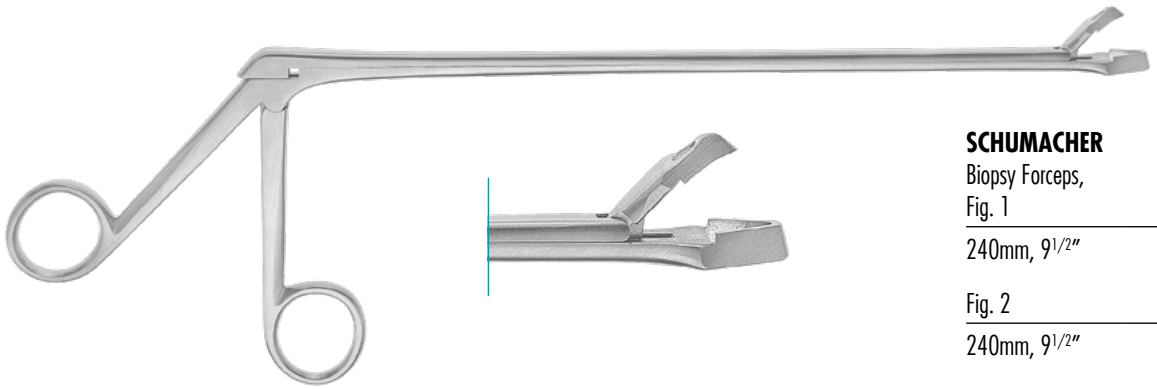


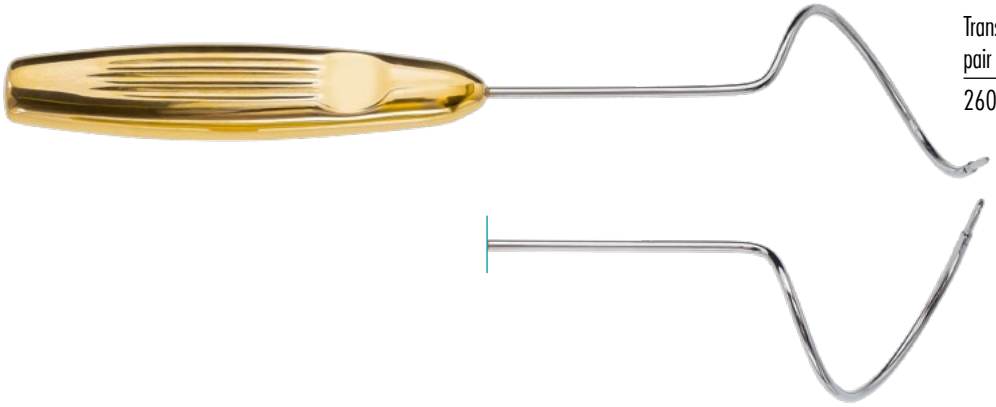
Fig. 1
Fig. 2

SCHUMACHER
Biopsy Forceps,
Fig. 1

240mm, 9 1/2″	310-729-001

Fig. 2

240mm, 9 1/2″	310-729-002



Transobturator Sling needle
pair of right and left curved

260mm, 10 1/4"	350-101-260



MIYAZAKI
Ligature Carrier, large hook 0.75"

200mm, 8" shaft	180-160-000



MIYAZAKI
Speculum with notch

	180-160-010



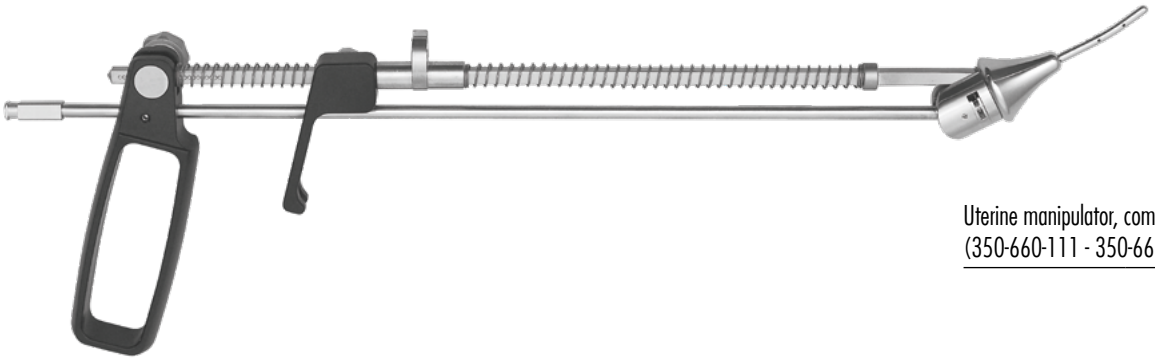
SIMS
Uterine Probe, graduated, ∅ 4mm,
330mm, 13"

rigid	350-395-320
malleable	350-396-320



SIMPSON
Uterine Probe, malleable, ∅ 4mm

290mm, 11 1/2"	350-396-290



Uterine manipulator, complete set
(350-660-111 - 350-660-116)
350-660-100



Adaptor ∅ 8 x 80 mm
350-660-111



Adaptor ∅ 10 x 100 mm
350-660-112



Adaptor ∅ 3 x 45 mm
350-660-113



Adaptor ∅ 3 x 55 mm
350-660-114



Adaptor ∅ 3.2 x 35 mm
350-660-115



Adaptor ∅ 3.2 x 45 mm
350-660-116



COHEN
Uterus Cannula
complete with 2 interchangeable acorns
350-750-000

Acorns	
small	350-750-001
large	350-750-002



HEGAR
Uterine Dilator, double-ended

1.0/2.0mm	350-382-020
3.0/4.0mm	350-382-040
5.0/6.0mm	350-382-060
7.0/8.0mm	350-382-080
9.0/10.0mm	350-382-100
11.0/12.0mm	350-382-120
13.0/14.0mm	350-382-140
15.0/16.0mm	350-382-160
17.0/18.0mm	350-382-180
19.0/20.0mm	350-382-200
21.0/22.0mm	350-382-220
23.0/24.0mm	350-382-240
25.0/26.0mm	350-382-260

Set*, 8 sizes from 3/4 to 17/18 mm in canvas roll

350-383-001



HEGAR
Uterine Dilator with slope handle

1.0mm	350-380-010
1.5mm	350-380-015
2.0mm	350-380-020
2.5mm	350-380-025
3.0mm	350-380-030
3.5mm	350-380-035
4.0mm	350-380-040
4.5mm	350-380-045
5.0mm	350-380-050
5.5mm	350-380-055
6.0mm	350-380-060
6.5mm	350-380-065
7.0mm	350-380-070
7.5mm	350-380-075
8.0mm	350-380-080
8.5mm	350-380-085
9.0mm	350-380-090
9.5mm	350-380-095
10.0mm	350-380-100
10.5mm	350-380-105
11.0mm	350-380-110
11.5mm	350-380-115
12.0mm	350-380-120
12.5mm	350-380-125
13.0mm	350-380-130
13.5mm	350-380-135
14.0mm	350-380-140
14.5mm	350-380-145
15.0mm	350-380-150
15.5mm	350-380-155
16.0mm	350-380-160
16.5mm	350-380-165
17.0mm	350-380-170
17.5mm	350-380-175
18.0mm	350-380-180
18.5mm	350-380-185
19.0mm	350-380-190
19.5mm	350-380-195
20.0mm	350-380-200
21.0mm	350-380-210
22.0mm	350-380-220
23.0mm	350-380-230
24.0mm	350-380-240
25.0mm	350-380-250
26.0mm	350-380-260
27.0mm	350-380-270
28.0mm	350-380-280
29.0mm	350-380-290
30.0mm	350-380-300

* illustration does not show the complete set



PRATT
Uterine Dilators, French Scale $10^{3/8}$"

13 - 15	350-392-015
17 - 19	350-392-019
21 - 23	350-392-023
25 - 27	350-392-027
29 - 31	350-392-031
33 - 35	350-392-035
37 - 39	350-392-039
41 - 43	350-392-043

Set of 8 pieces in canvas roll*

350-392-000



HANK
Uterine Dilator

Fig. 9/10 4.5/5.0mm	350-390-010	Fig. 15/16 7.5/8.0mm	350-390-016
Fig. 11/12 5.5/6.0mm	350-390-012	Fig. 17/18 8.5/9.0mm	350-390-018
Fig. 13/14 6.5/7.0mm	350-390-014	Fig. 19/20 9.5/10.0mm	350-390-020

Set, 6 pieces in canvas roll*

350-391-002

* illustration does not show the complete set



JACKSON
Vaginal Speculum

75 x 38mm	350-206-001
90 x 38mm	350-206-002
100 x 38mm	350-206-003



EASTMAN
Vaginal Speculum

75 x 38mm	350-207-001
90 x 38mm	350-207-002
100 x 38mm	350-207-003



DOYEN
Vaginal Speculum, slightly concave

55 x 35mm	350-290-001
85 x 35mm	350-290-002
115 x 35mm	350-290-003
55 x 45mm	350-290-004
85 x 45mm	350-290-005
115 x 45mm	350-290-006
160 x 45mm	350-290-007
55 x 60mm	350-290-008
85 x 60mm	350-290-009
115 x 60mm	350-290-010
160 x 60mm	350-290-011



HEANEY
Retractor, 270mm, $10^{2/3}$"

73 x 28mm	170-459-001
45 x 28mm	170-459-002
82 x 28mm	170-459-003



HEANEY SIMON
Retractor with horn handle

260mm, $10^{1/4}$"	170-460-260



BREISKY
Vaginal Speculum

100 x 20mm	350-320-020
100 x 25mm	350-320-025
100 x 30mm	350-320-030
100 x 35mm	350-320-035
100 x 40mm	350-320-040

130 x 20mm	350-322-020
130 x 25mm	350-322-025
130 x 30mm	350-322-030
130 x 35mm	350-322-035
130 x 40mm	350-322-040
155 x 40mm	350-324-040



SEIDL
Speculum for children
170mm, 6 2/3″

80 x 8mm	350-254-001
80 x 10mm	350-254-002
90 x 14mm	350-254-003



KRISTELLER
Vaginal Speculum, for children

70 x 15mm	350-210-000

for adults

70 x 27mm	350-210-001
80 x 30mm	350-210-002
90 x 36mm	350-210-003



KRISTELLER
Retractor

Fig. 0	70 x 10mm	350-211-000
Fig. 1	75 x 23mm	350-211-001
Fig. 2	85 x 26mm	350-211-002
Fig. 3	100 x 32mm	350-211-003



KRISTELLER
Vaginal Speculum Set

Fig. 0	350-212-000
Fig. 1	350-212-001
Fig. 2	350-212-002
Fig. 3	350-212-003



KRISTELLER
Vaginal Speculum

Fig. 1 110 x 27mm	350-230-001
Fig. 2 110 x 30mm	350-230-002
Fig. 3 110 x 36mm	350-230-003



KRISTELLER
Retractor

Fig. 1 115 x 18mm	350-231-001
Fig. 2 115 x 22mm	350-231-002
Fig. 3 115 x 28mm	350-231-003



KRISTELLER
Vaginal Speculum Set

Fig. 1	350-232-001
Fig. 2	350-232-002
Fig. 3	350-232-003



SIMS
Vaginal Speculum, small

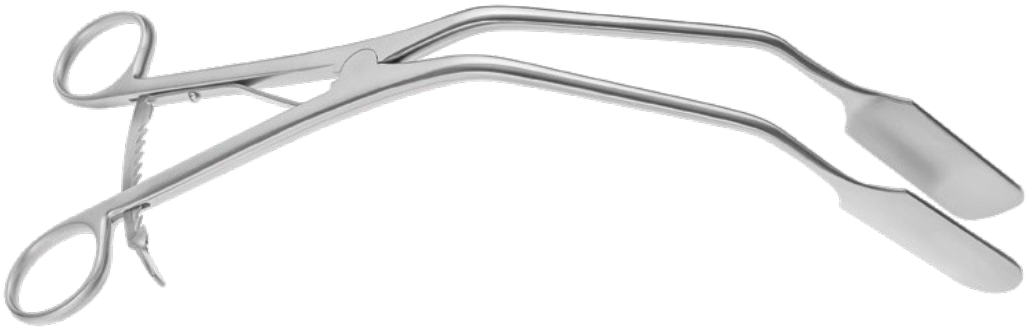
65 x 25mm	350-200-001

medium

70 x 30mm	350-200-002

large

85 x 35mm	350-200-003



RZ
Lateral Retractor

60 x 22mm	350-340-000



KOGAN
Endospeculum, screw ratchet, 240mm, $9^{1/2}$″

5mm	350-361-001
4mm	350-361-002
3mm	350-361-003



GRAVE
Vaginal Speculum

75 x 20mm	350-130-001
95 x 35mm	350-130-002
115 x 35	350-130-003



PEDERSON
Vaginal Speculum

75 x 13mm	350-140-001
100 x 22mm	350-140-002
120 x 25mm	350-140-003



CUSCO
Vaginal Speculum

75 x 32mm	350-100-001
85 x 35mm	350-100-002
100 x 35mm	350-100-003



CUSCO
Vaginal Speculum, Swiss pattern

80 x 22mm	350-102-001
100 x 25mm	350-102-002
105 x 27mm	350-102-003

SEMN
Vaginal Speculum, 100mm blade

17-20mm wide blade	350-120-001
25-30mm wide blade	350-120-002

COLLIN
Vaginal Speculum, detachable

65 x 20mm	350-110-001
85 x 30mm	350-110-002
100 x 35mm	350-110-003
100 x 40mm	350-110-004



AUVARD
Vaginal Speculum, fixed weight,
1.14kg, 45° angled

70 x 42mm	350-309-000
83 x 38mm	350-310-000
102 x 45mm	350-311-000



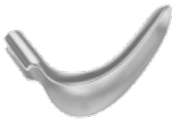
STEINER ANVARD
Vaginal Speculum, fixed weight, 1.14kg

150 x 34mm	350-311-140



SCHERBACK
Vaginal Speculum,complete set
incl. weight 400g, handle, blades Fig. 1 - 5

350-300-000



Blades

80x30mm	330-301-001
85x35mm	330-301-002
85x40mm	330-301-003
55x40mm	330-301-004
70x45mm	330-301-005



Weight

400g	350-302-001
800g	350-302-002

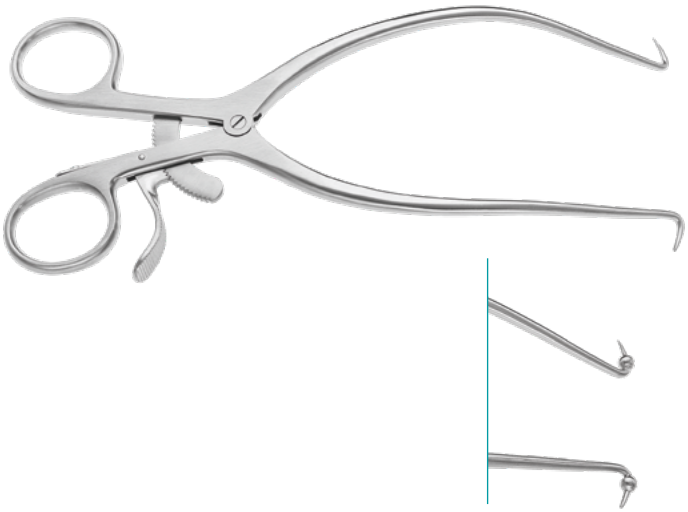
Handle

350-303-000



GELPI
Perineal Retractor, pediatric size

90mm, 3 1/2"	170-802-090
110mm, 4 1/3"	170-802-110
135mm, 5 1/3"	170-802-135



GELPI
Perineal Retractor

180mm, 7"	170-802-180

with ball stops

190mm, 7 1/2"	170-803-180



RIGBY
Perineal Retractor, 21x70mm blades

180mm, 7"	170-806-180







O'SULLIVAN O'CONNOR
Vaginal Retractor Set

	350-336-000

Blades

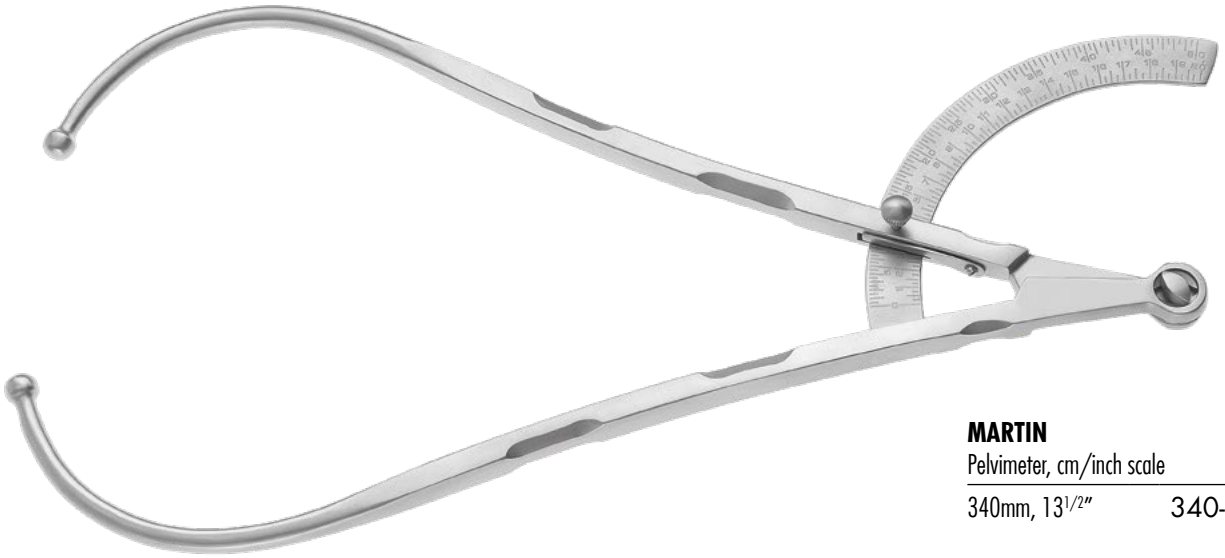
45x17mm	350-336-001
90x37mm	350-336-002
90x45mm	350-336-003
120x45mm	350-336-004
120-x37mm	350-336-005

Frame

	350-336-020

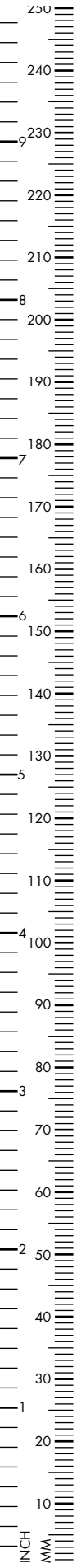
RIGBY
Perineal Retractor, 21x70mm blades

180mm, 7"	170-806-180



MARTIN
Pelvimeter, cm/inch scale

340mm, 13 1/2"	340-103-340


250
240
230
220
210
200
190
180
170
160
150
140
130
120
110
100
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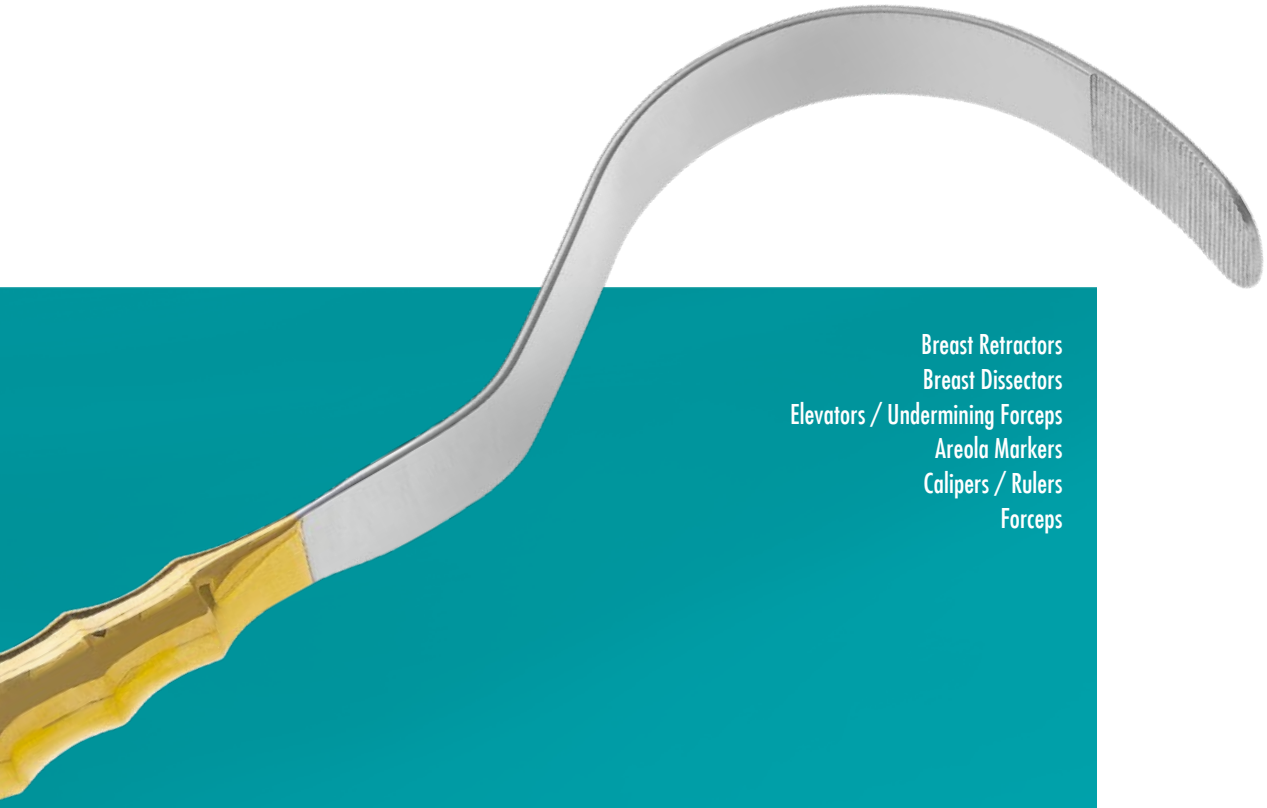
50
40
30
20
10
9
8
7
6
5
4
3
2
1
INCH
MM

PLASTIC SURGERY



Breast Retractors
Breast Dissectors
Elevators / Undermining Forceps
Areola Markers
Calipers / Rulers
Forceps



FERREIRA STYLE
Breast Retractor, round and smooth blade, with fibre-optic and suction

70 x 16mm	260-070-116
70 x 25mm	260-070-125
90 x 24mm	260-090-124
90 x 27mm	260-090-127
90 x 30mm	260-090-130
100 x 25mm	260-100-125
120 x 25mm	260-120-125
150 x 25mm	260-150-125
150 x 30mm	260-150-130
150 x 36mm	260-150-136
180 x 25mm	260-180-125
180 x 30mm	260-180-130
190 x 36mm	260-190-136



FERREIRA STYLE
Breast Retractor, round and smooth blade, with fibre-optic

70 x 16mm	260-070-916
70 x 25mm	260-070-925
90 x 24mm	260-090-924
90 x 27mm	260-090-927
90 x 30mm	260-090-930
100 x 25mm	260-100-925
110 x 25mm	260-110-925
120 x 25mm	260-120-925
150 x 25mm	260-150-925
150 x 30mm	260-150-930
190 x 36mm	260-190-936
180 x 30mm	260-180-930
190 x 36mm	260-190-936





TEBBET STYLE
Breast Retractor, square and toothed blade, with fibre-optic and suction

70 x 16mm	260-070-316
70 x 25mm	260-070-325
80 x 16mm	260-090-324
90 x 27mm	260-090-327
90 x 30mm	260-090-330
100 x 25mm	260-100-325
110 x 25mm	260-110-325
120 x 25mm	260-120-325
150 x 25mm	260-150-325
150 x 30mm	260-150-330
150 x 36mm	260-150-336
180 x 25mm	260-180-325
180 x 30mm	260-180-330
190 x 36mm	260-190-336





TEBBET STYLE
Breast Retractor, square and smooth blade, with fibre-optic and suction

70 x 16mm	260-070-516
70 x 25mm	260-070-525
80 x 16mm	260-090-524
90 x 27mm	260-090-527
90 x 30mm	260-090-530
100 x 25mm	260-100-525
110 x 25mm	260-110-525
120 x 25mm	260-120-525
150 x 25mm	260-150-525
150 x 30mm	260-150-530
150 x 36mm	260-150-536
180 x 25mm	260-180-525
180 x 30mm	260-180-530
190 x36mm	260-190-536



Breast Optic Retractor,
∅ 10mm optic, with stopcock

180 x 16mm for 4mm scopes	260-130-160
180 x 25mm for 4mm scopes	260-130-000
180 x 25mm for 5mm scopes	260-130-014

for use with Optic
∅ 10mm, 175mm, $6^{7/8}$" working length

30°	260-110-030
0°	260-110-000

∅ 4mm

30°	260-104-030



A Mammary Retractor, solid blade,
for ∅ 10mm optic, universal scope connection

120 x 25mm	260-145-250

B **BIGGS**
Mammary Retractor, fenestrated blade,
31mm

for 10mm scopes	260-135-000
for 4mm scopes	260-135-004
for 5mm scopes	260-135-005

50mm

for 10mm scopes	260-145-000



DEAVER
Retractor with Silicone Handle, with fibre-optic

35 x 300mm	260-293-300



Universal Adaptor for fibre-optic retractors

1 piece	260-990-999



Mammary Retractor, fenestrated blade,
fibre-optic with universal adapter, suction tube

31mm blade	260-131-000
50mm blade	260-141-000

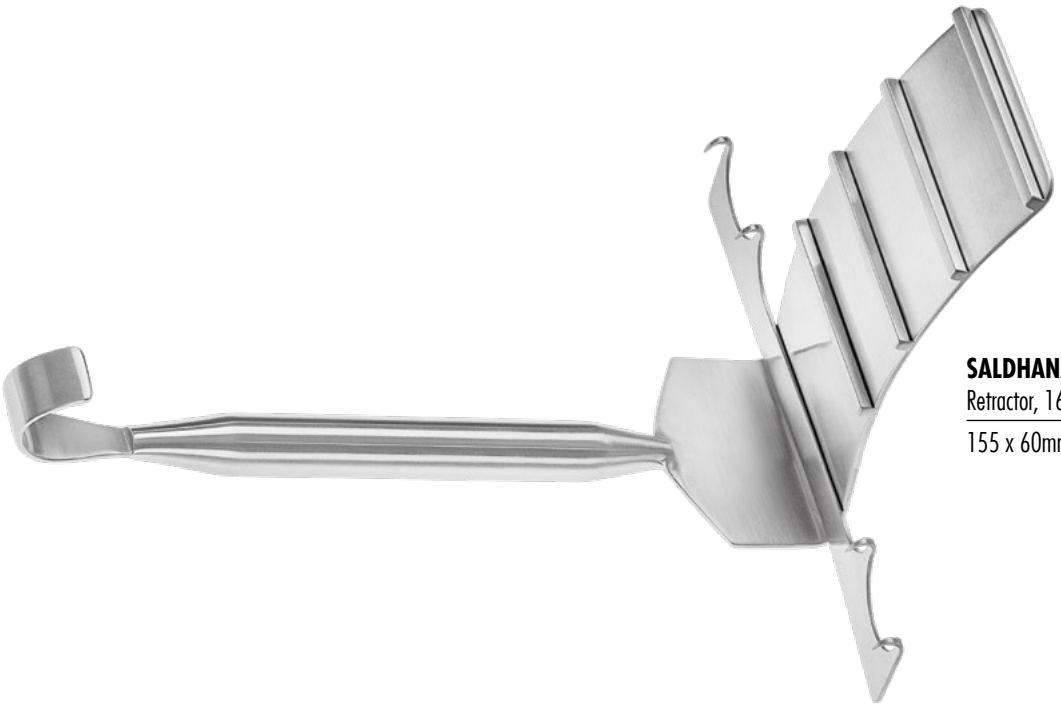


SALDHANA
Breast Retractor, 8 prongs,
with light guide

125 x 60mm	260-060-125
200 x 60mm	260-060-200

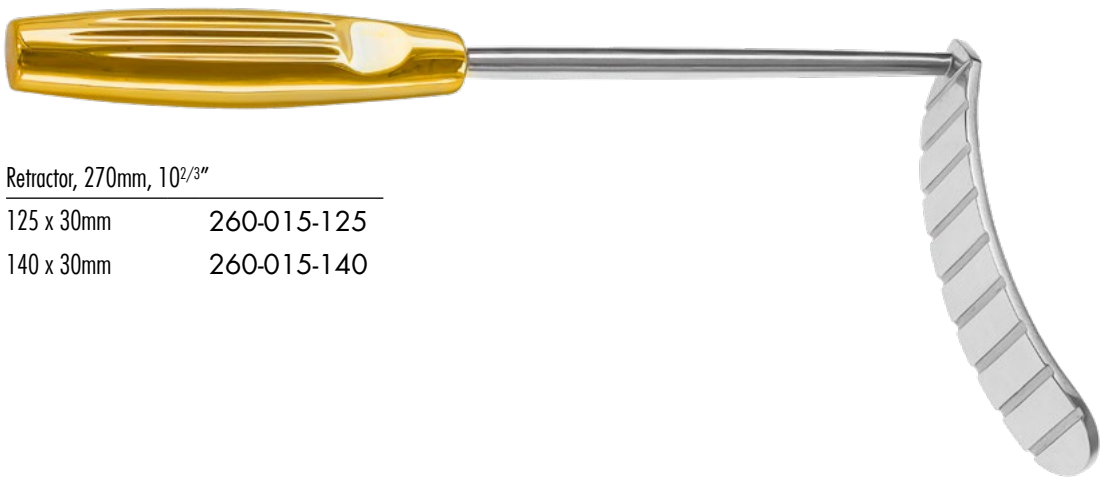
without light guide

125 x 60mm	260-061-185
200 x 60mm	260-061-200



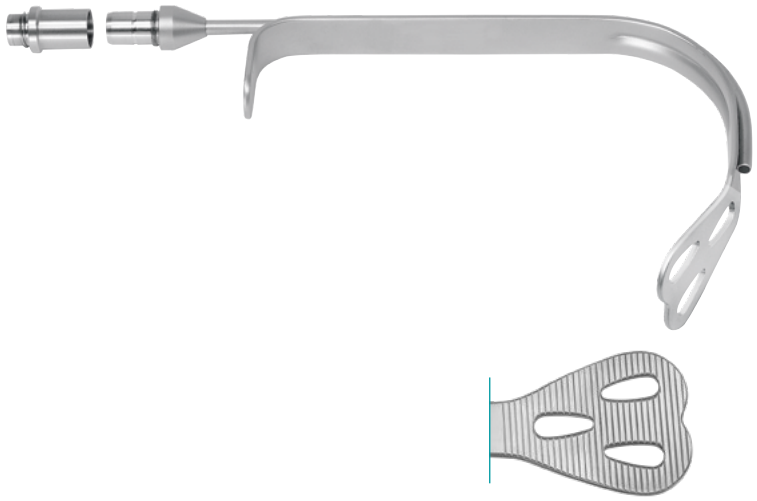
SALDHANA SZ
Retractor, 165mm hitches

155 x 60mm	260-015-155



Retractor, 270mm, $10^{2/3}$"

125 x 30mm	260-015-125
140 x 30mm	260-015-140



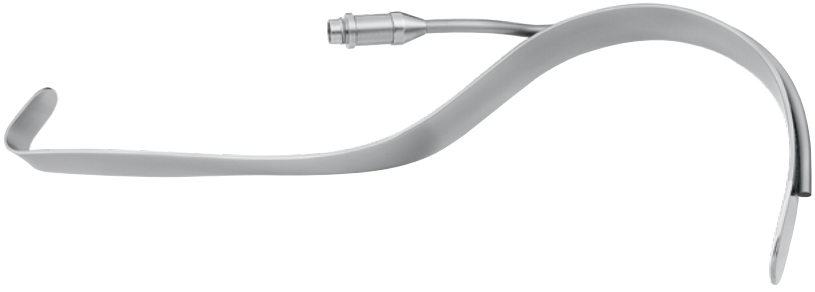
Breast and Facial Retractor, fenestrated blade, fine serration, fibre-optic, 125mm, 5“

30mm blade	430-497-141
40mm blade	430-497-151



DEAVER
Retractor, with fibre-optic, 230mm, 9“

110 x 25mm	170-581-230



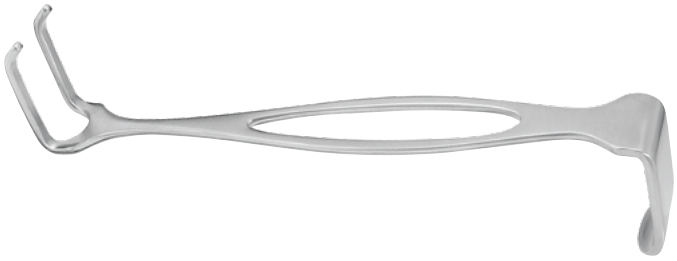
DEAVER
Retractor, with fibre-optic, 300mm, $11^{7/8}$“

25mm blade	170-581-300



FERREIRA
Facelift Retractor, 110 x 22mm, 100mm 4“

with fibre-optic	260-130-110
without fibre-optic	260-230-110



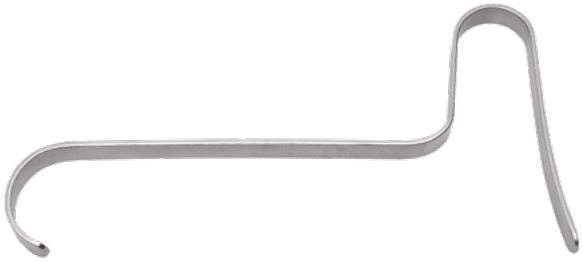
CZERNY
Retractor, 38 x 42mm prongs, 180mm 7“

36mm blade	170-653-000



DEAVER
Grip Retractor, serrated

25 x 300mm	171-483-025
38 x 310mm	171-483-138



FREEMAN
Flap Retractor, 205mm, 8 1/8"

12mm wide	260-012-205
25mm wide	260-025-205



SOLZ
Hook Dissector, graduated

360mm, 14 1/2"	260-001-360



SOLZ
Atraumatic Breast Dissector

340mm, 13 3/4"	260-001-340
370mm, 14 3/4"	260-001-370



SCULPO
Breast Retractor, double-ended,
37 x 70mm / 22 x 54mm

230mm, 9″	260-400-310
310mm, 12 1/4″	260-401-310



TILLEY
Breast Retractor, micro toothing

220mm, 8 2/3″	260-400-220



SCULPO
Breast Spatula, semi-malleable, serrated,
315mm, 12 1/3"

150 x 25mm	260-400-315
150 x 38mm	260-438-315



YANCOSKIE
Abdominoplasty Retractor, 6 prongs

150mm, 6"	260-013-201



SCULPO
Breast Dissector, blunt, curved

340mm, 13 1/3"	260-009-000



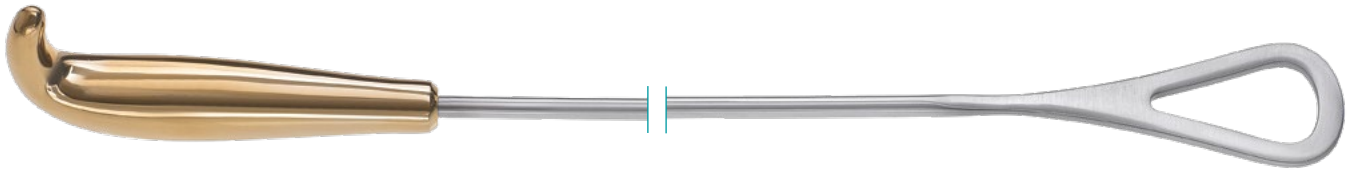
AGRIS DINGMAN
Transaxillary Dissector Set, with scale

360mm, 14"	260-088-370



SCULPO
Breast Dissector, angled

330mm, 13"	260-010-000
420mm, 16 1/2"	260-010-420



REYNOLDS
Transaxillary Breast Dissector, fenestrated blade

400mm, 15 3/4"	260-737-040



REYNOLDS
Breast Dissector, oval spatulated blade

320mm, 12 2/3"	260-140-000
420mm, 16 1/2"	260-140-420



MACCOLLUM DINGMAN
Breast Dissector, angled shaft

410mm, 16"	260-016-410



SCULPO
Spatulated Breast Dissector, malleable shaft

330mm, 13"	260-311-000
420mm, 16 1/2"	260-311-420



Breast Facial Spreader, diamond-shaped
29mm blade

220mm, $8^{2/3}$"	260-001-220
295mm, $11^{2/3}$"	260-001-295



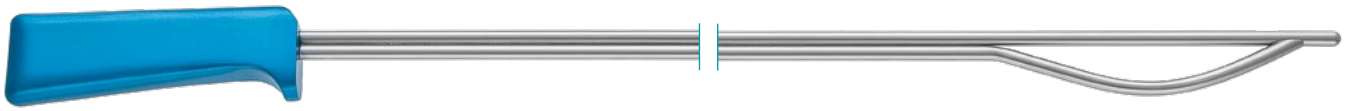
Breast Elevator for Mammoplasty

280mm, 11"	260-500-000



LAROE
Undermining Forceps, curved

245mm, $9^{2/3}$"	260-001-250
300mm, $11^{7/8}$"	260-001-300



LOCKWOOD
Underminer, 30mm lift

380mm, 15"	260-603-380
450mm, 19"	260-603-450



FREEMAN
Areola Marker

Ø 25mm	260-750-125
Ø 30mm	260-750-130
Ø 34mm	260-750-134
Ø 36mm	260-750-136
Ø 38mm	260-750-138
Ø 40mm	260-750-140
Ø 42mm	260-750-142
Ø 45mm	260-750-145
Ø 50mm	260-750-150
Ø 52mm	260-750-152



FREEMAN
Areola Marker, double-ended

Ø 38 / 42mm	260-751-125
Ø 42 / 45mm	260-751-142



FREEMAN
Areola Marker, double-ended, with markings

Ø 38 / 42mm	260-751-225
Ø 34 / 36mm	260-751-236
Ø 45 / 50mm	260-751-250



Areola Marker

Ø 36mm	260-755-036
Ø 38mm	260-755-038
Ø 42mm	260-755-042
Ø 45mm	260-755-045



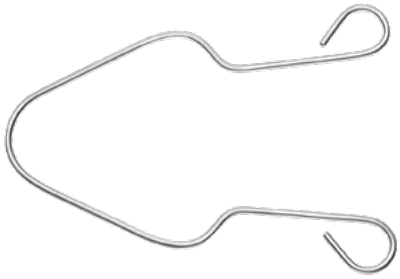
GROSSMANN
Areola Marker, 4-in-1 sizes, non-cutting

Ø 40 / 44 / 48 / 52mm	260-754-000



GALVAO
Areola Marker

Ø 40mm	260-753-040
Ø 50mm	260-753-050



Areola Marker

100mm, 4"	260-746-000

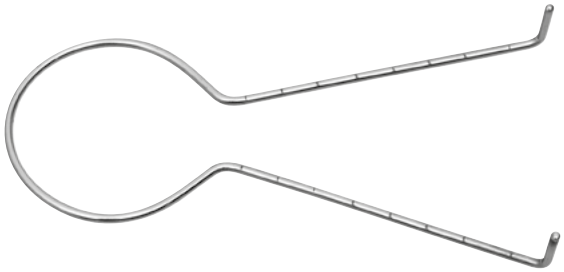


ECKHOFF
Skin Marking Pen,
with reversible holder for pen

145mm, $5^{3/4}$"	420-832-145

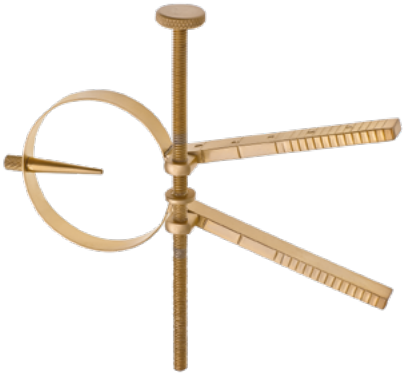
Spare nib (1 piece)

	420-832-001



MCKISSOCK
Breast Caliper

Ø 38mm	260-738-000
Ø 42mm	260-742-000
Ø 45mm	260-745-000



HALPERN
Breast Caliper

Ø 38mm	260-755-000
Ø 42mm	260-757-000



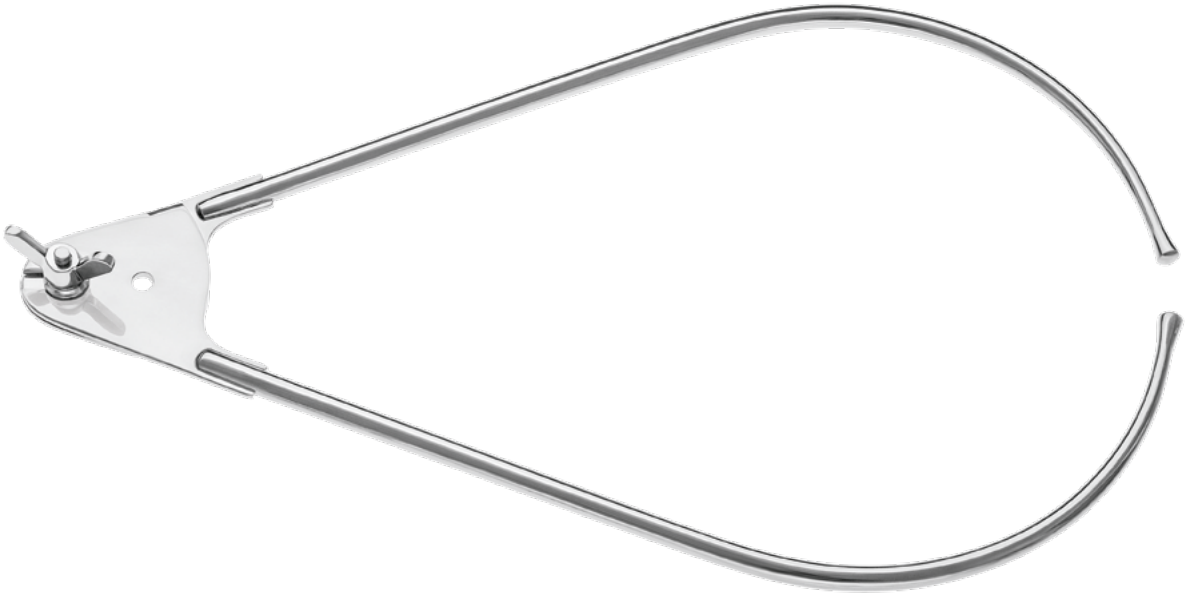
Ruler, with mm inch markings

150mm, 6"	100-418-150
200mm, 8"	100-418-200
300mm, 11 7/8"	100-418-300
500mm, 20"	100-418-500



CASTROVIEJO
Caliper, with locking screw

0-20mm, 85mm	400-583-007
0-40mm, 180mm	400-583-008



MCKISSOCK (COLLYER)
Caliper

300mm, $11^{7/8}$"	260-756-300





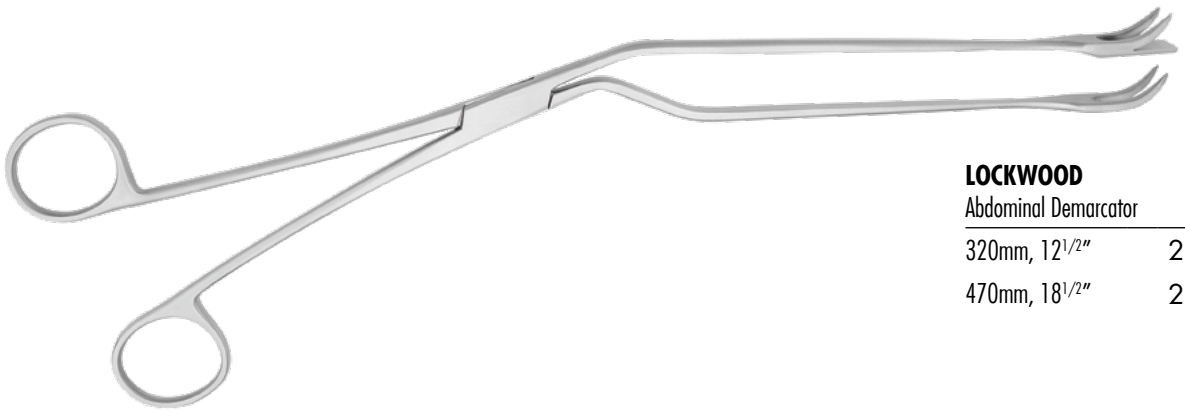
D'ASSUMPCAO
Face Lift Forceps

160mm, 6 1/4"	260-520-010
260mm, 10 1/4"	260-520-016



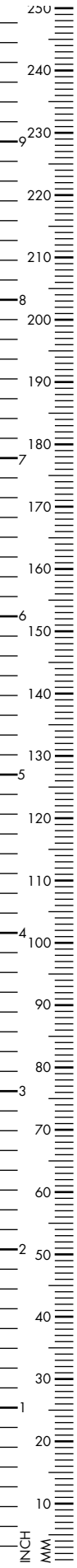
D'ASSUMPCAO
Face Lift Forceps, with ratchet

160mm, 6 1/4"	260-520-020
260mm, 10 1/4"	260-520-026



LOCKWOOD
Abdominal Demarcator

320mm, 12 1/2"	260-268-310
470mm, 18 1/2"	260-268-410


250
240
230
220
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
9
8
7
6
5
4
3
2
1
INCH
MM

GENITO-URINARY



Retractors / Spatula
Forceps
Vasectomy
Penis Clamps
Catheters
Bougies
Urethrotomes



YOUNG
Prostatic Retractor

210mm, $8^{1/4}$″	320-204-210



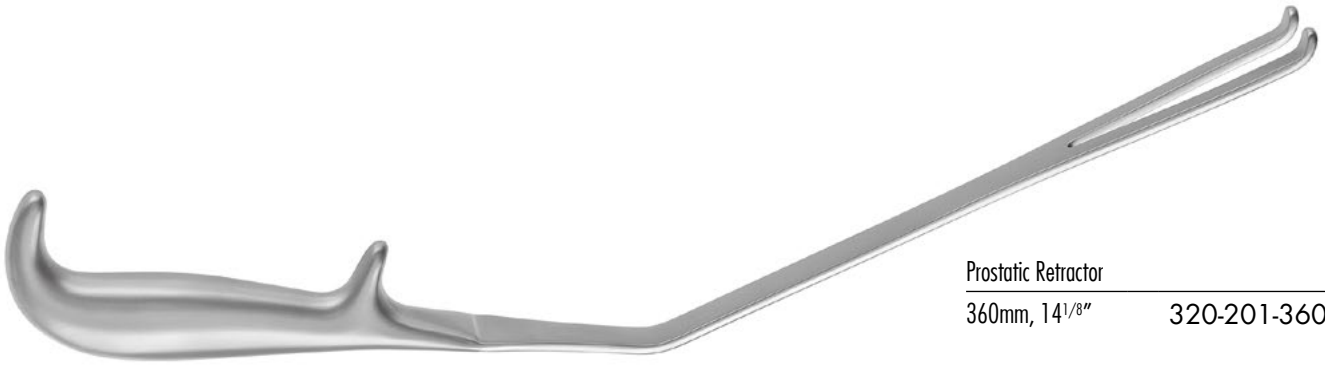
YOUNG
Prostatic Retractor

220mm, $8^{2/3}$″	320-205-220



YOUNG
Prostatic Retractor

210mm, $8^{1/4}$″	320-204-210



Prostatic Retractor

360mm, 14 1/8" 320-201-360



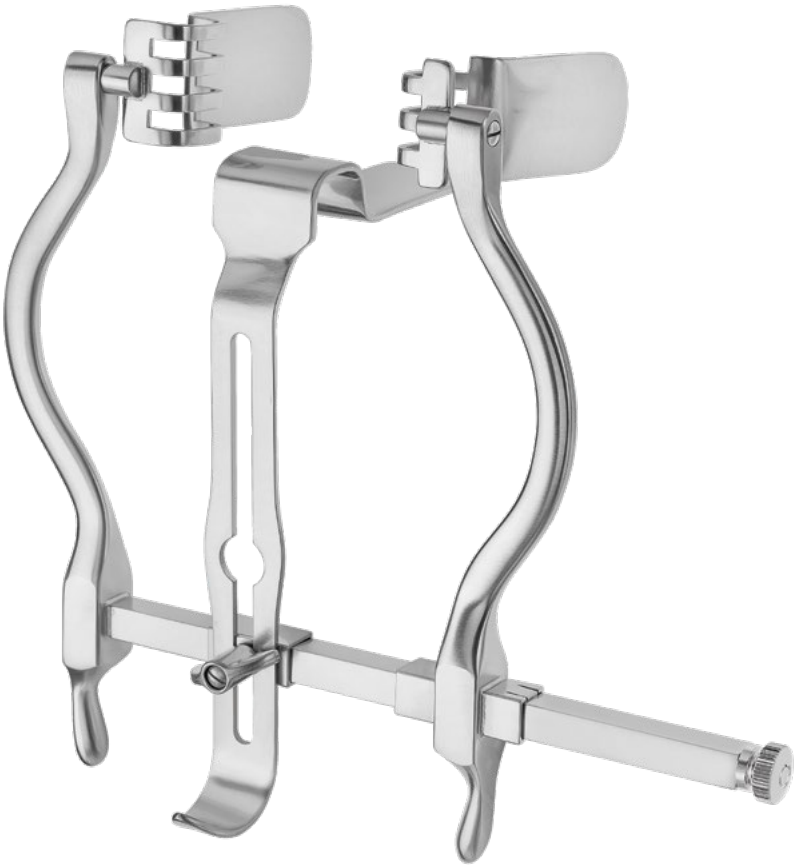
LEGUEU
Bladder Spatula

260mm, 10 1/4" 320-170-260



KOCHER
Bladder Spatula

235mm, 9 1/4" 320-175-235



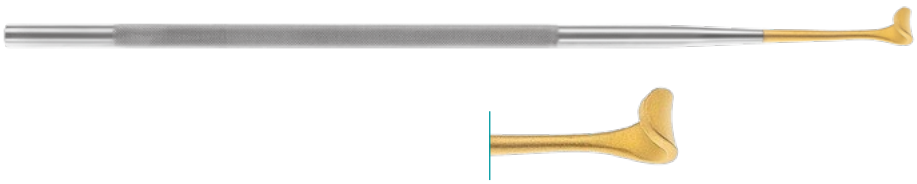
MASSON
Bladder Retractor
blade 73 x 28mm

110mm opening	320-195-000



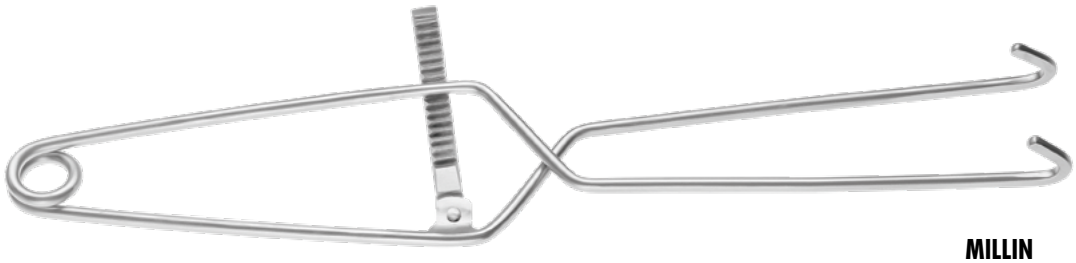
MILLIN
Bladder Retractor, complete

	320-185-000
Central Valve	
105 x 45mm	320-185-004
Lateral Blades	
82 x 25mm	320-185-003
87 x 25mm	320-185-002
Retractor only	
	320-185-001



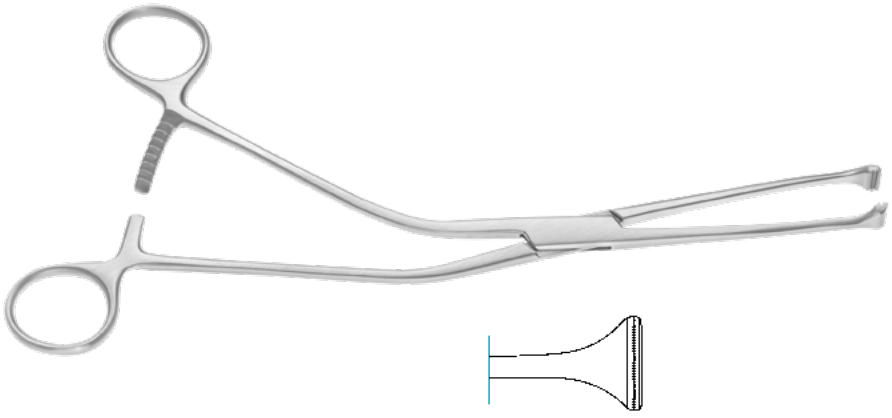
GIL VERNET
Retractor, malleable, 240mm, 9 1/2"

8mm	170-236-008
11mm	170-236-011
17mm	170-236-017
20mm	170-236-020
23mm	170-236-023



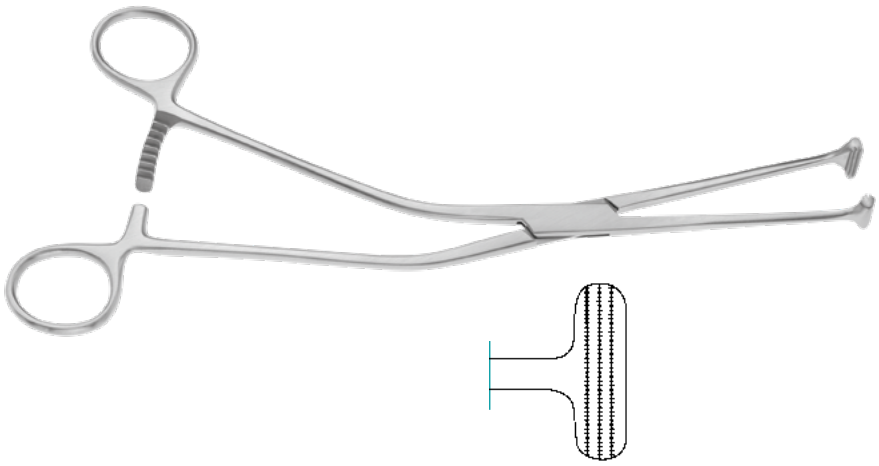
MILLIN
Bladder Neck Spreader

285mm, 11 1/4"	320-165-285



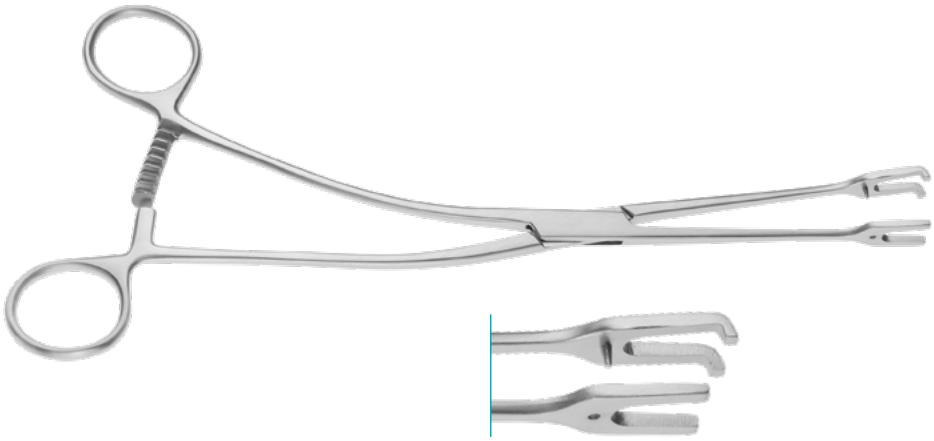
MILLIN
Prostatic Grasping Forceps

230mm, 9"	320-150-230



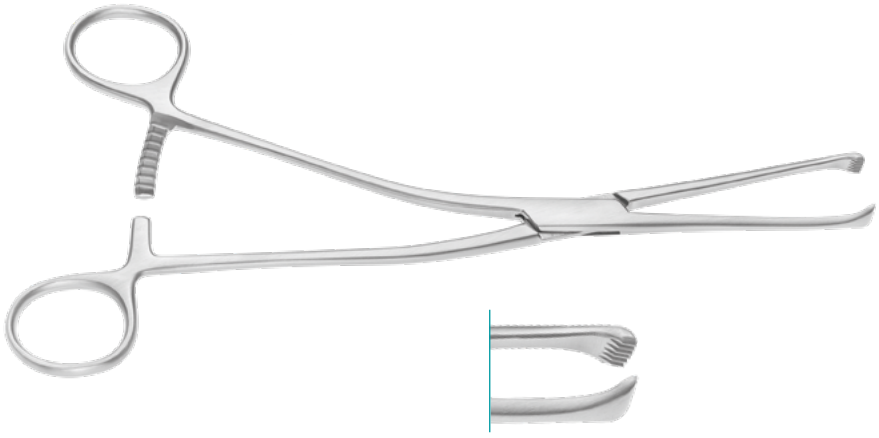
MILLIN
Atraumatic Grasping Forceps
for the capsule

230mm, 9" 320-151-230



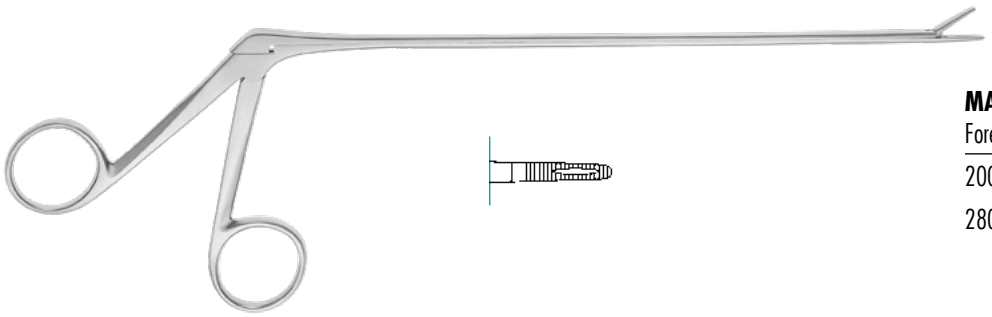
MILLIN
Ligature Carring Forceps

245mm, 9 2/3" 320-151-245



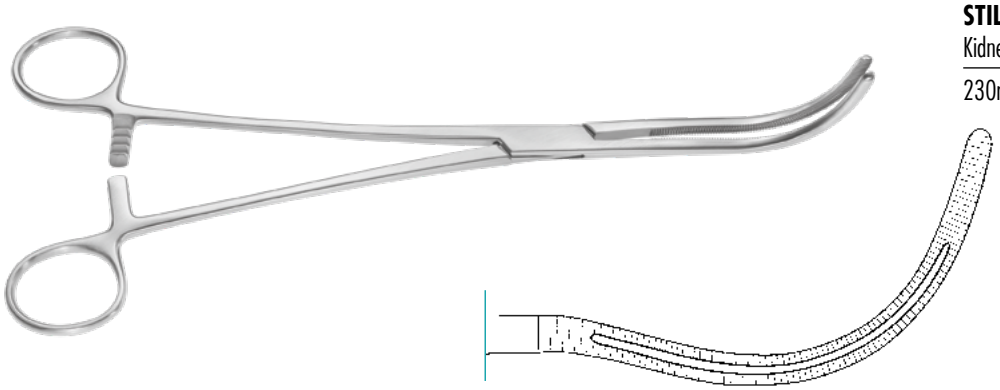
MILLIN
Grasping Forceps for the anterior lobe

230mm, 9" 320-152-230



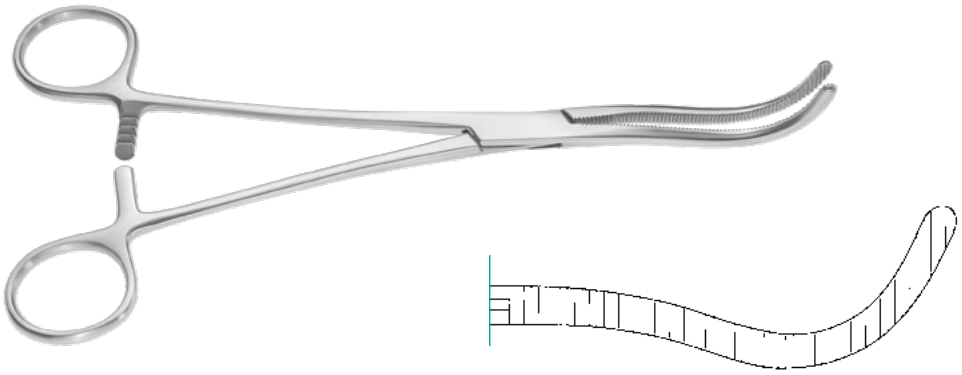
MATHIEU
Foreign Body Forceps

200mm, 8″	320-350-190
280mm, 11″	320-350-280



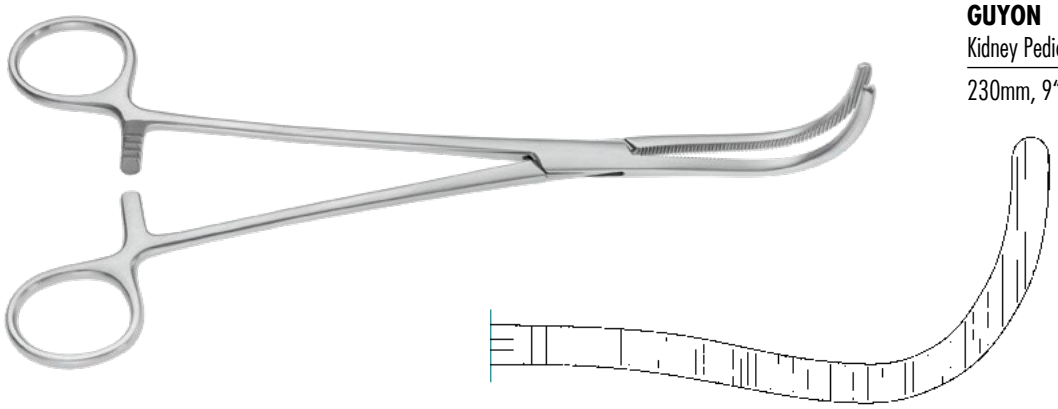
STILLE
Kidney Pedicle Clamp

230mm, 9″	140-602-230



GUYON
Kidney Pedicle Clamp, curved

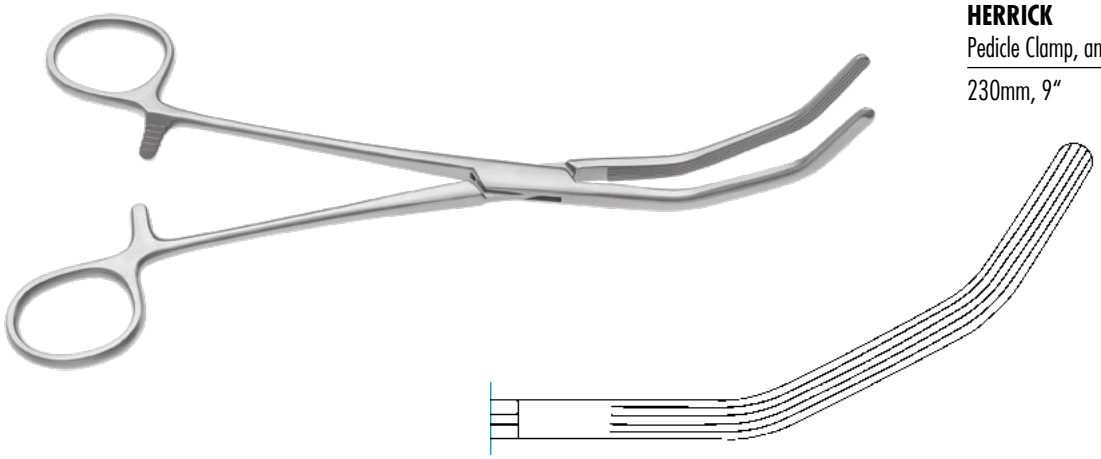
200mm, 8″	140-600-200
220mm, $8^{2/3}$″	140-600-220
240mm, $9^{1/2}$″	140-600-240
265mm, $10^{1/2}$″	140-600-265



GUYON

Kidney Pedicle Clamp

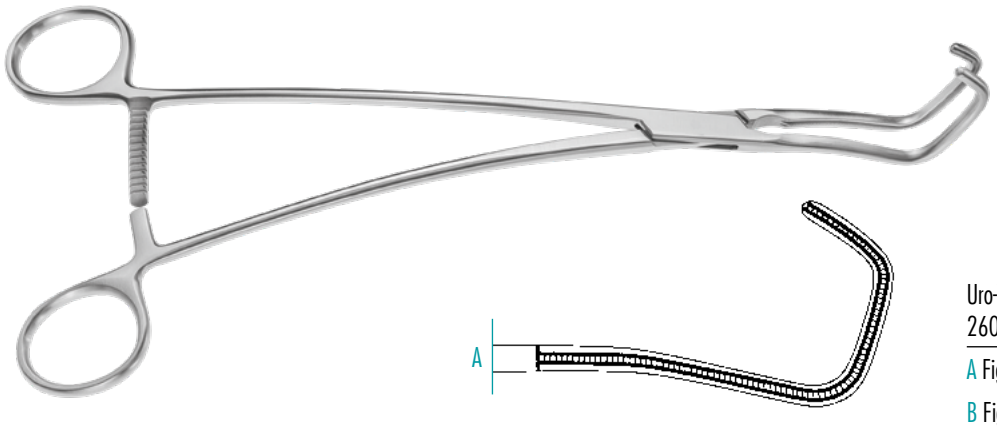
230mm, 9" 140-603-230

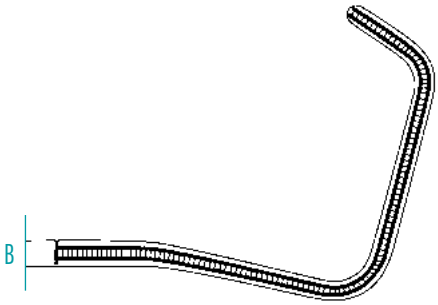


HERRICK

Pedicle Clamp, angled, longitudinal serrated

230mm, 9" 140-604-230



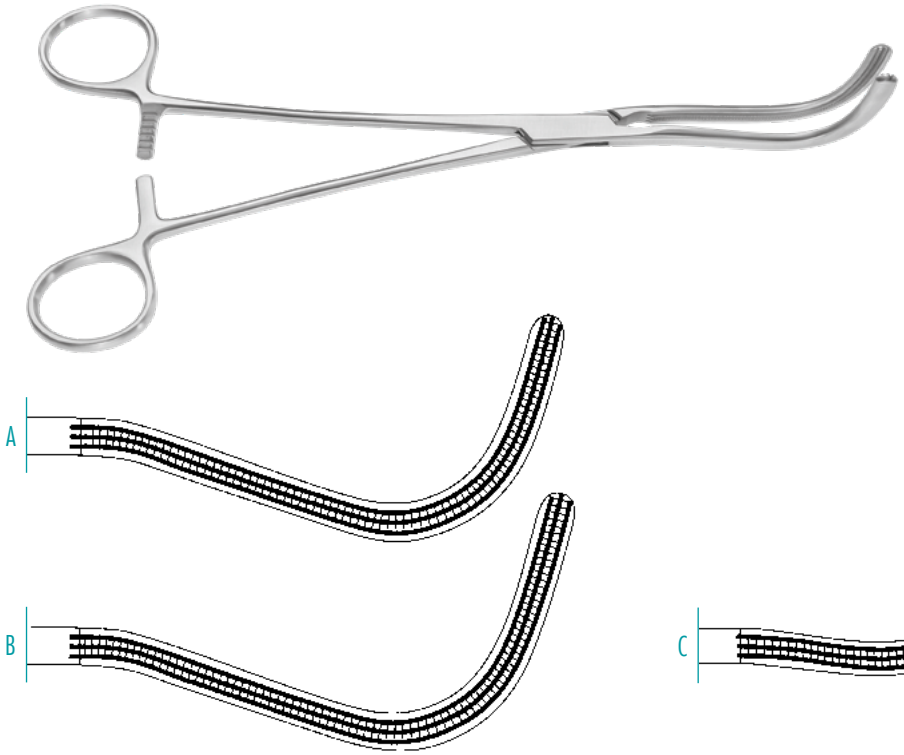


Uro-Tangential Kidney Pedicle Clamp, atraumatic

260mm, $10^{1/4}$"

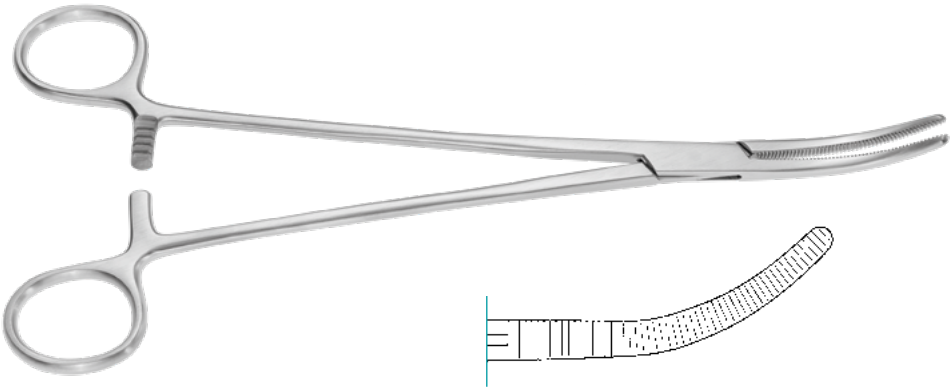
A Fig. 1 140-500-001

B Fig. 2 140-500-002



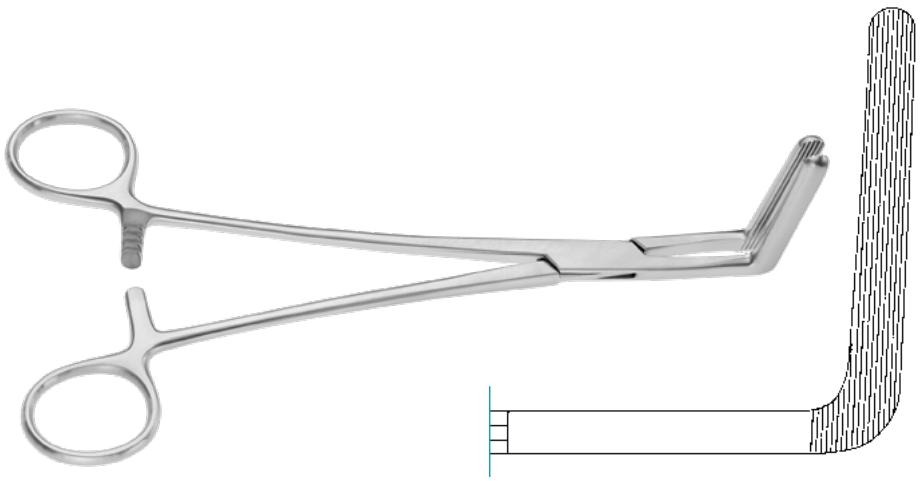
GUYON
Kidney Pedicle Clamp, atraumatic
260mm, 10 1/4"

A 230mm, 9"	140-498-230
B 240mm, 9 1/2"	140-498-240
C 235mm, 9 1/4"	140-498-235



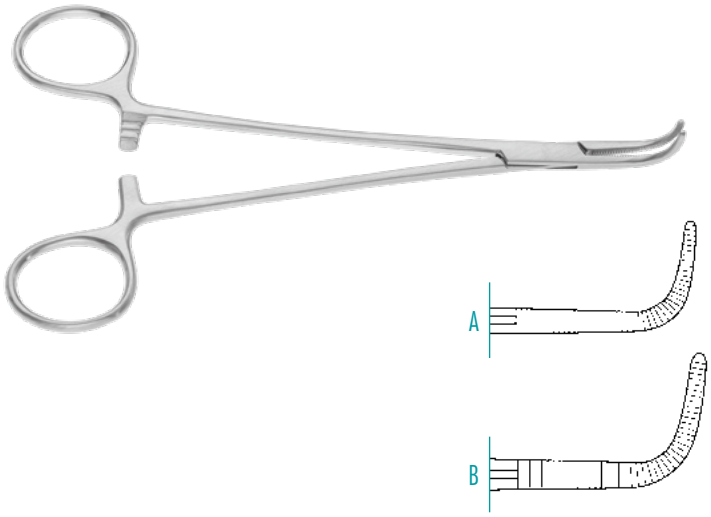
WERTHEIM
Hysterectomy Forceps, serrated, curved

250mm, 9 7/8"	140-697-250



WERTHEIM CULLEN
Hysterectomy Forceps, 90° angled

215mm, 8 1/2"	140-641-215

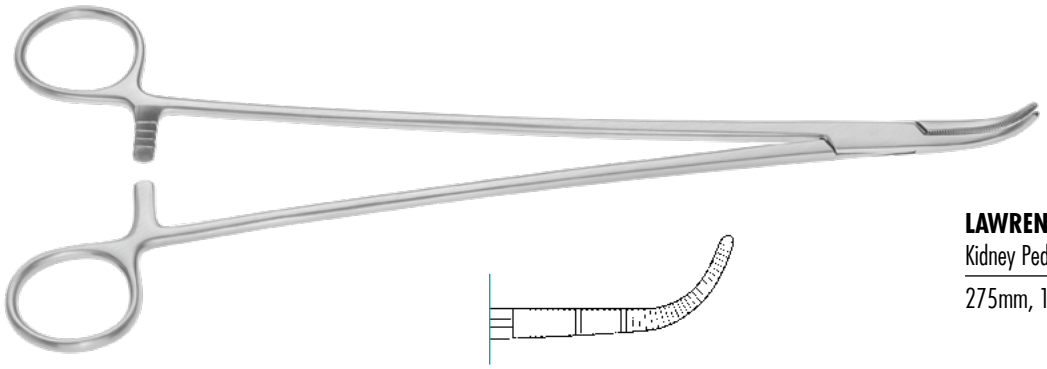


MEEKER
Kidney Pedicle Clamp
Fig. 1

A 180mm, 7″	140-619-180

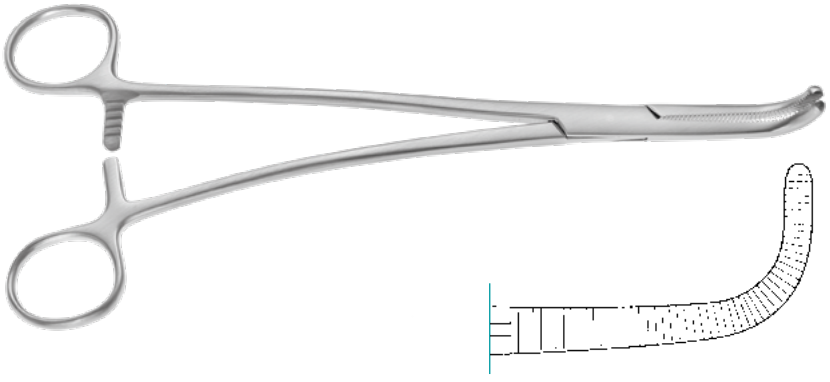
Fig. 2

B 280mm, 11″	140-619-275



LAWRENCE
Kidney Pedicle Clamp

275mm, $10^{7/8}$″	140-617-275



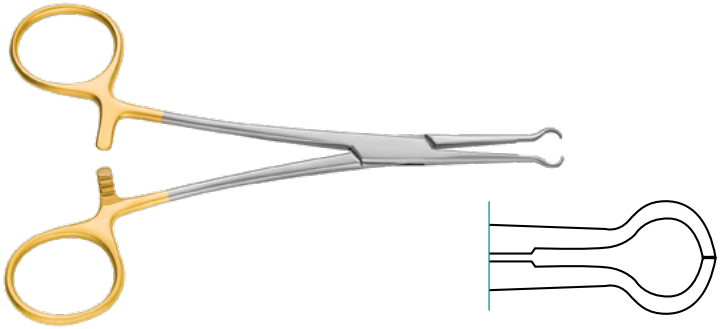
GRAY
Gall Duct Clamp, s-curved

220mm, $8^{2/3}$″	140-607-220
230mm, 9″	140-607-230



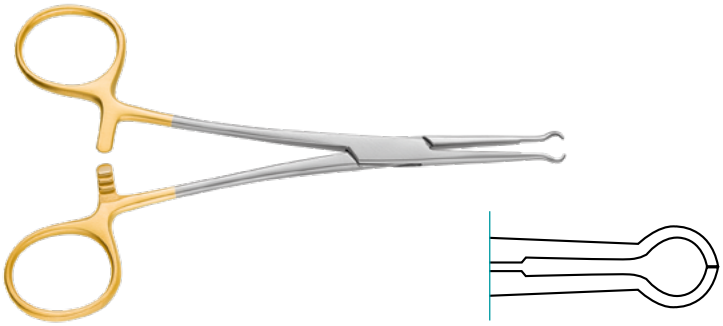
No-Scalpel Vasectomy Forceps, sharp, pointed, smooth curved jaw

125mm, 5"	140-353-125



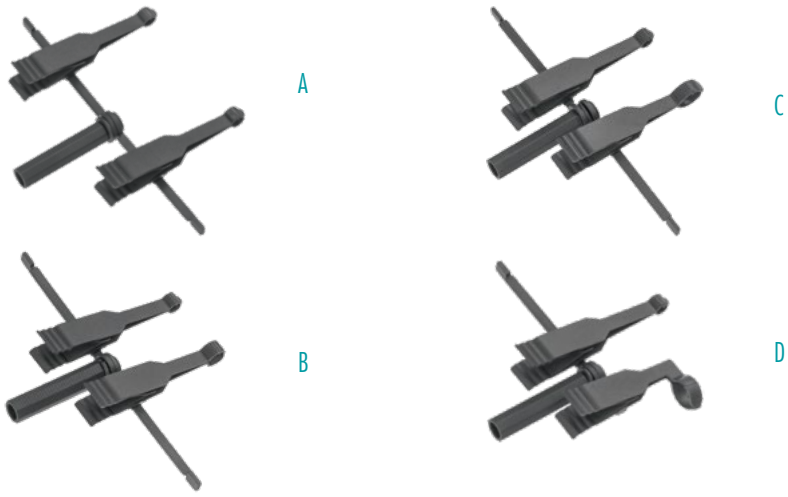
No-Scalpel Vasectomy Fixator Ring Forceps, blunt tip, ∅4.7mm ring size

140mm, 5 1/2"	140-352-140



No-Scalpel Vasectomy Mini Fixator Ring Forceps, blunt tip, ∅3mm ring size

140mm, 5 1/2"	140-353-140



A Microspike Approximator Clamp for Vasovasostomy

∅2mm	270-150-001

B for Vasovasostomy

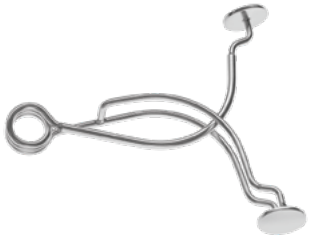
∅ 4mm / ∅ 2mm	270-150-002

C for Vasovasostomy, end-to-end, for Vasoepididymostomy

∅ 6mm / ∅ 2mm	270-150-003

D for Vasovasostomy, end-to-side, for Vasoepididymostomy

∅ 6mm / ∅ 2mm	270-150-200



STOCKMANN
Meatus Clamp
80mm, 3 1/6" 320-998-000



STRAUSS
Penis Seizing Forceps
130mm, 5 1/8" 320-999-000



FOLEY
Catheter Spanner/Introducer
455mm, 18" 320-603-455

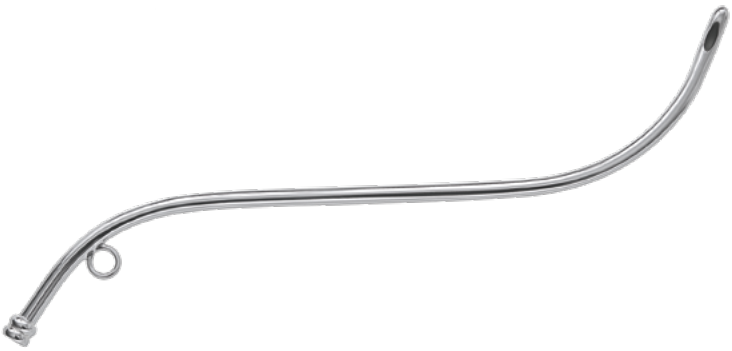


GUYON
Catheter, curved
390mm, 15 1/2" 253-310-390



Metal Catheter for women

8 Charr.	320-721-080
10 Charr.	320-721-100
11 Charr.	320-721-110
12 Charr.	320-721-120
14 Charr.	320-721-140
16 Charr.	320-721-160
18 Charr.	320-721-180
20 Charr.	320-721-200
22 Charr.	320-721-220
24 Charr.	320-721-240



Rotunda Catheter, s-curved

8 Charr.	320-723-080
10 Charr.	320-723-100
12 Charr.	320-723-120
14 Charr.	320-723-140
16 Charr.	320-723-160
18 Charr.	320-723-180
20 Charr.	320-723-200
22 Charr.	320-723-220
24 Charr.	320-723-240



Metal Catheter for men
working length: 290mm, 11 1/2"

8 Charr.	320-720-080
10 Charr.	320-720-100
11 Charr.	320-720-110
12 Charr.	320-720-120
14 Charr.	320-720-140
16 Charr.	320-720-160
18 Charr.	320-720-180
19 Charr.	320-720-190
20 Charr.	320-720-200
22 Charr.	320-720-220
24 Charr.	320-720-240



DITTEL
Bougie, straight

8 Charr.	253-320-225
9 Charr.	253-321-225
10 Charr.	253-322-225
11 Charr.	253-323-225
12 Charr.	253-324-225
14 Charr.	253-325-225
16 Charr.	253-326-225
18 Charr.	253-327-225
20 Charr.	253-328-225
22 Charr.	253-329-225
24 Charr.	253-330-225
25 Charr.	253-331-225
26 Charr.	253-332-225
27 Charr.	253-333-225
28 Charr.	253-334-225
30 Charr.	253-335-225
32 Charr.	253-336-225
34 Charr.	253-337-225



GUYON
Bougie, strongly curved

8 Charr.	253-340-335
9 Charr.	253-341-335
10 Charr.	253-342-335
11 Charr.	253-343-335
12 Charr.	253-344-335
14 Charr.	253-345-335
16 Charr.	253-346-335
18 Charr.	253-347-335
20 Charr.	253-348-335
22 Charr.	253-349-335
24 Charr.	253-350-335
25 Charr.	253-351-335
26 Charr.	253-352-335
27 Charr.	253-353-335
28 Charr.	253-354-335
30 Charr.	253-355-335
32 Charr.	253-356-335
34 Charr.	253-357-335



VAN BUREN
Bougie, curved

10 Charr.	253-650-010
12 Charr.	253-650-012
14 Charr.	253-650-014
16 Charr.	253-650-016
18 Charr.	253-650-018
20 Charr.	253-650-020
22 Charr.	253-650-022
24 Charr.	253-650-024
26 Charr.	253-650-026
28 Charr.	253-650-028
30 Charr.	253-650-030
32 Charr.	253-650-032
34 Charr.	253-650-034
36 Charr.	253-650-036



DITTEL
Bougie, slightly curved

8 Charr.	253-320-335
9 Charr.	253-321-335
10 Charr.	253-322-335
11 Charr.	253-323-335
12 Charr.	253-324-335
14 Charr.	253-325-335
16 Charr.	253-326-335
18 Charr.	253-327-335
20 Charr.	253-328-335
22 Charr.	253-329-335
24 Charr.	253-330-335
25 Charr.	253-331-335
26 Charr.	253-332-335
27 Charr.	253-333-335
28 Charr.	253-334-335
30 Charr.	253-335-335
32 Charr.	253-336-335
34 Charr.	253-337-335



A

OTIS

A Dilation Urethrotome, complete with 3 atraumatic tip and 2 knifes, wooden case

253-500-100

wooden case only 253-500-103

B Urethrotome only

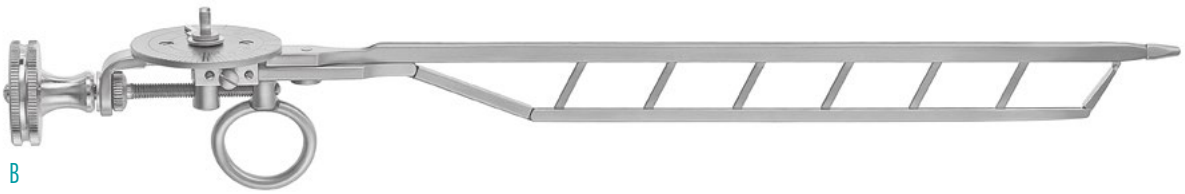
253-500-101

C Knife only

253-500-102

D Set with 3 atraumatic tip only

253-500-108



B



C



D





KEITZER

Urethrotome, complete

253-500-104

Urethrotome only

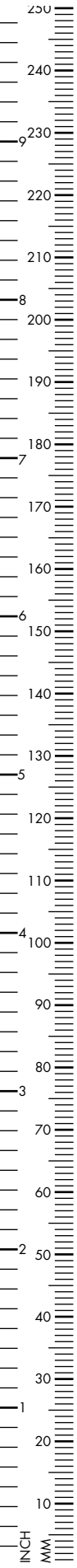
253-500-105

Knife only, pointed

253-500-106

Knife only, blunt

253-500-116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RECTAL



Specula / Retractors
Proctoscopes
Hemorrhoidal Ligation
Probes
Forceps



PRATT
Rectal Speculum, blade 89 x 25mm

205mm, 8 1/8"	310-602-000



BODENHAMMER
Rectal Speculum, blade 89 x 17mm

150mm, 6"	310-601-150



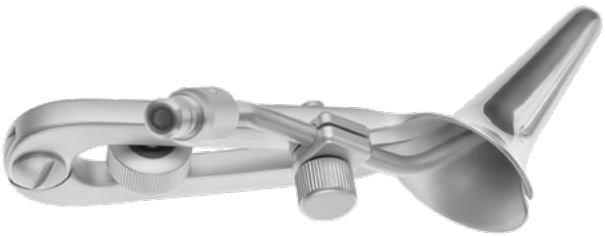
SIMS
Rectal Speculum, fenestrated valves, blade 89 x 25mm

150mm, 6"	310-603-150



BODENHAMMER
Rectal Speculum, with fiberoptic,
blade 89 x 25mm

150mm, 6"	310-801-150



ROSCHKE
Proctoscope, 15 - 30 x 70mm

	310-805-070



SIMS
Rectal Specula with wire blades,
20 x 60mm

190mm, 7 1/2"	310-608-060
with fibreoptic connection	
190mm, 7 1/2"	310-808-060



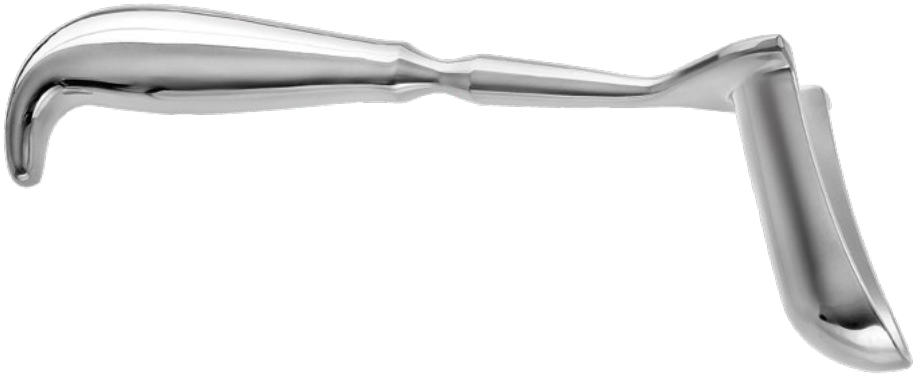
SMITH BUIE
Rectal Speculum, max. spread: 115mm
valves: 23x70mm

150mm, 6"	310-610-150



ALAN PARKS
Rectal Retractor, 2 pair blades & centre blade

135mm, $5^{1/3}$"	310-020-135



HILL FERGUSON
Rectal Retractor

67x22mm	310-587-001
76x30mm	310-587-002
79x36mm	310-587-003



SAWYER
Rectal Retractor, loop handle

64x22mm	310-585-001
76x29mm	310-585-002
89x38mm	310-585-003



CZERNEY
Rectal Speculum

225mm, $8^{7/8}$"	310-580-001



KELLY
Sphincteroscope

21x50mm	310-679-210
27x50mm	310-679-270



HIRSCHMANN
Anoscope

16x65mm	310-655-001
19x65mm	310-655-002
22x65mm	310-655-003
22x130mm	310-655-004



KELLY
Proctoscope

22x50mm	310-675-050
22x100mm	310-675-100
22x140mm	310-675-140
22x145mm	310-675-145
22x200mm	310-675-200



MORGAN

Proctoscope with connector for cold light

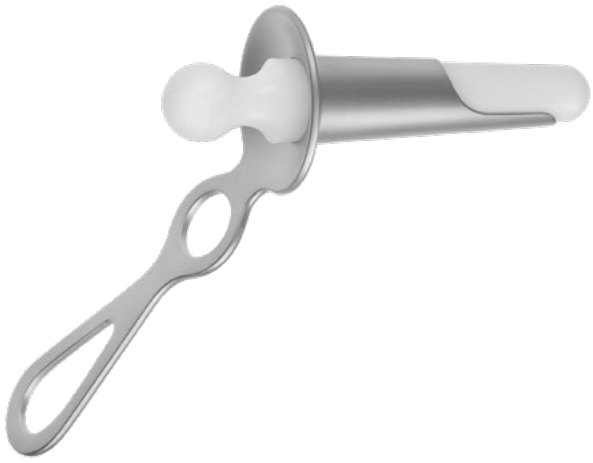
17x65mm	310-700-065
20x65mm	310-701-065
24x65mm	310-702-065

Illumination Adapter

310-710-000

Cold Light Mount Clip

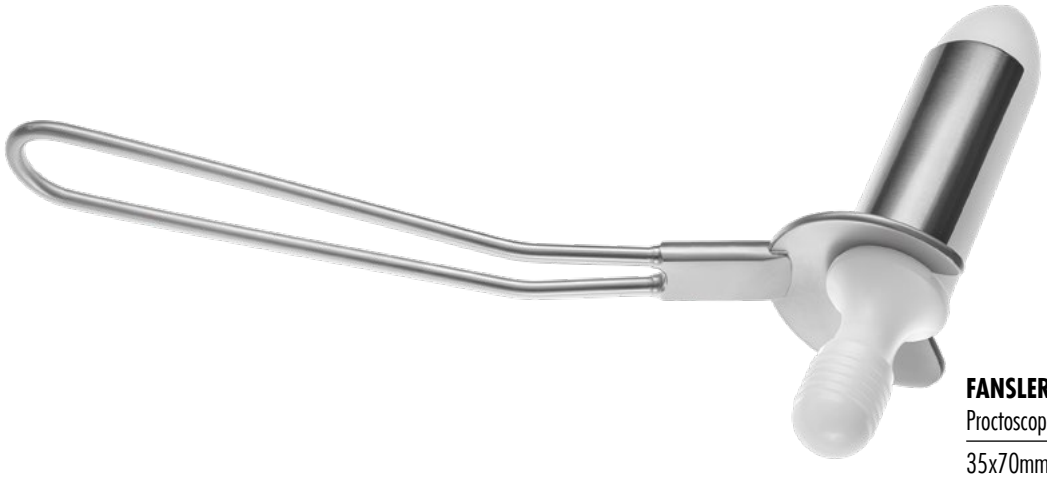
310-710-100



VERNON DAVID

Ø17 to 23mm, fenestrated handle

310-652-000



FANSLER
Proctoscope

35x70mm	310-705-029



FANSLER
Proctoscope

38x70mm	310-705-038



IVES-FANSLER
Proctoscope

70x38mm	310-695-122



CHELSEY EATON
Anoscope

22x65mm	310-022-065
30x65mm	310-030-065



BRINCKERHOFF
Rectal Specula, 89mm working length
Fig. 1

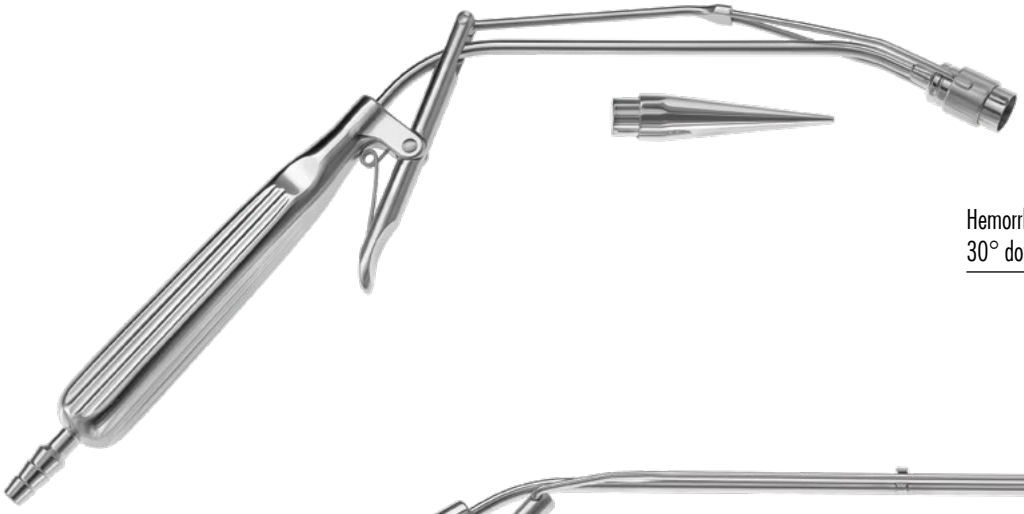
13x25mm	310-654-001

102mm working length
Fig. 2

15x25mm	310-654-002

114mm working length
Fig. 3

19x32mm	310-654-003



Hemorrhoidal Suction Ligator, 10mm,
30° downward angled

340-008-100



RZ
Hemorrhoidal Suction Ligator, 10mm,
with loading cone and suction,
ligature rings 100 pcs.

straight	340-013-100
upward angled	340-015-100
downward angled	340-014-100



MCGIVNEY
Hemorrhoidal Suction Ligator, complete
incl. ligature rings set of 100 each

340-005-000



RUDD
Cone

10mm	340-010-010

Ligature rubber rings, non sterile, latex free

100 pcs.	340-011-000



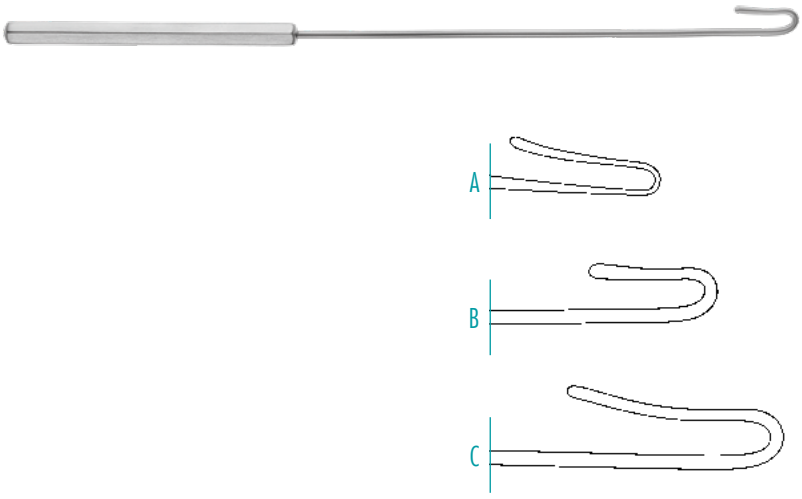
LARRY
Rectal probe and grooved director

150mm, 6"	160-190-150



PRATT
Rectal probe

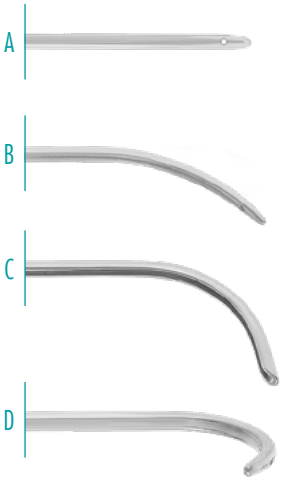
280mm, 11"	310-685-280



PRATT
Fistula Probe, 210mm, 8 1/4"

A narrow curved	340-401-210
B short curved	340-402-210
C long hook	340-403-210





LOCKHART MUMMERY
Fistula Probe, 165mm, 6 1/2″

A straight	160-110-001
B 45°	160-110-002
C 90°	160-110-003
D retrograde curved	160-110-004



YEOMAN
Biopsy Specimen Forceps, 280mm, 11″

Fig. 1	310-720-280
Fig. 2	310-721-280
350mm, 14″	
Fig. 1	310-720-350
Fig. 2	310-721-350
480mm, 16 1/2″	
Fig. 1	310-720-420
Fig. 2	310-721-420

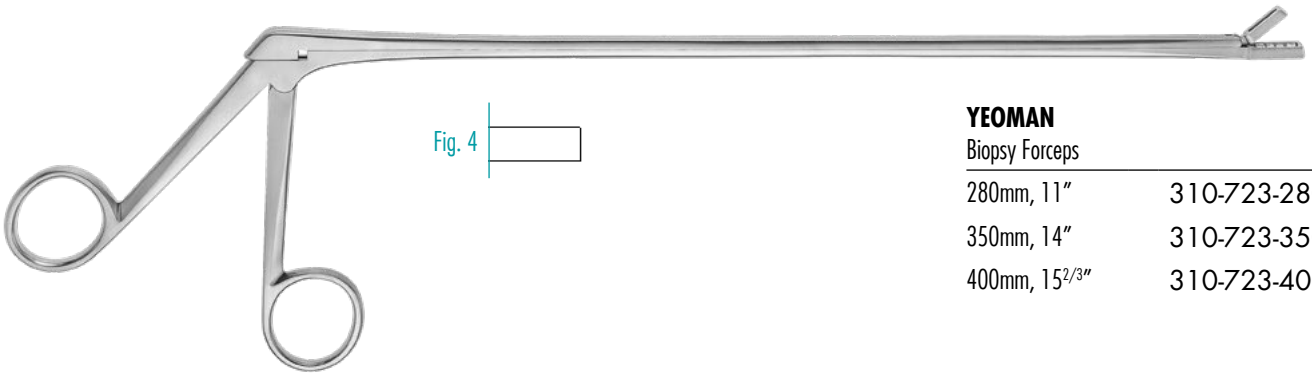


Fig. 4

YEOMAN
Biopsy Forceps

280mm, 11″	310-723-280
350mm, 14″	310-723-350
400mm, 15 2/3″	310-723-400

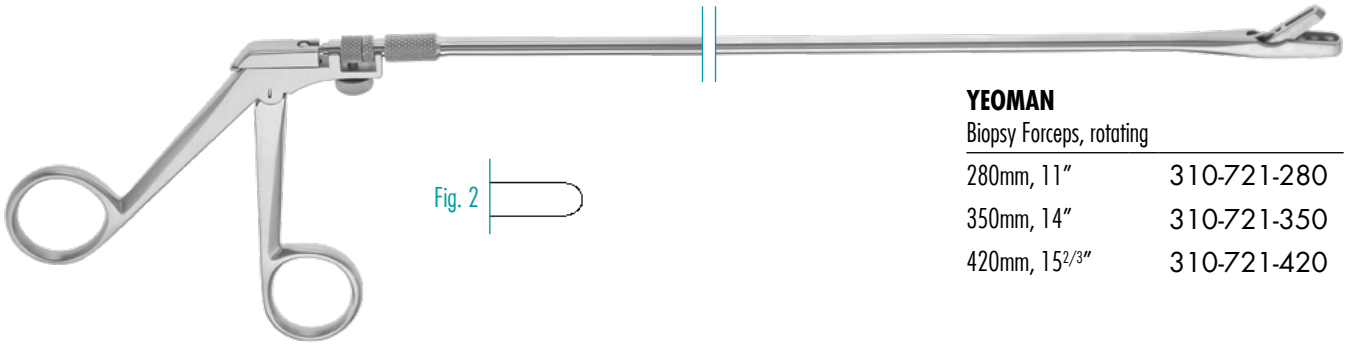
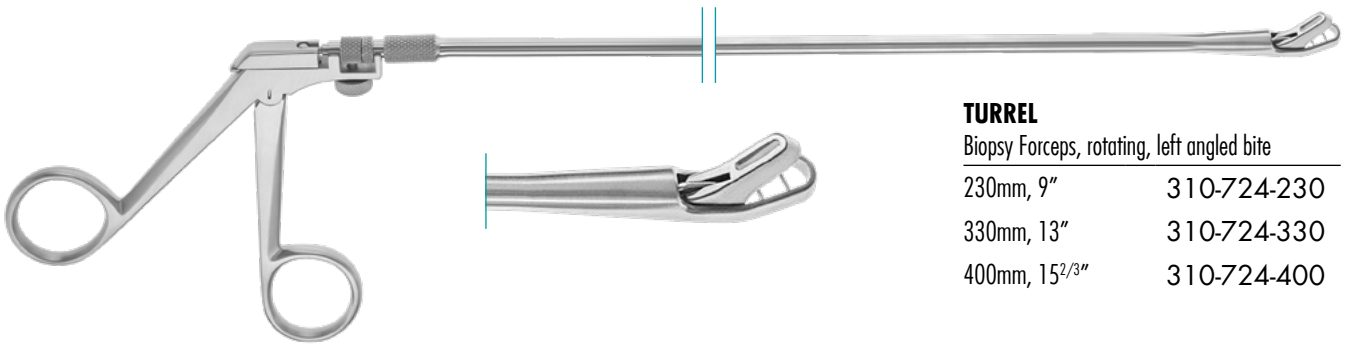


Fig. 2

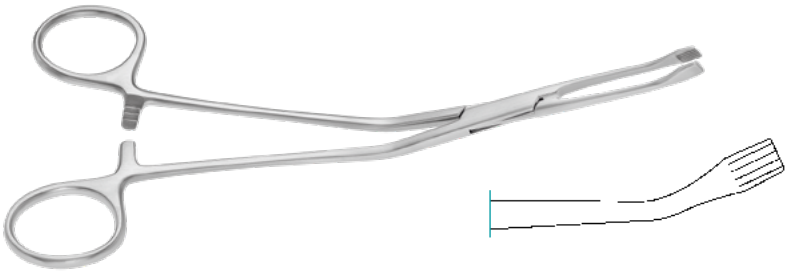
YEOMAN
Biopsy Forceps, rotating

280mm, 11″	310-721-280
350mm, 14″	310-721-350
420mm, 15 2/3″	310-721-420



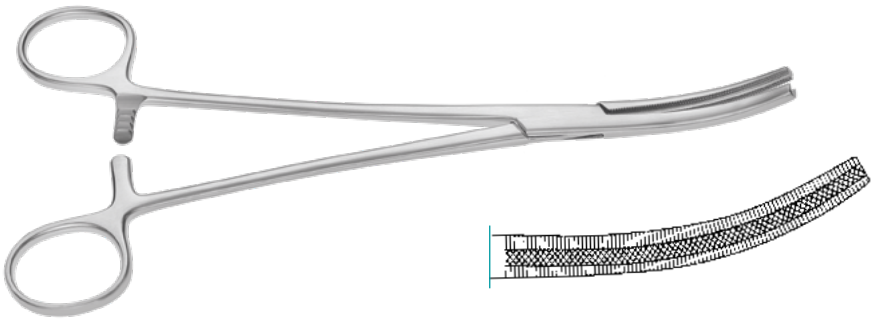
TURREL
Biopsy Forceps, rotating, left angled bite

230mm, 9″	310-724-230
330mm, 13″	310-724-330
400mm, 15 2/3″	310-724-400



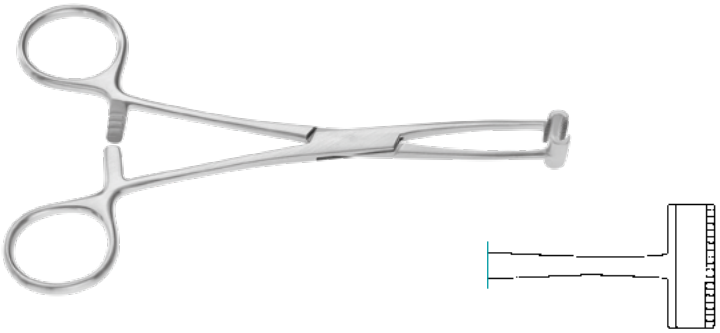
MCGIVNEY
Hemorrhoidal Grasping Forceps
double curved

190mm, 7 1/2"	340-009-190



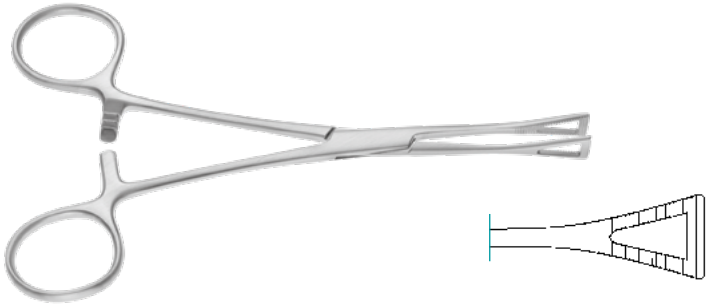
BUIE
Forceps, curved

210mm, 8 1/4"	140-541-210



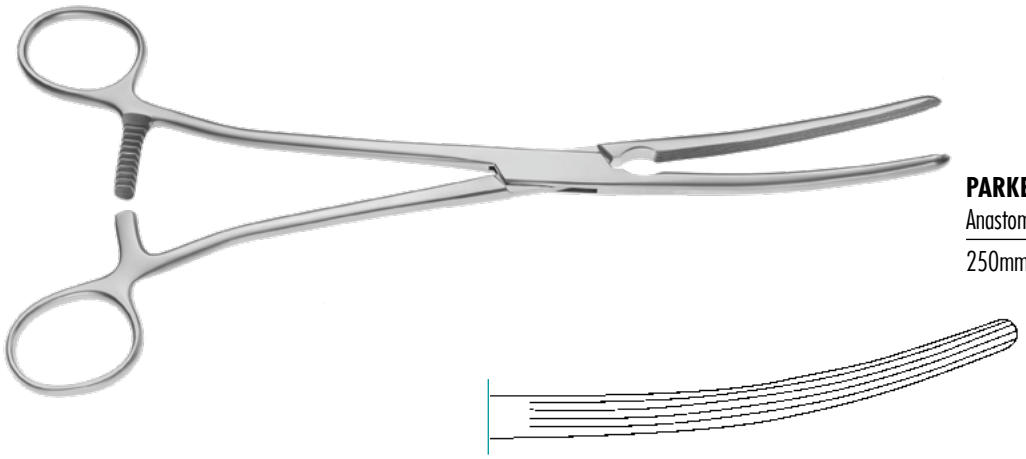
PRATT
T- Hemostatic Forceps

150mm, 6"	140-282-150



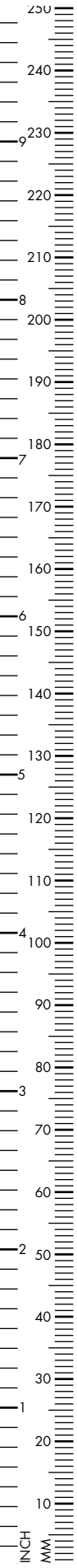
PENNINGTON
Tissue Holding Forceps

155mm, 6 1/8"	140-240-155
200mm, 8"	140-240-200



PARKER KERR
Anastomosis Forceps

250mm, 9 7/8"	290-463-250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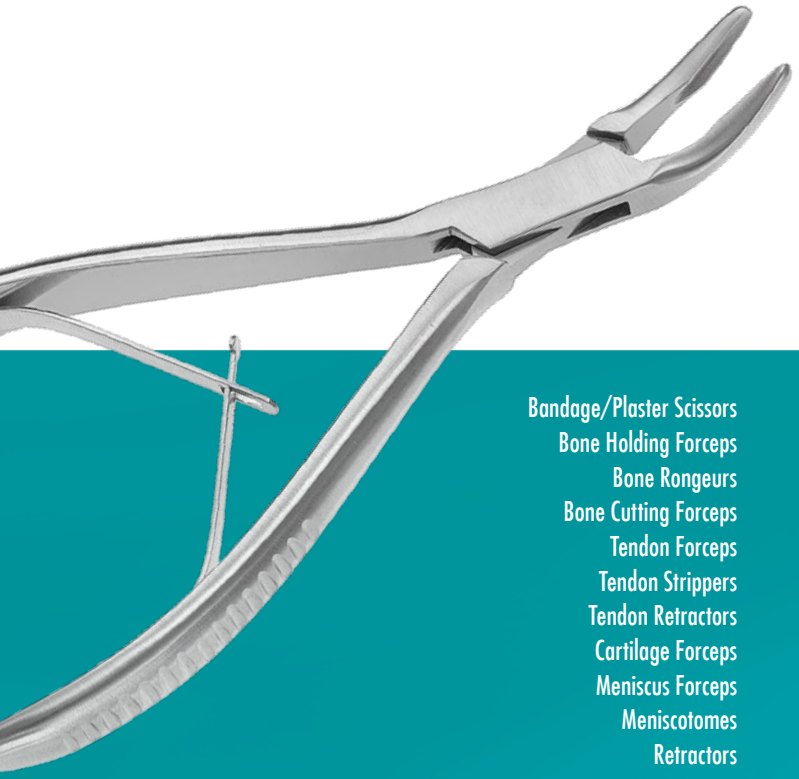


Bandage/Plaster Scissors
Bone Holding Forceps
Bone Rongeurs
Bone Cutting Forceps
Tendon Forceps
Tendon Strippers
Tendon Retractors
Cartilage Forceps
Meniscus Forceps
Meniscotomes
Retractors
Bone Levers
Elevators
Periosteal Elevators
Dissectors

Raspatories
Curettes
Osteotomes/Gouges/Chisels
Mallets
Bone Tampers
Rasps
Wire Instruments
Wire Cutters
Wire Guides
Wire Extension
Reamers, Trephines / Awls
Hand Drills
Screw Drivers
Rulers/Calipers
Amputation



LISTER
Plaster Cast / Bandage Scissors

90mm, 3 1/2"	190-165-090
110mm, 4 1/3"	190-165-110
140mm, 5 1/2"	190-165-140
180mm, 7"	190-165-180
200mm, 8"	190-165-200
210mm, 8 1/4"	190-170-210



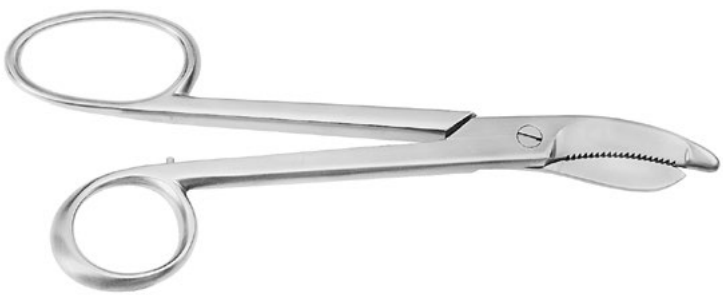
TC LISTER
Bandage Scissors

180mm, 7"	190-291-180



LISTER EXCENTRIC
Plaster Cast / Bandage Scissors, serrated

160mm, 6 1/4"	190-177-160
190mm, 7 1/2"	190-177-190



BRUNS
Plaster Scissors, 240mm, 9 1/2"

serrated blade	190-223-240
smooth blade	190-224-240



Cloth Scissors, serrated

200mm, 8″	190-211-200



BERGMANN
Plaster Scissors

230mm, 9″	190-195-230



ESMARCH
Plaster Scissors

200mm, 8″	190-205-200
220mm, $8^{2/3}$″	190-205-220



STILLE
Plaster Cast Scissors

260mm, 10 1/4"	190-250-260
370mm, 14 1/2"	190-250-370



WALTON
Plaster Cast Spreader, single hand model

230mm, 9"	190-522-230



HENNING
Plaster Spreader

280mm, 11"	190-516-280



WOLFF BOEHLER
Plaster Cast Breaker

180mm, 7"	190-530-180
240mm, 9 1/2"	190-530-240



UNIVERSAL
Plaster and cloth scissors, small,
140mm, 5 1/2"

black	190-209-151
red	190-209-152
yellow	190-209-153
green	190-209-154



UNIVERSAL
Plaster and cloth scissors, big,
180mm, 7"

blue	190-209-180
black	190-209-181
red	190-209-182
yellow	190-209-183
green	190-209-184
orange	190-209-185









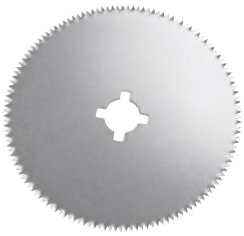
Plaster Saw, incl. round saw blade 65mm, 50mm, pair of wrenches, hexagonal key

230V (black)	200-115-100
110V (blue)	200-115-101



Carry Case with foam inlay

230V	200-115-500



Spare Blade, plaster

Ø 45mm	200-115-145
Ø 50mm	200-115-150
Ø 65mm	200-115-165

Synthetic Cast

Ø 45mm	200-116-145
Ø 50mm	200-116-150
Ø 65mm	200-116-165

PTFE coated (non-stick)

Ø 50mm	200-117-150
Ø 65mm	200-117-165



Vacuum Cleaner

230V	200-118-100



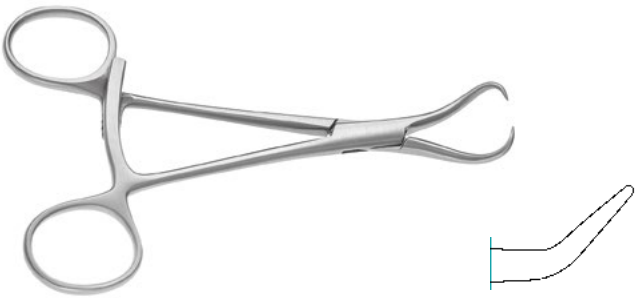
Bone Reposition Forceps

95mm, 3 3/4" 210-651-095



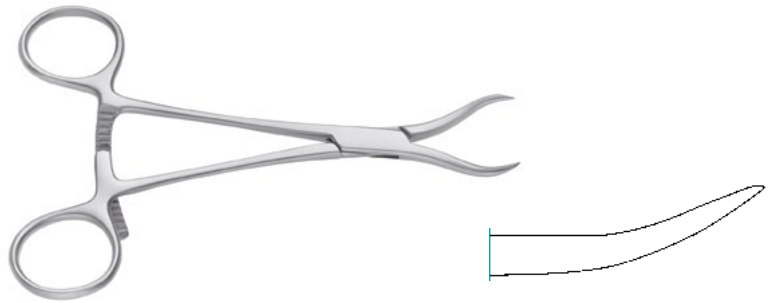
STAGBEETLE
Bone Reposition Forceps, curved fine tip, for small fragments

120mm, 4 3/4" 210-651-120



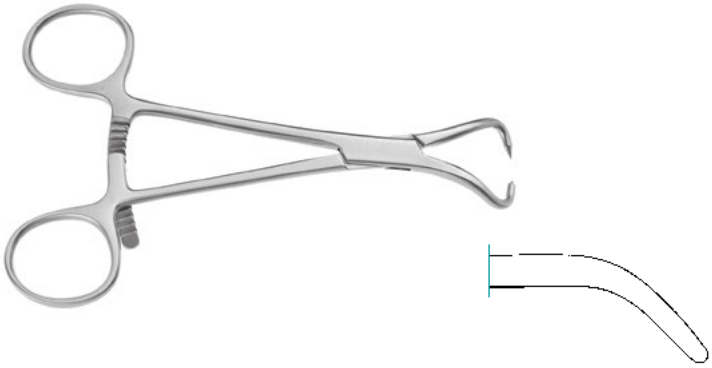
STEINHAUSER
Bone Reposition Forceps, extra long ratchet

135mm, 5 1/3" 210-651-135



Bone Reposition Forceps
for maxillary reposition

135mm, 5 1/3"	210-651-130



Bone Reduction Forceps, curved,
stepped point

135mm, 5 1/3"	210-665-135
170mm, 6 2/3"	210-665-170



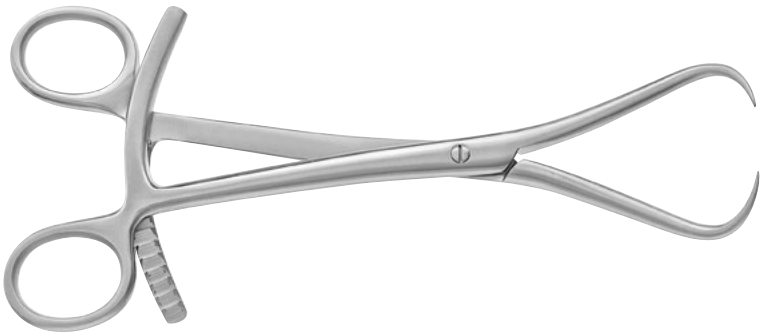
HAASE
Reposition Forceps

165mm, 6 1/2"	210-251-165



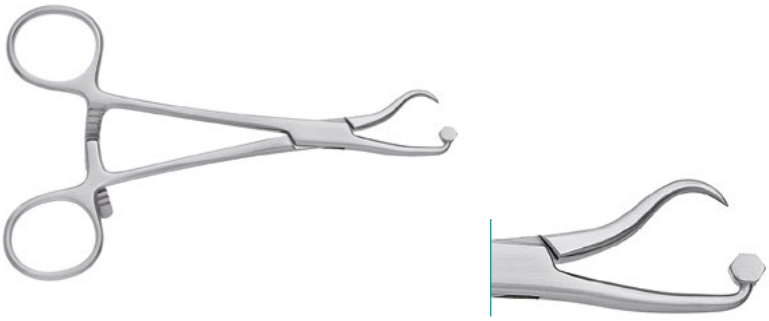
REILL
Reposition Forceps

170mm, 6 2/3"	210-649-170



Reposition Forceps

200mm, 8"	210-651-200



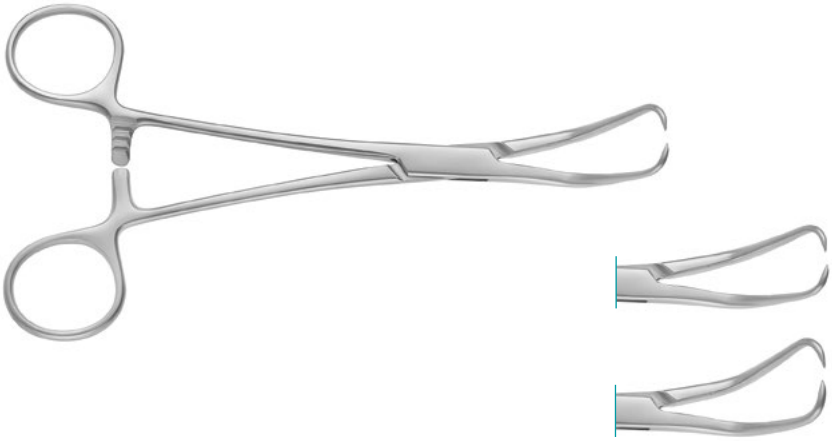
Bone Fragment Clamp

120mm, 4 3/4"	210-631-120



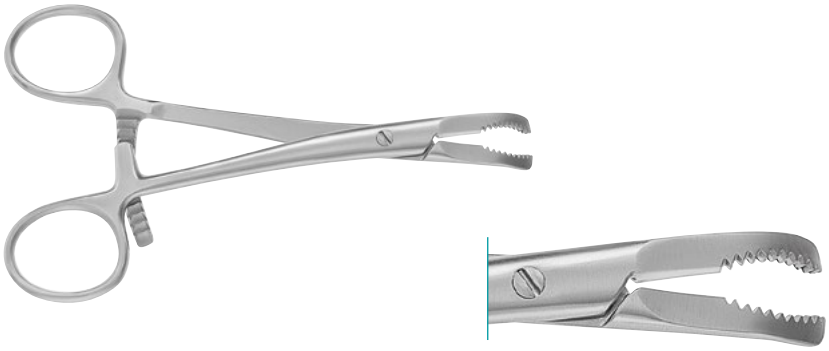
MEYER
Reposition Forceps for Finger,
with drill guide

170mm, 6 2/3"	210-650-170
200mm, 8"	210-650-200



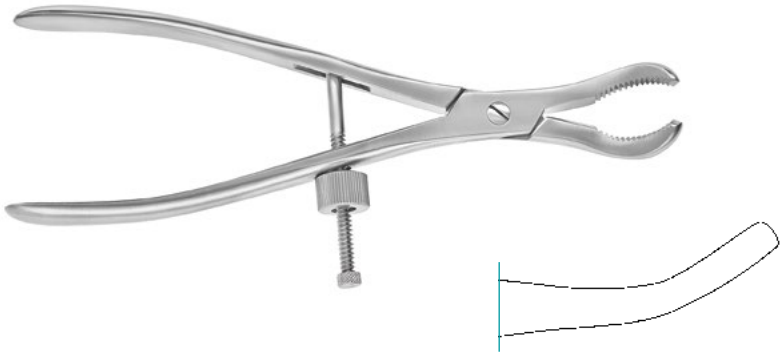
BANKART
Perforating Forceps, 170mm, 6 2/3"

slightly curved	259-900-000
strongly curved	259-900-001



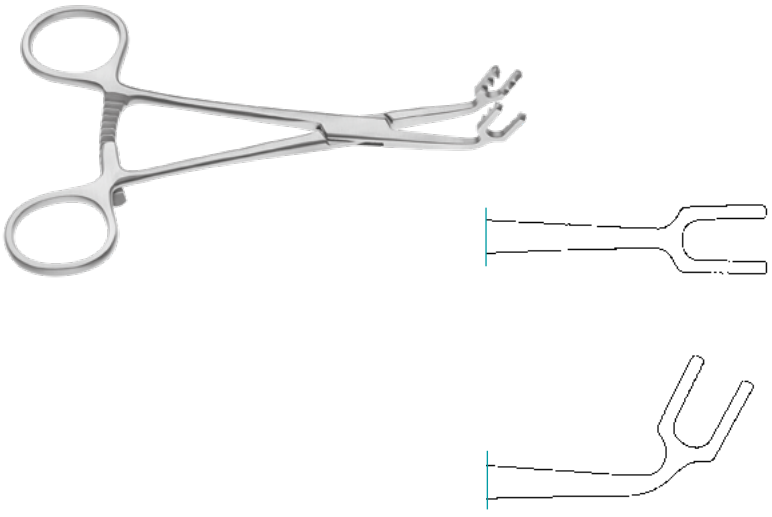
Reposition Forceps

140mm, 5 1/2"	210-718-140



SETTER
Bone Holding Forceps, curved, speed lock

160mm, 6 1/4"	210-719-160
225mm, 8 7/8"	210-719-220



IKUTA
Bone Clamp, 8 pointed teeth jaw,
140mm, 5 1/2", straight

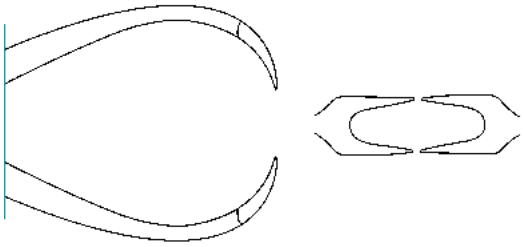
5mm space opening	210-654-005
8mm space opening	210-654-008
160mm, 6 1/4", straight	
10mm space opening	210-654-010
curved	
5mm space opening	210-655-005
8mm space opening	210-655-008
160mm, 6 1/4", curved	
10mm space opening	210-655-010



LEWIN
Bone Holding Forceps, serrated, slightly curved

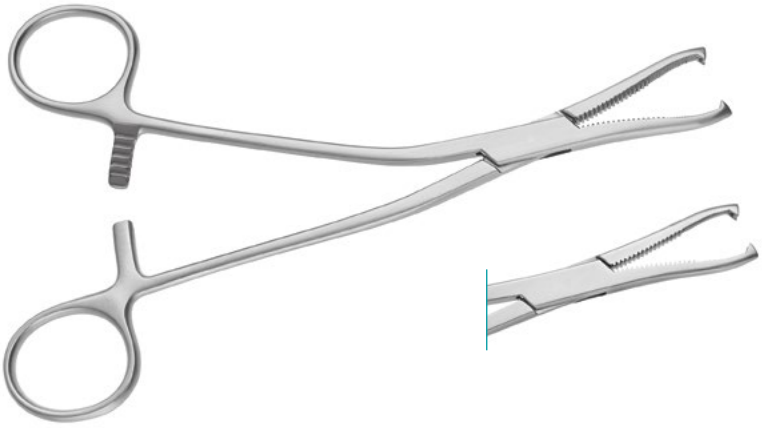
180mm, 7"	210-618-175





Patella Holding Forceps, 2x2 sharp teeth

185mm, 7 1/4"	210-654-185

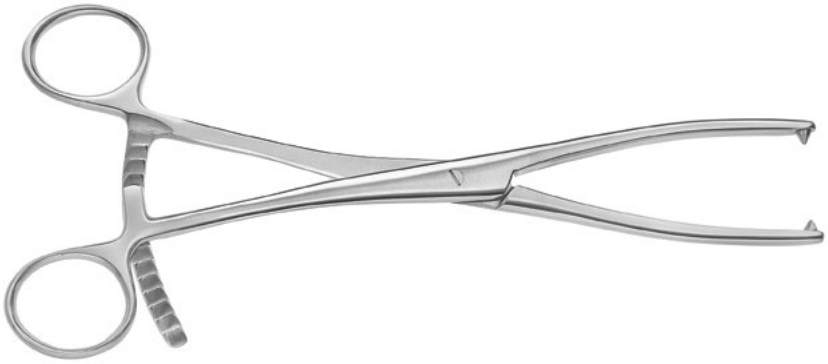


DINGMANN
Bone Holding Forceps, delicate pattern

190mm, 7 1/2"	210-625-190

heavy pattern

190mm, 7 1/2"	210-626-190



MEYER
Malleolar Reposition Forceps

210mm, 8 1/4"	210-656-210



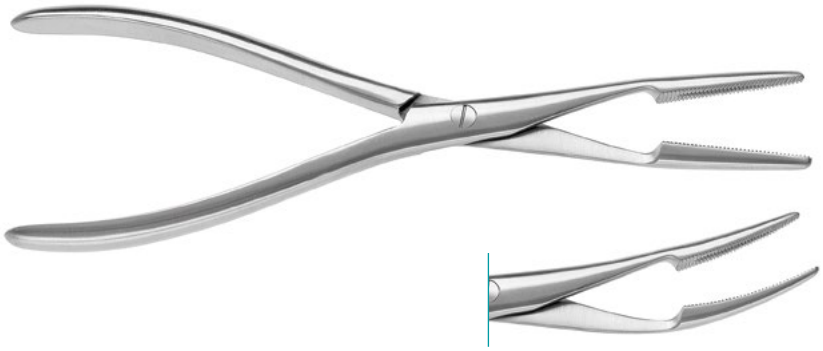
Bone Holding Forceps

200mm, 8"	210-657-200



FROSCH
Bone Holding Forceps

180mm, 7"	210-726-180



Sequestrum Forceps, 200mm, 8"

Straight	210-610-200
Curved	210-611-200



VAN BUREN
Sequestrum Forceps, curved

230mm, 9"	210-615-230



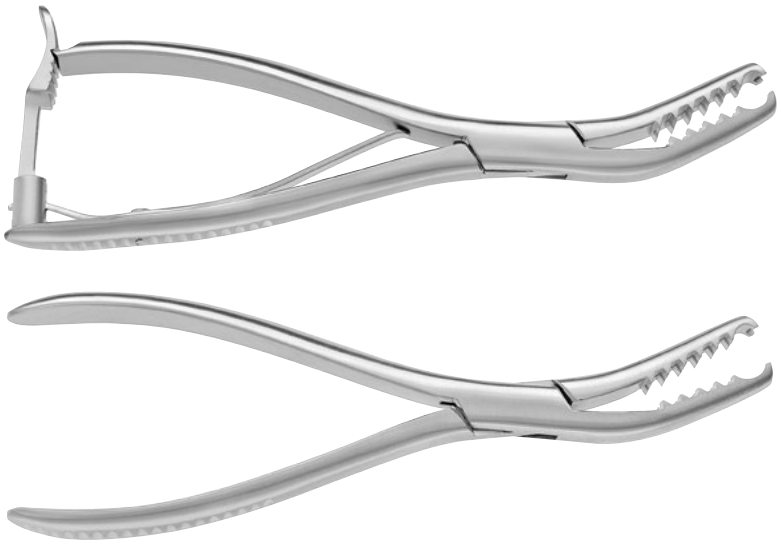
LANGENBECK
Bone Holding Forceps, 11mm wide

210mm, 8 1/4"	210-722-210



FERGUSSON
Bone Holding Forceps, 12mm wide

210mm, 8 1/4"	210-724-210



SEMB
Bone Holding Forceps, laterally curved
with ratchet

190mm, 7 1/2"	210-624-190

without ratchet

190mm, 7 1/2"	210-623-190



FARABEUF
Bone Holding Forceps

230mm, 9"	210-630-230
260mm, 10 1/4"	210-630-260



FARABEUF LAMBOTTE
Bone Holding Forceps, with ratchet

260mm, 10 1/4"	210-634-260

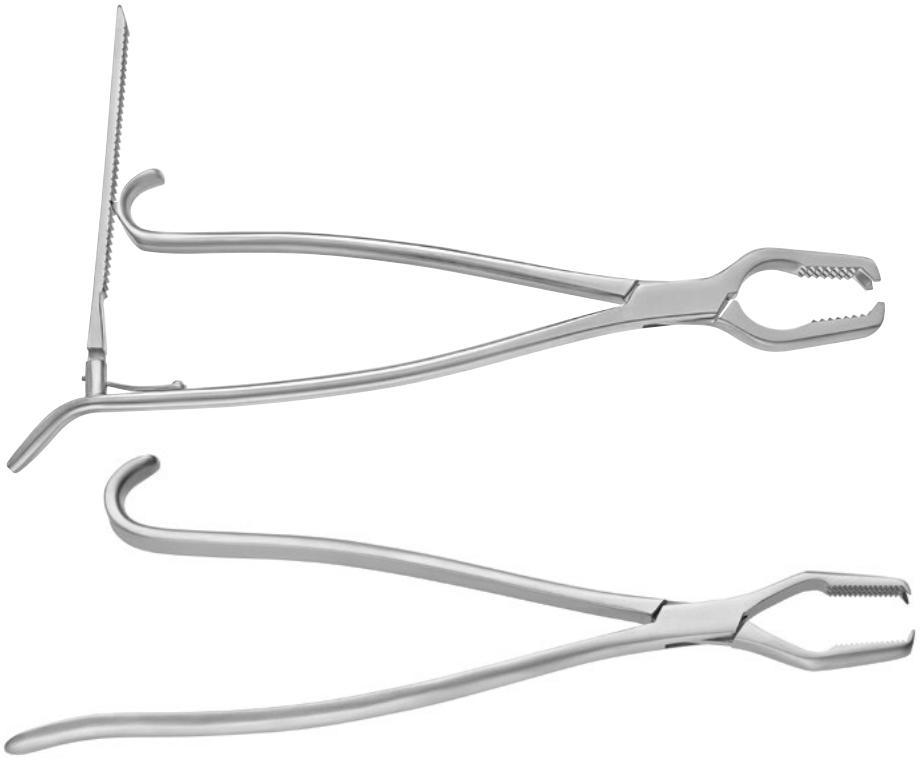


KERN
Bone Holding Forceps, with ratchet

170mm, $6^{2/3}$"	210-621-170
240mm, $9^{1/2}$"	210-621-210

without ratchet

170mm, $6^{2/3}$"	210-620-170
240mm, $9^{1/2}$"	210-620-210

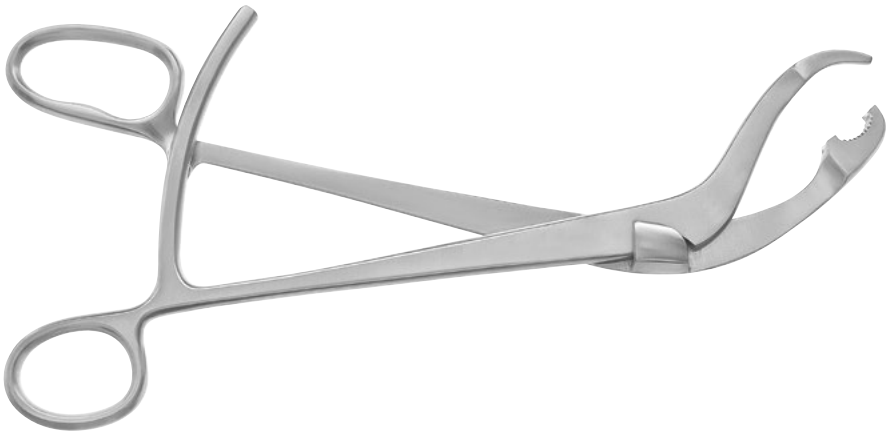


LANE
Bone Holding Forceps, with ratchet

330mm, 13"	210-612-330
450mm, $17^{3/4}$"	210-612-450

without ratchet

330mm, 13"	210-610-330
450mm, $17^{3/4}$"	210-610-450



VERBRUGGE
Bone Holding Forceps

175mm, $6^{7/8}$"	210-605-170
250mm, $9^{7/8}$"	210-605-250
260mm, $10^{1/4}$"	210-605-260
270mm, $10^{2/3}$"	210-605-270



Bone Holding Forceps, self-centering

150mm, 6"	210-603-150
190mm, $7^{1/2}$"	210-603-190
240mm, $9^{1/2}$"	210-603-240
260mm, $10^{1/4}$"	210-603-260
280mm, 11"	210-603-280



LAMBOTTE
Bone Holding Forceps, movable jaw

220mm, $8^{2/3}$", 10mm jaw width	210-640-220
260mm, $10^{1/4}$" 13mm jaw width	210-640-270
330mm, $11^{7/8}$" 16mm jaw width	210-640-300



HEY GROVE
Bone Holding Forceps

210mm, $8^{1/4}$"	210-600-230
245mm, $9^{2/3}$"	210-600-250
270mm, $10^{2/3}$"	210-600-270
300mm, $11^{7/8}$"	210-600-300



ULRICH
Bone Holding Forceps, straight

190mm, $7^{1/2}$" Fig. 0	210-602-190
230mm, 9" Fig. 1	210-602-230
250mm, $9^{7/8}$" Fig. 2	210-602-250
280mm, 11" Fig. 3	210-602-280



ULRICH
Bone Holding Forceps, laterraly angled

190mm, $7^{1/2}$" Fig. 0	210-601-190
230mm, 9" Fig.1	210-601-230
250mm, $9^{7/8}$" Fig. 2	210-601-250
280mm, 11" Fig. 3	210-601-280



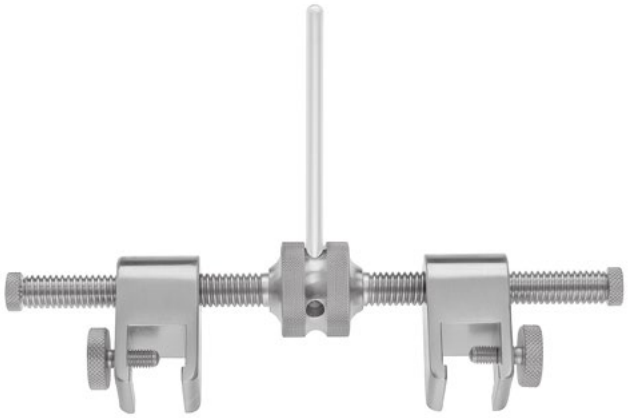
LOWMAN

Bone Holding Clamp, 1x1 teeth

130mm, 5 1/8"	210-982-130
185mm, 7 1/4"	210-982-185
200mm, 8"	210-982-200

1x2 teeth

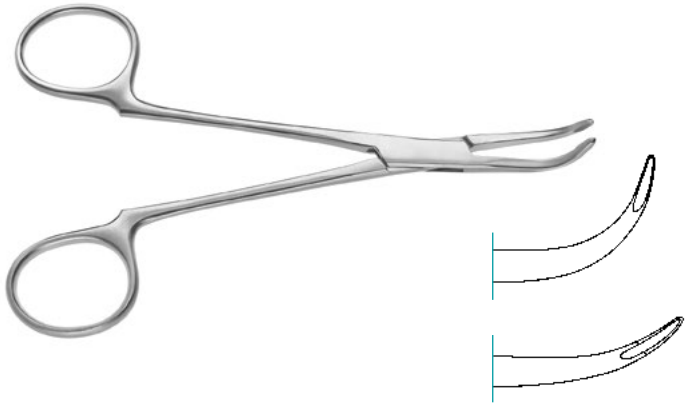
130mm, 5 1/8"	210-980-130
185mm, 7 1/4"	210-980-185
200mm, 8"	210-980-200
220mm, 8 2/3"	210-980-220



GERSTER

Traction Bar, max. Ø 25mm

160mm, 6 1/4"	210-981-150



Synovectomy Rongeur, 1.2mm wide jaw
130mm, 5 1/8"

Strongly curved	210-773-130
Slightly curved	210-774-130

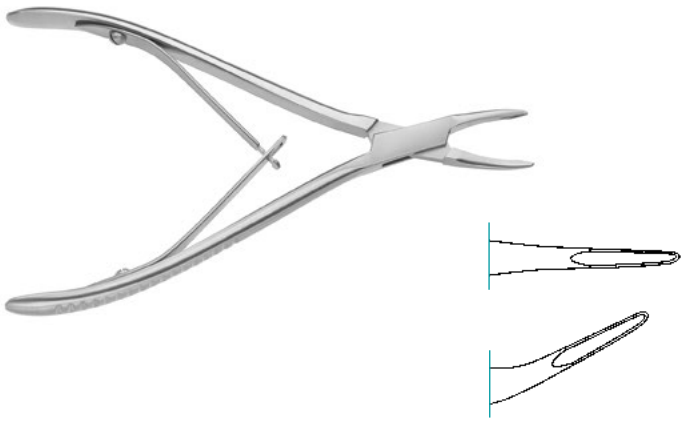
2.0mm wide jaw

Strongly curved	210-775-130
Slightly curved	210-776-130



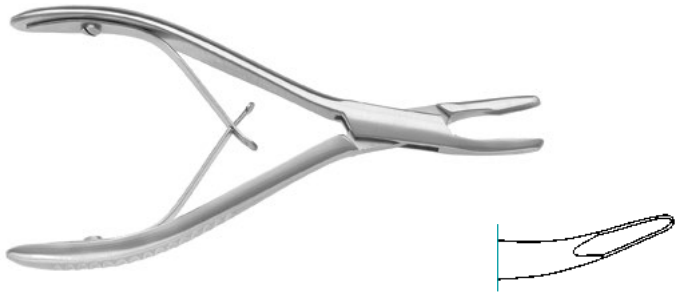
FRIEDMANN
Bone Rongeur, 90°, curved

140mm, 5 1/2"	210-642-120



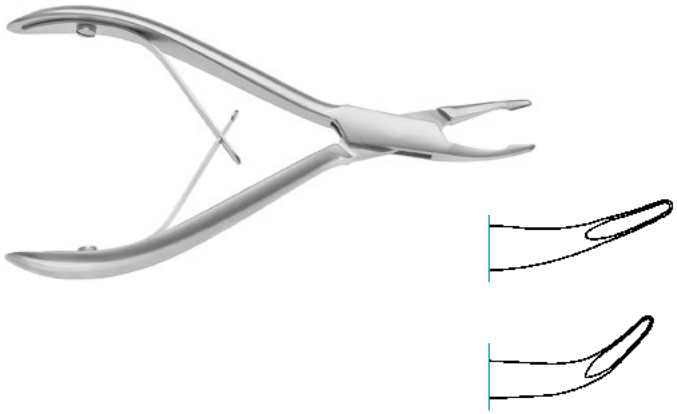
MINI FRIEDMANN
Bone Rongeur, 1.1mm delicate jaw
140mm, 5 1/2"

Straight	210-640-150
Curved	210-641-150



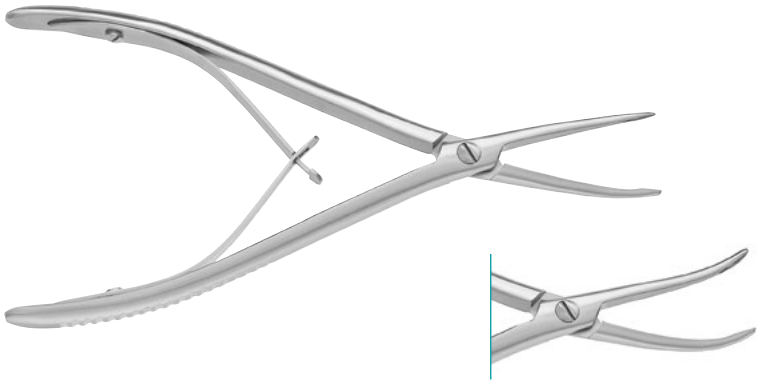
FRIEDMANN
Bone Rongeur, 140mm, 5 1/2"

Curved	210-640-140



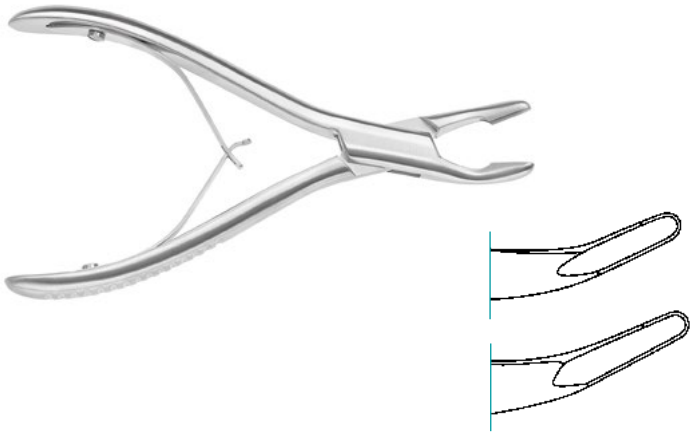
KLEINERT KUTZ
Bone Rongeur, 2mm jaw, 140mm, 5 1/2"

Slightly curved	210-642-140
Strongly curved	210-643-140



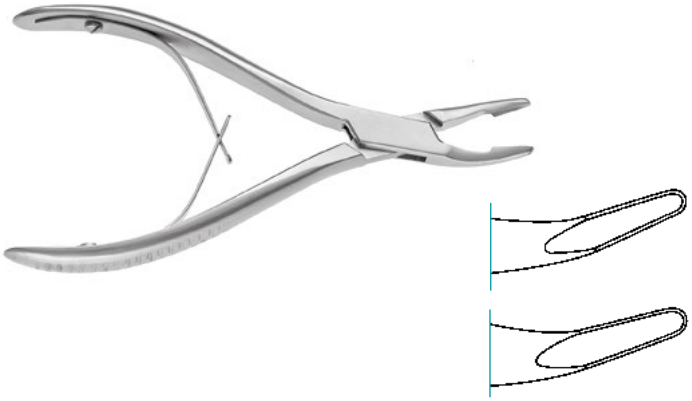
STELLBRINK
Synovectomy Rongeur, 2mm jaw, 170mm, 6 2/3"

Slightly curved	210-777-001
Strongly curved	210-777-002



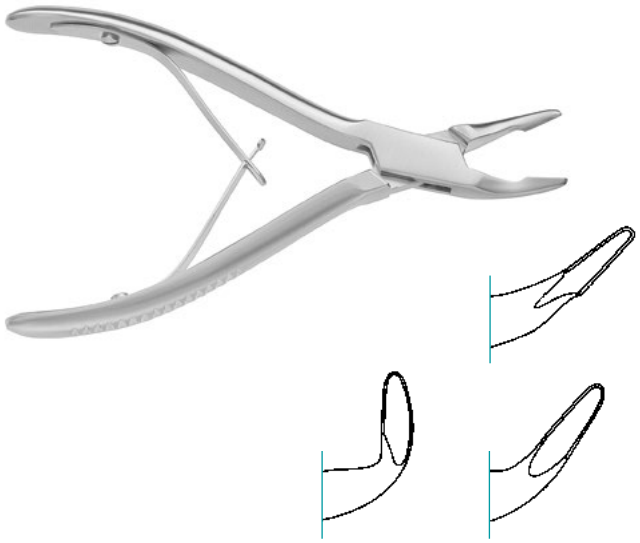
MEAD CLEVELAND
Bone Rongeur

#4 (Mead) 140mm, $5^{1/2}$"	210-805-140
#4A (Cleveland) 170mm, $6^{2/3}$"	210-805-170



MEAD
Bone Rongeur

#1, 140mm, $5^{1/2}$"	210-815-140
#1A, 170mm, $6^{2/3}$"	210-815-165



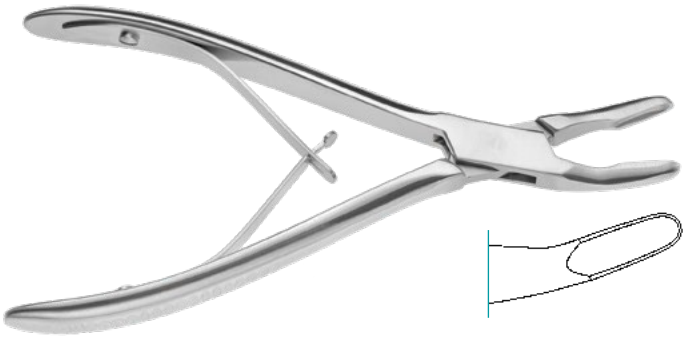
BLUMENTHAL
Bone Rongeur, 155mm, $6^{1/8}$"

30°	210-691-150
45°	210-693-150
90°	210-695-150



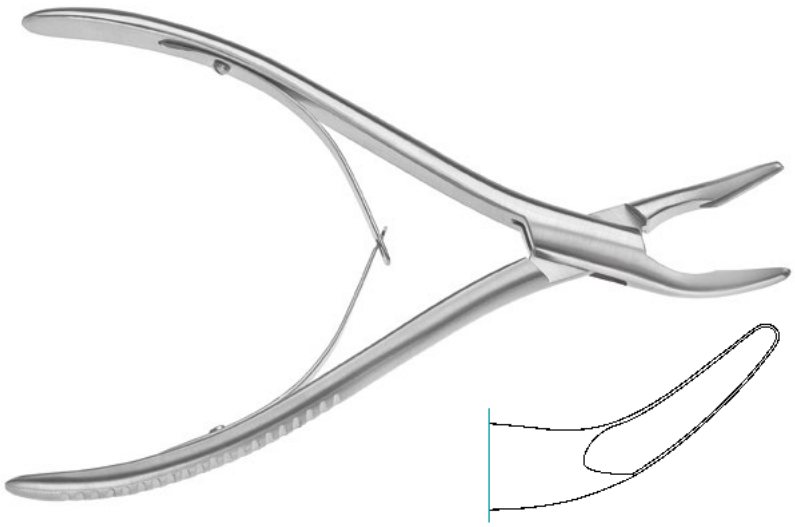
HARTMANN
Bone Rongeur

160mm, 6 1/4"	210-819-180



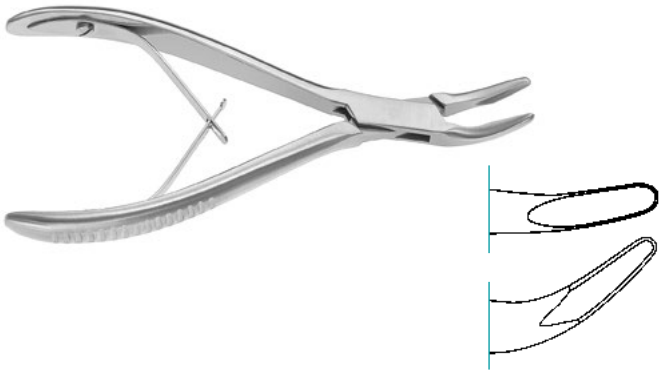
BANE
Bone Rongeur

180mm, 7"	210-787-180



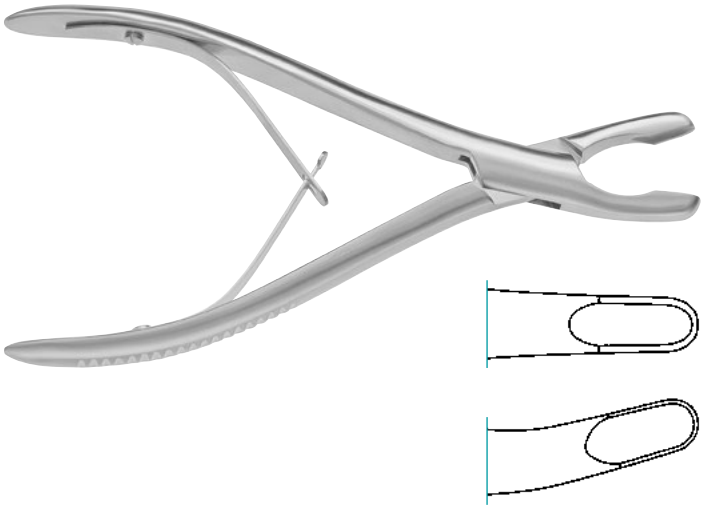
OLIVECRONA
Bone Rongeur

200mm, 8"	210-470-205



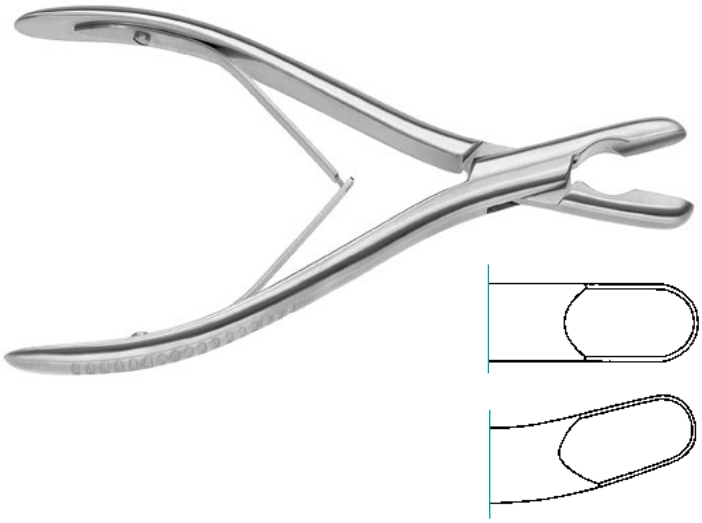
LUER
Bone Rongeur, 140mm, $5^{1/2}$"

Slightly curved	210-685-150
Strongly curved	210-687-150



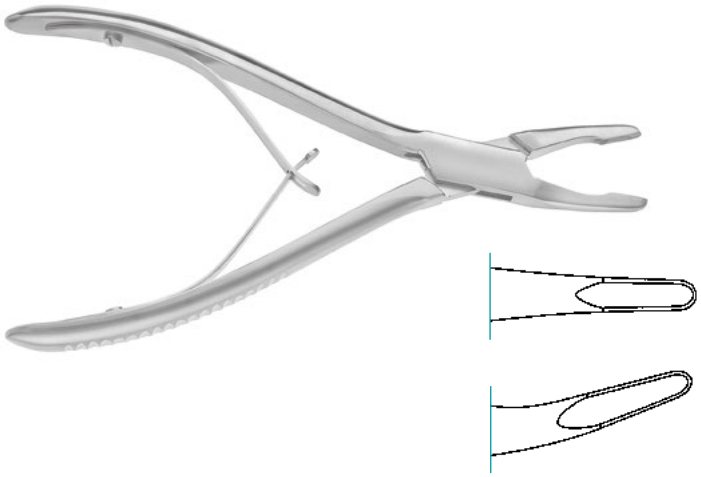
LUER
Bone Rongeur, 170mm, $6^{2/3}$"

Straight	210-846-170
Curved	210-847-170



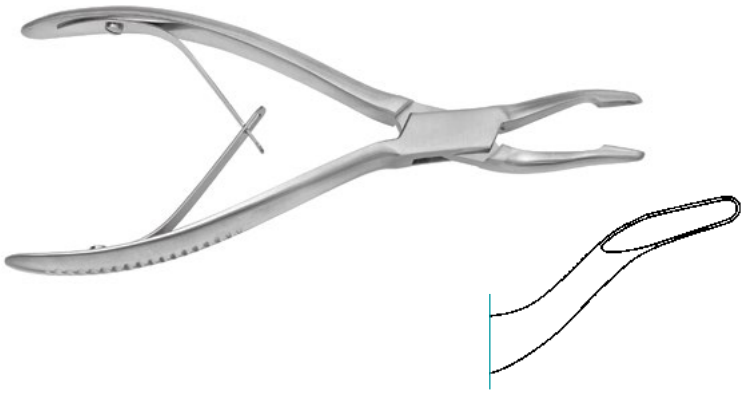
LUER
Bone Rongeur, 180mm, 7"

Straight	210-862-180
Curved	210-863-180



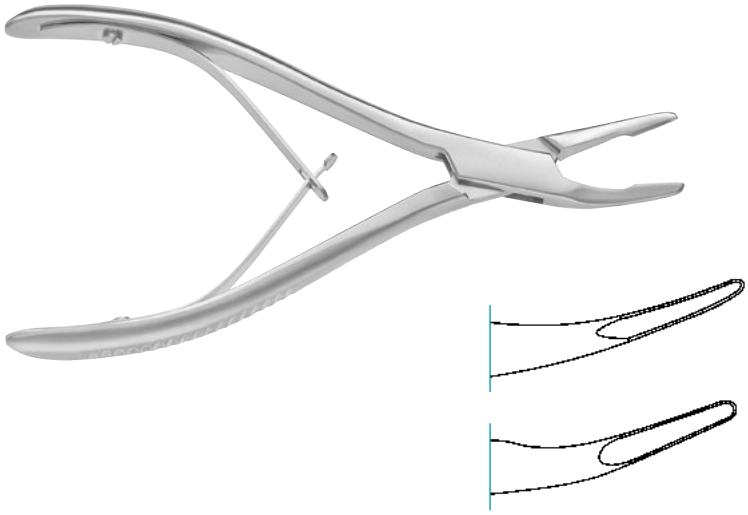
JANSEN
Bone Rongeur, 170mm, $6^{2/3}$"

Straight	210-826-180
Curved	210-829-180



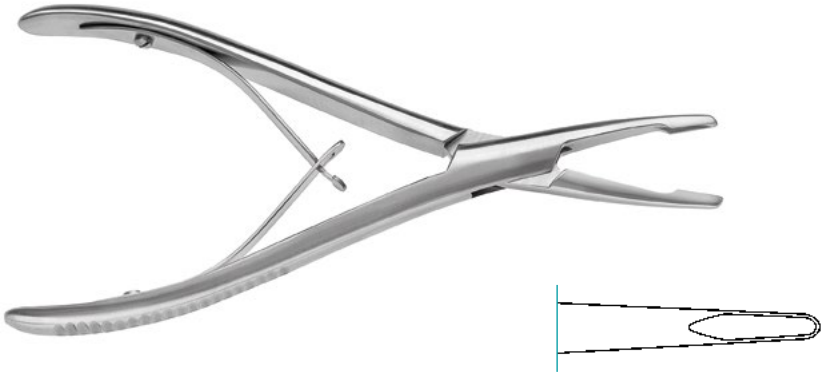
JANSEN
Bone Rongeur, s-shaped

170mm, $6^{2/3}$"	210-829-170



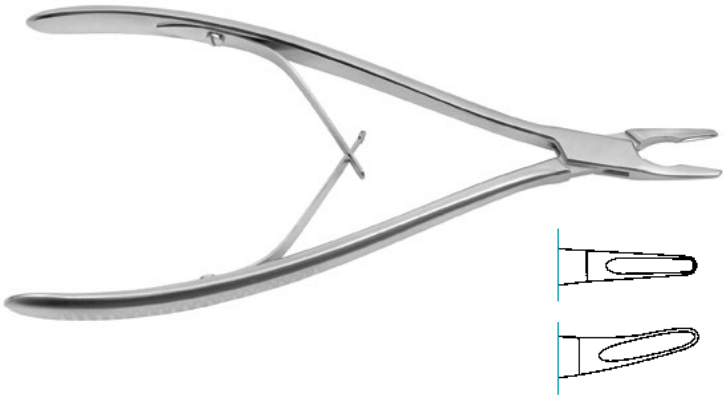
BEYER
Bone Rongeur, 3x16mm, 180mm, 7"

Curved	210-830-180
Strongly Curved	210-831-180



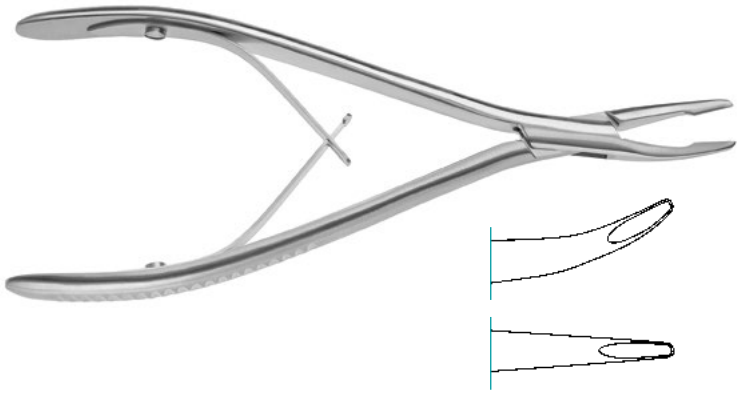
DEFOURMENTEL
Bone Rongeur, 3mm jaw

190mm, 7 1/2"	210-772-190



LEMPERT
Bone Rongeur, 190mm, 7 1/2"

Straight	210-832-185
Curved	210-833-185



LEMPERT

Bone Rongeur, curved

160mm, 6 1/4"	210-771-160

straight

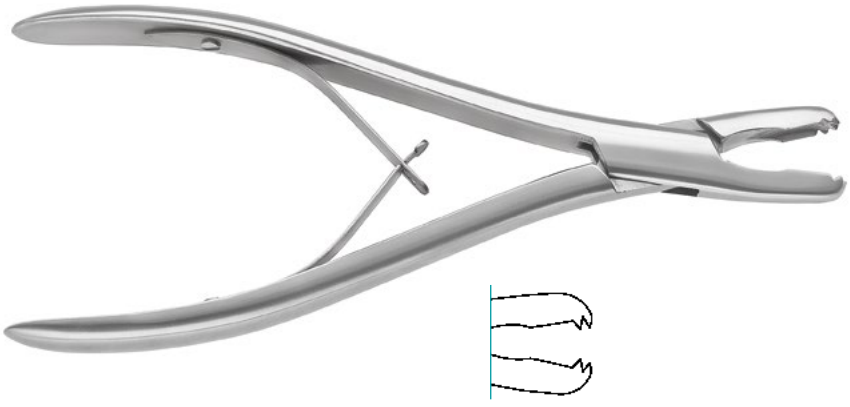
160mm, 6 1/4"	210-770-160



PENNYBACKER

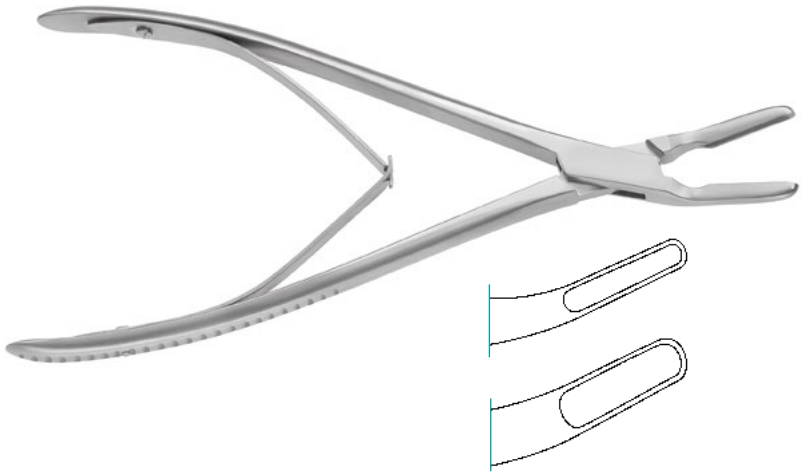
Bone Rongeur, 4mm jaw

200mm, 8"	210-794-200



Bone Rongeur, Rat toothed, 3x3 teeth

210, 8 1/4"	210-781-210



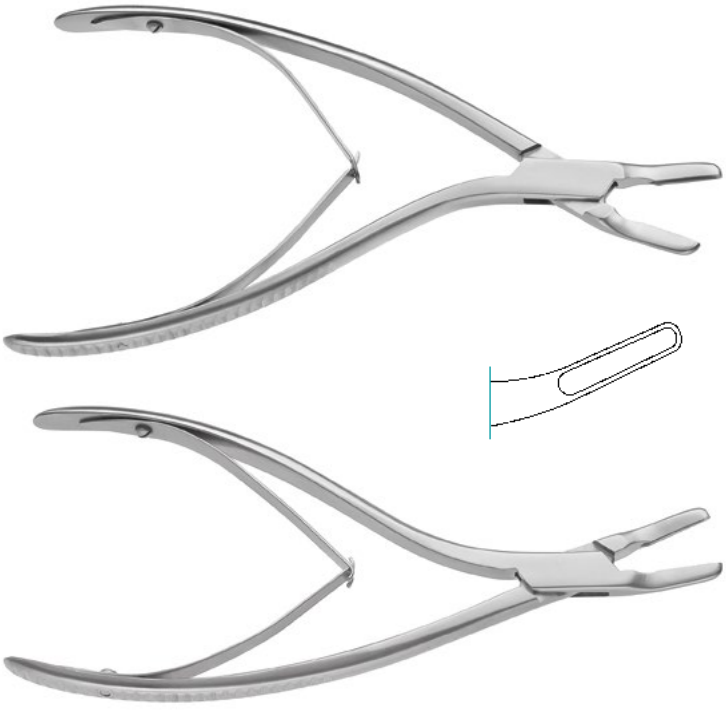
ZIELKE

Bone Rongeur, 210mm, 8 1/4"

3mm jaw	210-730-003
5mm jaw	210-730-005

250mm, 9 7/8"

3mm jaw	210-731-003
5mm jaw	210-731-005



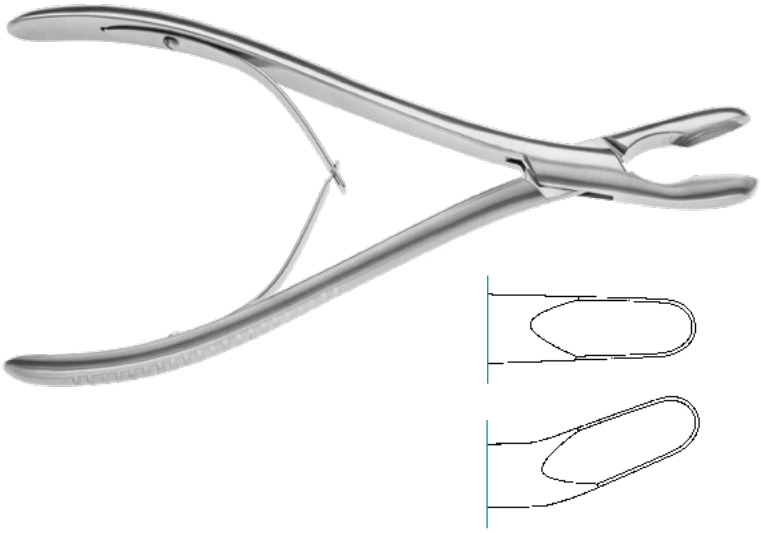
ZIELKE

Bone Rongeur, 3mm jaw, shanks curved right

190mm, 7 1/2"	210-732-002

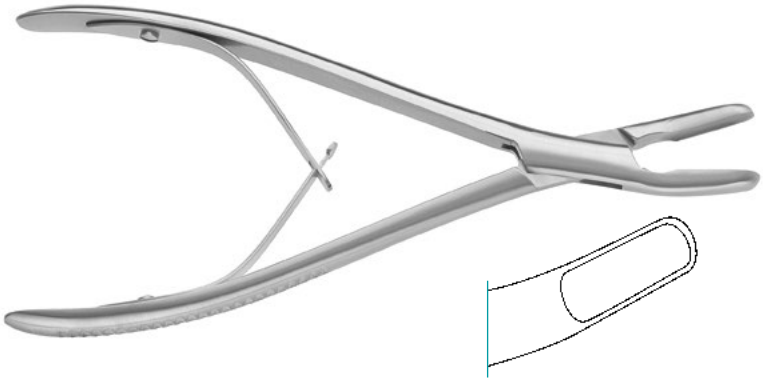
shanks curved left

190mm, 7 1/2"	210-733-003



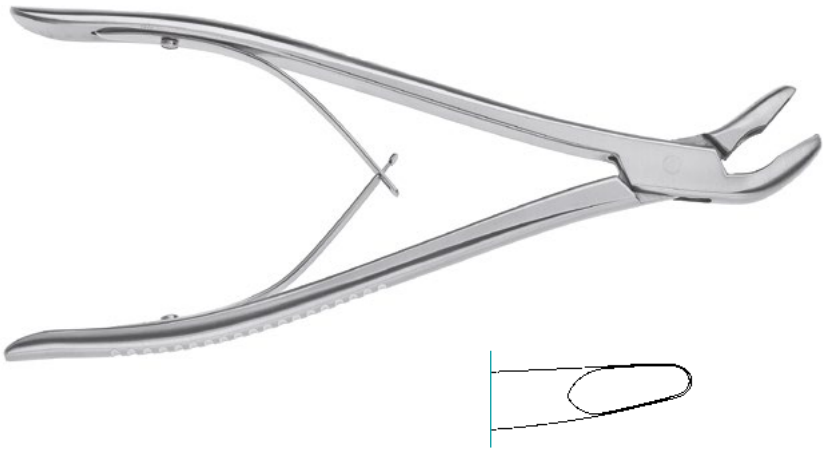
ADSON
Bone Rongeur, 200mm, 8"

Straight	210-845-200
Curved	210-846-200



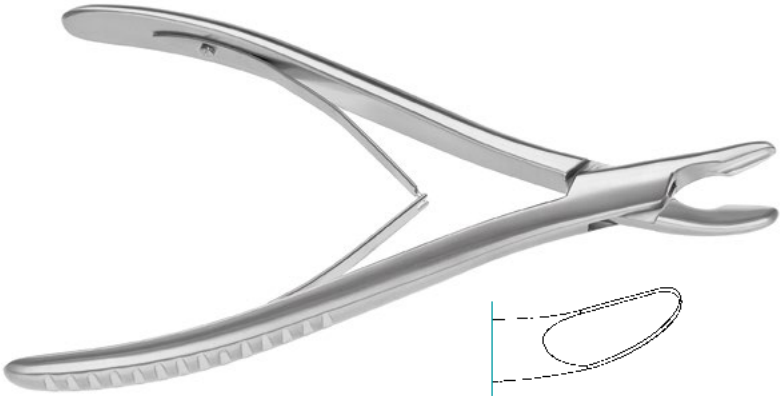
MATZEN
Intervertebral Bone Rongeur, 8mm jaw

200mm, 8"	210-732-200



BACON
Bone Rongeur, angled jaw

200mm, 8"	210-795-195



GULEKE
Bone Rongeur, curved

205mm, 8 1/8"	210-847-205



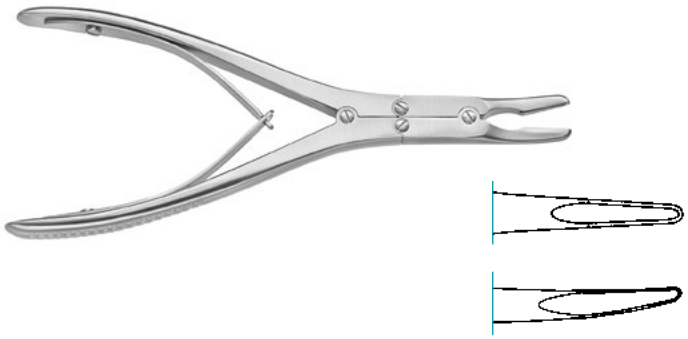
HAKANSSON
Bone Rongeur, curved laterally

160mm, 6 1/4"	210-825-160



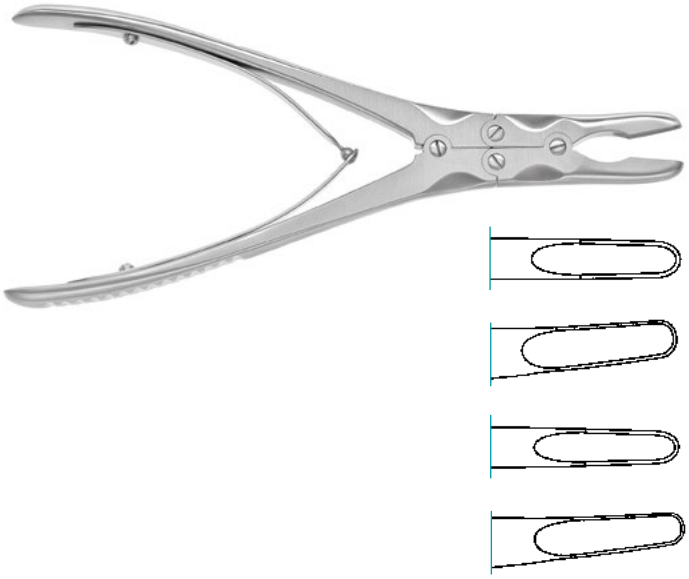
TROTTER
Bone Rongeur, angled laterally

200mm, 8"	210-839-200



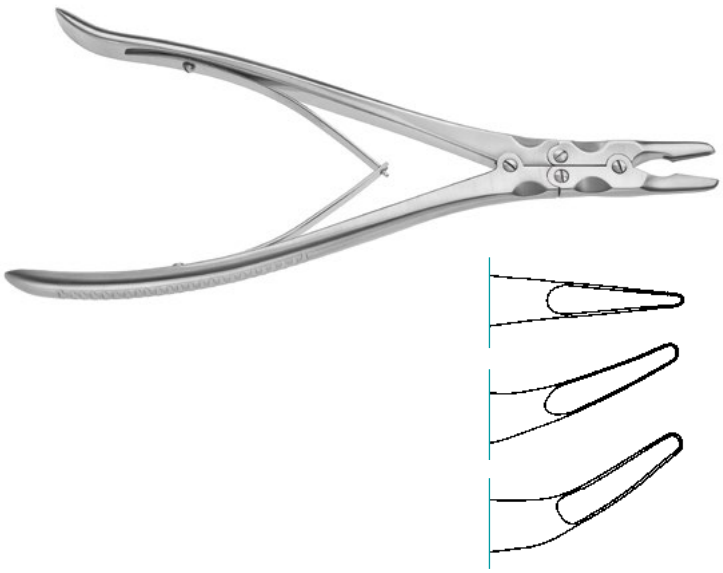
MINI RUSKIN
Bone Rongeur, 2mm, 150mm, 6"

Straight	210-802-150
Curved	210-812-150



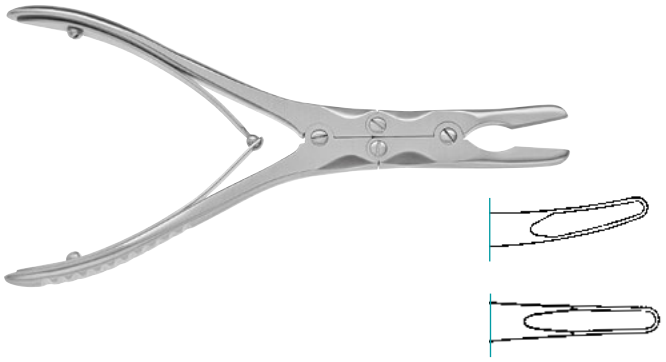
RUSKIN
Bone Rongeur, 5mm, 180mm, 7"

Straight	210-800-180
Curved	210-801-180
4mm	
Straight	210-802-180
Curved	210-803-180



SMITH PETERSEN
Bone Rongeur, 3mm jaw, 190mm, $7^{1/2}$"

Straight	210-832-190
Slightly Curved	210-834-190
Strongly Curved	210-836-190
4mm jaw	
Straight	210-832-194
Slightly Curved	210-834-194
Strongly Curved	210-836-194

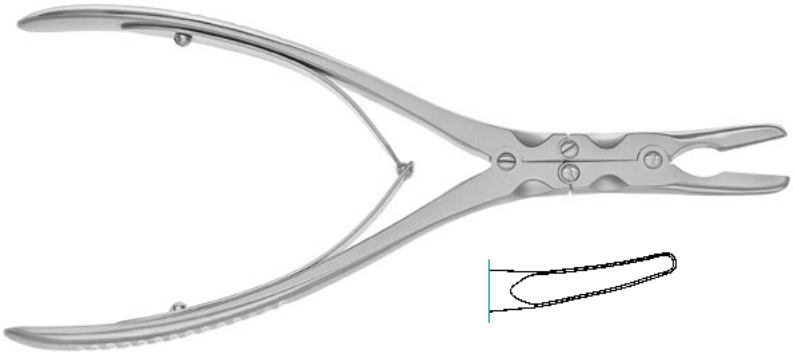


BOEHLER
Bone Rongeur, curved, 150mm, 6"

3mm jaw	210-789-150

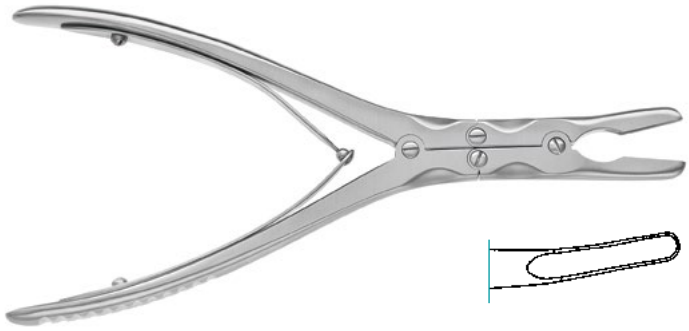
straight

3mm jaw	210-788-150



MARQUARDT
Bone Rongeur, curved, 3mm

200mm, 8"	210-780-200



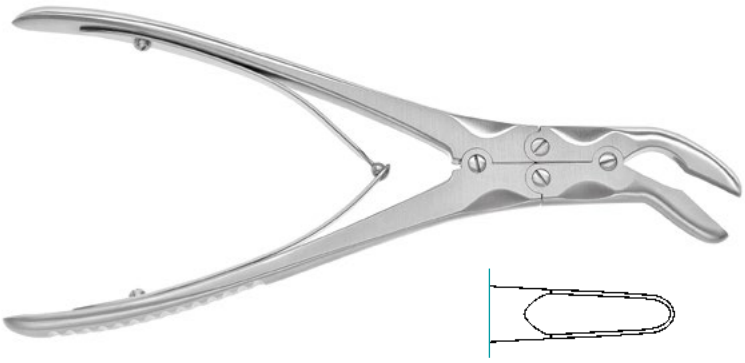
BEYER
Bone Rongeur, curved,
180mm, 7"

3mm	210-789-180
4mm	210-790-180



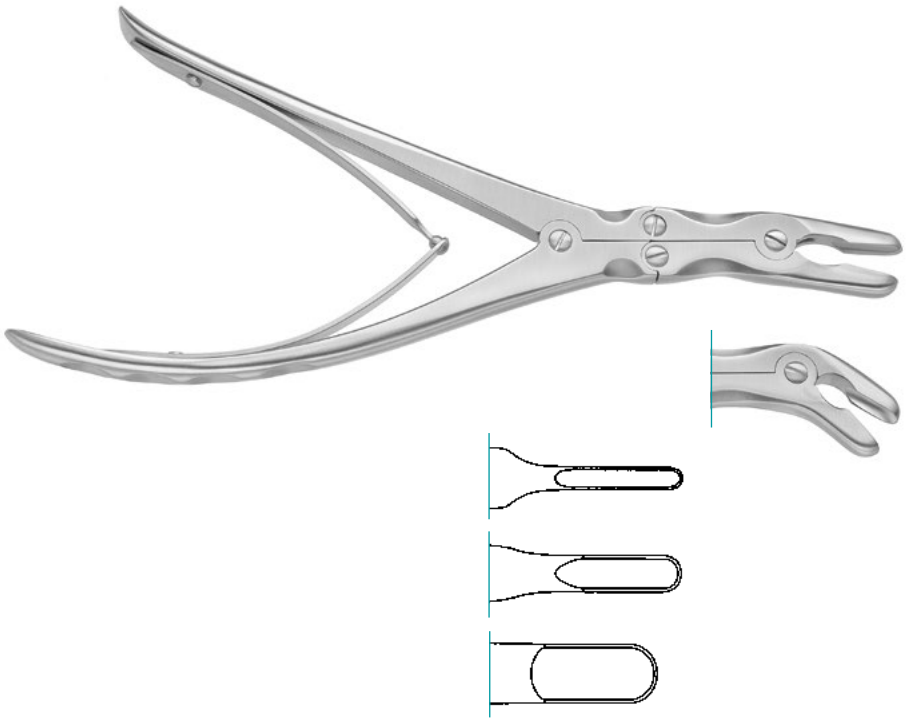
ZAUFAL JANSEN
Bone Rongeur, curved, 5mm jaw

180mm, 7"	210-791-180



RUSKIN
Bone Rongeur, angled laterally

180mm, 7"	210-805-180

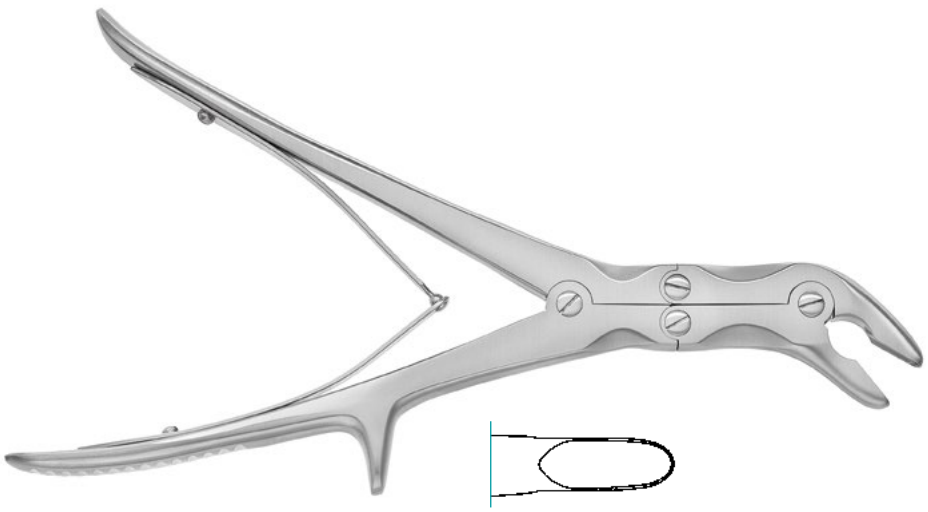


LEKSELL STILLE
Bone Rongeur, curved laterally, 240mm, 9 1/2"

3mm	210-843-240
5mm	210-851-240
8mm	210-850-240

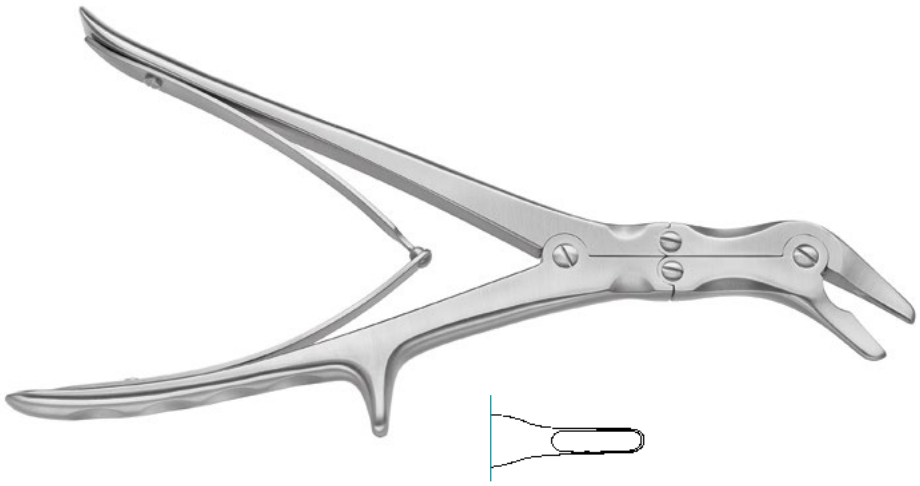
curved strongly laterally

5mm	210-852-240
8mm	210-858-240



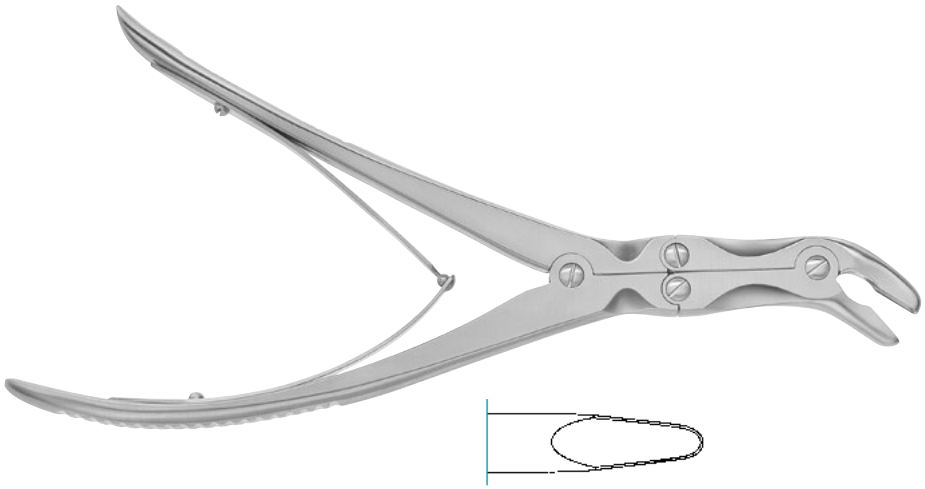
STILLE
Bone Rongeur, sidewards curved, 230mm, 9"

6mm	210-907-230
8mm	210-908-230



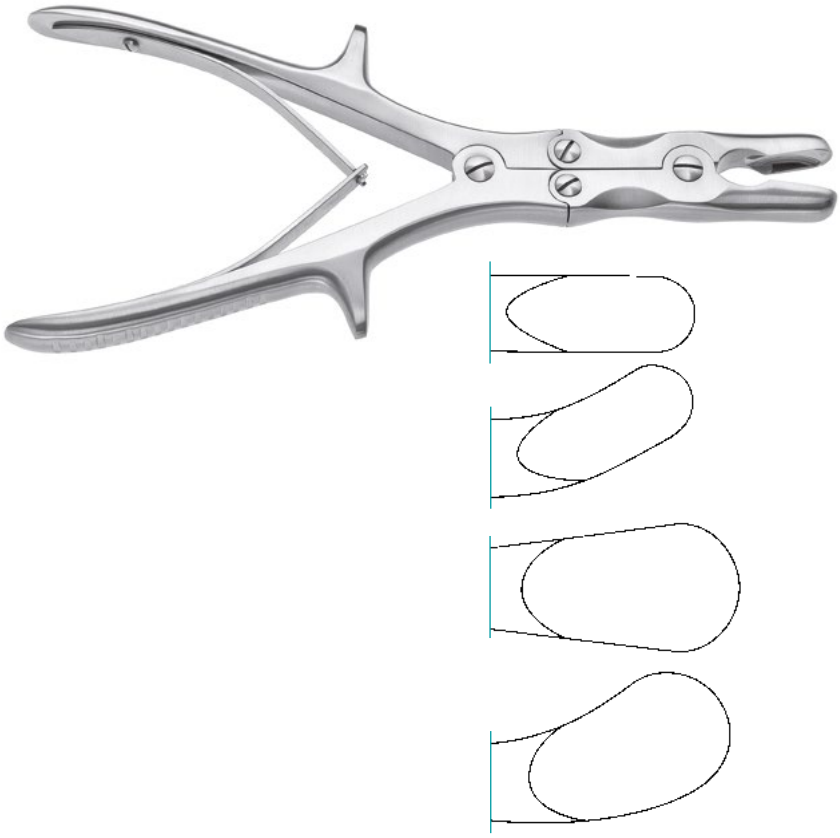
ECHLIN
Bone Rongeur, 230mm, 9"

2x10mm	210-798-230
3x10mm	210-799-230
4x10mm	210-797-230



FRYKHOLM
Bone Rongeur, s-curved, 5mm jaw

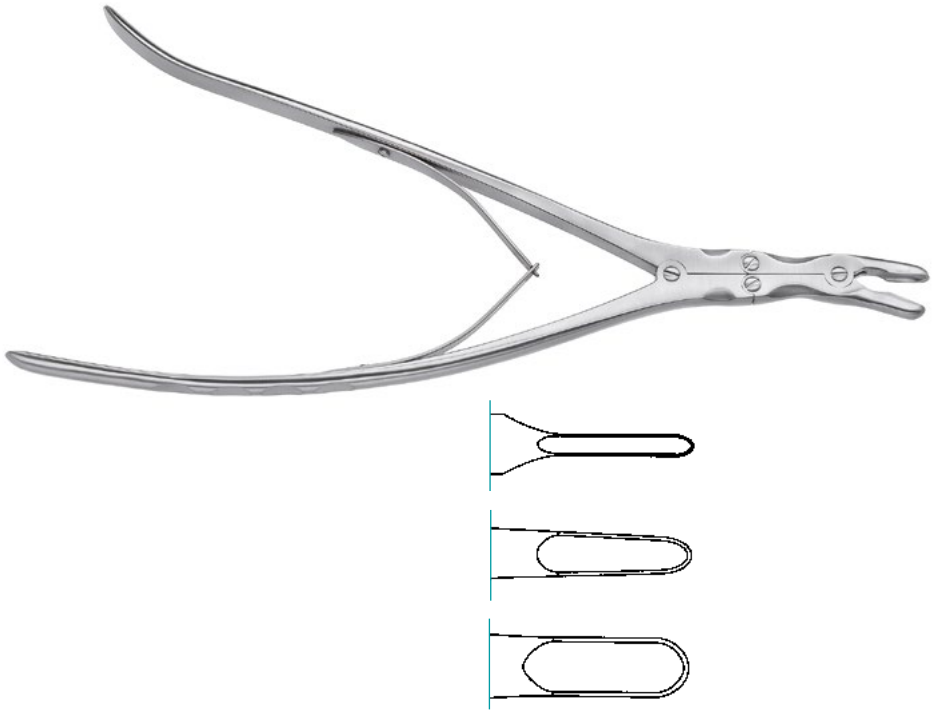
240mm, 9 1/2"	210-855-240



STILLE LUER

Bone Rongeur, straight, 220mm, 8 2/3"

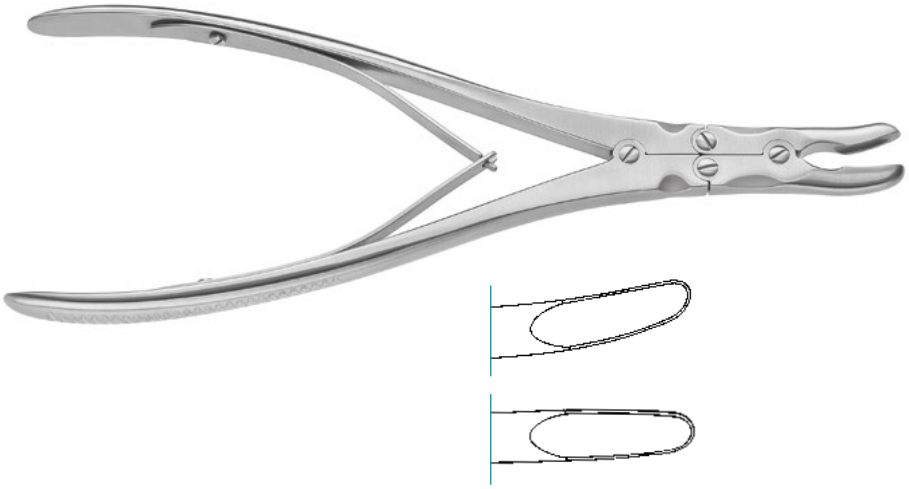
10mm	210-907-220
17mm	210-910-220
curved	
10mm	210-911-220
17mm	210-909-220
straight, 270mm, 10 2/3"	
17mm	210-910-260
curved	
17mm	210-911-260

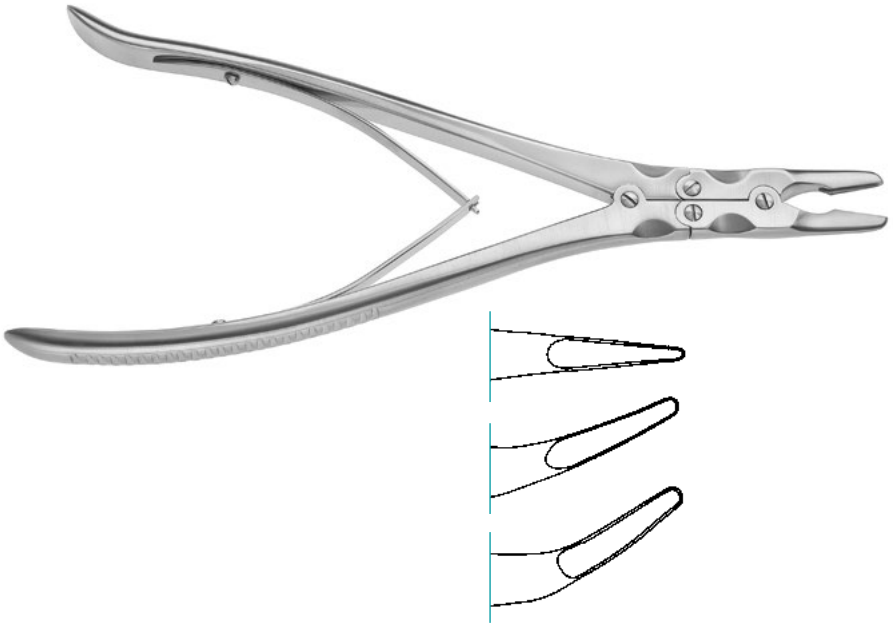


DALE LEKSELL

Bone Rongeur, XL Handle

3mm	210-843-360
5mm	210-845-360
8mm	210-848-360







ROETTGEN RUSKIN
Bone Rongeur, 240mm, 9 1/2"

5mm, curved	210-792-230
5mm, straight	210-793-230
6mm, curved	210-796-230

SMITH PETERSEN
Bone Rongeur, 3mm jaw, 240mm, 9 1/2"

Straight	210-832-240
Slightly Curved	210-834-240
Strongly Curved	210-836-240
4mm jaw	
Straight	210-832-244
Slightly Curved	210-834-244
Strongly Curved	210-836-244

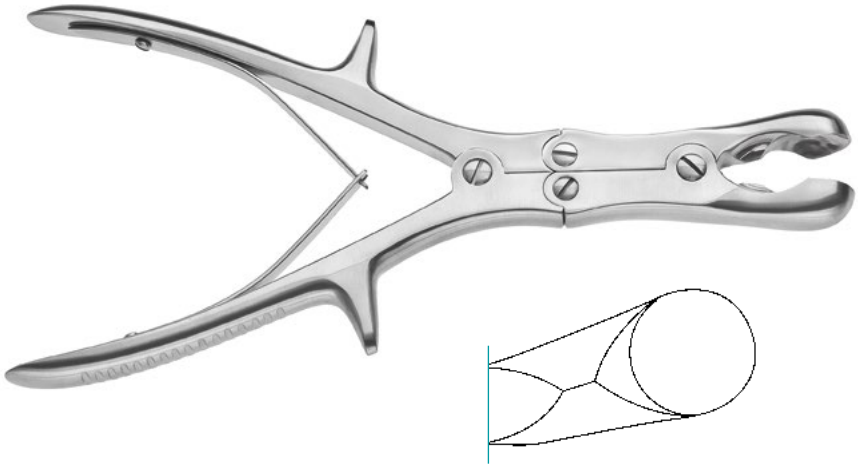
STILLE RUSKIN
Bone Rongeur, 6mm jaw, 230mm, 9"

Straight	210-898-230
Curved	210-899-230
8mm jaw	
Straight	210-900-230
Curved	210-901-230



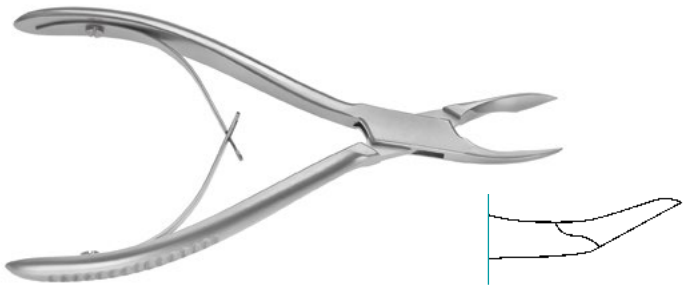
SYPERT
Bone Rongeur, straight, 350mm, 14“

3mm	210-813-350
5mm	210-815-350
8mm	210-818-350
curved	
3mm	210-803-350
5mm	210-805-350
8mm	210-808-350



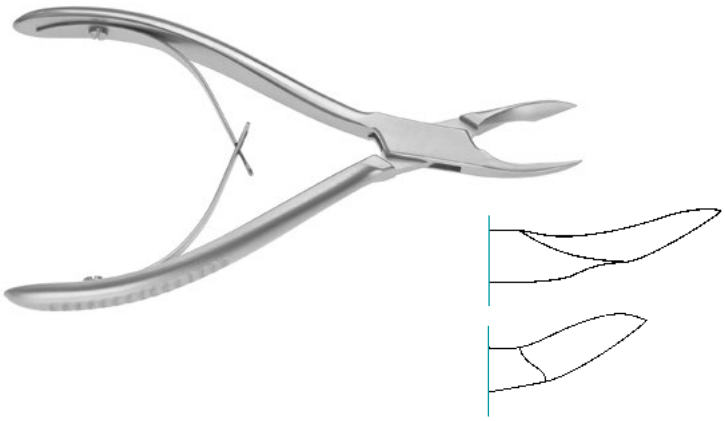
SEMB
Bone Rongeur, curved

225mm, $8^{7/8}$“	210-905-225



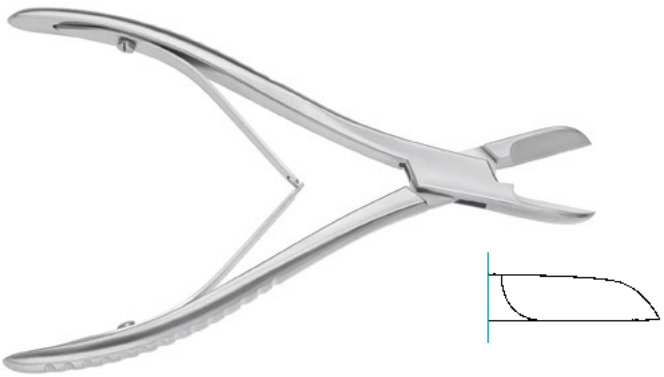
NIRO
Bone Cutting Forceps, angled

140mm, 5 1/2"	210-845-130



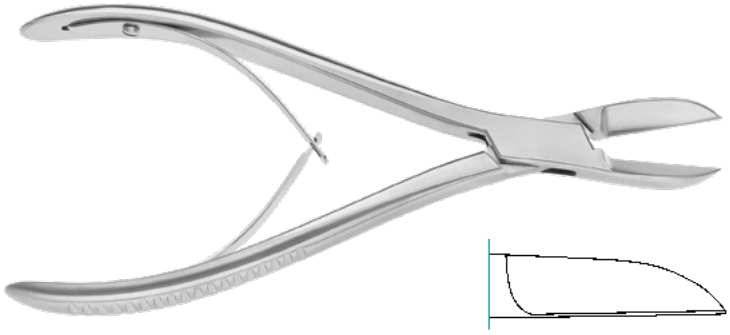
CLEVELAND
Bone Cutting Forceps, angled on flat

145mm, 5 3/4"	210-845-145
170mm, 6 2/3"	210-845-170



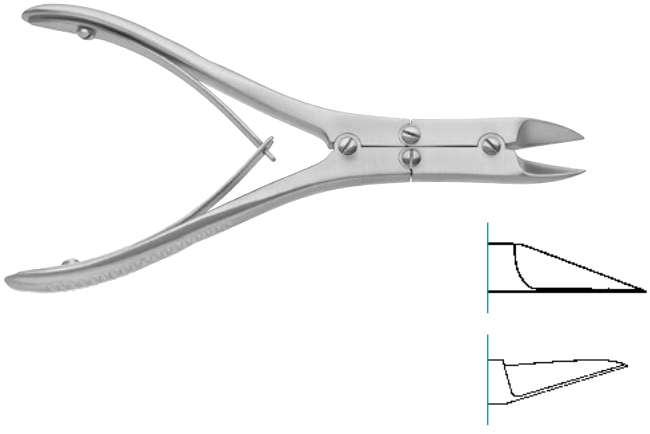
LITTAUER
Bone Cutting Forceps with spring

150mm, 6"	210-397-150



COTTLE KAZANJIAN
Bone Cutting Forceps, straight

180mm, 7"	210-845-185

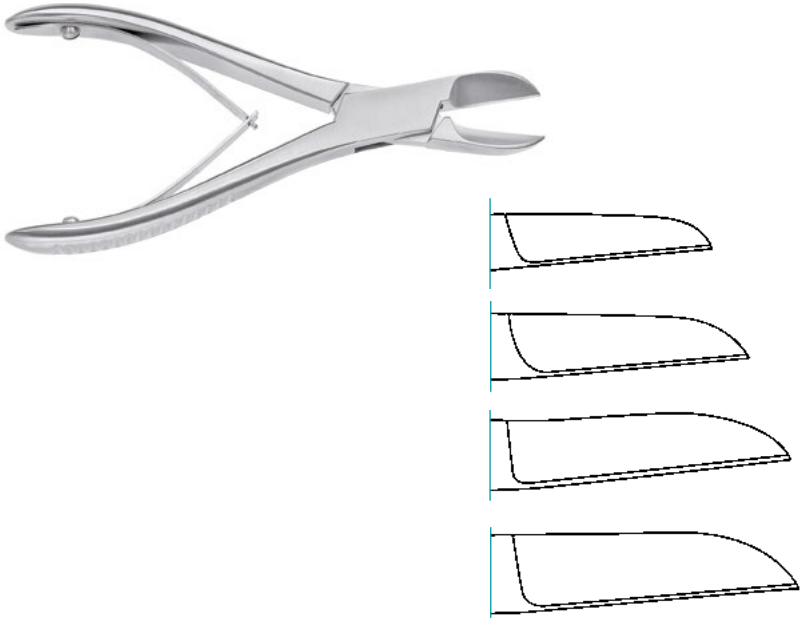


BOEHLER
Bone Cutting Forceps, double action, straight

150mm, 6"	210-892-150

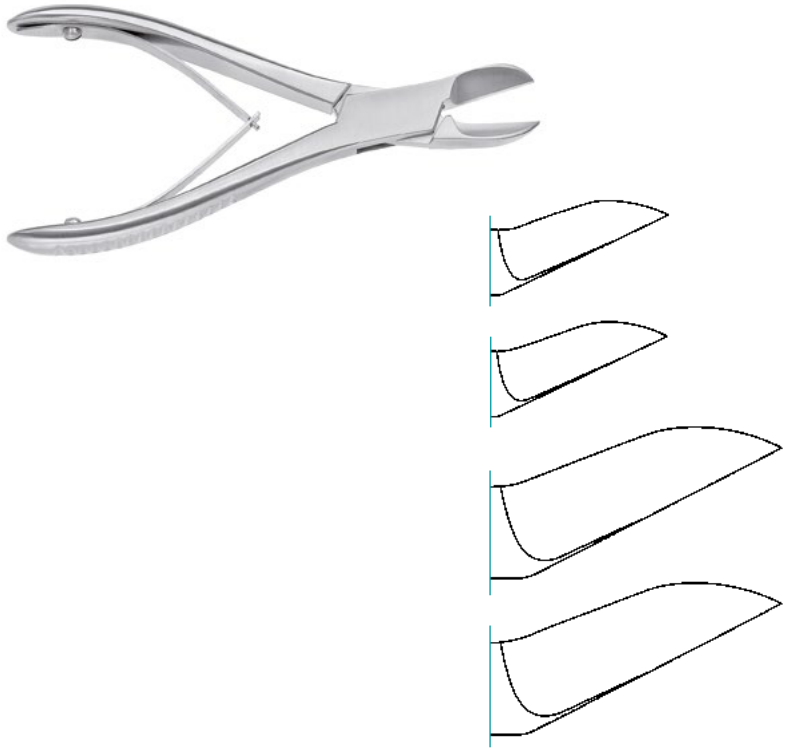
curved on flat

150mm, 6"	210-890-150



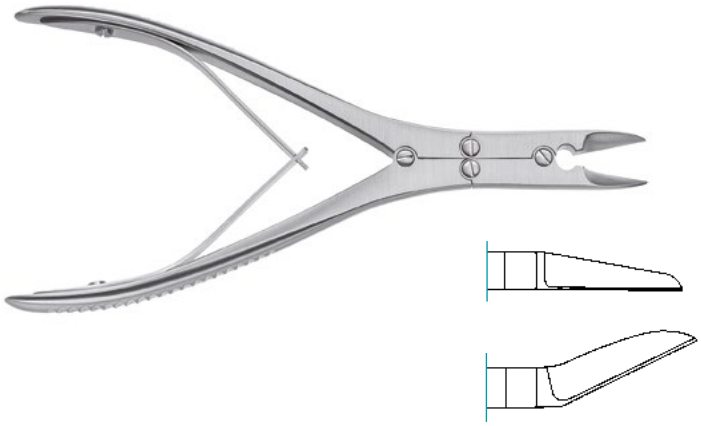
LISTON
Bone Cutting Forceps, straight

140mm, $5^{1/2}$"	210-934-140
170mm, $6^{2/3}$"	210-934-170
190mm, $7^{1/2}$"	210-934-190
220mm, $8^{2/3}$"	210-934-220



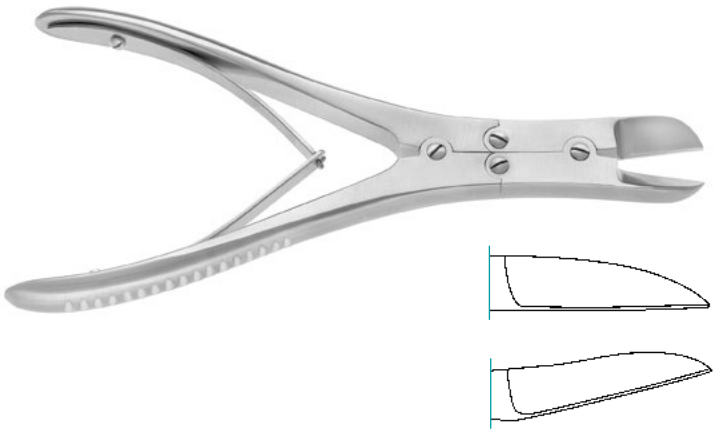
LISTON
Bone Cutting Forceps, angled

140mm, $5^{1/2}$"	210-935-140
170mm, $6^{2/3}$"	210-935-170
190mm, $7^{1/2}$"	210-935-190
220mm, $8^{2/3}$"	210-935-220



RUSKIN LISTON
Bone Cutting Forceps, double action,
170mm, $6^{2/3}$"

Straight	210-844-170
Angled	210-843-170



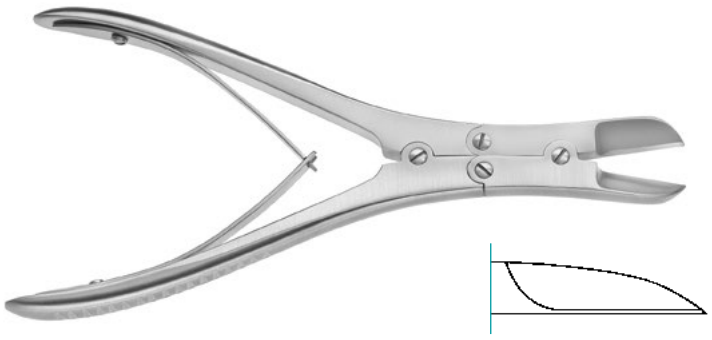
RUSKIN LISTON
Bone Cutting Forceps, double action,
185mm, $7^{1/4}$"

Straight	210-900-185
Angled	210-901-185



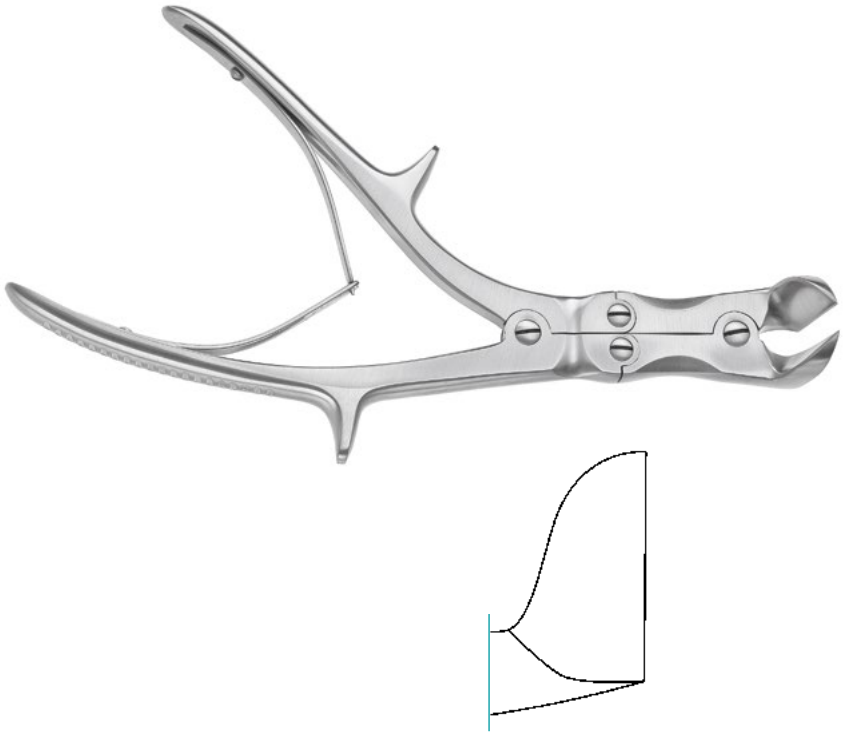
MCINDOE
Bone Cutting Forceps, double action

175mm, $6^{7/8}$"	210-880-175



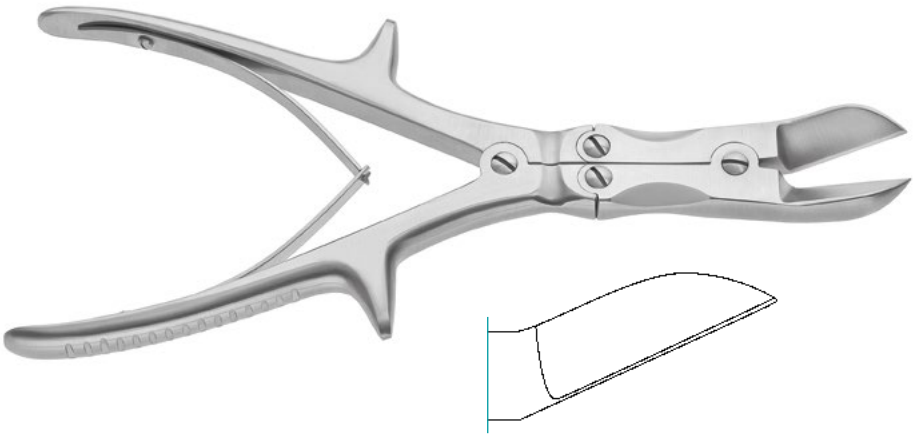
RUSKIN ROWLAND
Bone Cutting Forceps, double action, straight

180mm, 7"	210-855-180



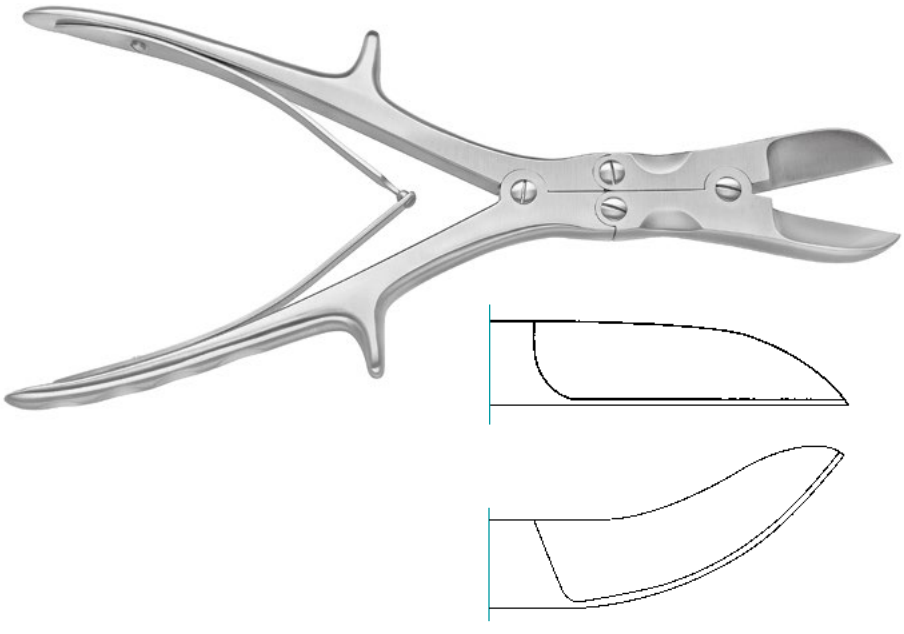
SEMB
Bone Cutting Forceps, double action,
shanks lateral angled

245mm, $9^{2/3}$"	210-911-245



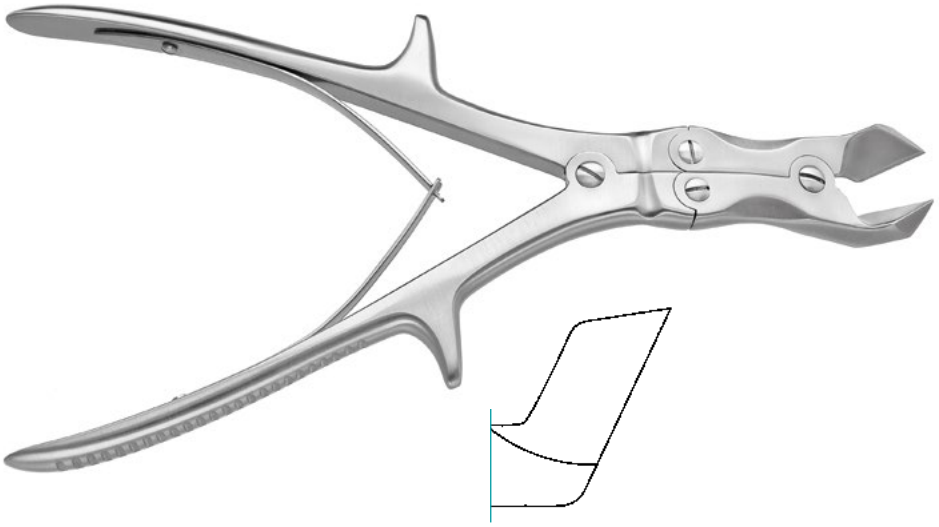
LISTON
Bone Cutting Forceps, double action,
angled

240mm, $9^{1/2}$"	210-905-240



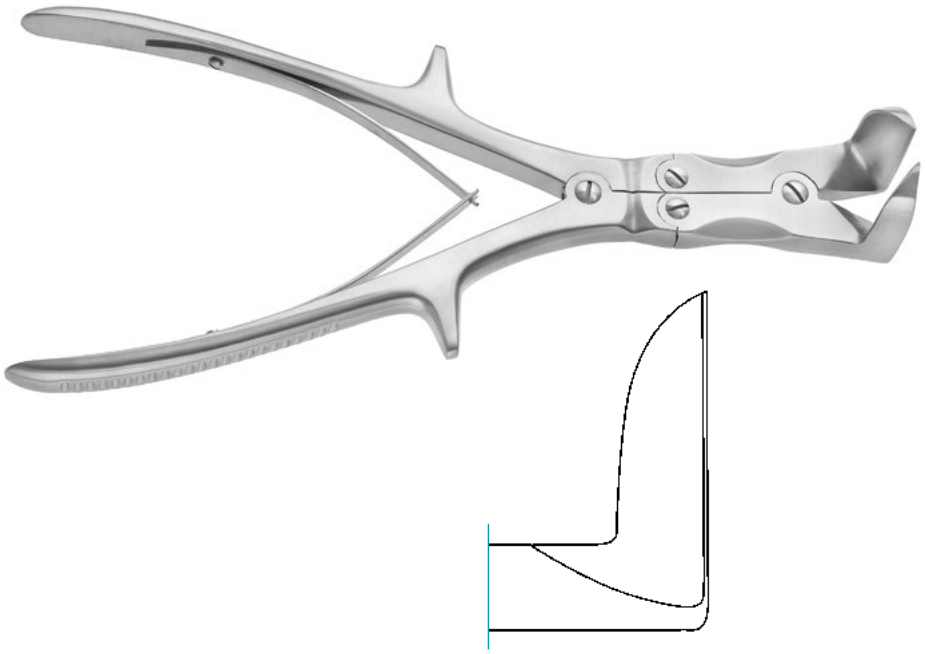
STILLE LISTON
Bone Cutting Forceps, double action
270mm, $10^{2/3}$"

Straight	210-904-270
Angled	210-902-270



LISTON KEY HORSLEY
Bone Cutting Forceps, double action, s-shaped

255mm, 10"	210-910-255

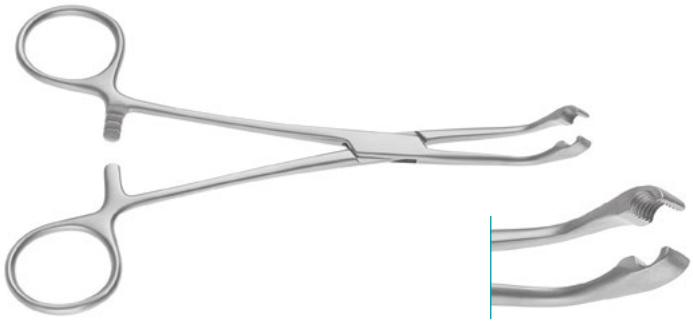


STILLE LISTON
Bone Cutting Forceps, double action, 90° angled

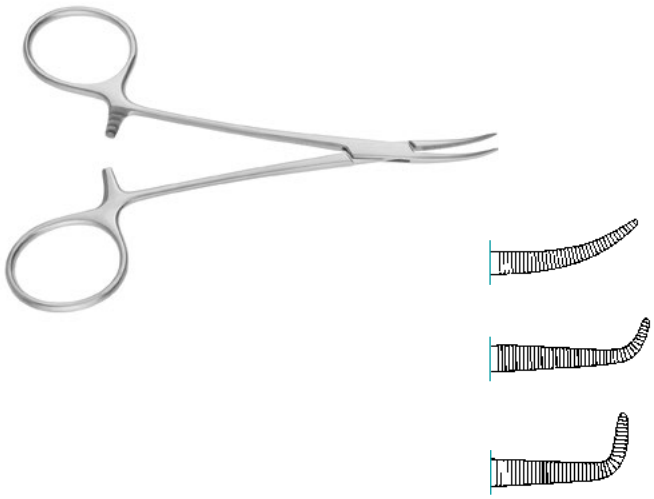
270mm, $10^{2/3}$"	210-908-270



Tendon Grasping Forceps, 100mm, 4"	
2.0mm jaw	210-675-002
3.0mm jaw	210-675-003
4.0mm jaw	210-675-004
5.0mm jaw	210-675-005



Tendon Grasping Forceps	
155mm, $6^{1/8}$"	140-584-155



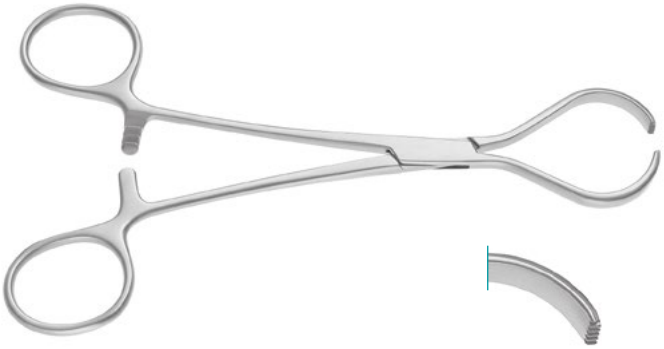
HALSTED MOSQUITO

Tendon Grasping Forceps, 125mm, 5"	
light curve	140-354-001
medium curve	140-354-002
strong curve	140-354-003



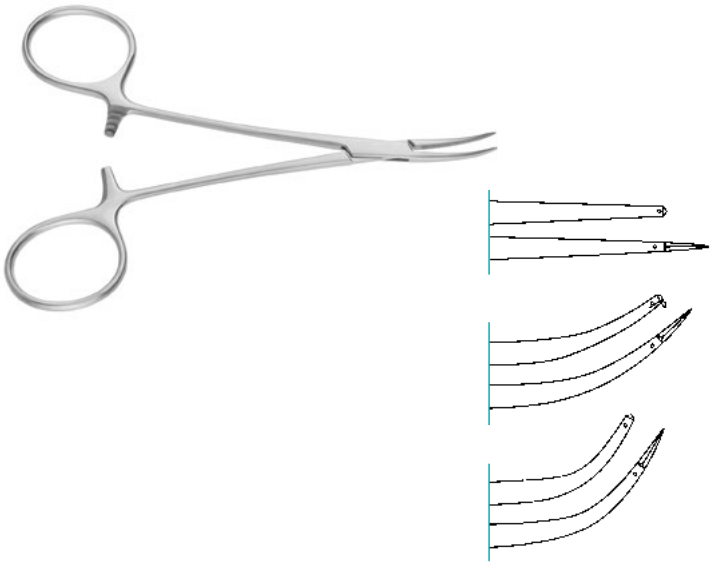
ENGLERT
Tendon Grasping Forceps,
4x5 atraumatic teeth

145mm, 5 3/4"	140-355-145



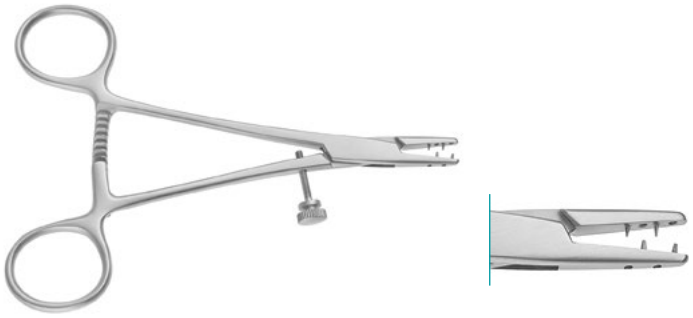
OMBREDANNE (ISELIN)
Tendon Holding Forceps,
4x5 teeth

160mm, 6 1/4"	140-583-160



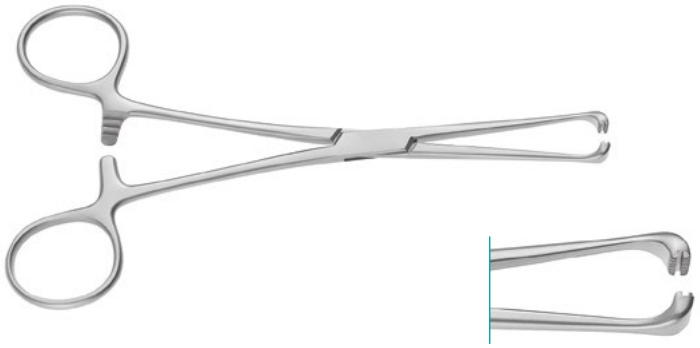
Tendon Interlacing Forceps,
150mm, 6"

straight	210-682-150
curved	210-683-150
strongly curved	210-684-150



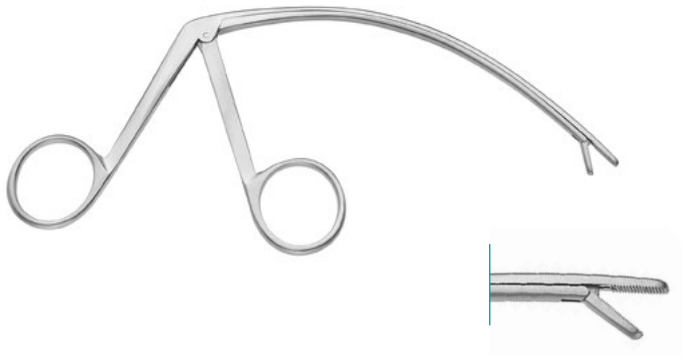
Tendon Seizing Forceps, 4 pins

120mm, $4^{3/4}$"	210-650-120



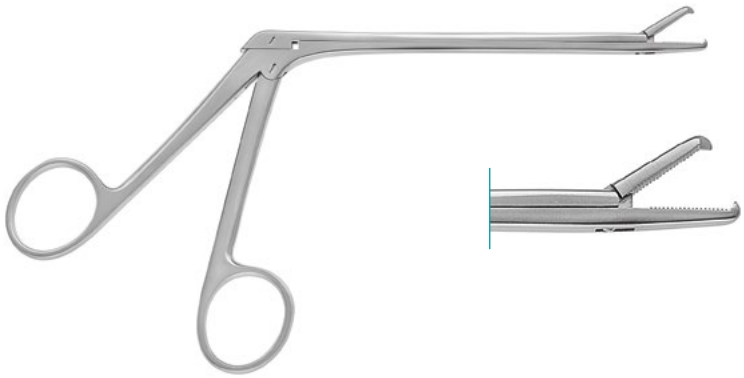
STEINMANN
Tendon Seizing Forceps

160mm, $6^{1/4}$"	210-674-160



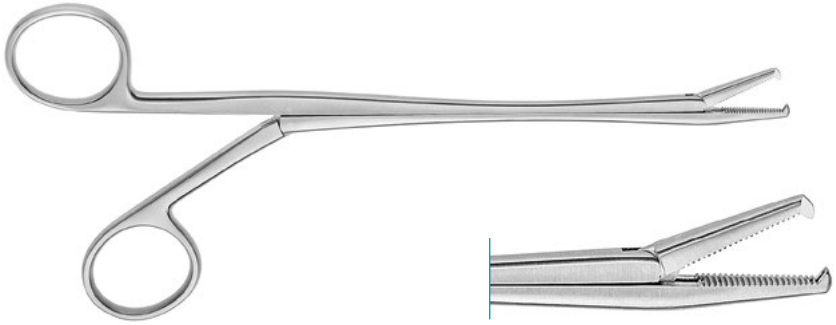
CARROLL
Tendon Forceps, curved

110mm, $4^{1/3}$"	210-679-110



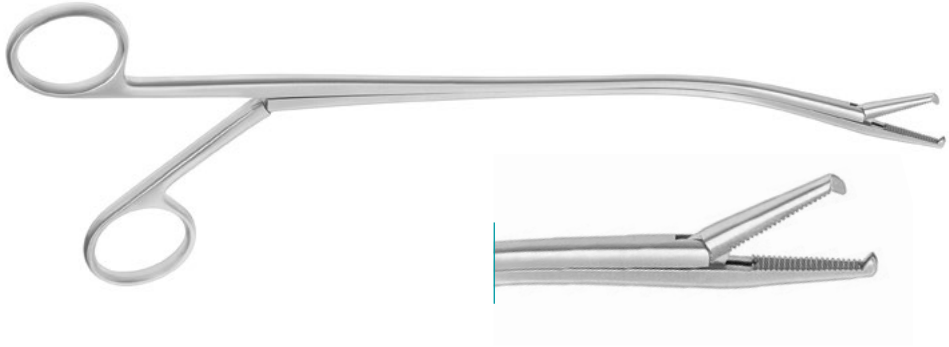
HOEN
Tendon Grasping Forceps, 1x2 teeth

120mm, 4 3/4"	210-660-120



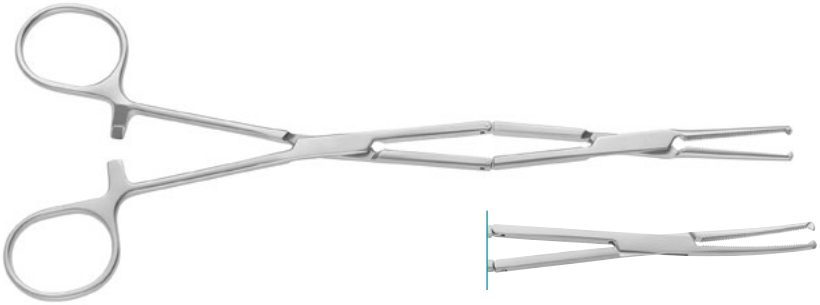
BRAND
Tendon Seizing Forceps, 1x2 teeth

150mm, 6"	210-665-150
190mm, 7 1/2"	210-665-190
245mm, 9 2/3"	210-665-240



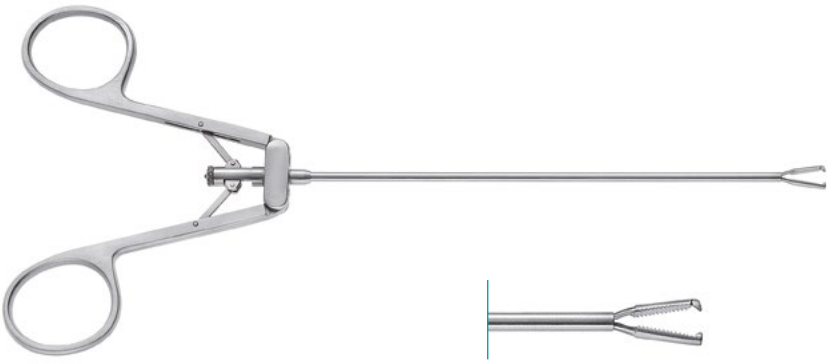
BRAND
Tendon Seizing Forceps, curved, 1x2 teeth

150mm, 6"	210-663-150
190mm, 7 1/2"	210-663-190
250mm, 9 7/8"	210-663-250



Tendon Seizing Forceps, 1x2 teeth, 210mm, 8 1/4"

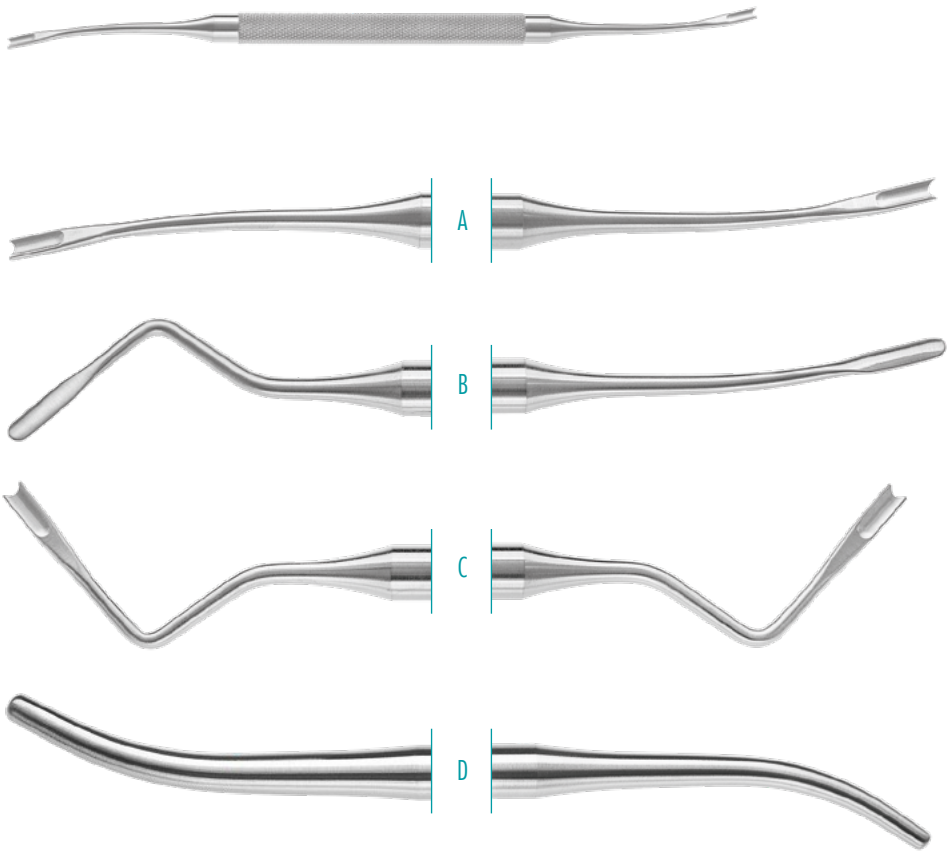
straight	210-668-210
curved	210-669-210



KLEINERT KUTZ

Tendon Seizing Forceps, 1x2 teeth, flexible, 1x8mm serrated jaw

210mm, 8 1/4"	210-681-200



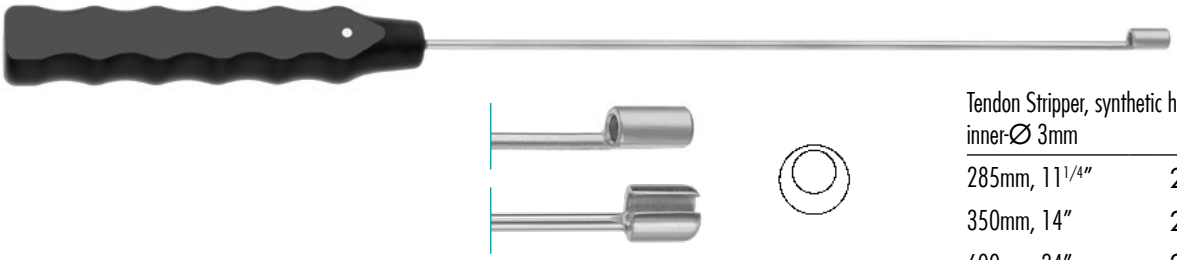
Tenolysis Knife, for tenolysis superficial and deep to the tendon

A	210-681-001
B	210-681-002
C	210-681-003
D	210-681-004



FISCHER
Tendon Stripper, blunt, synthetic handle

310mm, 12 1/4"	210-855-310



Tendon Stripper, synthetic handle, inner-Ø 3mm

285mm, 11 1/4"	210-663-280
350mm, 14"	210-663-350
600mm, 24"	210-663-600
with slot	
285mm, 11 1/4"	210-663-281
350mm, 14"	210-663-351

Inner-Ø 4mm

285mm, 11 1/4"	210-664-280
350mm, 14"	210-664-350
600mm, 24"	210-664-600
with slot	
285mm, 11 1/4"	210-664-281
350mm, 14"	210-664-351

Inner-Ø 5mm

285mm, 11 1/4"	210-665-280
350mm, 14"	210-665-350
600mm, 24"	210-665-600
with slot	
285mm, 11 1/4"	210-665-281
350mm, 14"	210-665-351

Inner-Ø 6mm

285mm, 11 1/4"	210-666-280
350mm, 14"	210-666-350
600mm, 24"	210-666-600
with slot	
285mm, 11 1/4"	210-666-281
350mm, 14"	210-666-351



BUNNELL
Tendon Stripper, 150mm, 6"

Ø 2.5mm	210-652-001
Ø 3.0mm	210-652-002
Ø 4.0mm	210-652-003
Ø 5.0mm	210-652-004
Ø 6.5mm	210-652-005



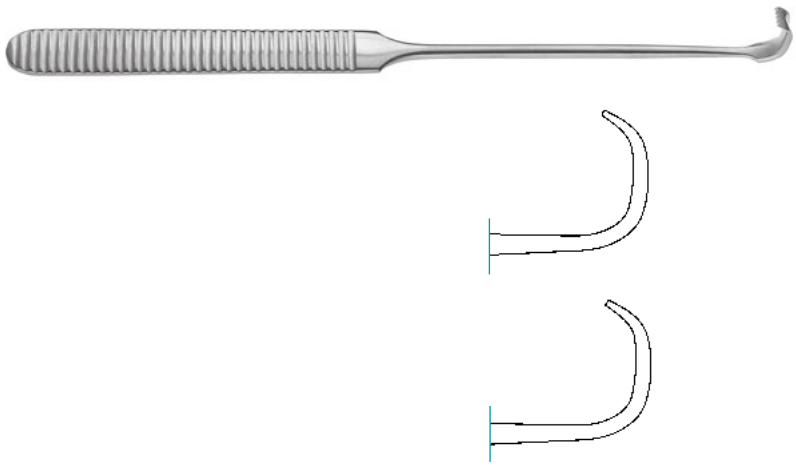
PAUL
Tendon Retractor, blunt, 3 prongs

125mm, 5″	170-177-125



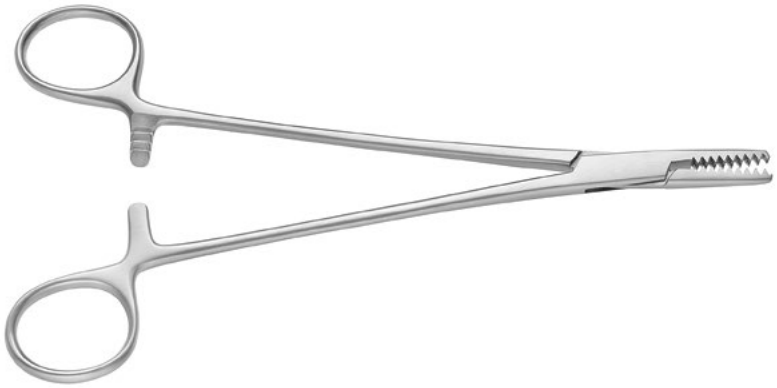
KLAPP
Tendon Retractor, blunt, 175mm, $6^{7/8}$″

2 prongs	170-181-002
3 prongs	170-181-003
4 prongs	170-181-004



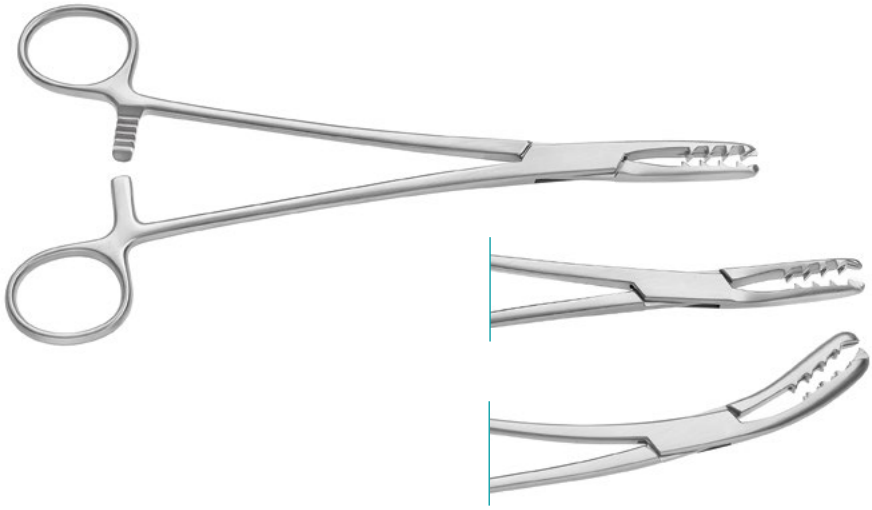
STRANDELL STILLE
Tendon Retractor, 15x6mm, 190mm, $7^{1/2}$″

blunt	170-237-001
toothed	170-237-002



MARTIN
Cartilage Holding Forceps, straight

190mm, 7 1/2"	210-652-190



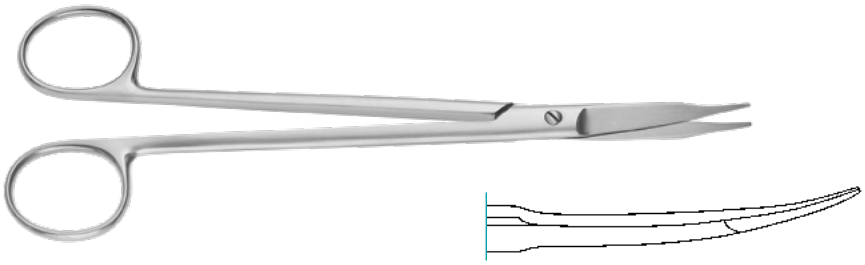
BIRCHER GANSKE
Cartilage Holding Forceps, 200mm, 8"

straight	210-620-200
angled	210-621-200
laterally curved	210-623-200



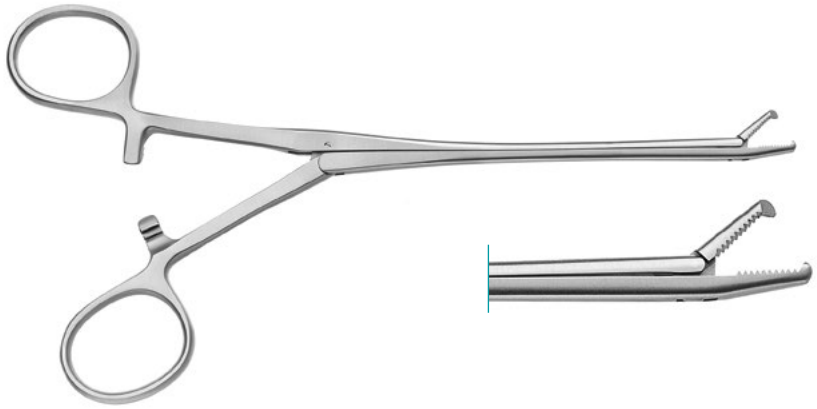
WALTON
Cartilage Forceps, slightly curved, with pins

185mm, 7 1/4"	210-626-185



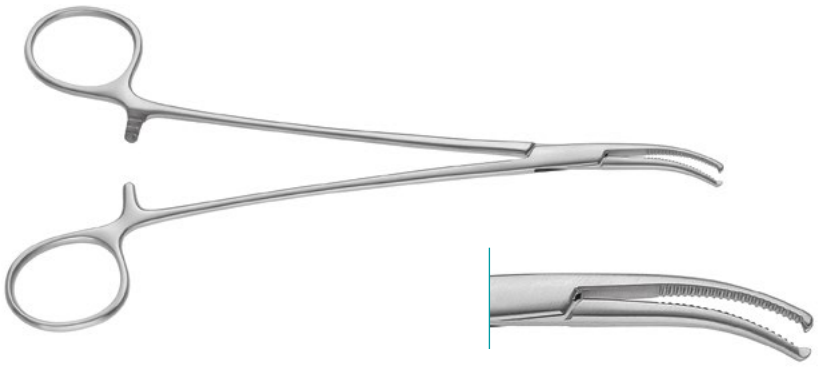
MARTIN
Cartilage Scissors

200mm, 8"	120-206-200



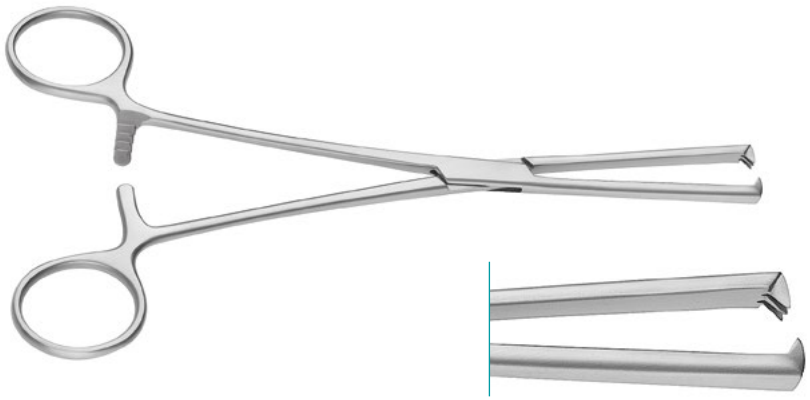
Meniscus Grasping Forceps with ratchet
1x2 teeth, straight

200mm, 8"	225-360-000



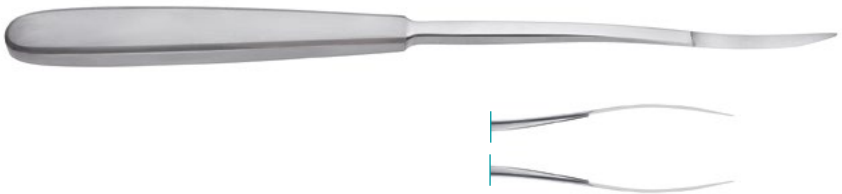
PRESTON
Meniscus Ligament Flavum Forceps,
1x2 teeth, serrated jaw

190mm, 7 1/2"	210-660-190



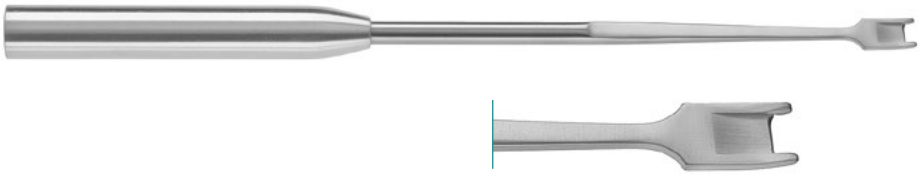
BIRCHER
Meniscus Grasping Forceps, 200mm, 8"

straight	210-624-200
curved	210-625-200



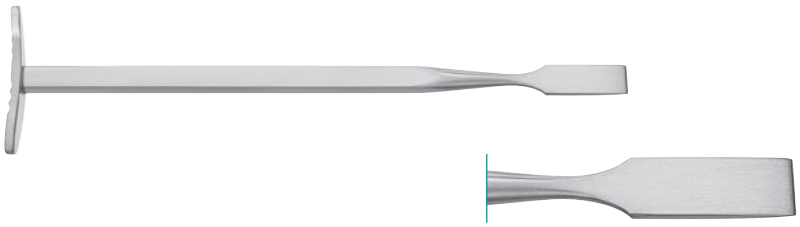
Meniscotome, 220mm, $8^{2/3}$"

Left side	210-650-220
Right side	210-651-220



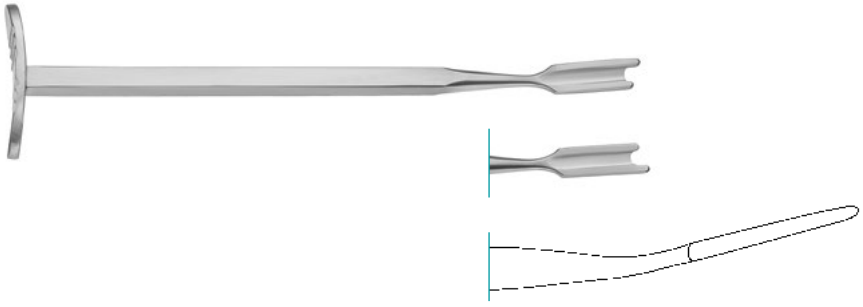
LOWE BRECK
Meniscotome

250mm, $9^{7/8}$"	210-637-250



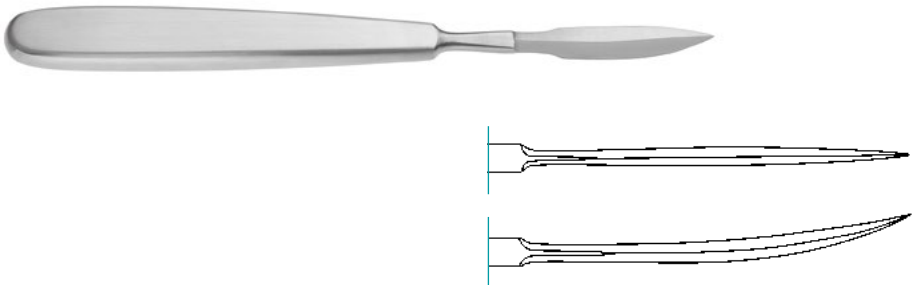
SMILIE
Meniscotome, straight

170mm, $6^{2/3}$"	210-630-170



SMILLIE
Meniscotome with guards, 170mm, $6^{2/3}$"

Left	210-631-170
Right	210-633-170



Meniscotome, double edge, 180mm, 7″

Straight	210-640-180
Slightly curved	210-641-180



Meniscotome, 220mm, $8^{2/3}$″

Curved right	210-645-220
Curved left	210-643-220



Meniscotome, curved

190mm, $7^{1/2}$″	210-613-190



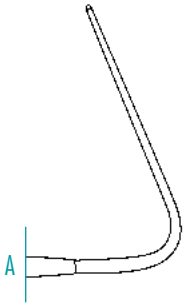
DOANE
Knee Retractor

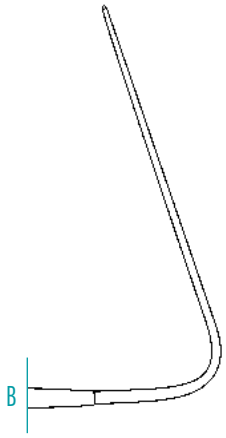
57 x 70mm blade	210-700-150
64 x 76mm blade	210-700-190

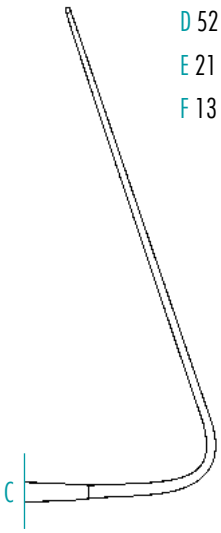


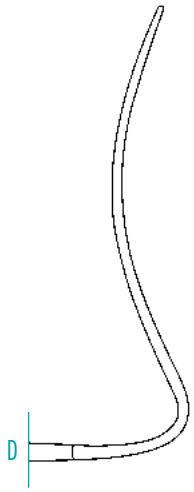
SMILLIE
Knee wound retractor, 140mm, 5 1/2"

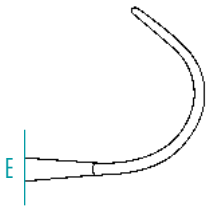
A 32 x 19mm	210-628-001
B 45 x 19mm	210-628-002
C 60 x 19mm	210-628-003
D 52 x 13mm	210-628-004
E 21 x 13mm	210-628-005
F 13 x 15mm	210-628-006

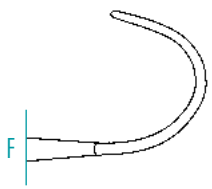


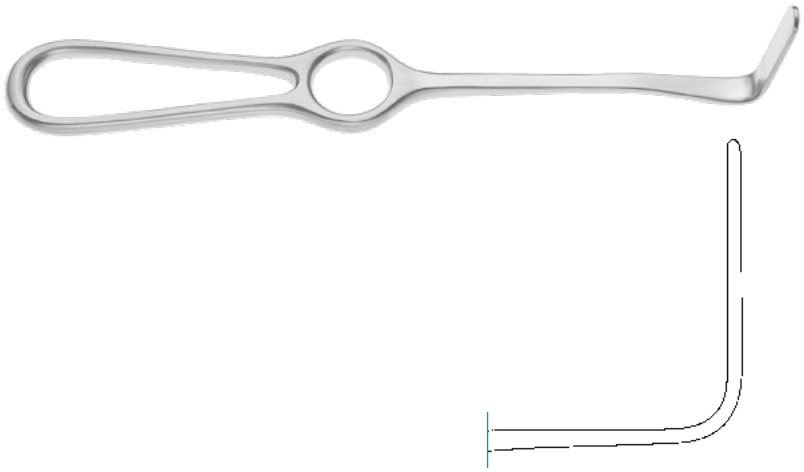






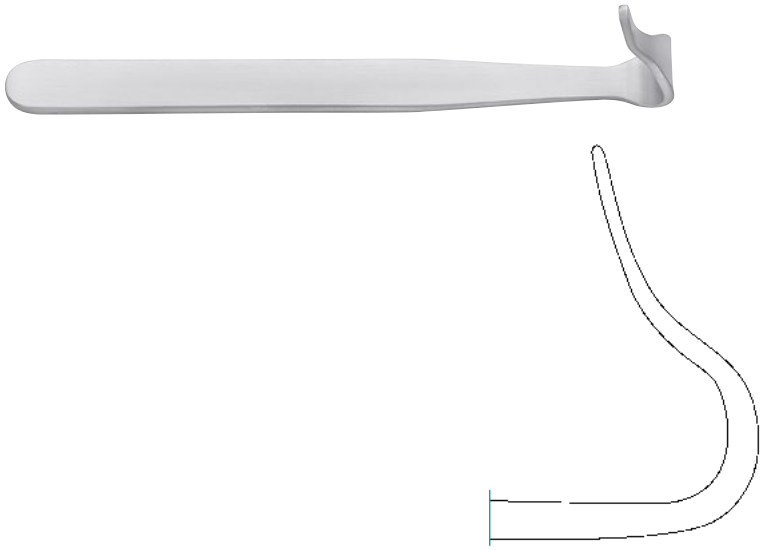






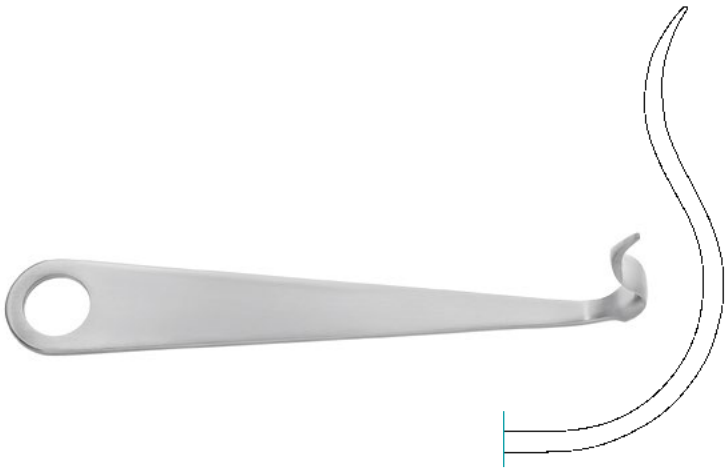
Knee Retractor, 38 x 9mm

210mm, $8^{1/4}$"	210-568-210



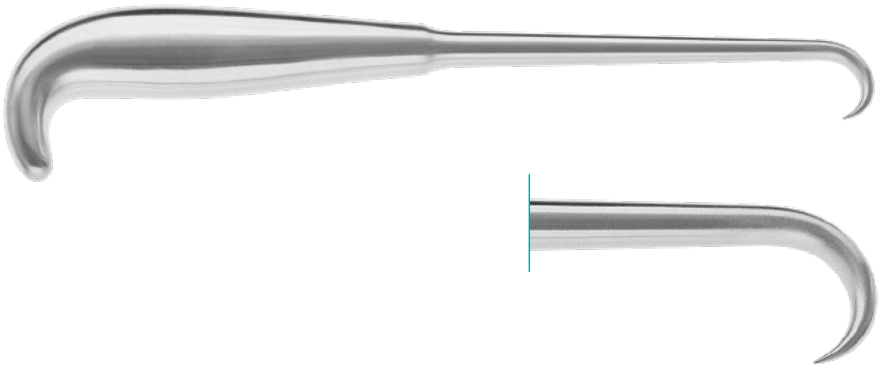
BLOUNT
Knee Retractor

175mm, $6^{7/8}$"	210-567-170



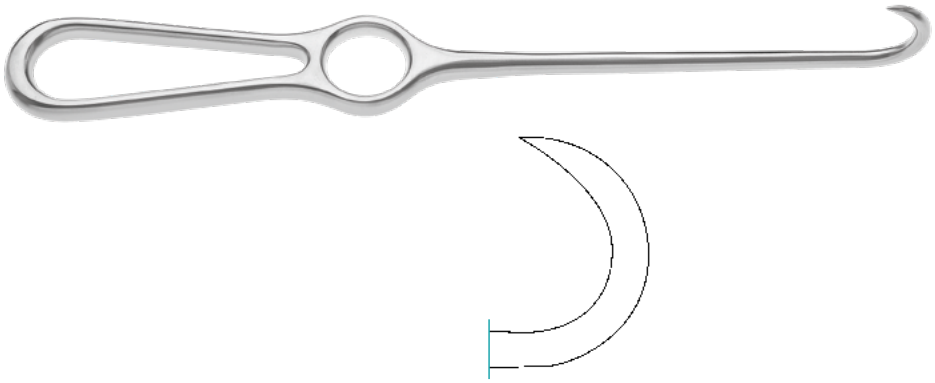
Knee and Meniscus Retractor

175mm, $6^{7/8}$"	210-569-170



Bone Hook, sharp, hollow handle, 230mm, 9″

9.5mm	210-230-101
19mm	210-230-102
25mm	210-230-103



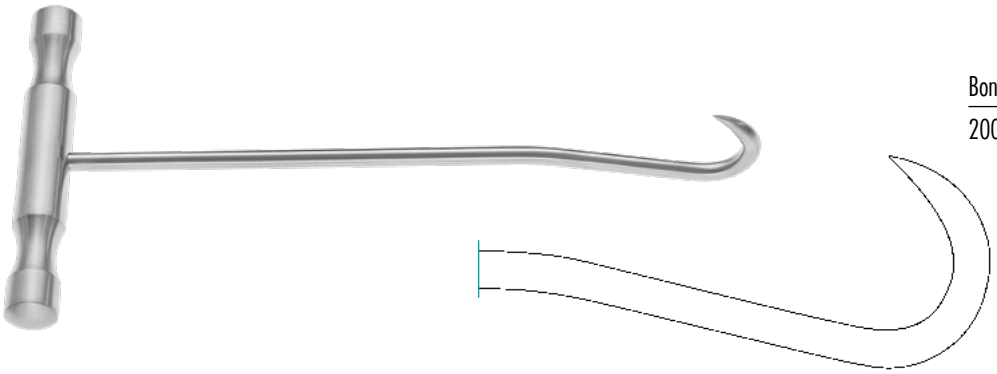
Bone Hook, 1 tooth, sharp

245mm, 9 2/3″	170-292-245



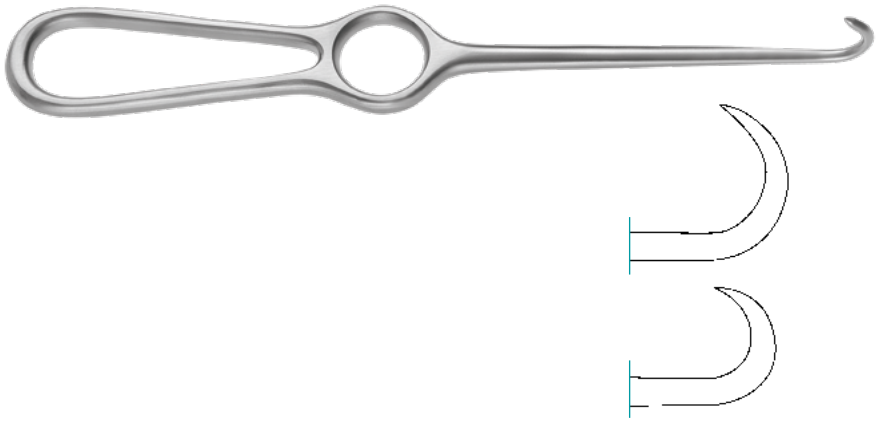
Bone Hook, 1 tooth, 200mm, 8″

Blunt	170-280-200
Sharp	170-282-200



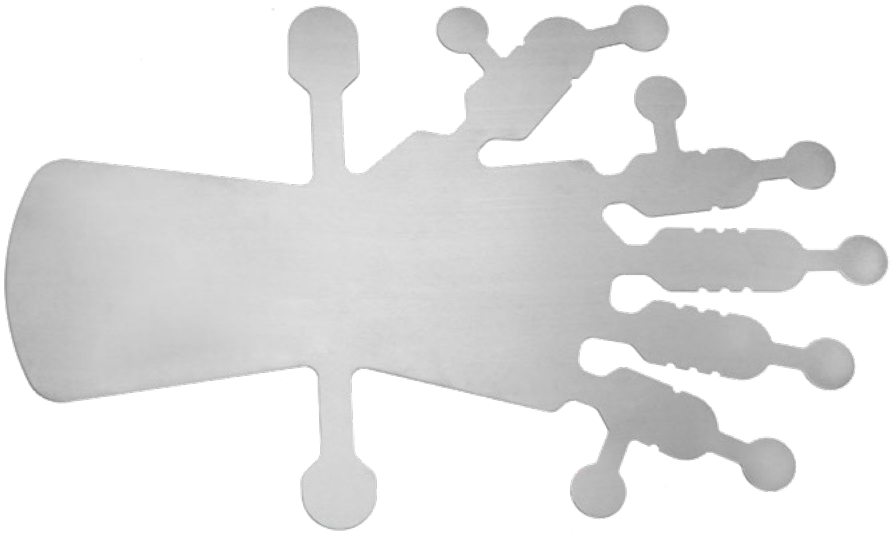
Bone Hook with T-Handle, sharp, 21mm

200mm, 8"	200-410-200



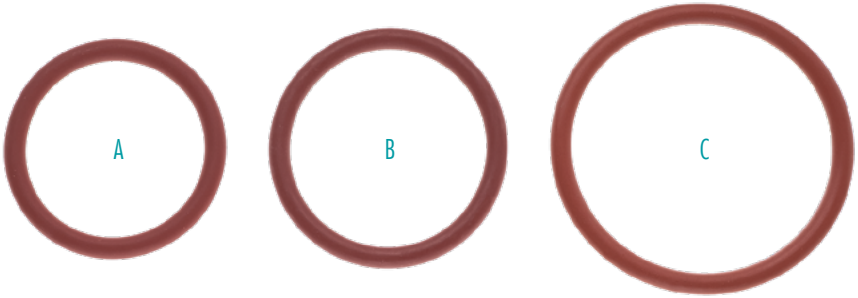
Bone Hook, 1 tooth, sharp, 230mm, 9"

Medium	200-410-001
Small	200-410-002



Lead Hand

Children	260-988-002
Adolescents	260-988-003
Adults	260-988-001



Fixation Rings (Scale 1:1)

A Children	260-988-004
B Adolescent	260-988-005
C Adults	260-988-006



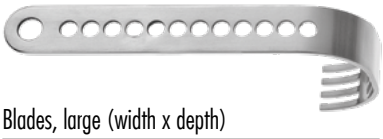
CHARNLEY
Charnley Initial Incision Retractor
frame and blade small 25 x 38mm
big blade 25 x 44mm
with weight and chain

Complete set	170-300-001
Frame	170-300-123
Weight and Chain	170-300-122



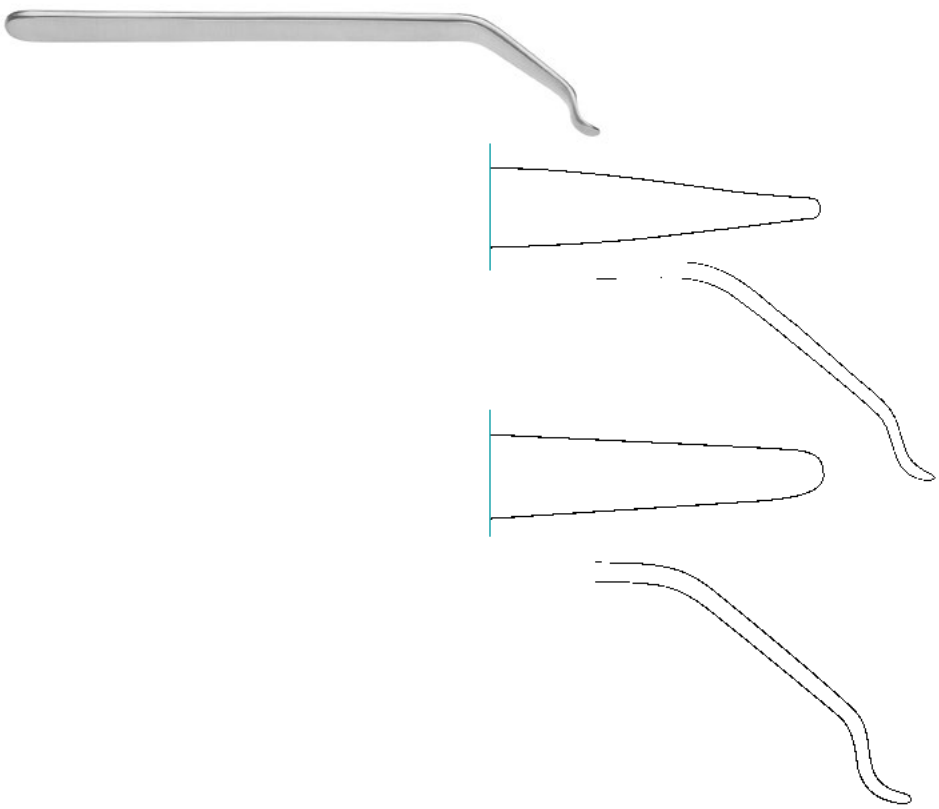
Blades, small (width x depth)

25 x 25mm	170-300-025
25 x 38mm	170-300-038
25 x 50mm	170-300-050
25 x 57mm	170-300-057
25 x 63mm	170-300-010
25 x 75mm	170-300-013
25 x 101mm	170-300-017
25 x 114mm	170-300-114
25 x 127mm	170-300-016



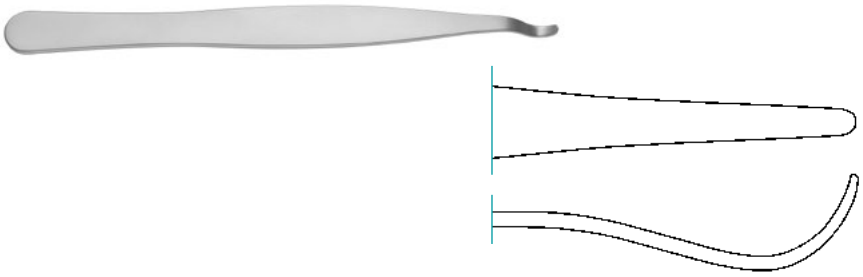
Blades, large (width x depth)

25 x 25mm	170-301-025
25 x 44mm	170-301-044
25 x 50mm	170-301-050
25 x 57mm	170-301-057
25 x 63mm	170-301-012
25 x 75mm	170-301-014
25 x 101mm	170-301-101
25 x 114mm	170-301-114
25 x 127mm	170-301-015



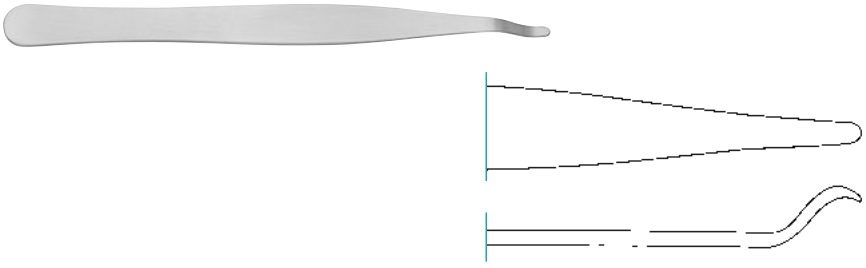
HAYES
Phalangeal Elevator, shaft angled 40°

130mm, 5 1/8"	210-471-003
150mm, 6"	210-471-006



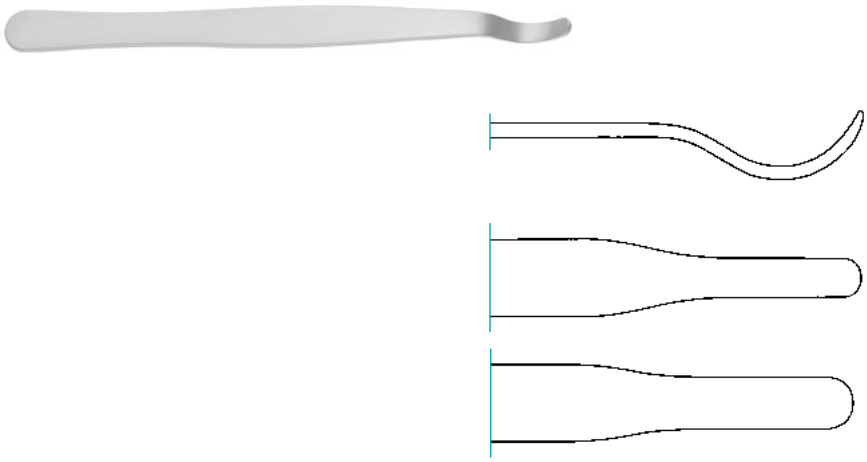
HAYES
Phalangeal Elevator, 3mm wide blade

150mm, 6"	210-473-150



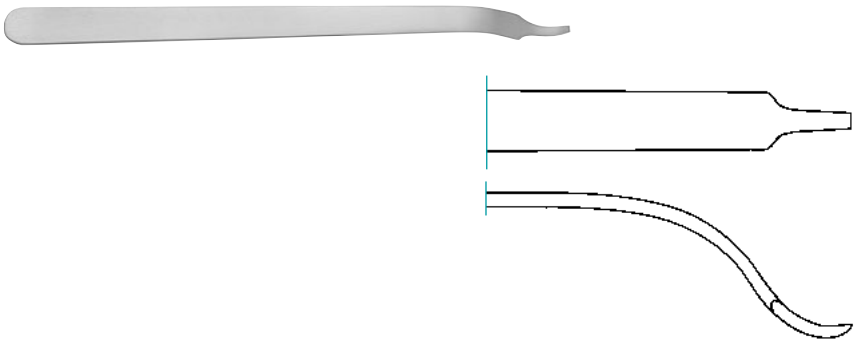
Bone Lever, 2.8mm

140mm, 5 1/2"	210-539-110



Phalangeal Elevator, 150mm, 6”

5mm	210-475-150
7mm	210-477-150



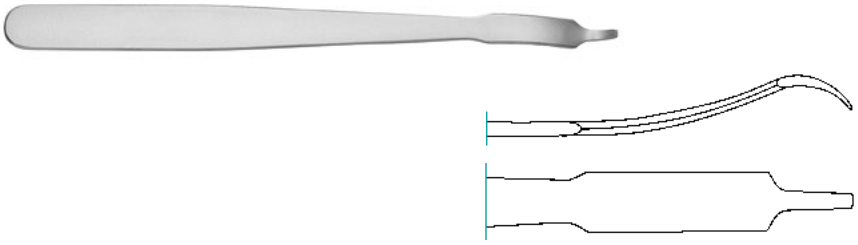
BUCK GRAMCKO
Bone Lever, 7.5mm wide, 2mm tip

150mm, 6”	210-541-075



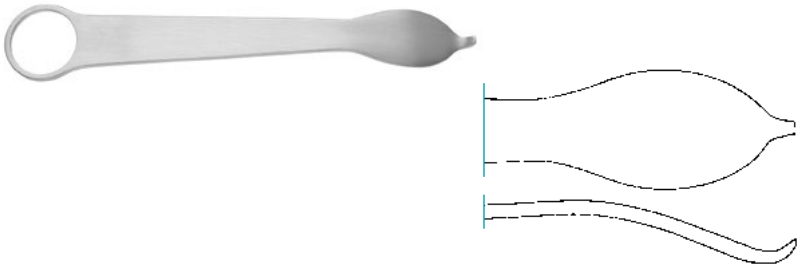
MINI HOHMANN
Bone Lever, 6mm wide, 2mm tip

160mm, $6^{1/4}$”	210-539-060



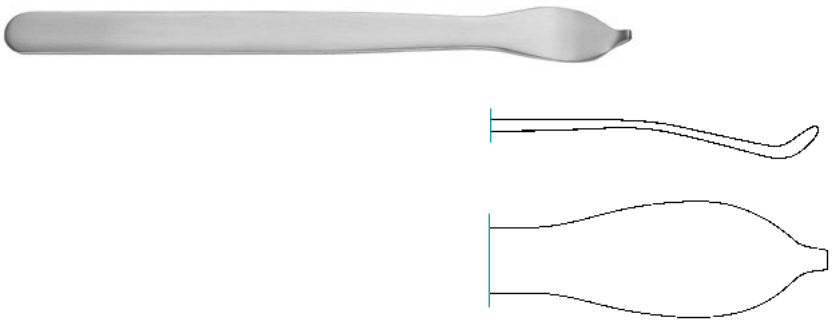
HOHMANN
Bone Lever, 2mm tip, 8mm wide

160mm, 6 1/4"	210-541-080



HOHMANN
Bone Lever, 15mm wide tip, with finger ring

120mm, 4 3/4"	210-541-150



Mini Bone Lever, 15mm wide tip

160mm, 6 1/4"	210-539-150



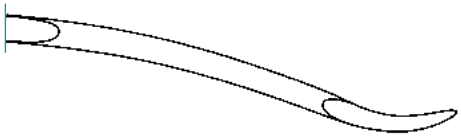




LANGE BABY
Bone Lever, 17mm wide

170mm, $6^{2/3}$"	210-534-170

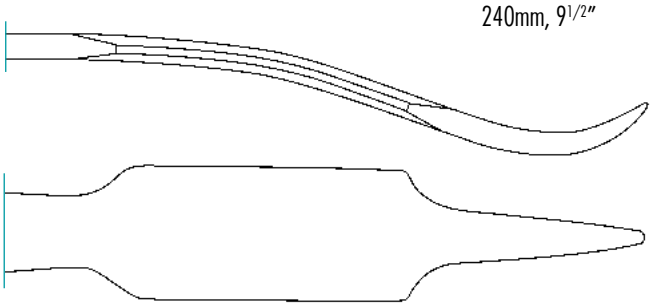




HOHMANN
Bone Lever, 240mm, $9^{1/2}$"

8mm	210-541-108
10mm	210-541-100
18mm	210-541-180
24mm	210-541-240
43mm	210-541-430
70mm	210-541-700

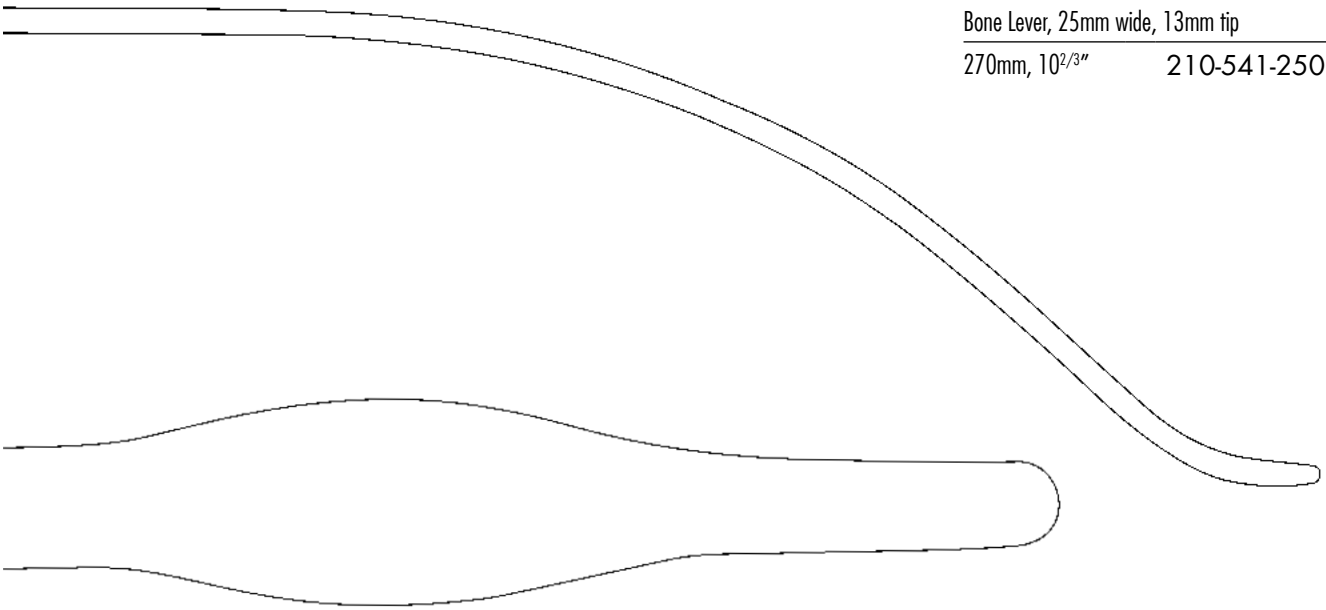




HOHMANN
Bone Lever, 17mm, sharp

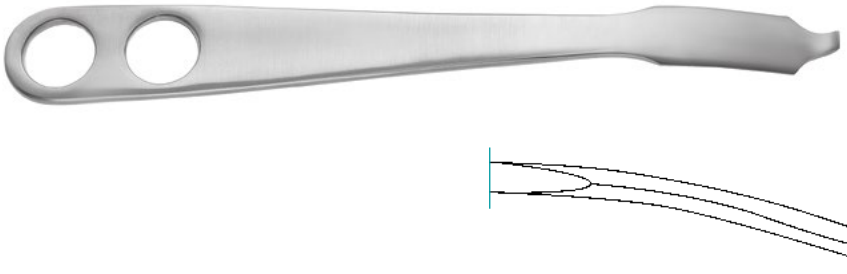
240mm, $9^{1/2}$″	210-542-180





HOHMANN
Bone Lever, 25mm wide, 13mm tip

270mm, $10^{2/3}$″	210-541-250



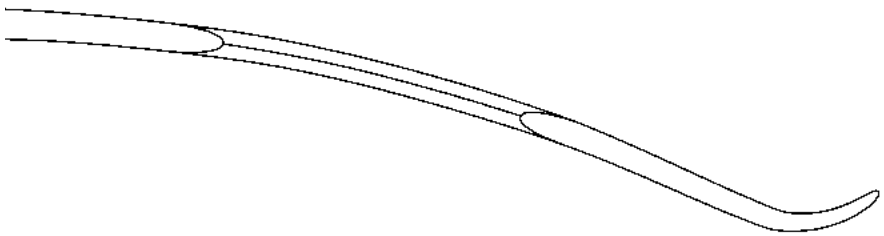
WAGNER
Bone Lever, 17mm

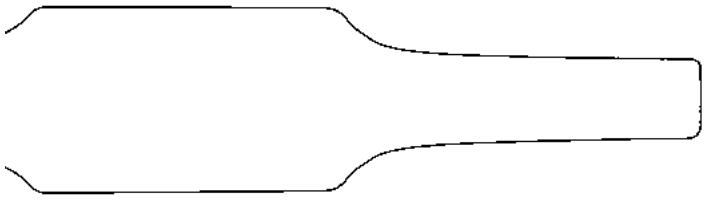
220mm, $8^{2/3}$"	210-540-220

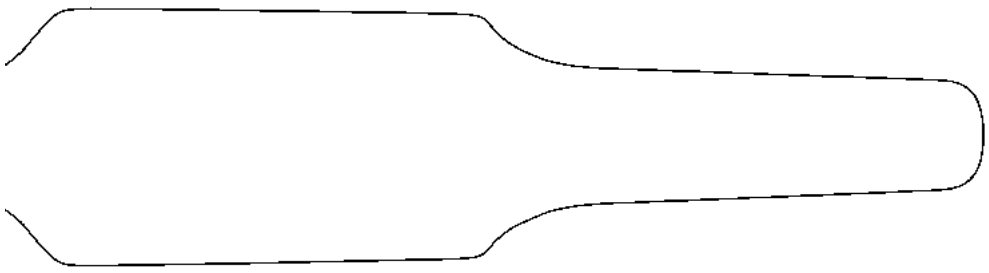


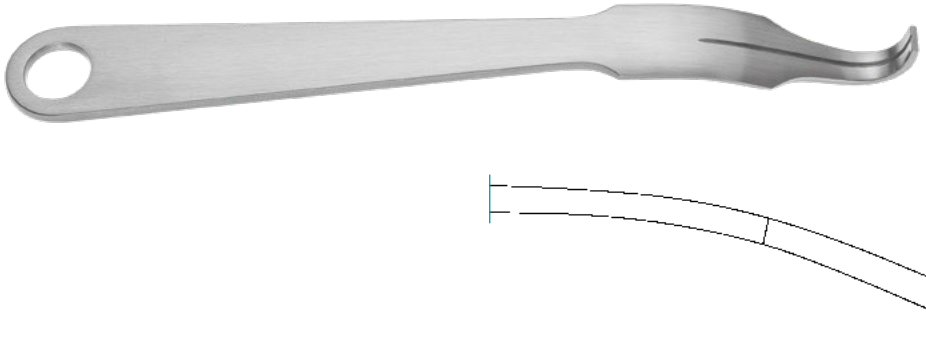
HOHMANN
Bone Lever, 24mm

260mm, $10^{1/4}$"	210-545-220
35mm	
285mm, $11^{1/4}$"	210-545-350





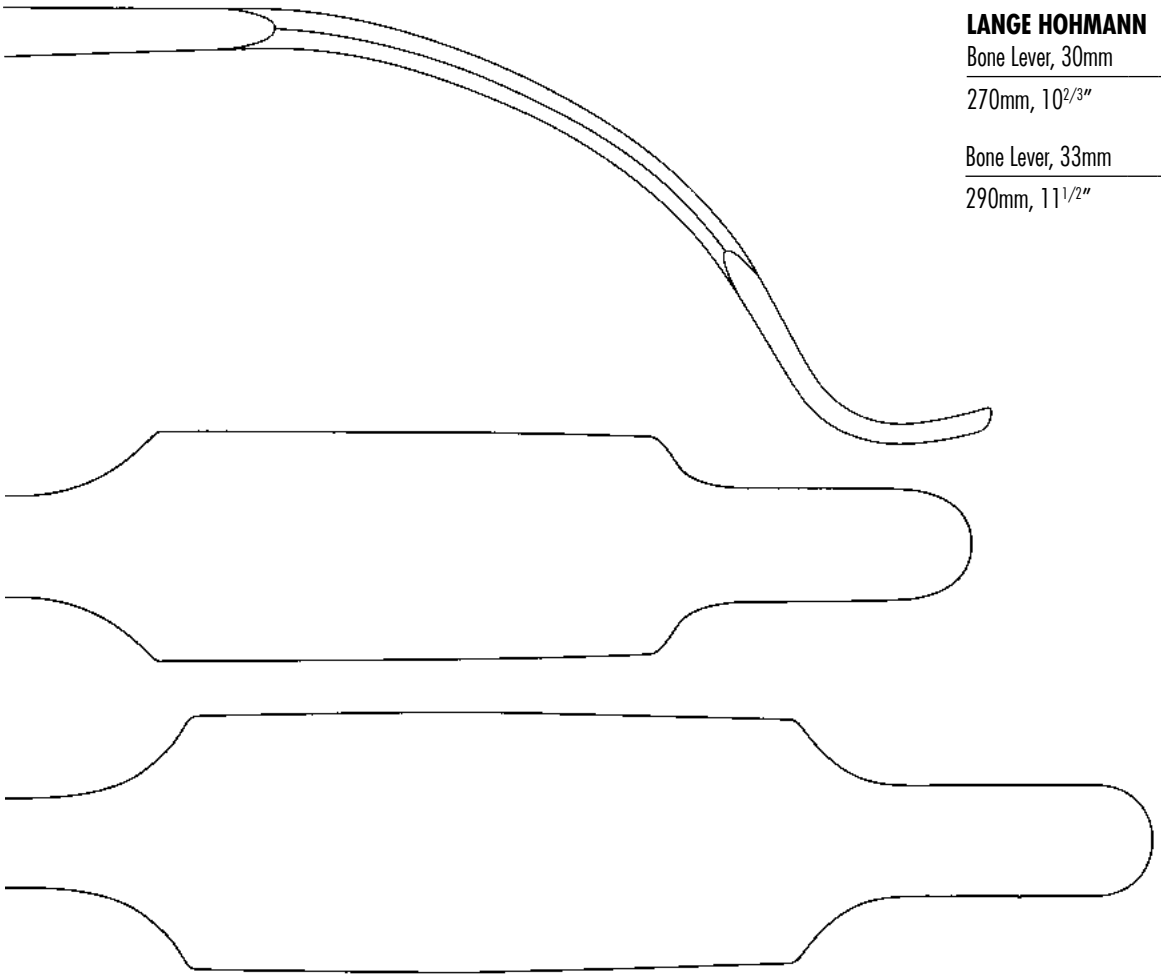




LANGE HOHMANN
Bone Lever, 24mm wide

250mm, $9^{7/8}$"	210-557-250



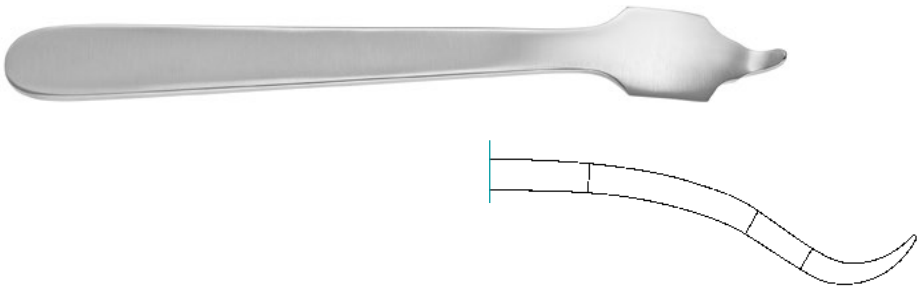


LANGE HOHMANN
Bone Lever, 30mm

270mm, $10^{2/3}$"	210-557-270

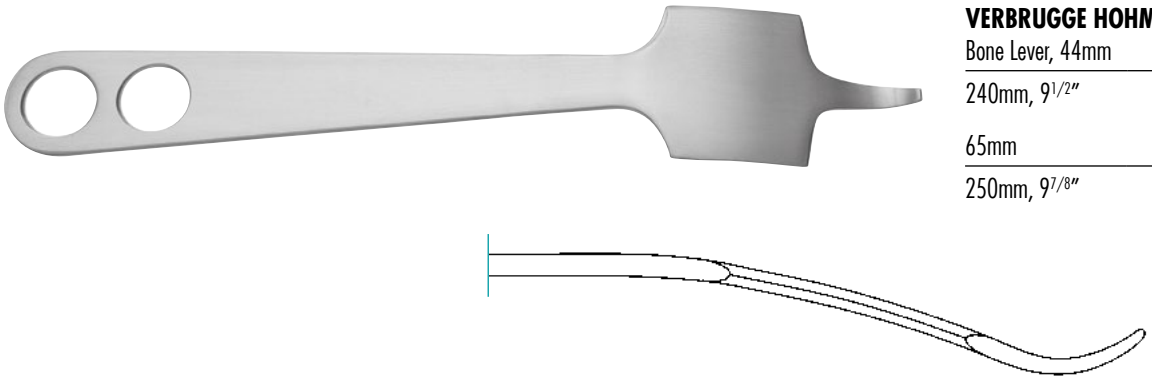
Bone Lever, 33mm

290mm, $11^{1/2}$"	210-557-290



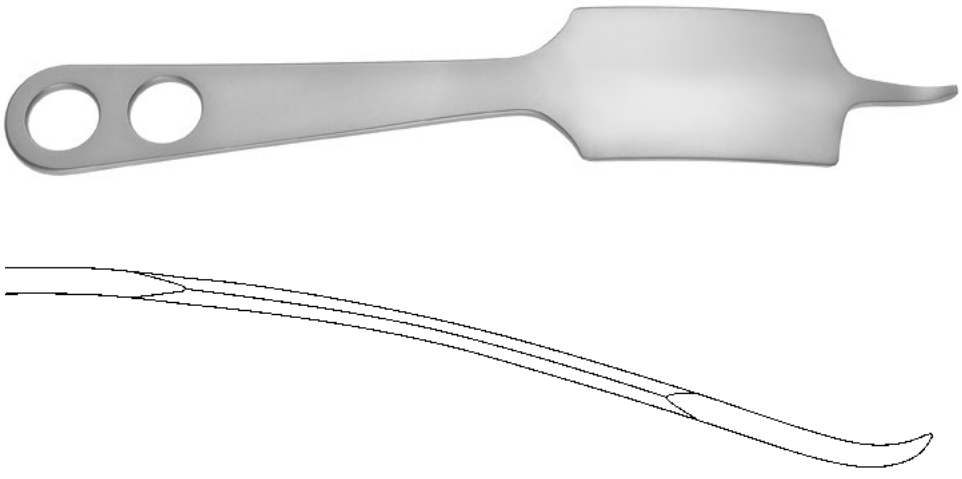
VERBRUGGE
Bone Lever, 25mm

200mm, 8″	210-542-025
45mm	
230mm, 9″	210-542-045
70mm	
250mm, 9 7/8″	210-542-070



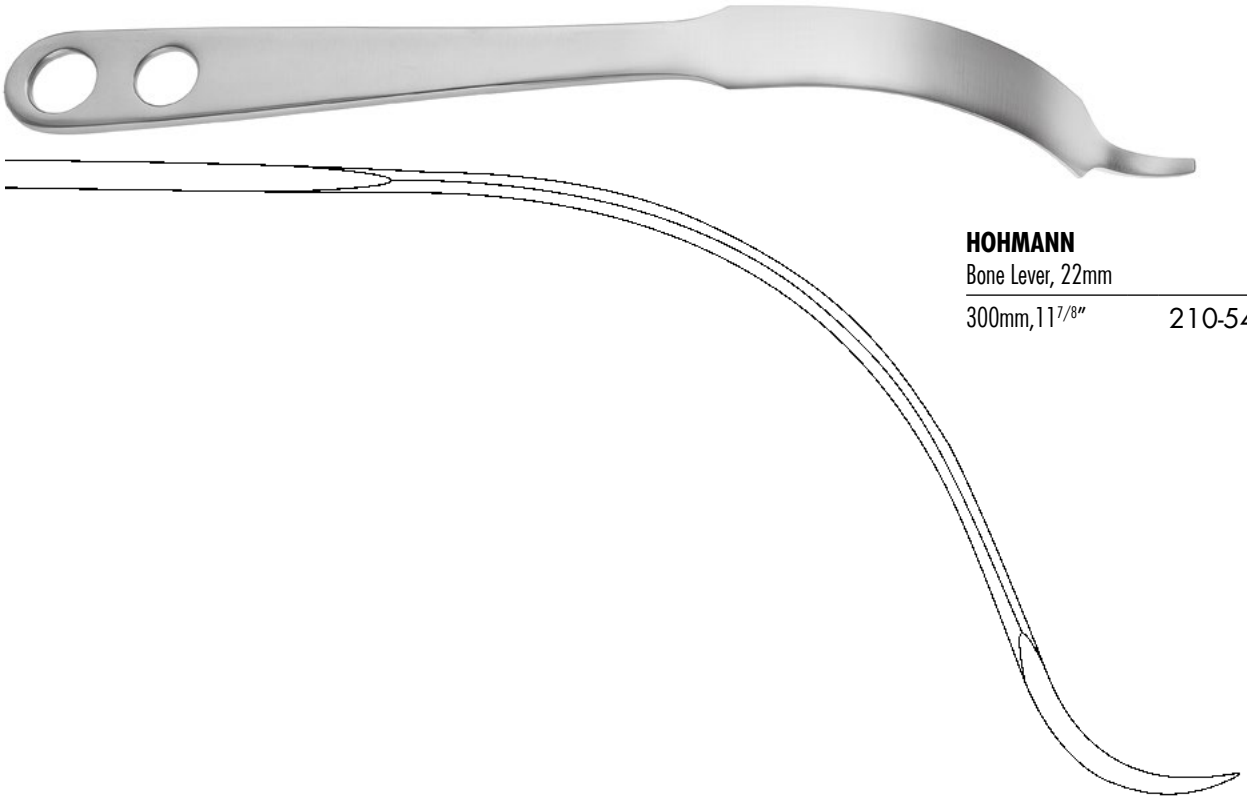
VERBRUGGE HOHMANN
Bone Lever, 44mm

240mm, 9 1/2″	210-541-043
65mm	
250mm, 9 7/8″	210-541-065



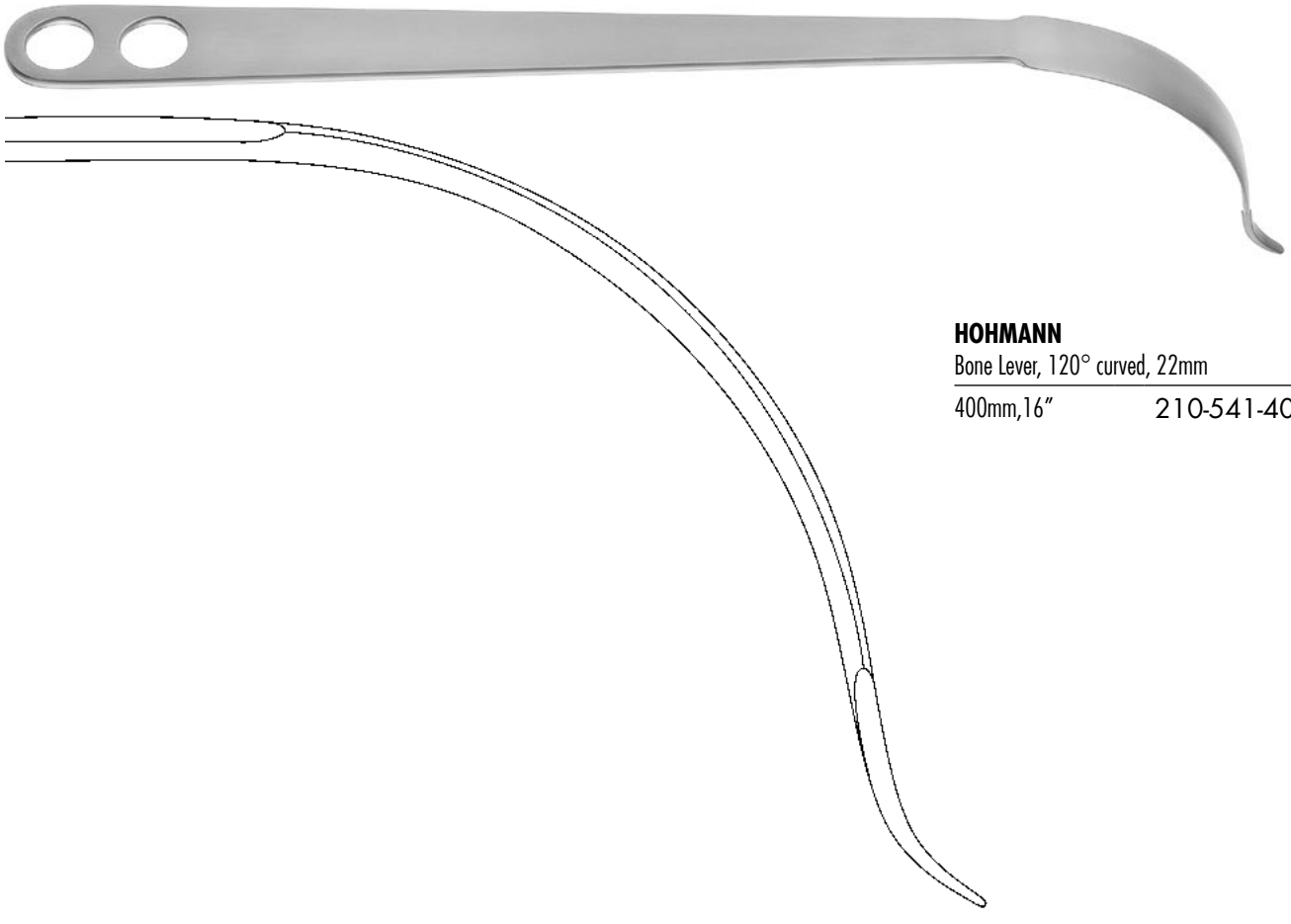
HOHMANN
Bone Lever, 43mm

235mm, 9 1/4″	210-543-430



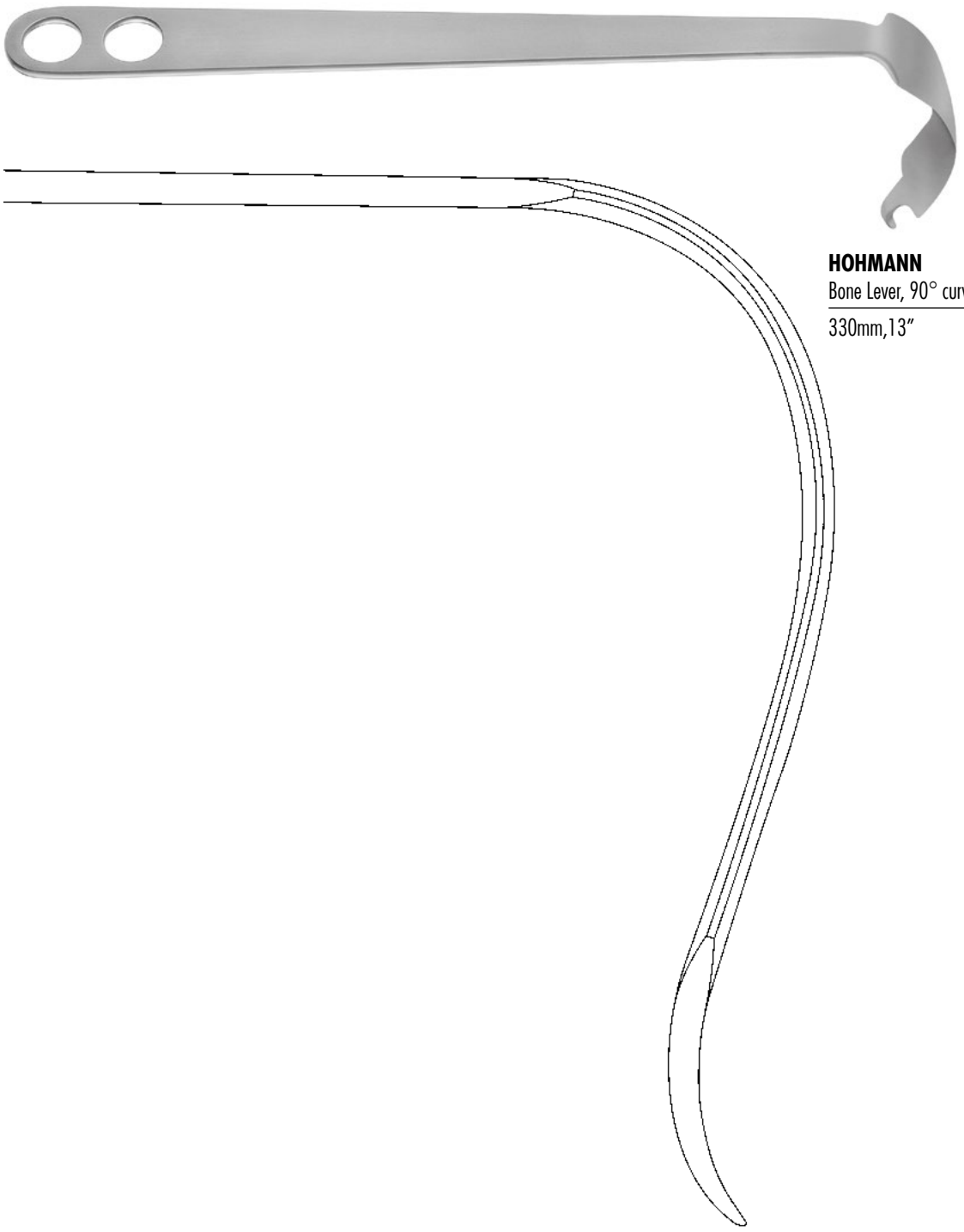
HOHMANN
Bone Lever, 22mm

300mm,11 7/8"	210-545-221



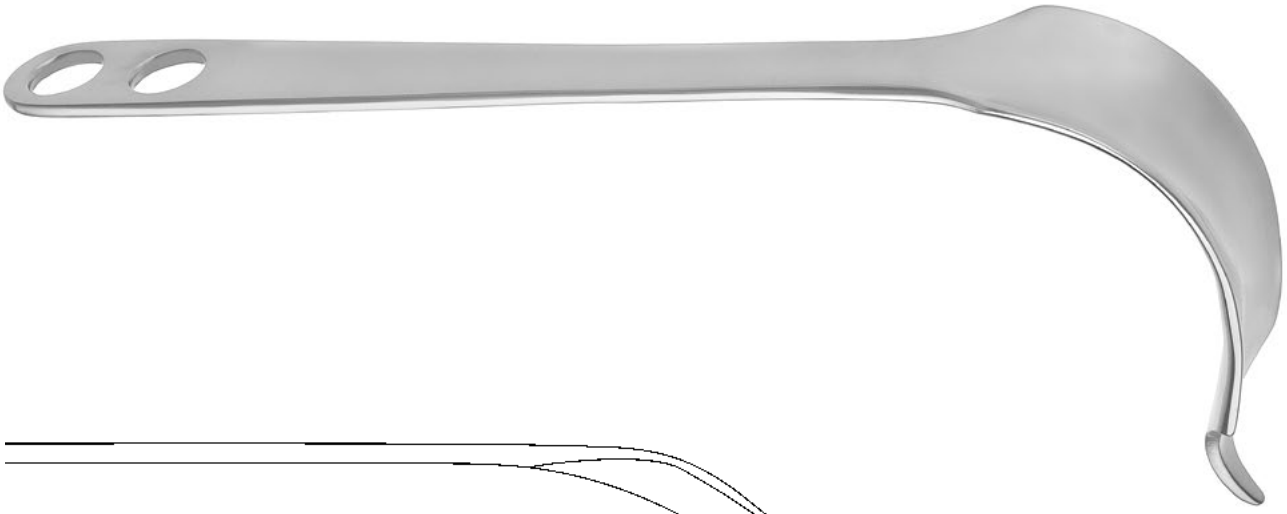
HOHMANN
Bone Lever, 120° curved, 22mm

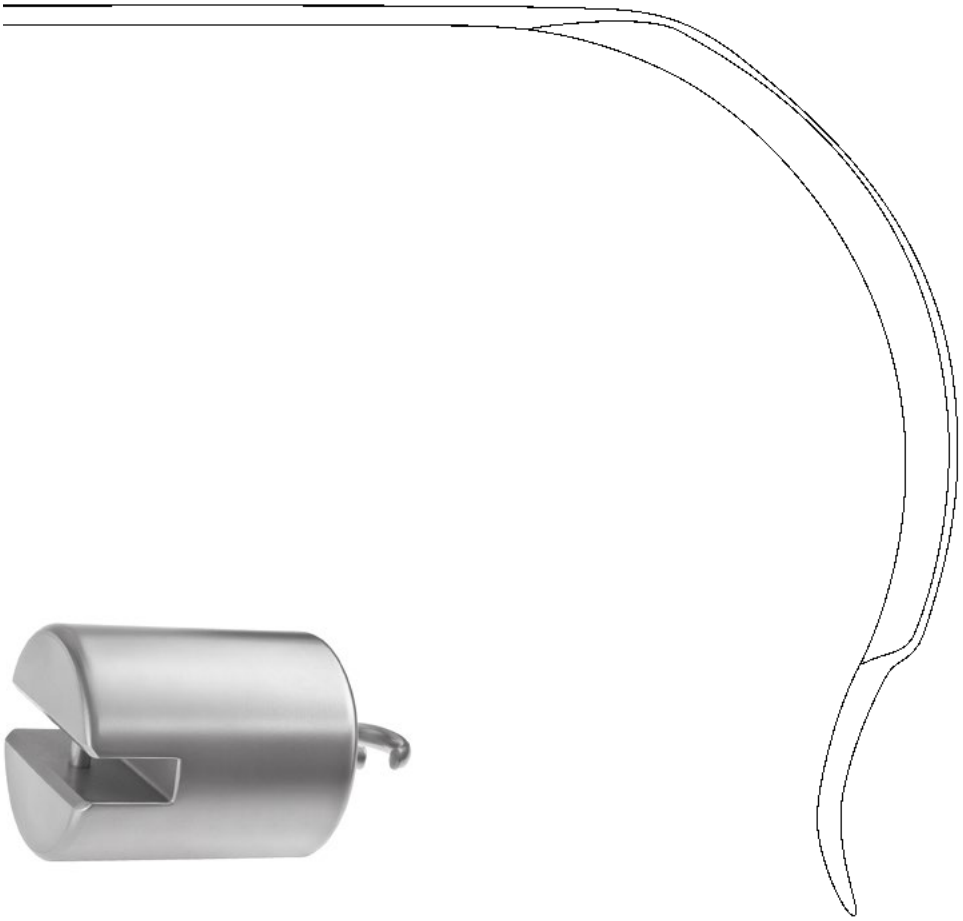
400mm,16"	210-541-400



HOHMANN
Bone Lever, 90° curved, 43mm

330mm,13"	210-541-330



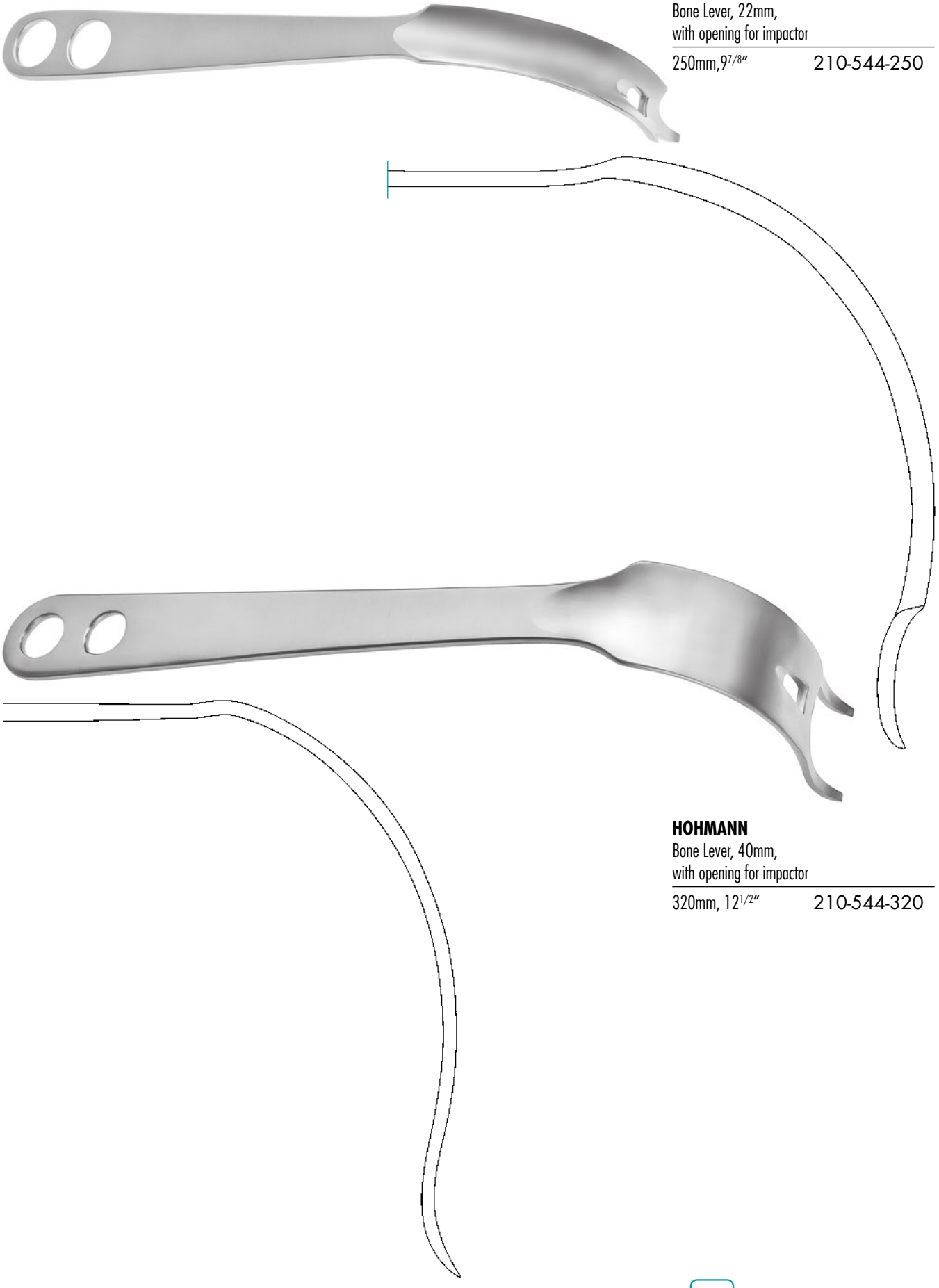


HOHMANN
Bone Lever, 40mm

300mm,11 7/8"	210-545-400

Weight for Hohmann Bone Levers, combinable

1200gr	210-541-000

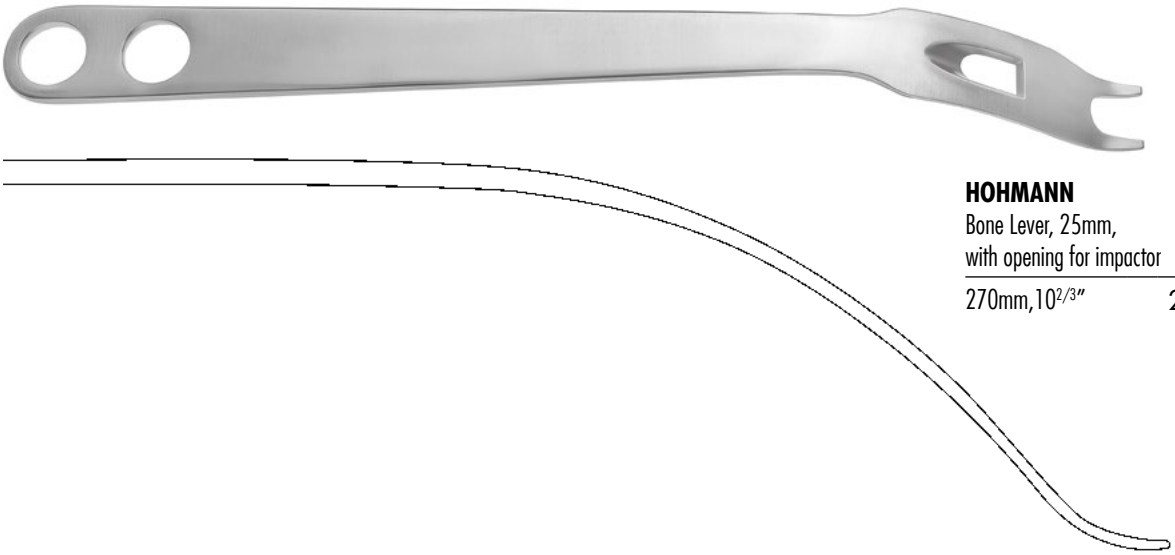


HOHMANN
Bone Lever, 22mm,
with opening for impactor

250mm, $9^{7/8}$" 210-544-250

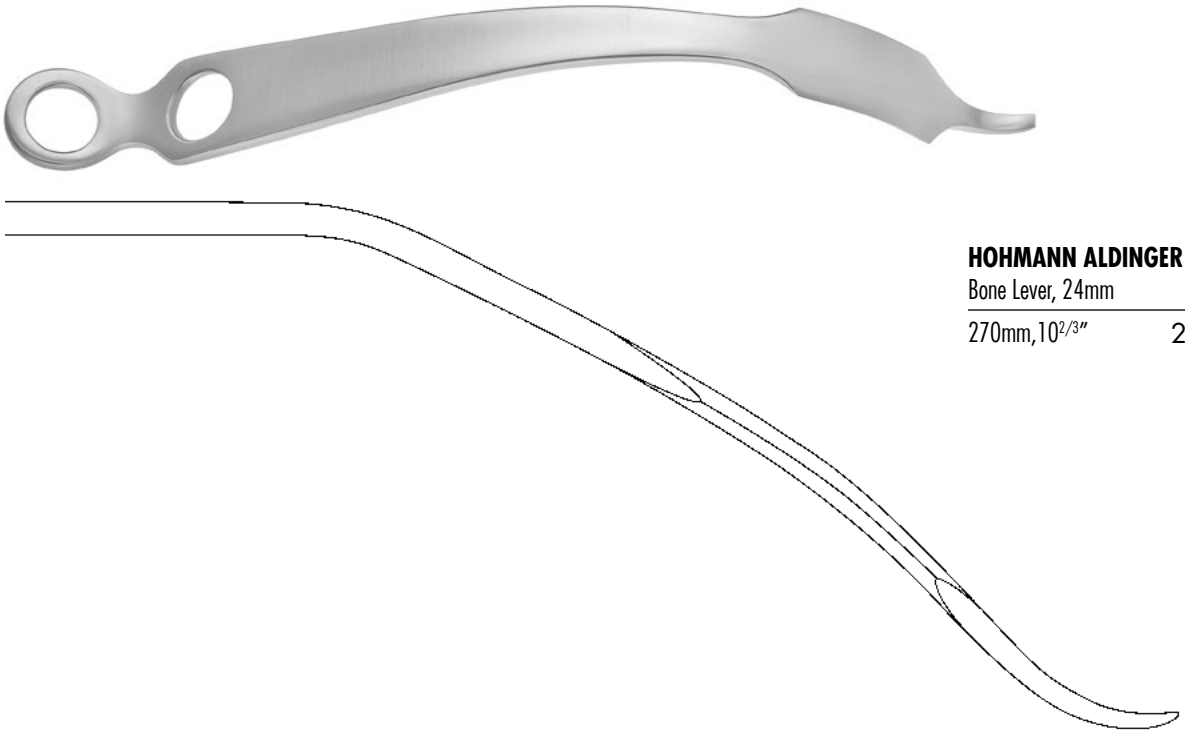
HOHMANN
Bone Lever, 40mm,
with opening for impactor

320mm, $12^{1/2}$" 210-544-320



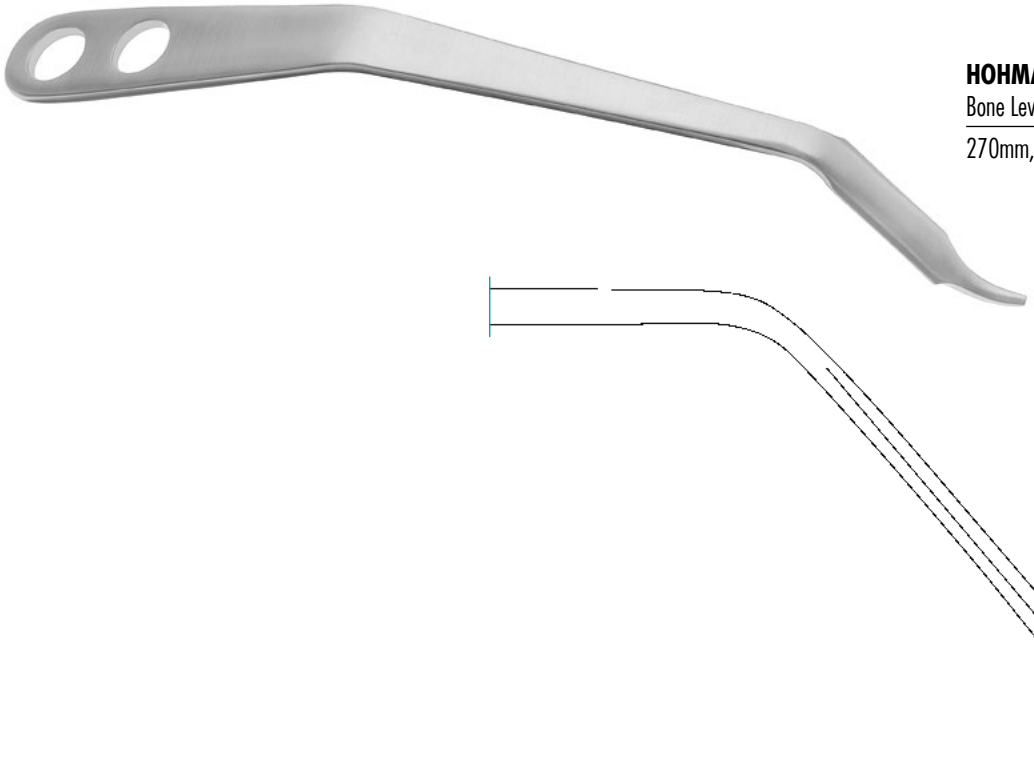
HOHMANN
Bone Lever, 25mm,
with opening for impactor

270mm, $10^{2/3}$″	210-544-270

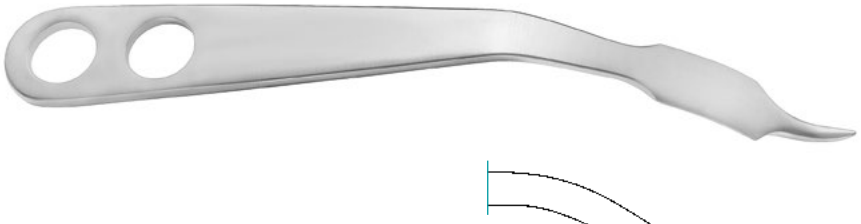


HOHMANN ALDINGER
Bone Lever, 24mm

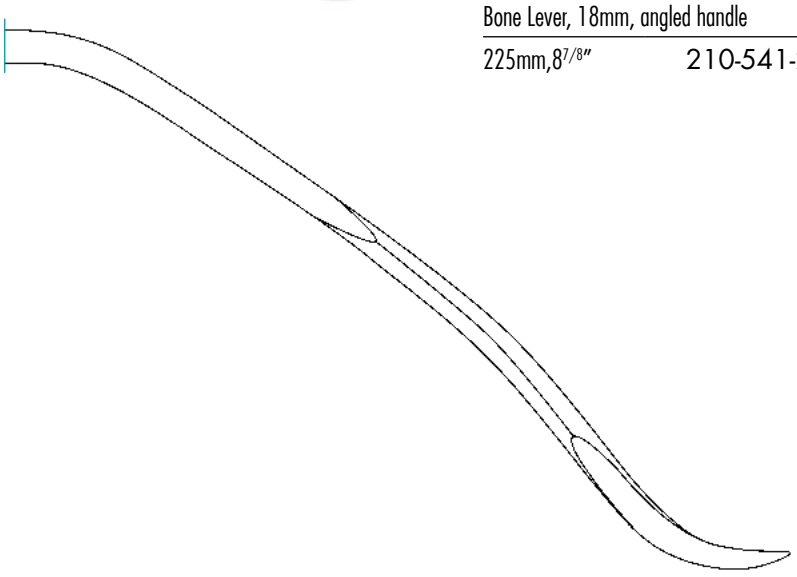
270mm, $10^{2/3}$″	210-543-270

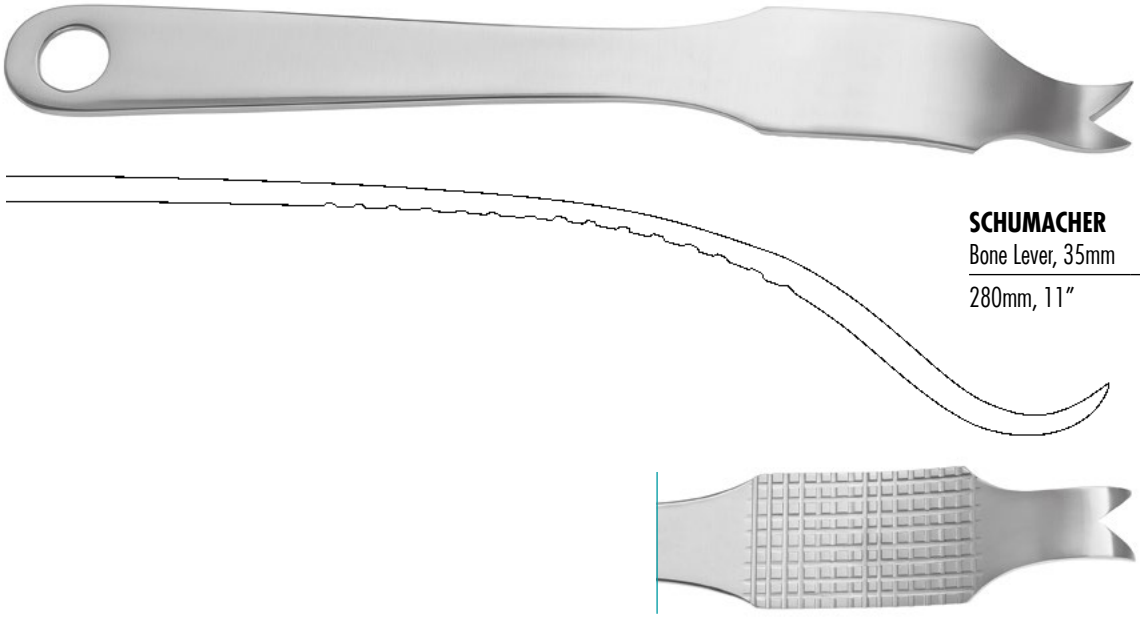


HOHMANN
Bone Lever, 15mm, double-angled handle
270mm,10 2/3" 210-541-270



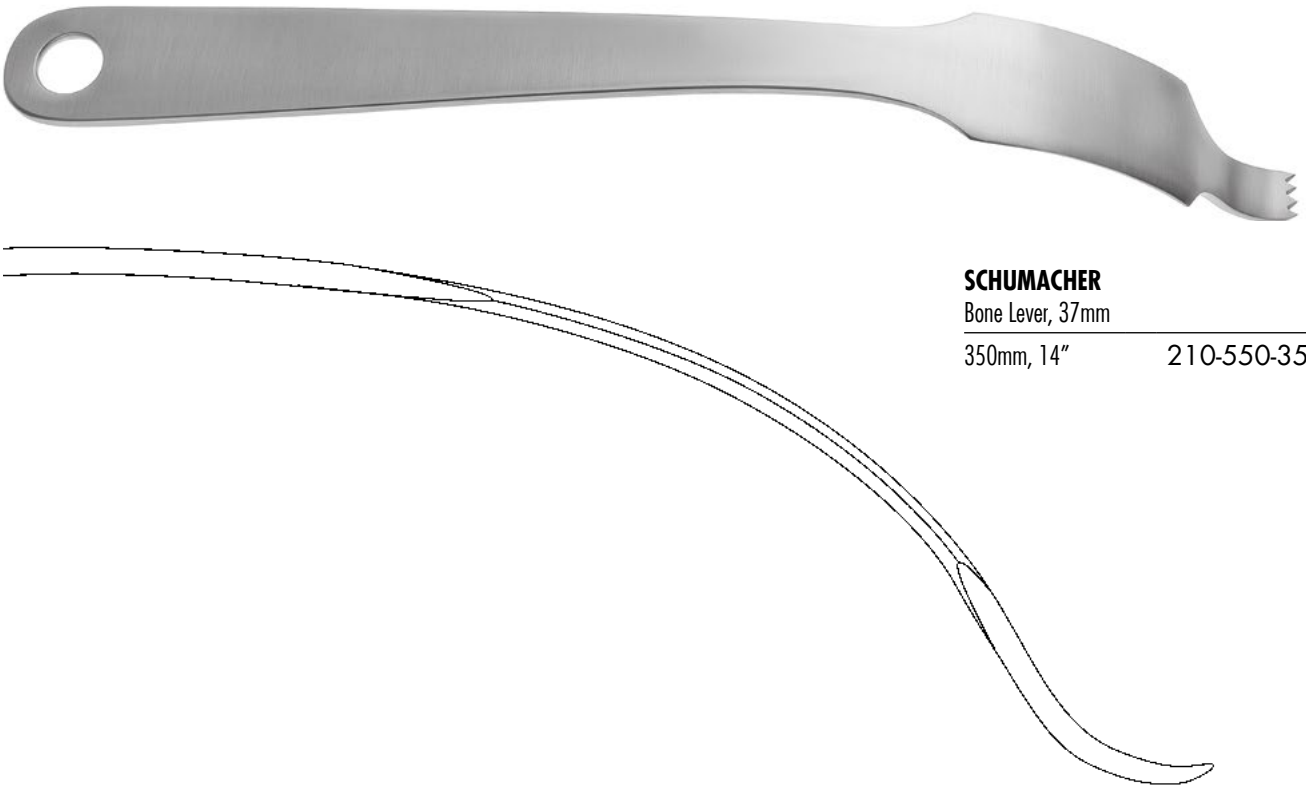
HOHMANN
Bone Lever, 18mm, angled handle
225mm,8 7/8" 210-541-225





SCHUMACHER
Bone Lever, 35mm

280mm, 11"	210-550-280



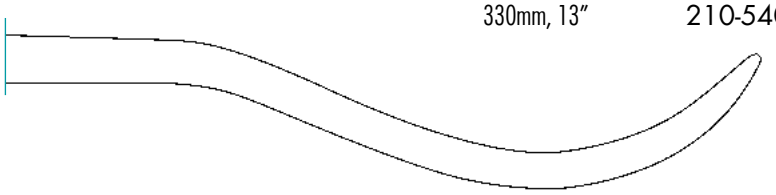
SCHUMACHER
Bone Lever, 37mm

350mm, 14"	210-550-350



WAGNER
Bone Lever, 8mm, synthetic handle

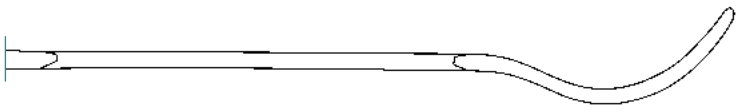
330mm, 13"	210-540-330





WATSON JONES
Bone Lever

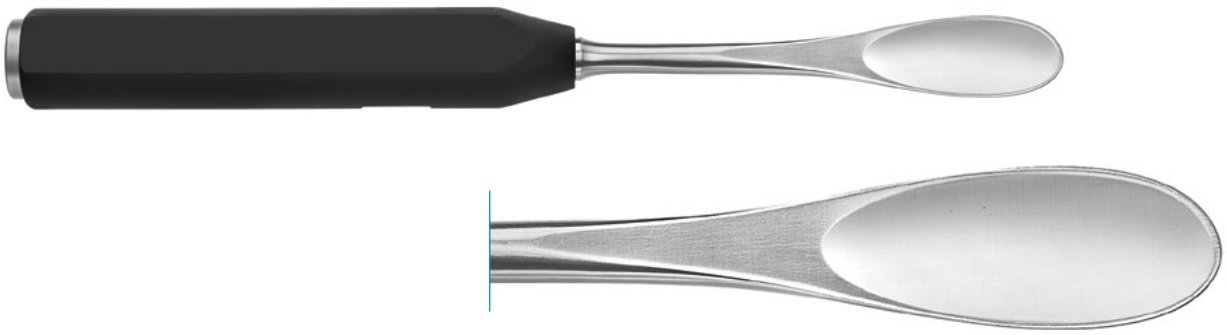
280mm, 11"	210-545-280





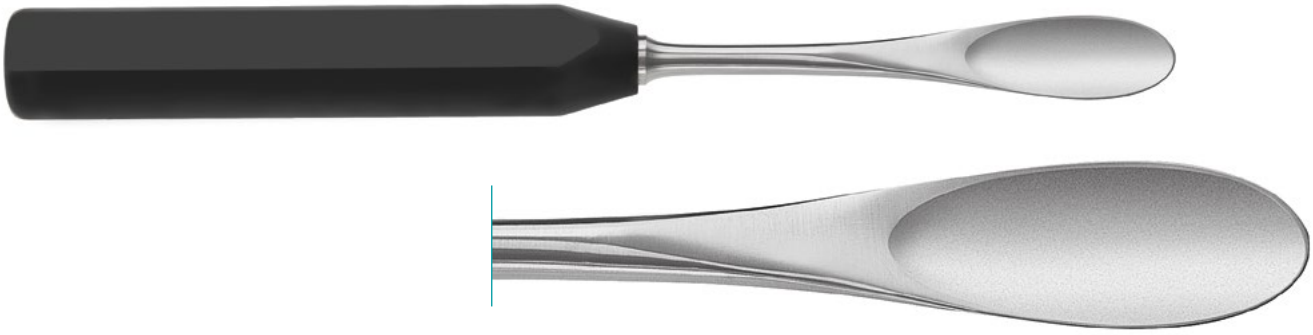
BENNET
Bone Lever, 240mm, $9^{1/2}$"

45mm	210-561-045
65mm	210-561-065



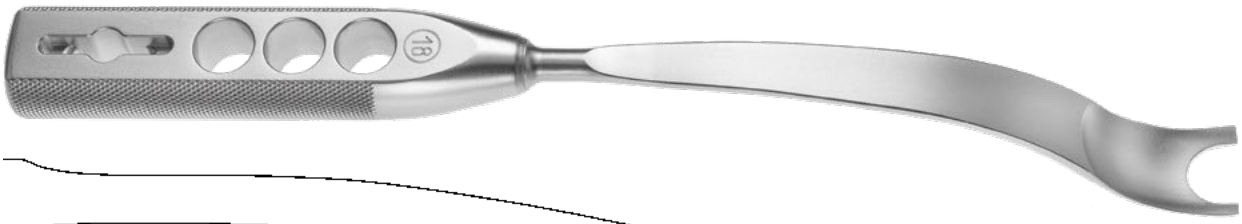
Luxation Lever, synthetic handle, 25mm

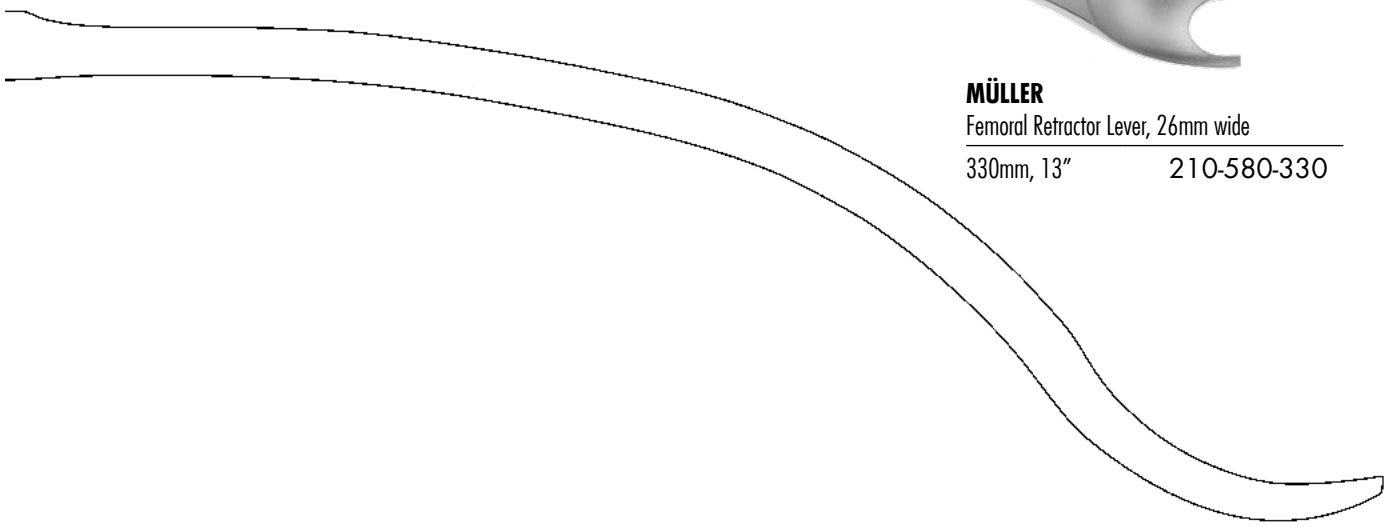
280mm, 11″	210-151-280



Luxation Lever, synthetic handle, 25mm

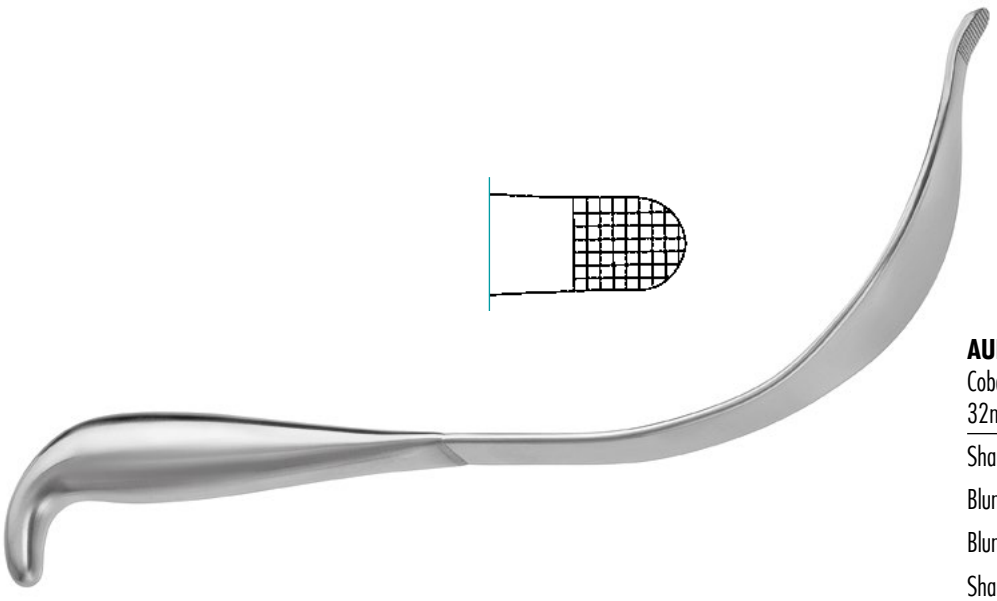
310mm, 12 1/4″	210-151-310





MÜLLER
Femoral Retractor Lever, 26mm wide

330mm, 13"	210-580-330



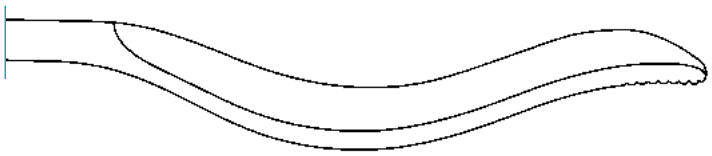
AUFRANC
Coba Elevator, 260mm, 10 1/4"

32mm	
Sharp, serrated	210-568-260
Blunt, serrated	210-569-260
Blunt, smooth	210-570-260
Sharp, smooth	210-571-260
44mm	
Blunt, serrated	210-572-260
Sharp, serrated	210-573-260

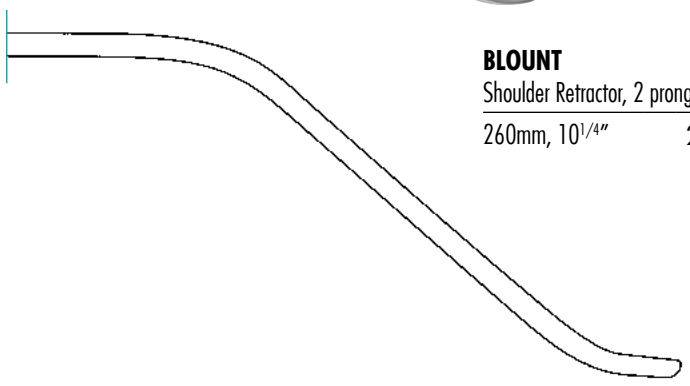


MURPHY LANE
Luxation Lever, 30mm

280mm, 11″	210-575-340







BLOUNT
Shoulder Retractor, 2 prongs

260mm, $10^{1/4}$″	210-565-260



BLOUNT
Bone Lever

260mm, 10 1/4" 210-563-260

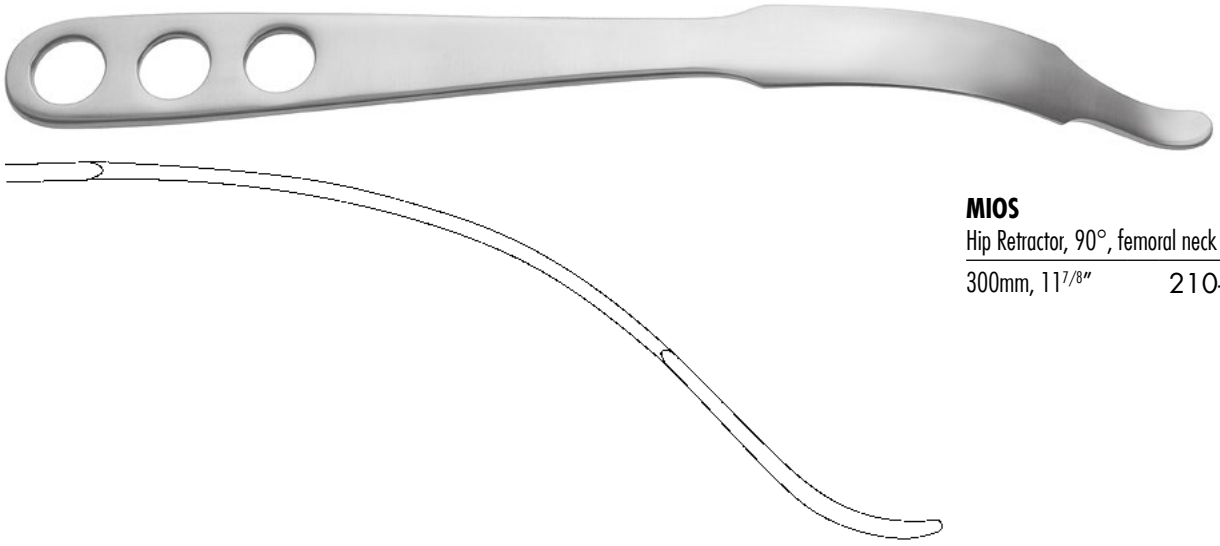




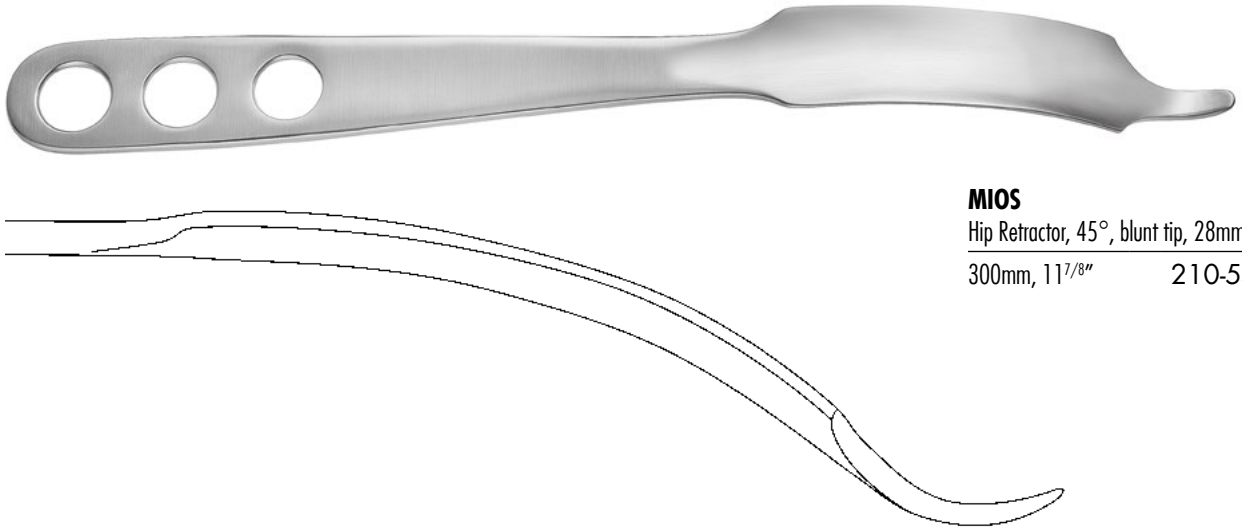


Humeral Head Retractor, strongly curved,
18mm wide, 1 blunt prong

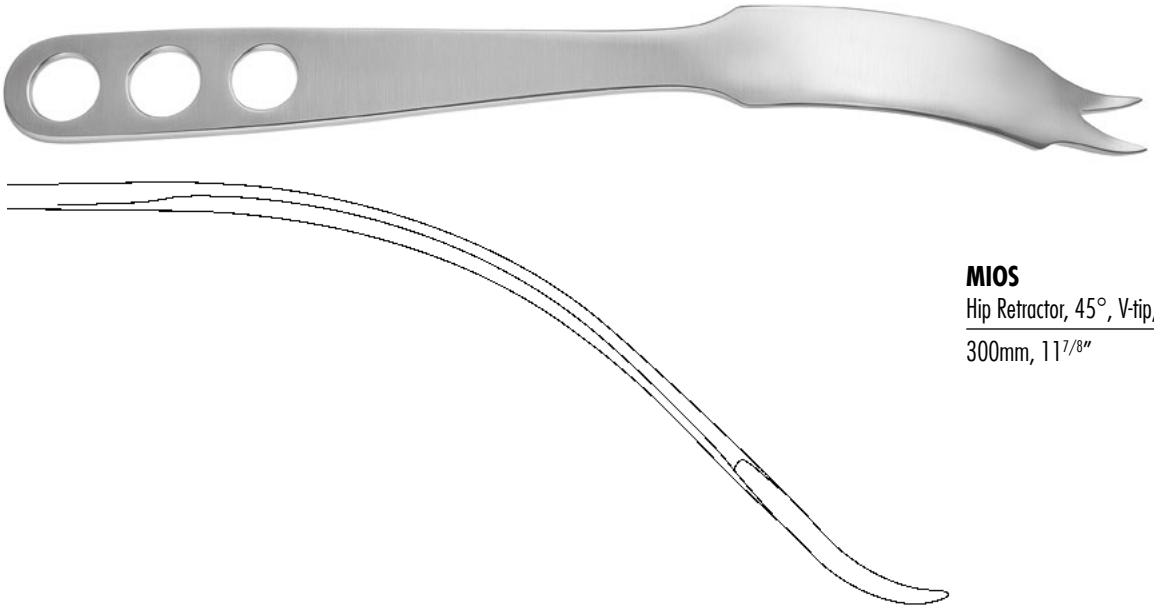
210mm, 8 1/4" 210-536-180



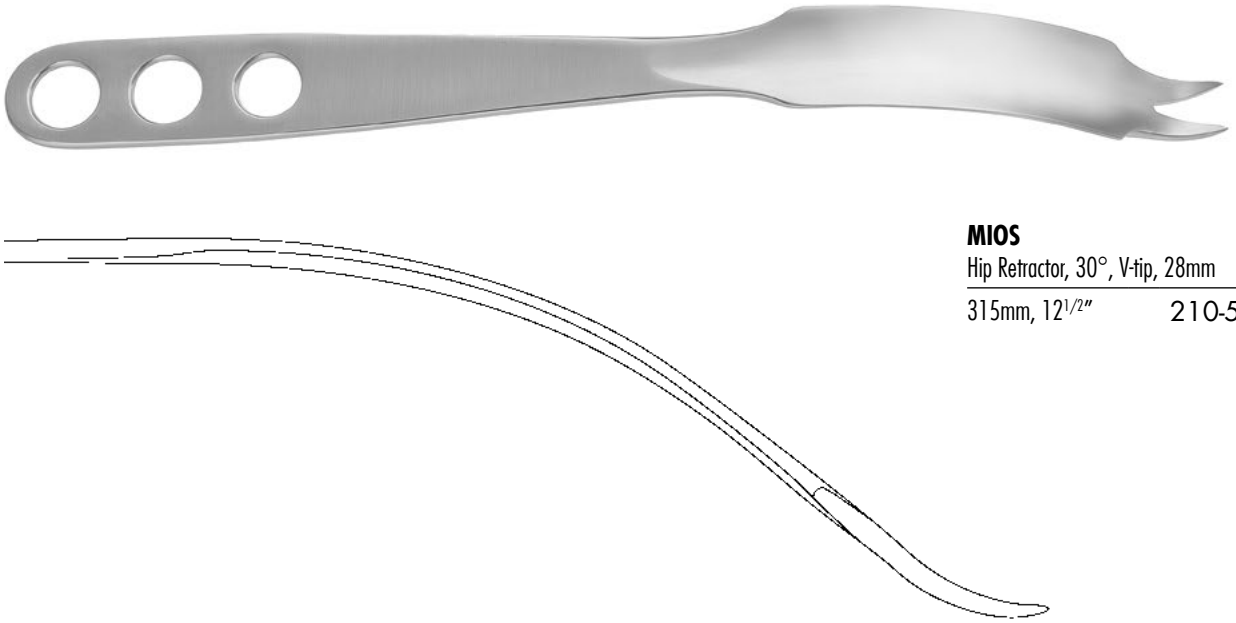
MIOS
Hip Retractor, 90°, femoral neck tip, 22mm
300mm, 11 7/8" 210-590-240



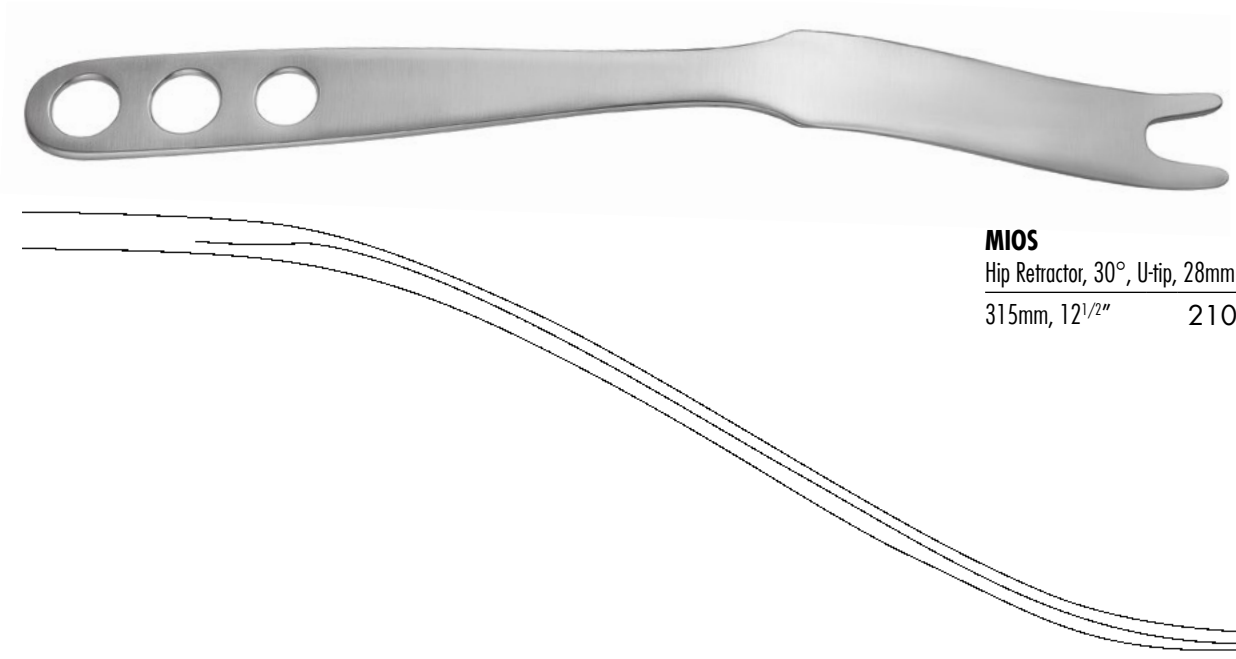
MIOS
Hip Retractor, 45°, blunt tip, 28mm
300mm, 11 7/8" 210-545-302



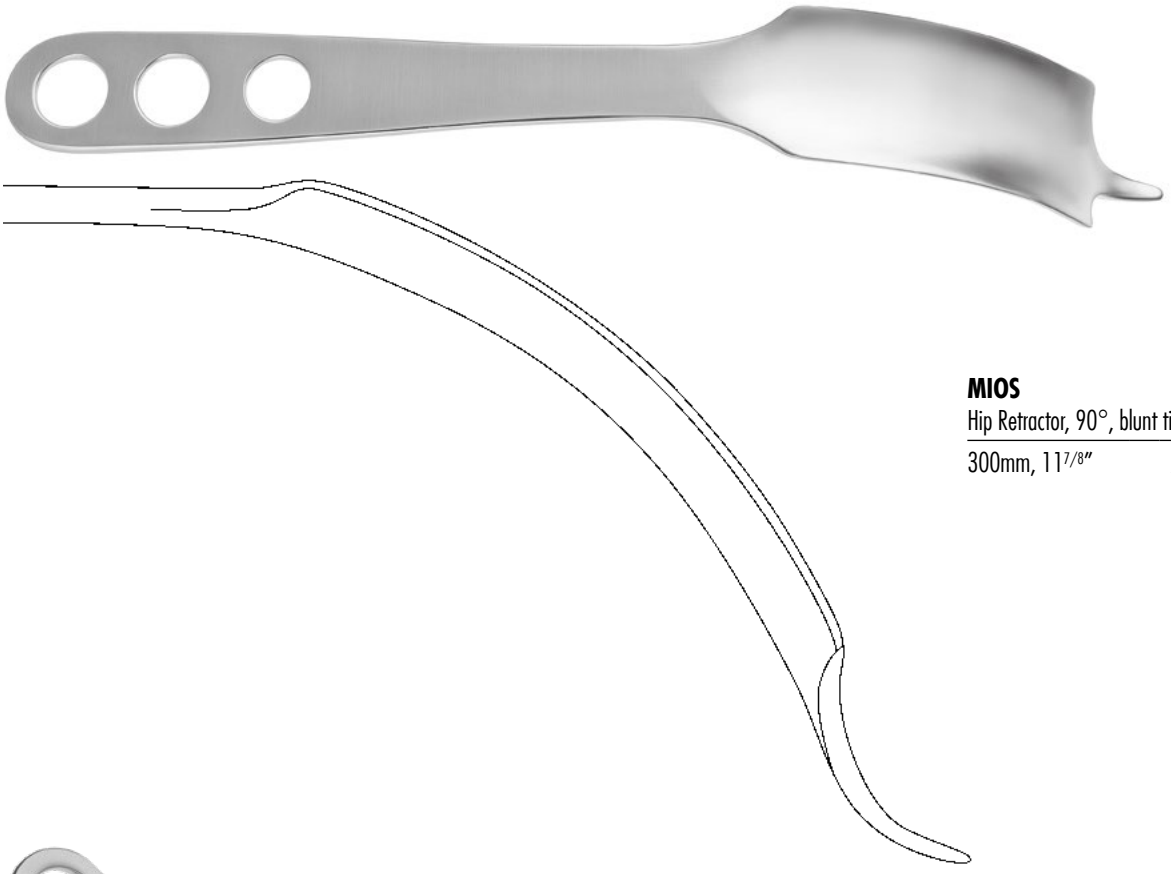
MIOS
Hip Retractor, 45°, V-tip, 28mm
300mm, 11 7/8" 210-545-300



MIOS
Hip Retractor, 30°, V-tip, 28mm
315mm, 12 1/2" 210-530-315

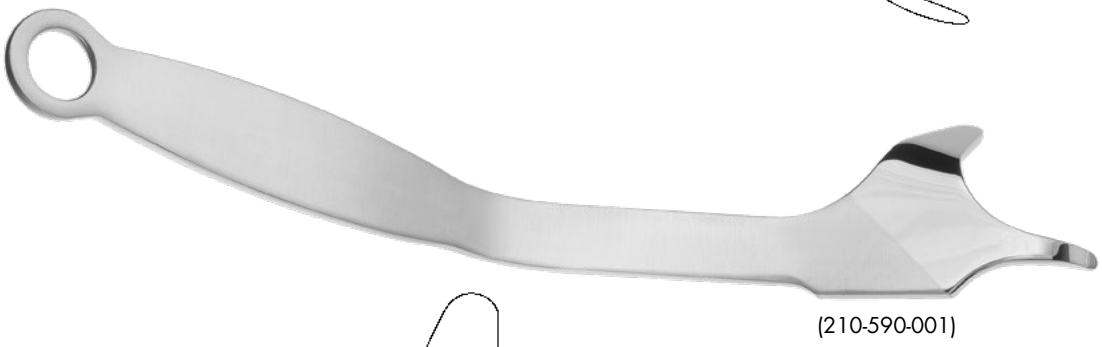


MIOS
Hip Retractor, 30°, U-tip, 28mm
315mm, 12 1/2" 210-520-315



MIOS
Hip Retractor, 90°, blunt tip, 40mm

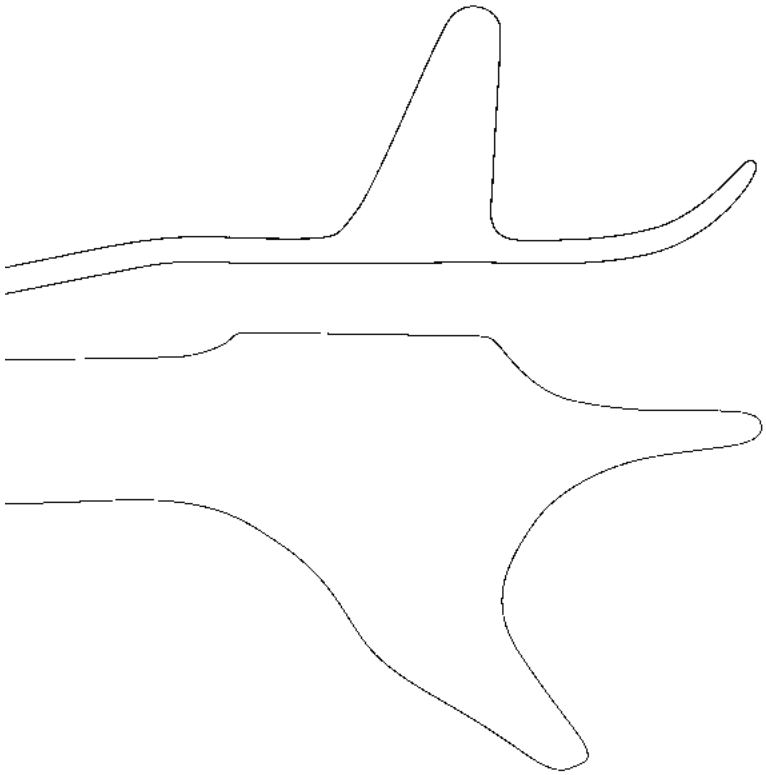
300mm, 11 7/8"	210-590-241



(210-590-001)

Infero - Posterior Acetabular Capsule Retractor

left	210-590-001
right	210-590-002





FUKUDA
Retractor, 180mm, 7″

small, 32mm blade	259-901-180
large, 38mm blade	259-902-180



FUKUDA KUJAT
Retractor, 225mm, $8^{7/8}$″

small, 30mm blade	259-900-225
large, 35mm blade	259-903-225



FUKUDA
Retractor, 170mm, $6^{2/3}$″

small, 32mm blade	259-904-032
large, 40mm blade	259-904-040



DARRACH
Shoulder Elevator, 260mm, 10 1/4"

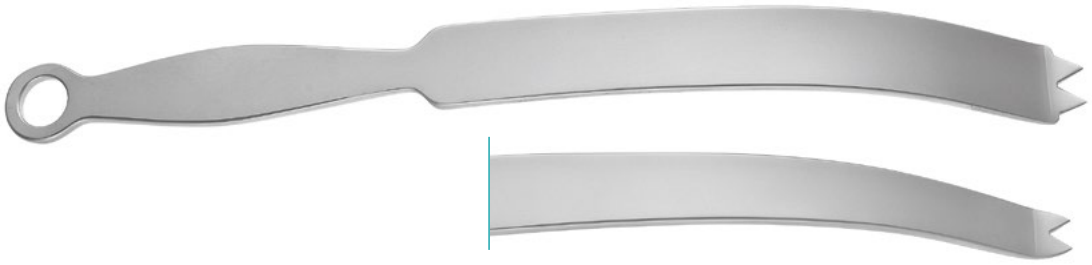
9mm wide tip	259-260-009
12mm wide tip	259-260-012
16mm wide tip	259-260-016
20mm wide tip	259-260-020
360mm, 14 1/8"	
25mm wide tip	259-260-025





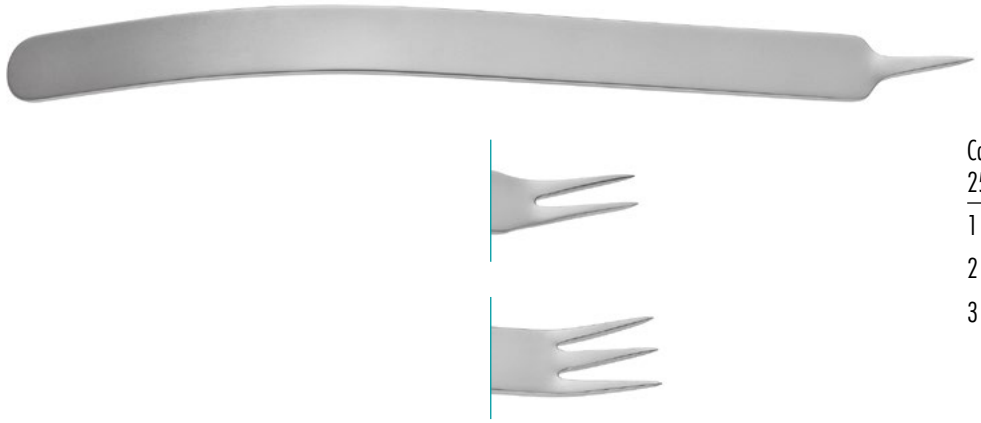
KÖLBEL
Shoulder Elevator, 2 sharp prongs

15mm wide tip	210-537-281
20mm wide tip	210-537-282
15mm wide tip, hook end	210-537-283
20mm wide tip, hook end	210-537-284
slightly curved, smooth end	
18mm wide tip	210-537-285



Thin Glenoud Neck Retractor
280mm, 11"

wide, 22mm	259-258-422
narrow, 14mm	259-258-414



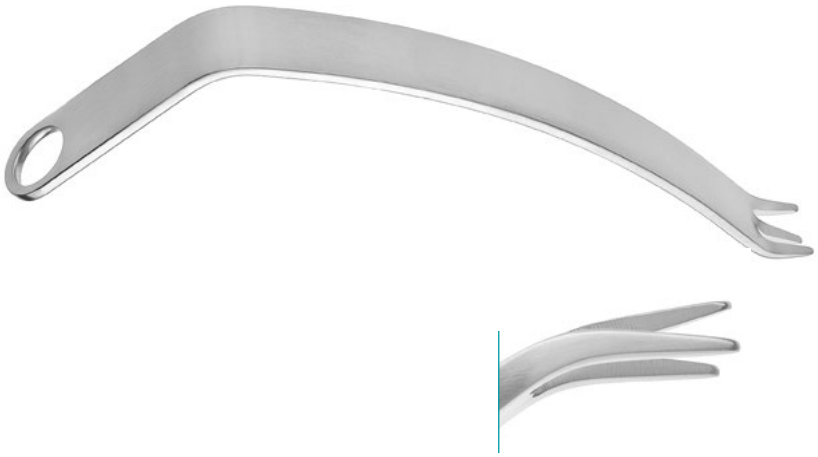
Capsule Retractor for use in Bankhart surgery
250mm, 9 7/8"

1 prong	259-258-251
2 prongs	259-258-252
3 prongs	259-258-253



BRISTOW BANKHART
Capsule Retractor, 20mm wide

250mm, 9 7/8"	259-254-020



BRISTOW BANKHART
Soft Tissue Retractor, 3 blunt prongs
21mm blade width

190mm, 7 1/2"	259-253-180



Anterior Glenoid Neck Retractor
25mm wide tip

280mm, 11″	259-258-100



Agrawal Talon Retractor, 40mm wide tip

200mm, 8″	259-258-150



Posterior Glenoid Neck Retractor,
30mm wide blade

250mm, 9 7/8″	259-258-200



GOLDSTEIN
Glenoid Neck Retractor, 18mm wide tip at teeth

215mm, 8 1/2"	259-258-400



BHATTMAN
Humeral Head Retractor,
36mm wide blade

255mm, 10"	259-258-600



SKID
Bone Elevator, double ended

280mm, 11"	259-258-700



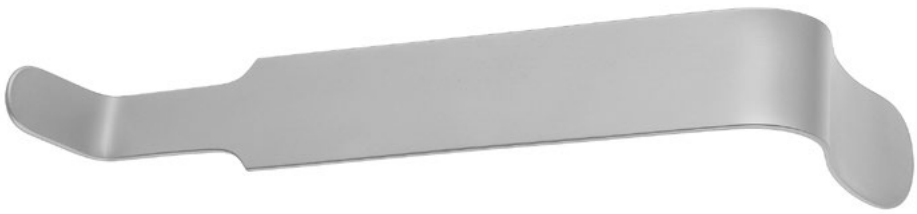
Humeral Head Retractor

180mm, 7″	259-258-500



Humeral Head Retractor

190mm, 7 1/2″	259-258-550



Deltoid Retractor, 30mm wide head

200mm, 8″	259-258-300



BROWNE
Deltoid Retractor, 60x65mm blade

270mm, $10^{2/3}$"	259-258-270



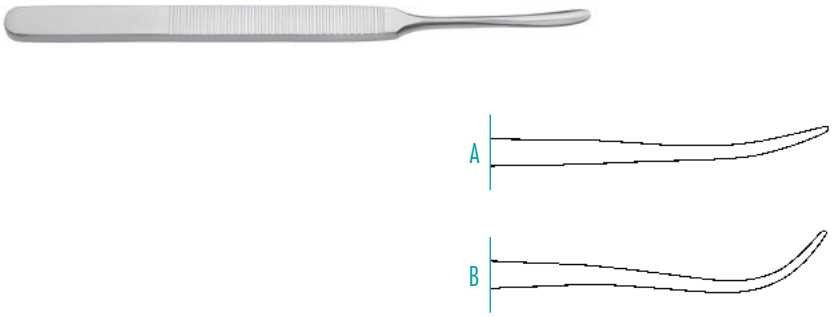
BRISTOW BANKART
Humerus Retractor,
2 blunt prongs, hollow handle

25 x 102mm	259-252-180



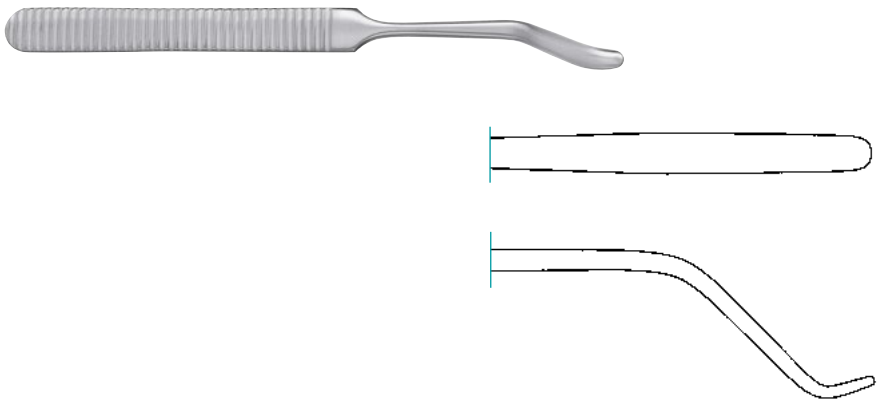
CHANDLER
Tissue Retractor, 230mm, 9"

16mm wide tip	259-258-316
19mm wide tip	259-258-319
25mm wide tip	259-258-325



KOENIG
Elevator, 4.5mm wide, 155mm, $6^{1/8}$″

A Slightly curved	210-551-150
B Strongly curved	210-552-150



Phalangeal Elevator, 5.5mm wide, bayonet strongly curved

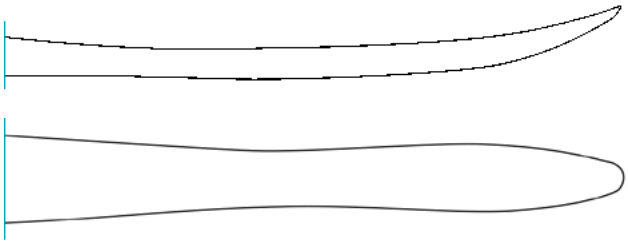
165mm, $6^{1/2}$″	210-523-175



WILLIGER
Elevator, 160mm, $6^{1/4}$″

5.5mm	210-395-160
7.0mm	210-396-170

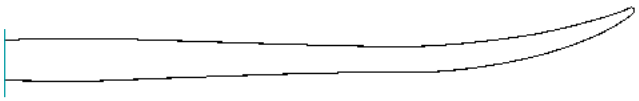




CAIRNS
Skull Flap Elevator

175mm, 6 7/8"	250-066-141

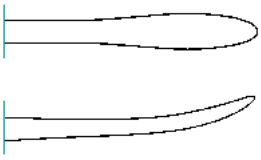




QUERVAIN
Elevator, 6mm

200mm, 8"	210-386-200





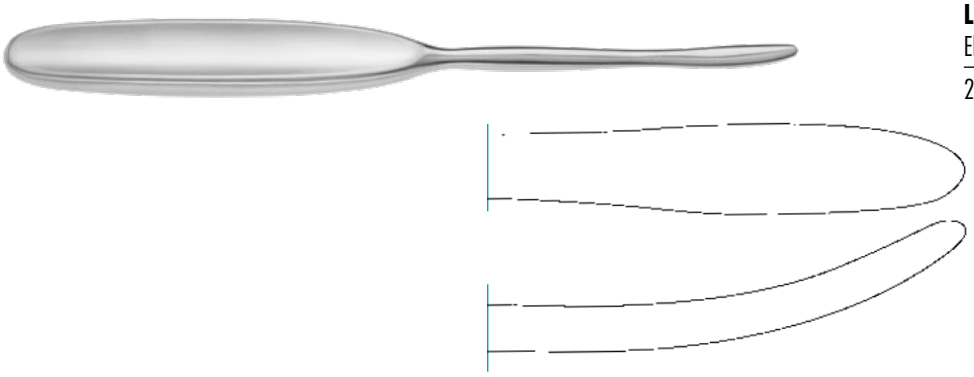
SEBILEAU
Elevator, 5mm

175mm, 6 7/8"	210-395-175



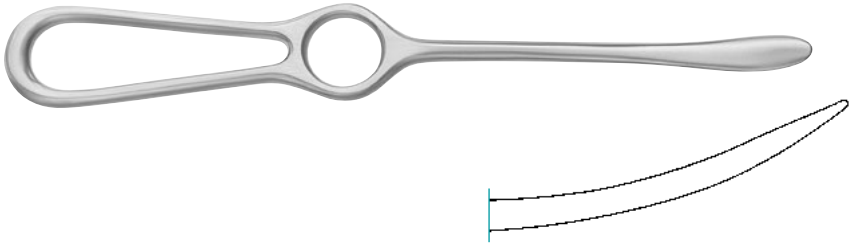
LANGENBECK
Elevator, 200mm, 8"

7mm	210-395-200
10mm	210-397-200



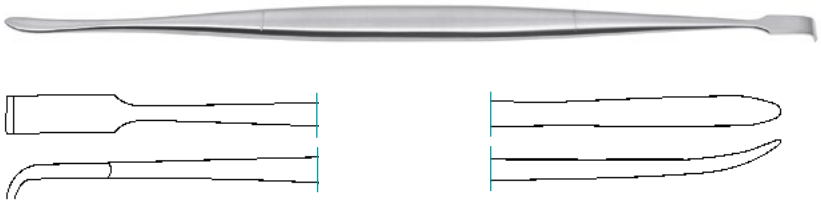
LANGENBECK
Elevator, 6.5mm

210mm, 8 1/4"	210-396-210



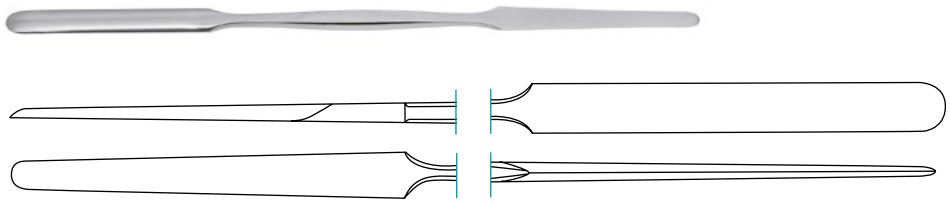
LANGENBECK
Elevator, 11mm

230mm, 9"	210-398-230



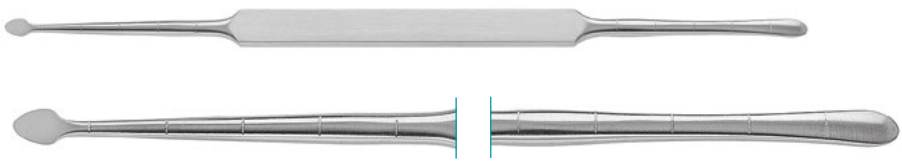
HOWARTH
Elevator, double-ended, sharp/blunt

215mm, 8 1/2″	420-552-215



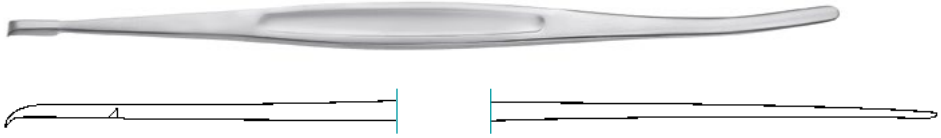
KILLIAN
Elevator, double-ended, sharp/blunt

185mm, 7 1/4″	420-541-180

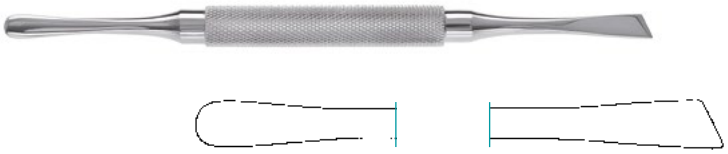


COTTLE
Elevator, double-ended, graduated, sharp/sharp

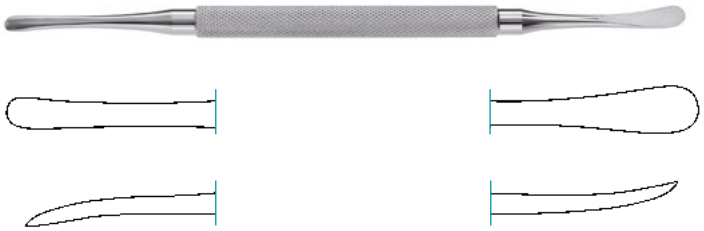
200mm, 8″	420-550-230



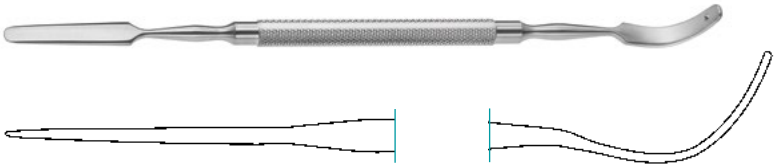
HILL
Elevator, double-ended, blunt/sharp
220mm, $8^{2/3}$″ 420-554-220



MEAD
Elevator, double-ended, oblique/rounded
165mm, $6^{1/2}$″ 500-446-165



MOLT
Elevator, double-ended, sharp/sharp
165mm, $6^{1/2}$″ 500-440-180



MCDONALD
Elevator, double-ended, straight / curved
190mm, $7^{1/2}$″ 210-527-190



PENNYBAKER
Elevator, sharp, 6mm

150mm, 6"	210-488-170



JANSEN
Periosteal Elevator, curved

165mm, 6 1/2"	210-303-165



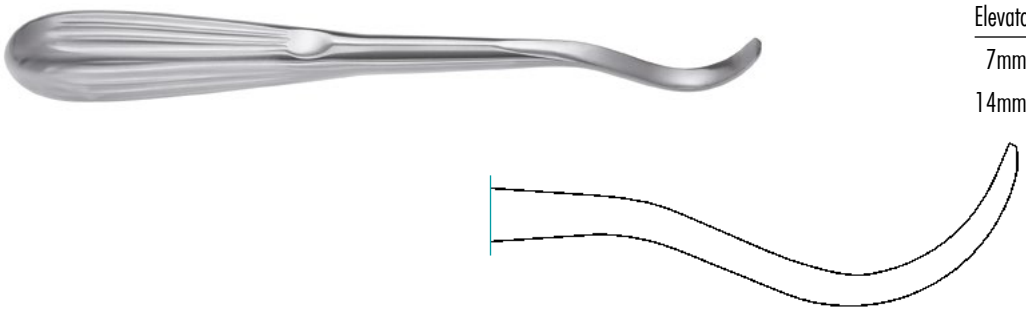
LANGENBECK
Periosteal Elevator, 14mm, hollow handle

180mm, 7"	210-301-180



KEY

Elevator, 180mm, 7″	
3mm	210-489-003
6mm	210-489-006
190mm, 7 1/2″	
10mm	210-489-010
12mm	210-489-012
13mm	210-489-013
16mm	210-489-016
200mm, 8″	
19mm	210-489-019
210mm, 8 1/4″	
25mm	210-489-025



CREGO

Elevator, 200mm, 8″	
7mm	170-492-001
14mm	170-492-004



COBB

Elevator, 240mm, 9 1/2″	
9mm	210-401-095
13mm	210-401-127
19mm	210-401-019
25mm	210-401-025
32mm	210-401-032



COBB
Spinal Elevator, 240mm, 9 1/2"

9mm	210-400-001
13mm	210-400-002
19mm	210-400-003
25mm	210-400-004
32mm	210-400-005

290mm, 11 1/2"

9mm	210-402-009
13mm	210-402-013
19mm	210-402-019
25mm	210-402-025
32mm	210-402-032



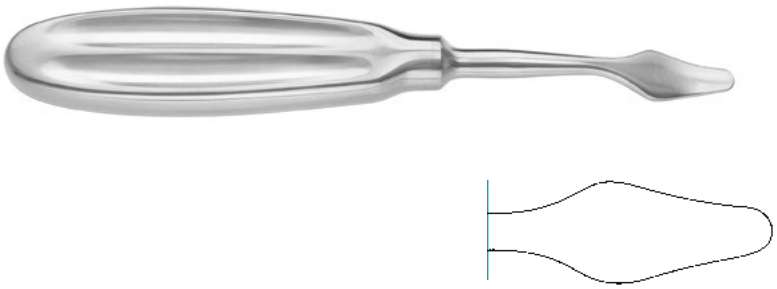
COBB
Elevator, semi-sharp, slightly curved, synthetic handle, 250mm, 9 7/8"

10mm	210-420-010
13mm	210-420-013
19mm	210-420-019
25mm	210-420-025



COBB
Elevator, synthetic handle, 340mm, 13 1/2"

10mm	210-405-010
15mm	210-405-015
20mm	210-405-020
25mm	210-405-025
30mm	210-405-030
35mm	210-405-035



CHANDLER
Elevator, 180mm, 7″

13mm	210-490-013

200mm, 8″

19mm	210-490-019
25mm	210-490-025

250mm, $9^{7/8}$″

31mm	210-491-030



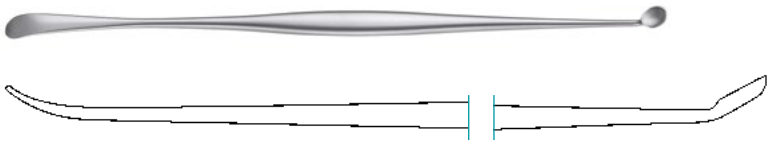
LANE
Periosteal Elevator, 190mm, $7^{1/2}$″

7mm	210-483-190
10mm	210-484-190



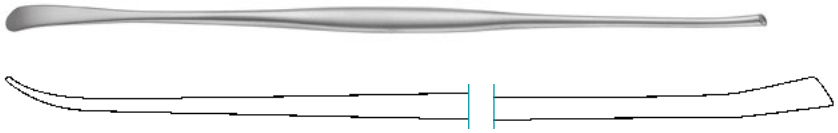
SAYRE
Periosteal Elevator, double-ended, 9.5mm, 170mm, $6^{2/3}$″

sharp	210-397-170
blunt	210-340-170



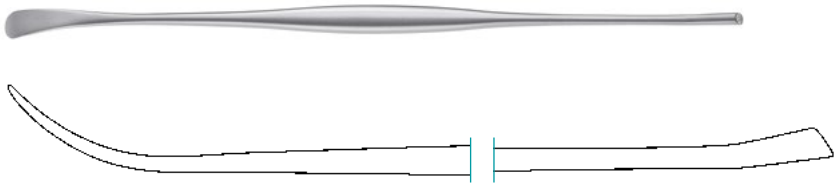
PENFIELD
Dissector, Fig. 1

175mm, $6^{7/8}$″	250-691-175



PENFIELD
Dissector, Fig. 2

195mm, $7^{3/4}$″	250-692-195



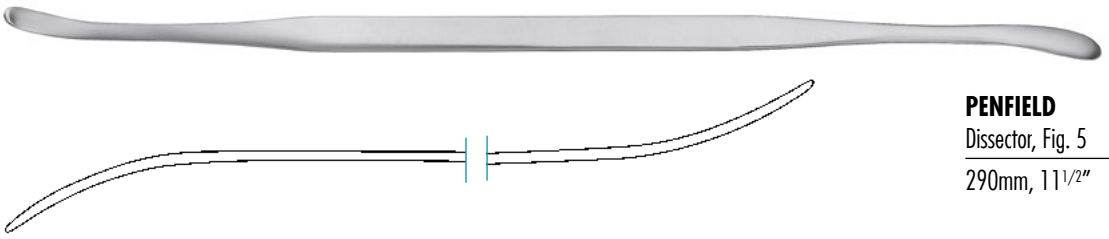
PENFIELD
Dissector, Fig. 3

195mm, $7^{3/4}$″	250-693-195



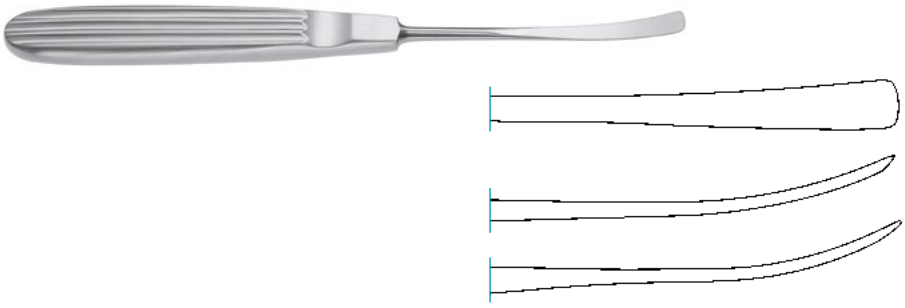
PENFIELD
Dissector, Fig. 4

205mm, 8 1/8"	250-694-215



PENFIELD
Dissector, Fig. 5

290mm, 11 1/2"	250-695-290



CASPAR
Dissector, 6.2mm, 180mm, 7"

sharp	259-185-328
blunt	259-185-329



MCKENTY
Raspatory, 150mm, 6″

4mm	420-547-004
5mm	420-547-005



KOENIG
Raspatory, 5mm

150mm, 6″	210-553-150



FREER
Raspatory, 4mm, 190mm, 7 1/2″

blunt	420-547-190
sharp	420-548-190



SEWALL
Raspatory, 6mm, blunt

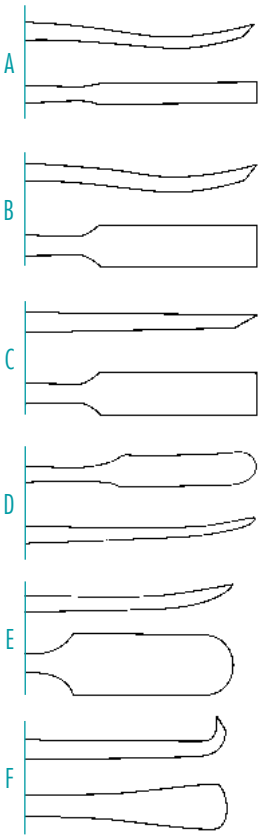
200mm, 8″	420-549-200



KILLIAN
Raspatory, 6mm, sharp/blunt

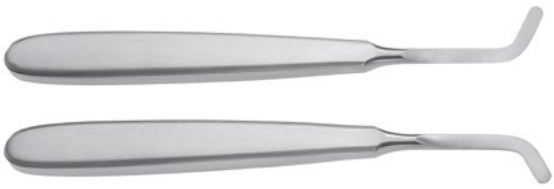
180mm, 7″	420-540-180



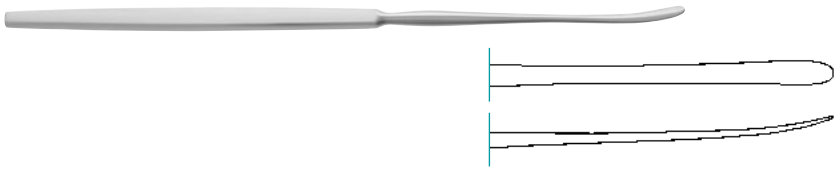


MANNERFELT
Raspatory, 155mm, $6^{1/8}$″

A 3mm	420-557-001
B 6mm	420-557-002
C 6mm	420-557-003
D 6mm	420-556-004
E 8mm	420-556-005
F 6mm	420-557-008



Raspatory, 4mm, 140mm, 5 1/2"	
Curved left	210-552-140
Curved right	210-551-140



HALLE

Raspatory, 4mm, blunt	
180mm, 7"	420-544-165



WILLIGER

Raspatory, 4mm	
130mm, 5 1/8"	210-434-130
160mm, 6 1/4"	
5mm	210-436-160
7mm	210-438-160



JOSEPH
Raspatory, 4mm

160mm, 6 1/4"	210-396-160



LEMPERT
Raspatory, 4mm

185mm, 7 1/4"	210-397-185



COTTLE
Raspatory, 8mm, sharp

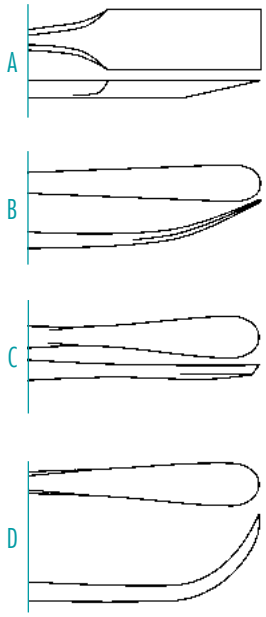
190mm, 7 1/2"	210-438-195



LANDOLT
Raspatory, 4.5mm

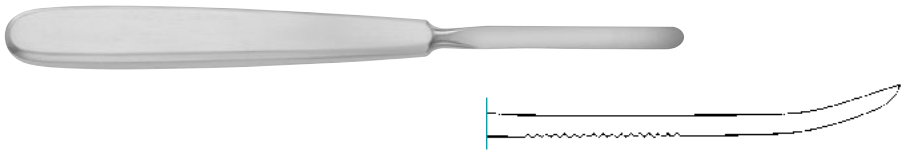
175mm, $6^{7/8}$"	210-439-175





ADSON
Raspatory, 170mm, $6^{2/3}$"

A 8mm, sharp	210-484-170
B 8mm, blunt	210-485-170
C 7mm, semi-sharp	210-486-170
D 7mm, semi-sharp	210-487-170



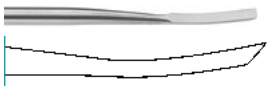
Raspatory, 170mm, $6^{2/3}$"

6mm	210-439-006
8mm	210-439-008



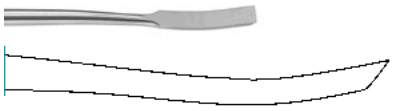
Raspatory, synthetic handle,
6mm

190mm, 7 1/2"	210-434-180



3mm

185mm, 7 1/4"	210-432-185



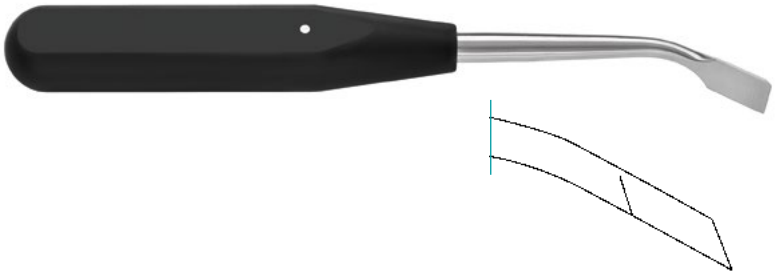
6mm

185mm, 7 1/4"	210-433-180



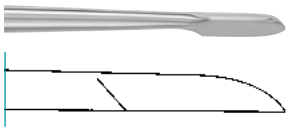
6mm

185mm, 7 1/4"	210-432-180



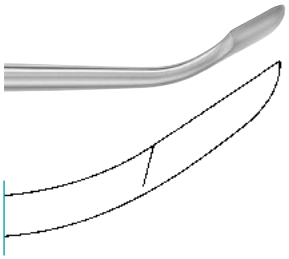
Raspatory, synthetic handle,
13mm

185mm, 7 1/4"	210-433-185



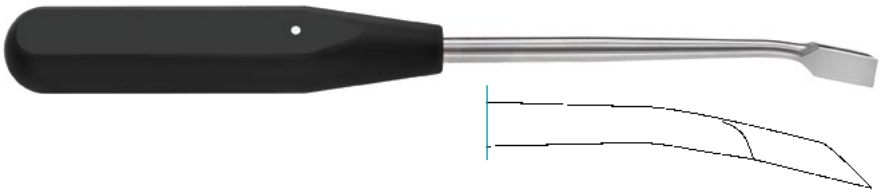
14mm

200mm, 8"	210-430-200



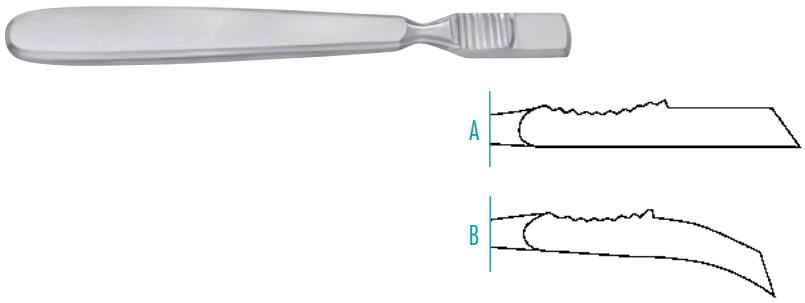
14mm

200mm, 8"	210-431-000



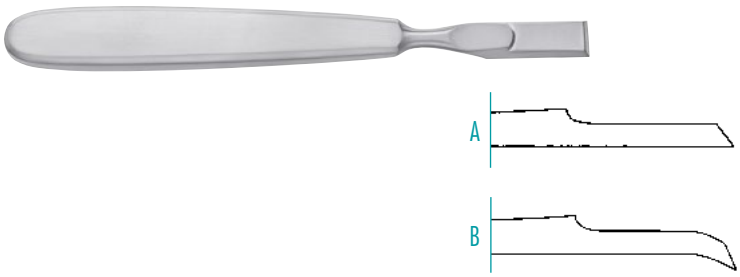
Raspatory, 13mm, synthetic handle

230mm, 9"	210-433-230



FARABEUF
Raspatory, 12.5mm, 150mm, 6″

A straight	210-310-150
B curved	210-311-150



FARABEUF COLLIN
Raspatory, 11mm, 155mm, 6 1/8″

A straight	210-312-155
B curved	210-313-155

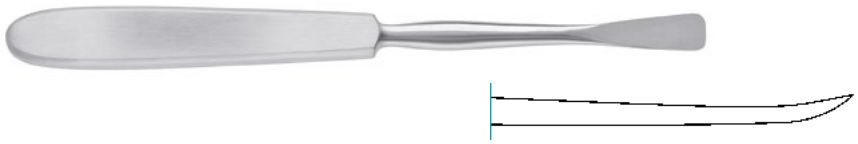


SEDILLOT
Raspatory, 18mm, hollow handle

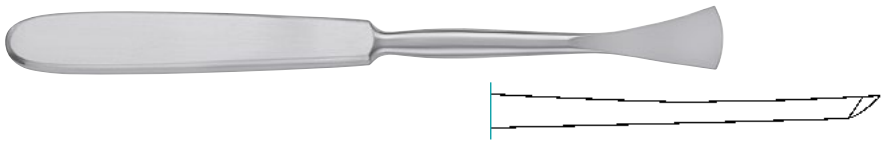
190mm, 7 1/2″	210-316-190



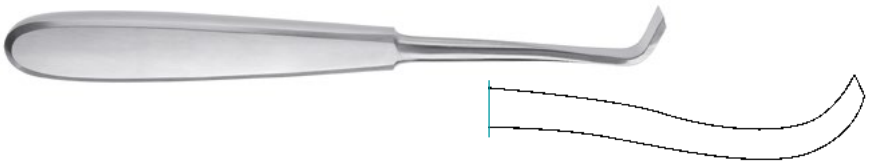
KRAEMER
Raspatory, 10mm, round blade
185mm, 7 1/4" 210-313-185



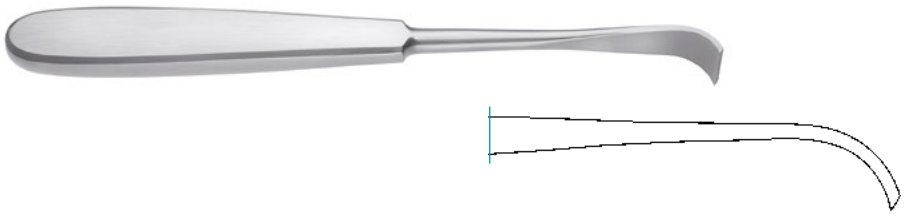
KRAEMER
Raspatory, 10mm, straight blade
185mm, 7 1/4" 210-313-185



LANGENBECK
Raspatory, 16mm, hollow handle
190mm, 7 1/2" 210-303-190



SCHNEIDER
Raspatory, 13mm
175mm, $6^{7/8}$" 210-315-175



SCHNEIDER SAUERBRUCH
Raspatory, 13mm
190mm, $7^{1/2}$" 210-315-190



SEDILLOT
Raspatory, 15mm
210mm, $8^{1/4}$" 210-315-210



LAMBOTTE

Raspatory, 210mm, 8 1/4"

5mm	210-461-005
10mm	210-461-210
15mm	210-462-210
20mm	210-463-210
25mm	210-464-210



ALEXANDER

Periosteotome, 12mm

210mm, 8 1/4"	210-440-200



MCGLAMRY

Raspatory, 210mm, 8 1/4"

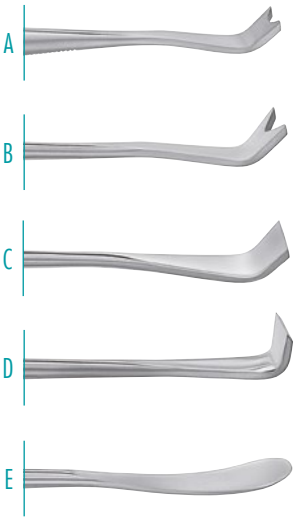
9mm	170-160-010
11mm	170-160-012
15mm	170-160-015
17mm	170-160-017



Trapeziectomy screw with handle

190mm, 7 1/2"	225-810-500





SEMB

Raspatory, hollow handle, 190mm, 7 1/2″

A 12mm	210-450-001

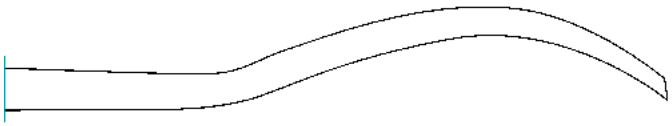
230mm, 9″

B 12mm	210-450-002
C 13mm	210-450-003
D 13mm	210-450-004
E 15mm	210-450-005



Hip Raspatory, synthetic handle, 20mm

275mm, 10 7/8″	210-420-275



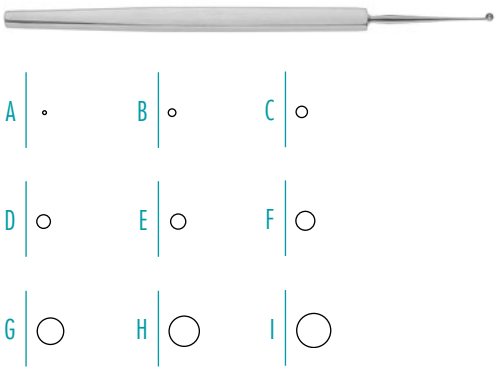


WAGNER

Raspatory, synthetic handle, 330mm, 13″

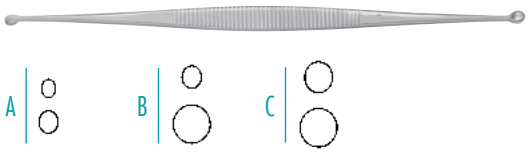
8mm	210-428-330
17mm	210-417-330





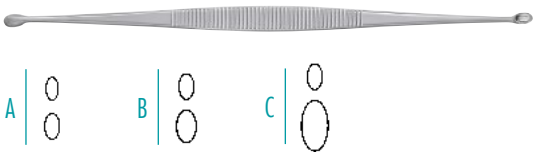
MEYERHOFER
Chalazion Curette, 130mm, $5^{1/8}$"

A Size 000, ∅ 0.5mm	400-402-005
B Size 00, ∅ 1.0mm	400-402-010
C Size 0, ∅ 1.5mm	400-402-015
D Size 1, ∅ 1.8mm	400-402-018
E Size 2, ∅ 2.0mm	400-402-020
F Size 3, ∅ 2.5mm	400-402-025
G Size 4, ∅ 3.5mm	400-402-035
H Size 5, ∅ 4.0mm	400-402-040
I Size 6, ∅ 4.5mm	400-402-045



MARTINI
Double Curette, round/round, 140mm, $5^{1/2}$"

A #00/0 (∅ 3.0 / 3.2mm)	210-218-140
B #0/1 (∅ 3.2 / 4.0mm)	210-219-140
C #1/2 (∅ 4.0 / 4.8mm)	210-218-012



WILLIGER
Double Curette, oval/oval, 140mm, $5^{1/2}$"

A #00/0 (∅ 2.5 / 3.0mm)	210-216-000
B #0/1 (∅ 3.0 / 3.5mm)	210-216-001
C #1/2 (∅ 3.5 / 4.2mm)	210-216-002



JACOBSON
Double Curette

140mm, 5 1/2"	210-213-140



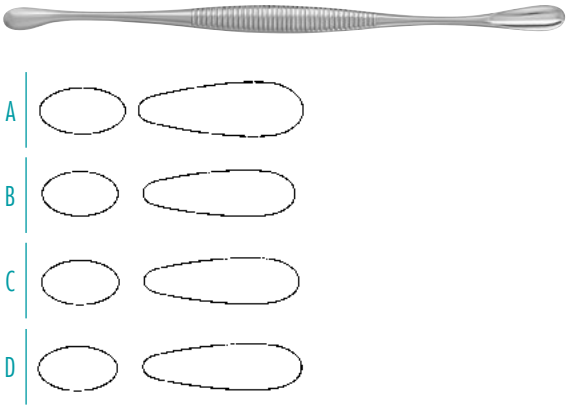
JANSEN
Double Curette, 4.0/3.0mm

160mm, 6 1/4"	210-218-160



JANSEN
Double Curette, 4.0/3.0mm

210mm, 8 1/4"	210-214-210



VOLKMANN
Double Curette, 130mm, $5^{1/8}$″

A 6.5 / 7.7mm	210-210-130

140mm, $5^{1/2}$″

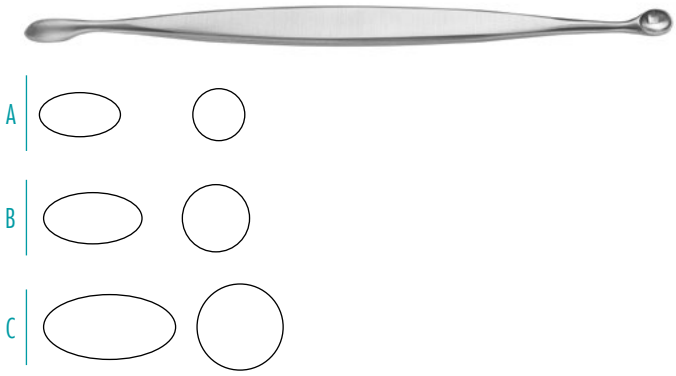
B 6.2 / 6.8mm	210-210-140

170mm, $6^{2/3}$″

C 6.8 / 6.8mm	210-210-170

200mm, 8″

D 6.2 / 7.5mm	210-210-200



VOLKMANN
Double Curette, 130mm, $5^{1/8}$″

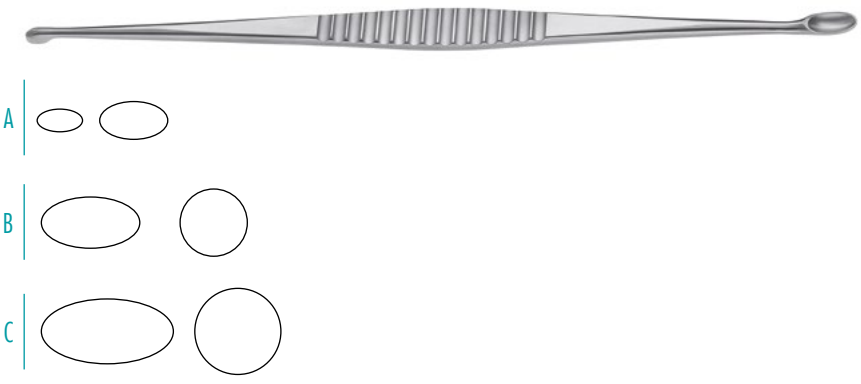
A 6.8 / 6.3mm	210-211-130

160mm, $6^{1/4}$″

B 9.0 / 7.0mm	210-211-160

200mm, 8″

C 11.0 / 9.0mm	210-211-200



VOLKMANN
Double Curette, 220mm, $8^{2/3}$″

A #1 3.0/5.0mm	410-746-001
B #2 4.0/6.0mm	410-746-002
C #3 5.0/7.0mm	410-746-003



A

WILLIGER
Double Curette, 160mm, 6 1/4"

A #00/00	210-216-020



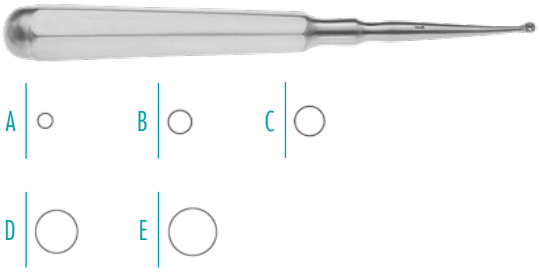
JANSEN
Double Curette, 3.0/4.0mm

150mm, 6"	210-216-150



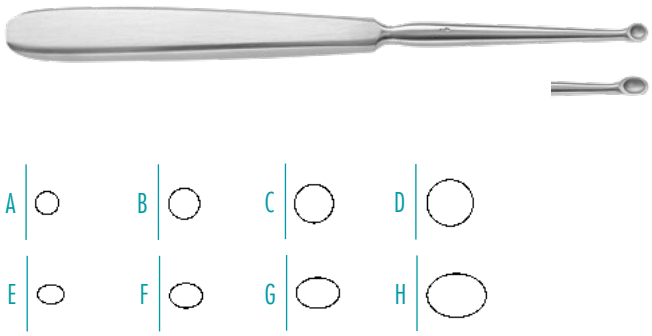
HEMINGWAY
Double Curette, #4

180mm, 7"	210-215-004



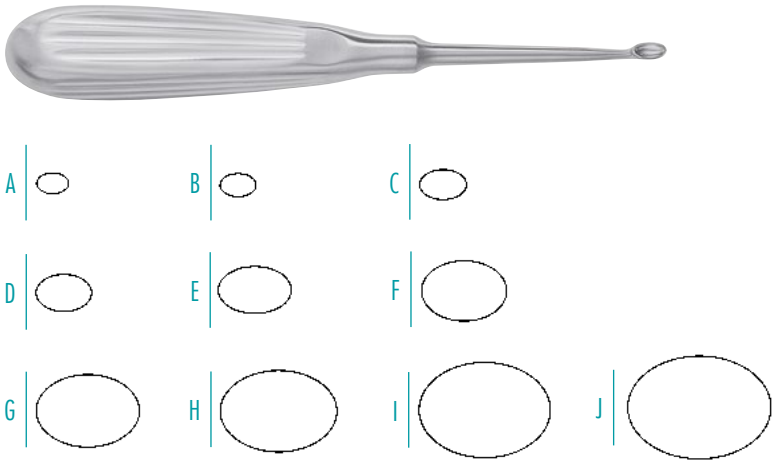
BUCK
Bone Curette, 145mm, $5^{3/4}$″

A Fig. 1	210-201-145
B Fig. 2	210-202-145
C Fig. 3	210-203-145
D Fig. 4	210-204-145
E Fig. 5	210-205-145



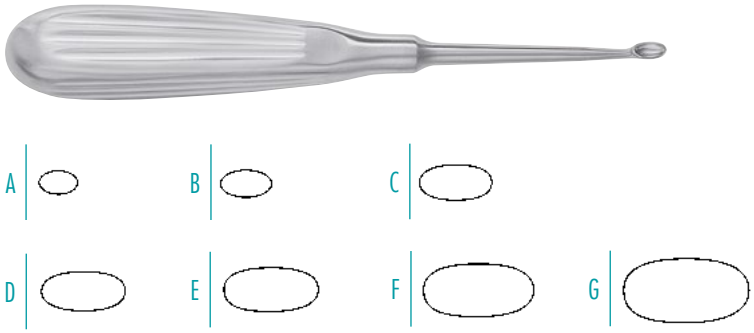
BUCK
Bone Curette, round, 170mm, $6^{2/3}$″

A Fig. 00, 3.0mm	210-213-175
B Fig. 0, 4.0mm	210-214-175
C Fig. 1, 5.0mm	210-215-175
D Fig. 2, 6.0mm	210-216-175
oval	
E Fig. 00, 2.5mm	210-294-010
F Fig. 0, 3.2mm	210-294-020
G Fig. 1, 4.0mm	210-294-040
H Fig. 2, 5.7mm	210-294-050



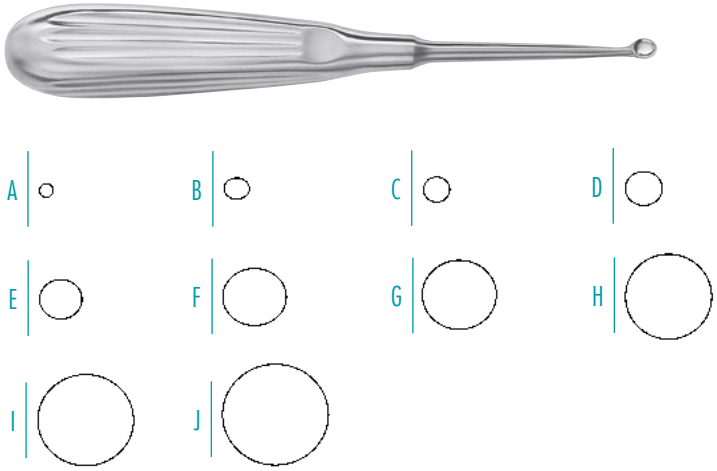
VOLKMANN
Bone Curette, 170mm, 6 2/3"

A #0000	210-304-400
B #000	210-304-300
C #00	210-304-200
D #0	210-304-100
E #1	210-304-010
F #2	210-304-020
G #3	210-304-030
H #4	210-304-040
I #5	210-304-050
J #6	210-304-060



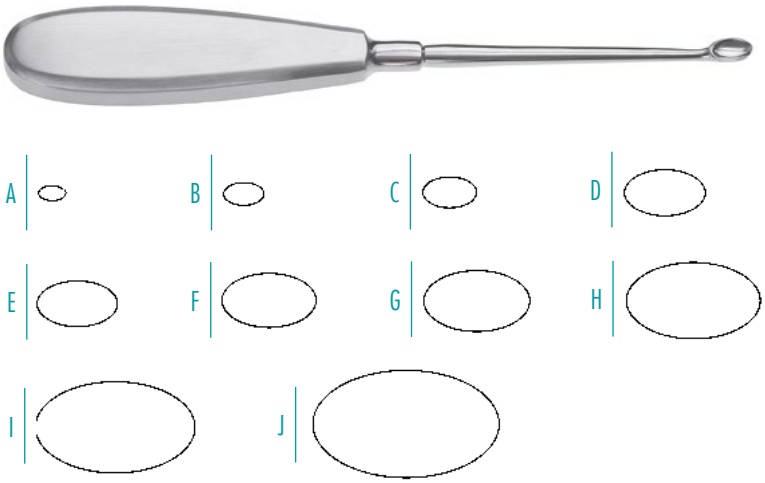
SCHEDE
Bone Curette, 170mm, 6 2/3"

A #000	210-300-300
B #00	210-300-200
C #0	210-300-100
D #1	210-300-010
E #2	210-300-020
F #3	210-300-030
G #4	210-300-040



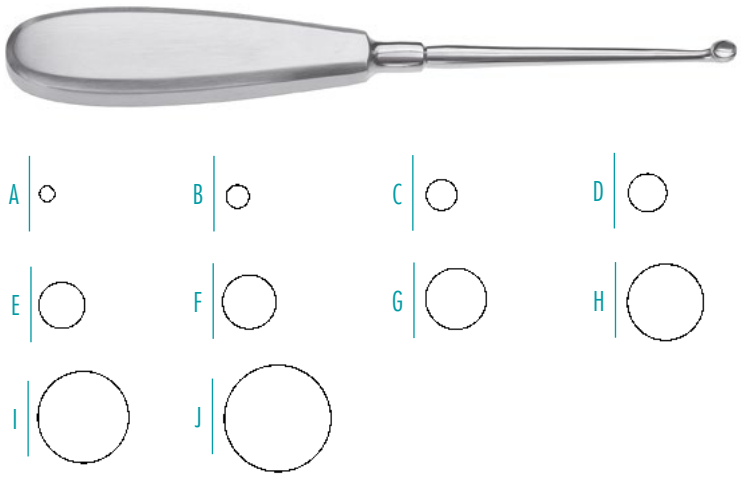
BRUNS
Bone Curette, round, 170mm, 6 2/3"

A #0000	210-306-400
B #000	210-306-300
C #00	210-306-200
D #0	210-306-100
E #1	210-306-010
F #2	210-306-020
G #3	210-306-030
H #4	210-306-040
I #5	210-306-050
J #6	210-306-060



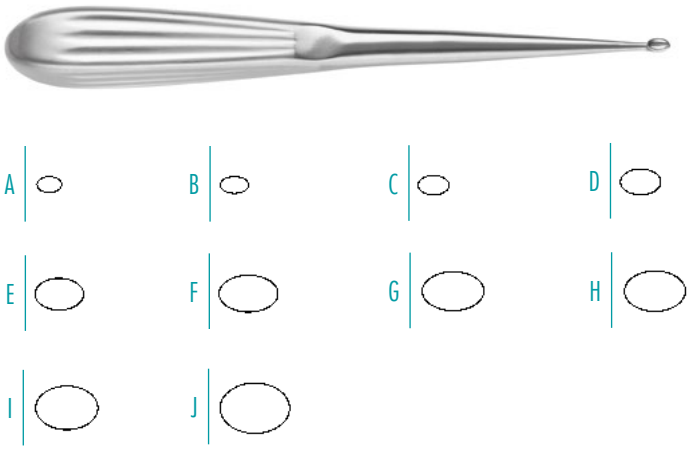
STILLE
Bone Curette, oval, 170mm, $6^{2/3}$"

A ∅ 2mm	210-249-002
B ∅ 3mm	210-249-003
C ∅ 4mm	210-249-004
195mm, $7^{3/4}$"	
D ∅ 5mm	210-249-005
E ∅ 6mm	210-249-006
F ∅ 7mm	210-249-007
200mm, 8"	
G ∅ 8mm	210-249-008
205mm, $8^{1/8}$"	
H ∅ 10mm	210-249-010
I ∅ 12mm	210-249-012
J ∅ 14mm	210-249-014



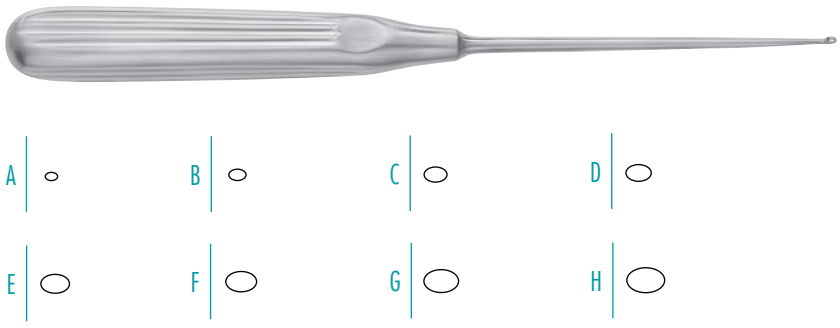
STILLE
Bone Curette, round, 170mm, $6^{2/3}$"

A ∅ 2mm	210-248-002
B ∅ 3mm	210-248-003
C ∅ 4mm	210-248-004
195mm, $7^{3/4}$"	
D ∅ 5mm	210-248-005
E ∅ 6mm	210-248-006
F ∅ 7mm	210-248-007
200mm, 8"	
G ∅ 8mm	210-248-008
205mm, $8^{1/8}$"	
H ∅ 10mm	210-248-010
I ∅ 12mm	210-248-012
J ∅ 14mm	210-248-014



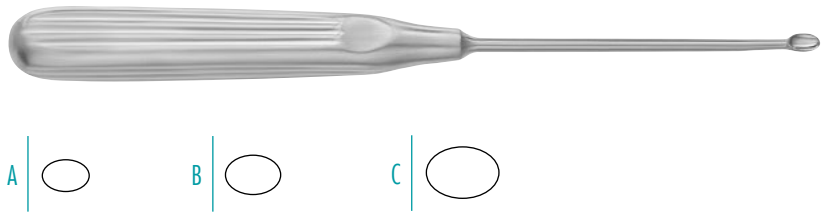
SPRATT
Bone Curette, oval, 170mm, 6 2/3"

A #0000, 2.5mm	210-308-008
B #000, 3.0mm	210-308-000
C #00, 4.0mm	210-308-001
D #0, 4.5mm	210-308-002
E #1, 5.0mm	210-308-003
F #2, 6.0mm	210-308-004
G #3, 7.0mm	210-308-005
H #4, 8.0mm	210-308-006
I #5, 9.6mm	210-308-007
J #6 11.5mm	210-308-009



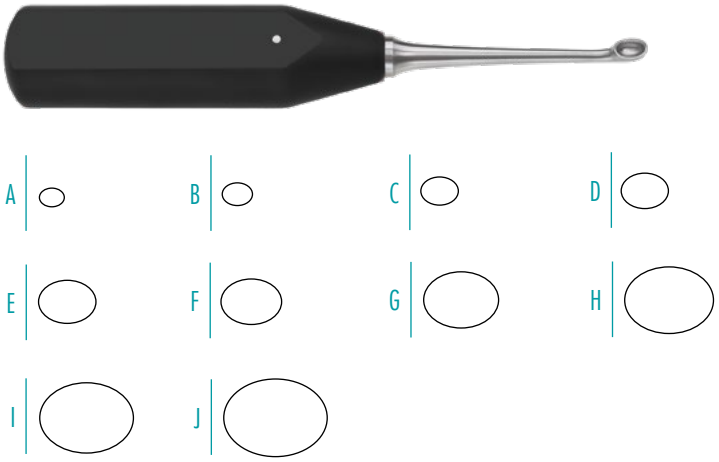
LEMPERT
Bone Curette, 200mm, 8"

A #000000, 1mm	210-348-600
B #00000, 1.5mm	210-348-500
C #0000, 2.0mm	210-348-400
D #000, 2.2mm	210-348-300
E #00, 2.5mm	210-348-200
F #0, 2.7mm	210-348-100
G #1, 3.0mm	210-348-010
H #2, 3.3mm	210-348-002



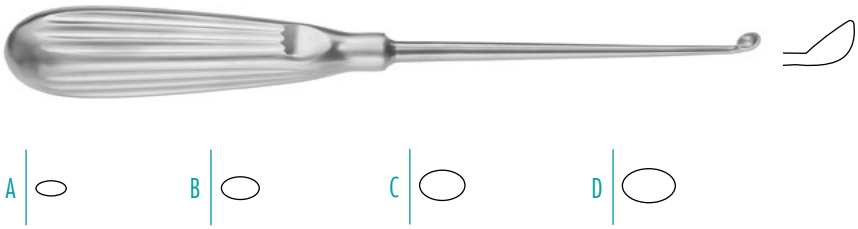
HALLE
Bone Curette, malleable, 210mm, $8^{1/4}$"

A #1, 4.8mm	210-350-200
B #2, 5.8mm	210-350-100
C #3, 6.8mm	210-350-010



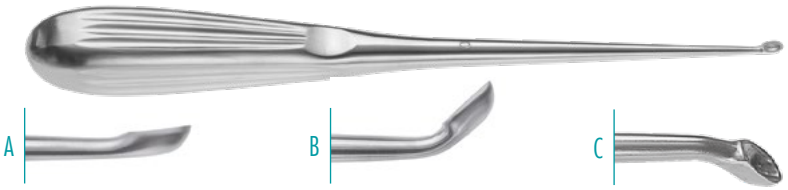
BRUNS
Bone Curette, synthetic handle, 170mm, $6^{2/3}$"

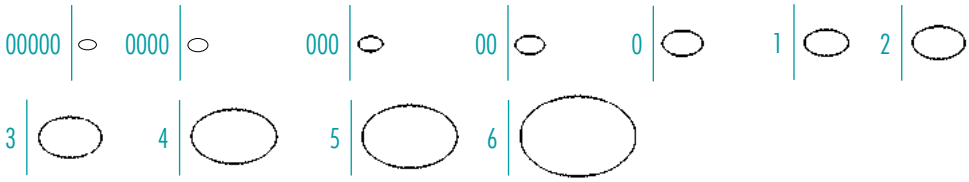
A #0000, 2.5mm	210-302-100
B #000, 3.0mm	210-302-101
C #00, 3.7mm	210-302-102
D #0, 4.7mm	210-302-103
E #1, 5.7mm	210-302-104
F #2, 6.0mm	210-302-105
G #3, 7.4mm	210-302-106
H #4, 8.8mm	210-302-107
I #5, 9.2mm	210-302-108
J #6, 10.3mm	210-302-109



DAUBENSPECK
Bone Curette, 200mm, 8"

A Fig. 00, 2.8mm	210-217-200
B Fig.0, 3.6mm	210-217-100
C Fig. 1, 4.4mm	210-217-010
D Fig. 2, 5.2mm	210-217-020





SPINAL

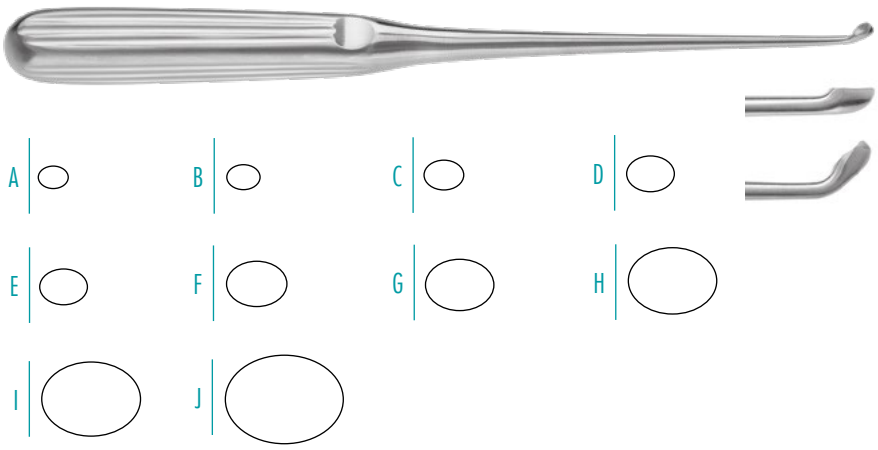
Bone Curette

A straight

B forward angled

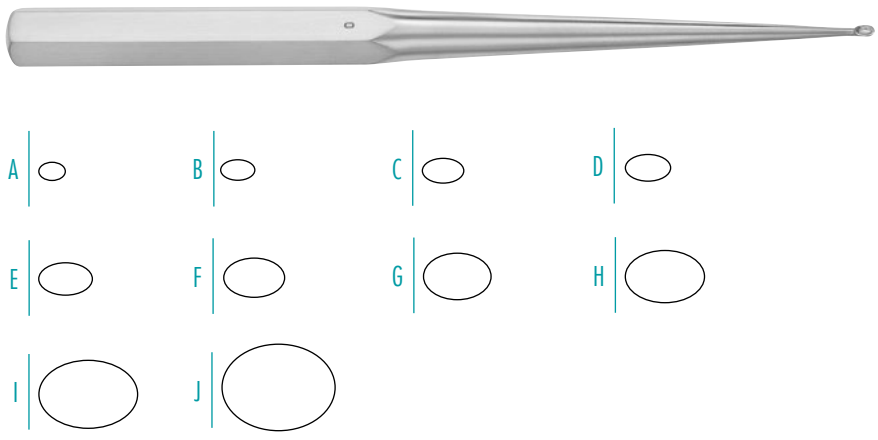
C reverse angled

tip shape	size	200mm, 8"	230mm, 9"	300mm, 11 7/8"
straight	00000	210-299-500	210-326-500	210-330-500
straight	0000	210-299-400	210-326-400	210-330-400
straight	000	210-299-300	210-326-300	210-330-300
straight	00	210-299-200	210-326-200	210-330-200
straight	0	210-299-100	210-326-100	210-330-100
straight	1	210-299-001	210-326-001	210-330-001
straight	2	210-299-002	210-326-002	210-330-002
straight	3	210-299-003	210-326-003	210-330-003
straight	4	210-299-004	210-326-004	210-330-004
straight	5	210-299-005	210-326-005	210-330-005
straight	6	210-299-006	210-326-006	210-330-006
forward angled	00000	210-301-500	210-328-500	210-331-500
forward angled	0000	210-301-400	210-328-400	210-331-400
forward angled	000	210-301-300	210-328-300	210-331-300
forward angled	00	210-301-200	210-328-200	210-331-200
forward angled	0	210-301-100	210-328-100	210-331-100
forward angled	1	210-301-001	210-328-001	210-331-001
forward angled	2	210-301-002	210-328-002	210-331-002
forward angled	3	210-301-003	210-328-003	210-331-003
forward angled	4	210-301-004	210-328-004	210-331-004
forward angled	5	210-301-005	210-328-005	210-331-005
forward angled	6	210-301-006	210-328-006	210-331-006
reverse angled	00000	210-327-500	210-329-500	210-333-500
reverse angled	0000	210-327-400	210-329-400	210-333-400
reverse angled	000	210-327-300	210-329-300	210-333-300
reverse angled	00	210-327-200	210-329-200	210-333-200
reverse angled	0	210-327-100	210-329-100	210-333-100
reverse angled	1	210-327-001	210-329-001	210-333-001
reverse angled	2	210-327-002	210-329-002	210-333-002
reverse angled	3	210-327-003	210-329-003	210-333-003
reverse angled	4	210-327-004	210-329-004	210-333-004
reverse angled	5	210-327-005	210-329-005	210-333-005
reverse angled	6	210-327-006	210-329-006	210-333-006



VOLKMANN BRUNS
Bone Curette, 230mm, 9"

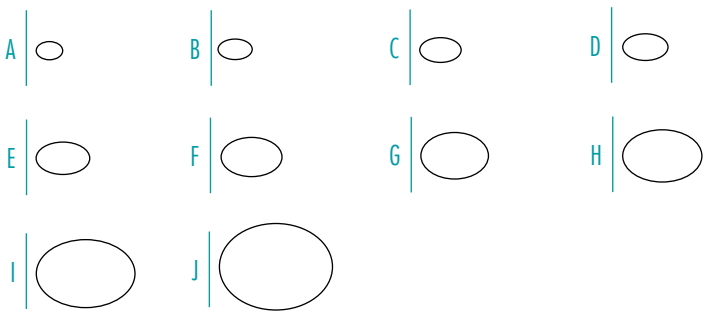
straight jaw	
A #0000	210-314-400
B #000	210-314-300
C #00	210-314-200
D #0	210-314-100
E #1	210-314-001
F #2	210-314-002
G #3	210-314-003
H #4	210-314-004
I #5	210-314-005
J #6	210-314-006
angled	
A #0000	210-315-400
B #000	210-315-300
C #00	210-315-200
D #0	210-315-100
E #1	210-315-001
F #2	210-315-002
G #3	210-315-003
H #4	210-315-004
I #5	210-315-005
J #6	210-315-006



BRUNS
Bone Curette, 230mm, 9"

A #0000	210-296-400
B #000	210-296-300
C #00	210-296-200
D #0	210-296-100
E #1	210-296-001
F #2	210-296-002
G #3	210-296-003
H #4	210-296-004
I #5	210-296-005
J #6	210-296-006

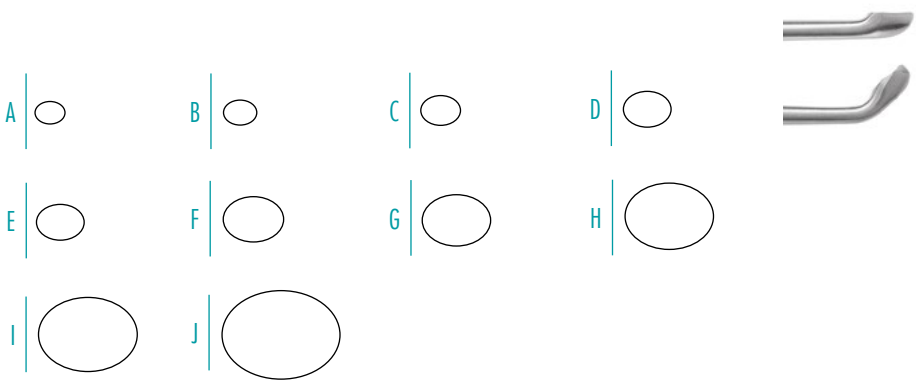




BRUNS
Bone Curette, synthetic handle,
270mm, 10 2/3"

A #0000	210-302-000
B #000	210-302-001
C #00	210-302-002
D #0	210-302-003
E #1	210-302-004
F #2	210-302-005
G #3	210-302-006
H #4	210-302-007
I #5	210-302-008
J #6	210-302-009



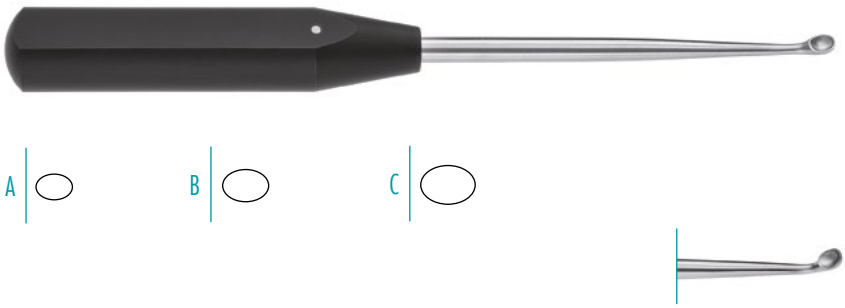


VOLKMANN SCOVILLE
Bone Curette, 250mm, 9 7/8"
straight jaw

A #0000	210-215-250
B #000	210-214-250
C #00	210-213-250
D #0	210-212-250
E #1	210-211-250
F #2	210-202-250
G #3	210-203-250
H #4	210-204-250
I #5	210-205-250
J #6	210-206-250

angled jaw

A #0000	210-315-250
B #000	210-314-250
C #00	210-313-250
D #0	210-312-250
E #1	210-311-250
F #2	210-302-250
G #3	210-303-250
H #4	210-304-250
I #5	210-305-250
J #6	210-306-250

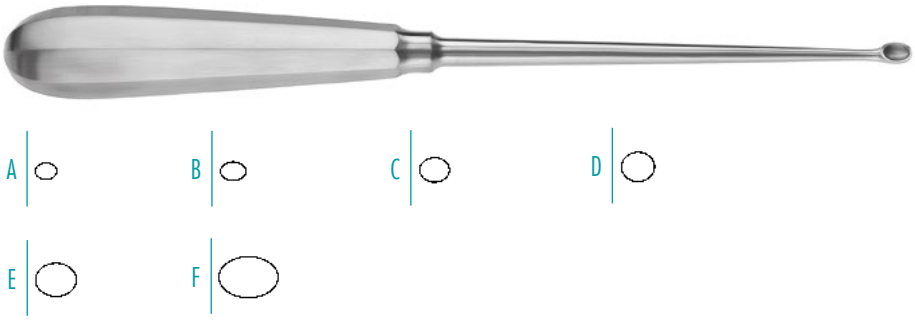


CASPAR
Bone Curette, synthetic handle, 220mm, $8^{2/3}$″
straight

A #000	259-185-912
B #00	259-185-913
C #0	259-185-912

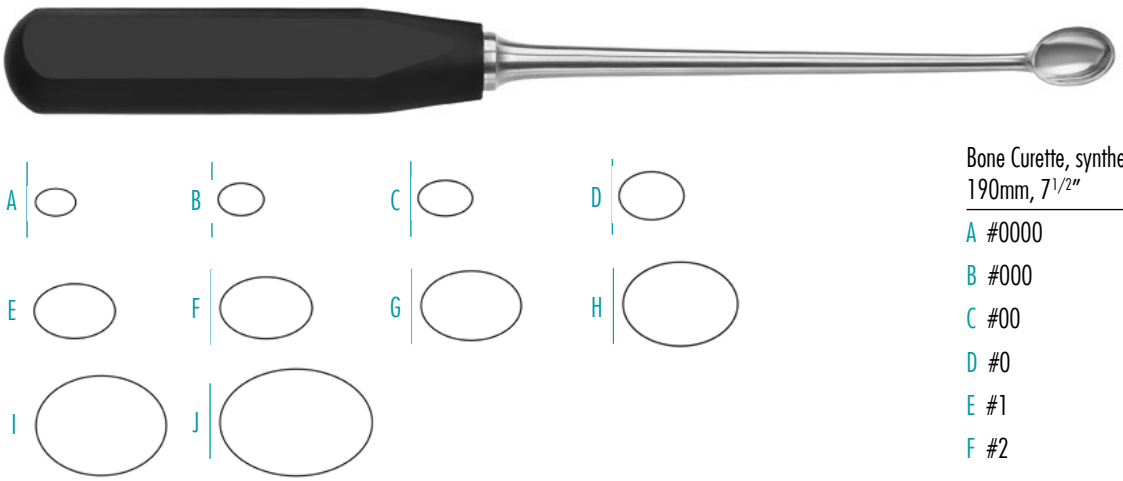
angled

A #000	259-185-921
B #00	259-185-922
C #0	259-185-919



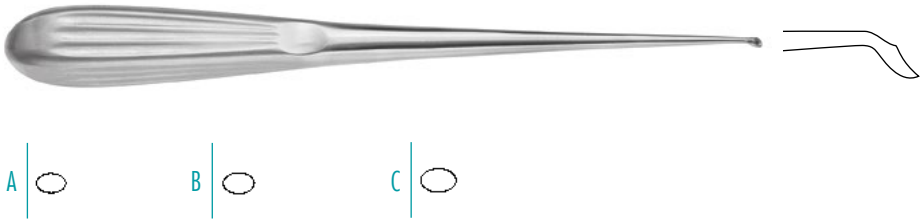
SIMON
Bone Curette, 230mm, $9^{1/2}$″

A #1	210-298-001
B #2	210-298-002
C #3	210-298-003
D #4	210-298-004
E #5	210-298-005
F #6	210-298-006



Bone Curette, synthetic handle,
190mm, $7^{1/2}$″

A #0000	210-166-030
B #000	210-166-020
C #00	210-166-010
D #0	210-166-000
E #1	210-166-001
F #2	210-166-002
G #3	210-166-003
H #4	210-166-004
I #5	210-166-005
J #6	210-166-006



EPSTEIN
Bone Curette, hollow handle, 200mm, 8"

A #000	210-309-003
B #00	210-309-002
C #0	210-309-001





BUSHE
Bone Curette, upwards cutting, 250mm, 9 7/8"

A 3mm	210-338-250
B 4mm	210-339-250
C 5mm	210-340-250
D 6mm	210-341-250

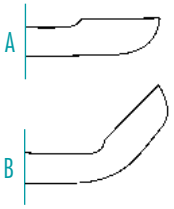




SCOVILLE
Bone Curette, hollow handle, 250mm, 9 7/8"

A straight	210-316-250
B forward angled	210-318-250
C backward angled	210-317-250





SPINAL

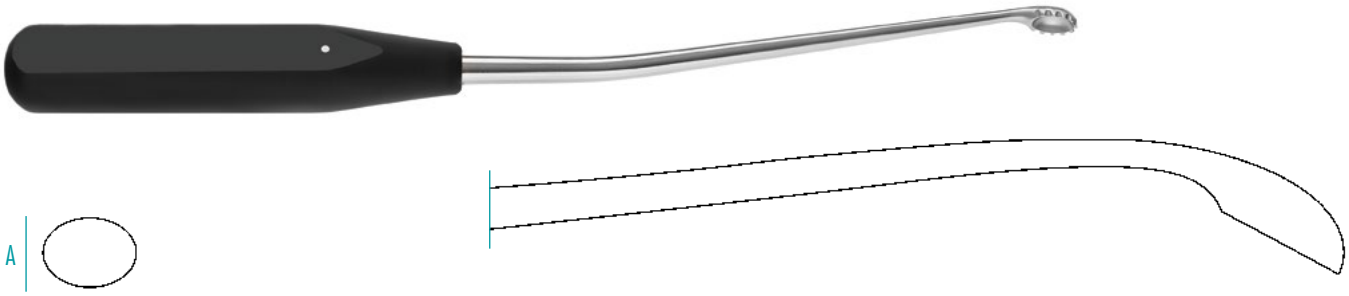
Bone Curette, oval, 280mm, 11"

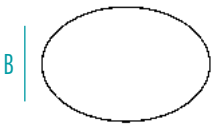
A straight, massive aluminium handle	
#000, 2.5mm	210-320-011
#00, 3.0mm	210-320-012
#0, 3.5mm	210-320-013
#1, 4.0mm	210-320-014
#2, 4.5mm	210-320-015
#3, 5.0mm	210-320-016
#4, 5.5mm	210-320-017
#5, 6.5mm	210-320-018
#6, 8.0mm	210-320-019

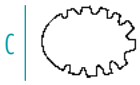
A straight, hollow, stainless steel handle	
#000, 2.5mm	210-320-111
#00, 3.0mm	210-320-112
#0, 3.5mm	210-320-113
#1, 4.0mm	210-320-114
#2, 4.5mm	210-320-115
#3, 5.0mm	210-320-116
#4, 5.5mm	210-320-117
#5, 6.5mm	210-320-118
#6, 8.0mm	210-320-119

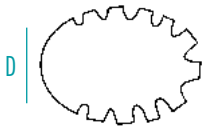
B curved, massive aluminium handle	
#000, 2.5mm	210-321-011
#00, 3.0mm	210-321-012
#0, 3.5mm	210-321-013
#1, 4.0mm	210-321-014
#2, 4.5mm	210-321-015
#3, 5.0mm	210-321-016
#4, 5.5mm	210-321-017
#5, 6.5mm	210-321-018
#6, 8.0mm	210-321-019

B curved, hollow, stainless steel handle	
#000, 2.5mm	210-321-111
#00, 3.0mm	210-321-112
#0, 3.5mm	210-321-113
#1, 4.0mm	210-321-114
#2, 4.5mm	210-321-115
#3, 5.0mm	210-321-116
#4, 5.5mm	210-321-117
#5, 6.5mm	210-321-118
#6, 8.0mm	210-321-119









Bone Curette, synthetic handle
270mm, $10^{2/3}$″

A 9.0mm	210-163-009
B 15.0mm	210-163-015

toothed

C 9.0mm	210-164-009
D 15.0mm	210-164-015



Bone Curette, synthetic handle,
toothed, double angled, 9mm

270mm, $10^{2/3}$″	210-164-109



Bone Curette, synthetic handle, 27mm
small

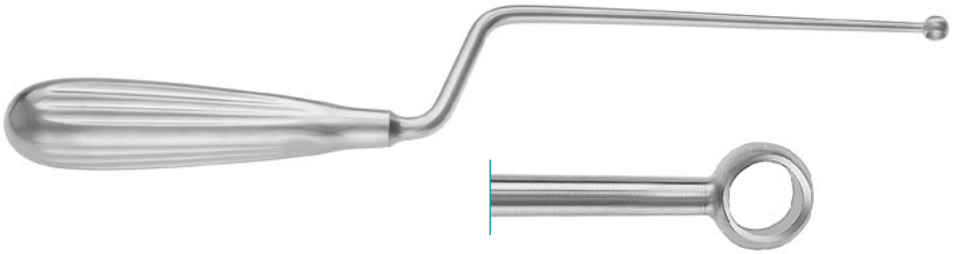
240mm, $9^{1/2}$″	210-184-503

medium

270mm, $10^{2/3}$″	210-184-504

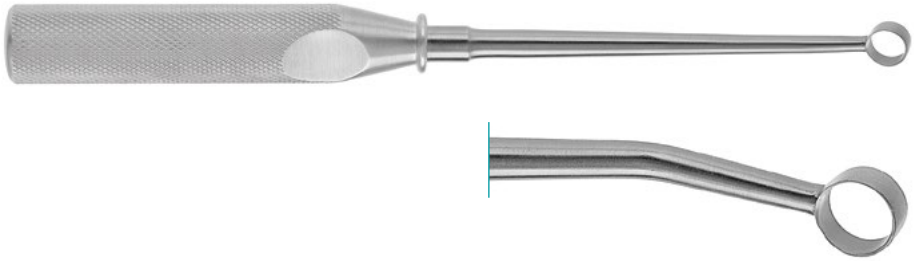
large

320mm, $12^{2/3}$″	210-184-505



KRAEMER
Ring Curette, sharpened double-sided,
250mm, 9 7/8"

4.0mm	210-321-004
5.0mm	210-321-005
6.0mm	210-321-006

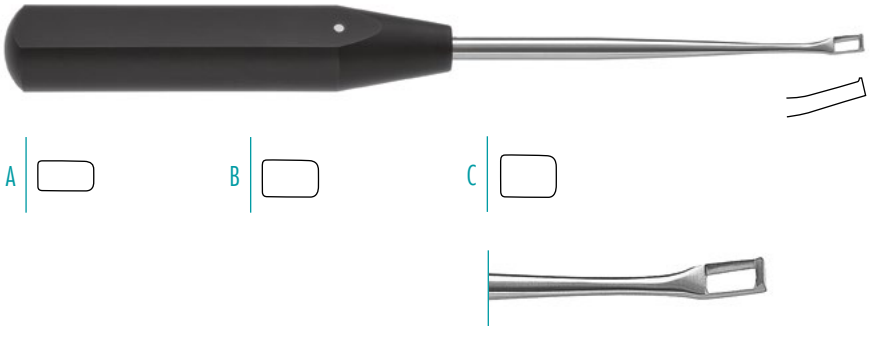


CONE
Ring Curette, 230mm, 9"
straight

#3 3mm	210-320-003
#2 6mm	210-320-002
#1 8mm	210-320-001

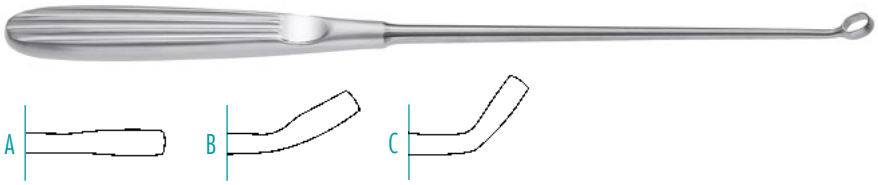
angled

#3 3mm	210-319-003
#2 6mm	210-319-002
#1 8mm	210-319-001



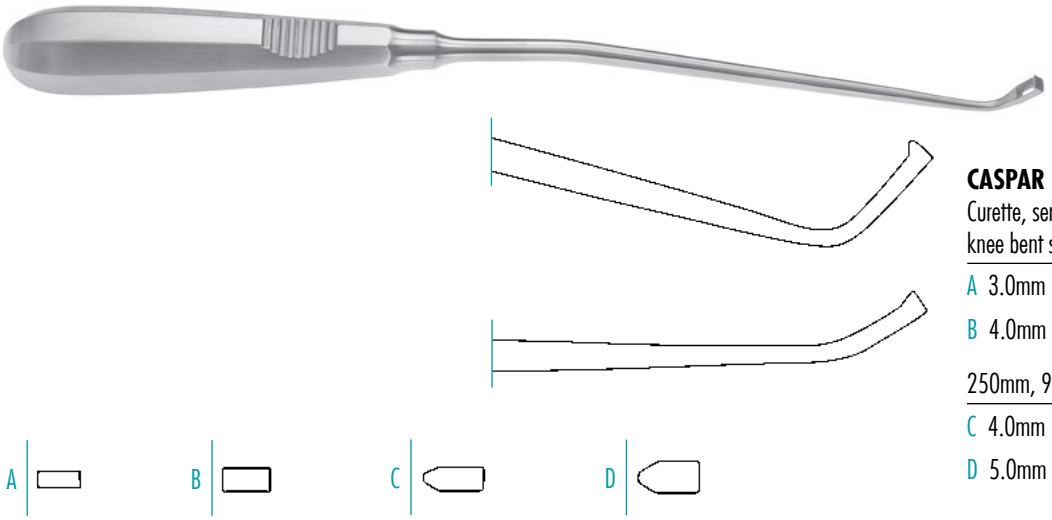
CASPAR
Bone Scoop, curved, toothed, synthetic handle
220mm, 8 2/3"

A 4.0mm	259-185-915
B 5.0mm	259-185-916
C 6.0mm	259-185-910



SEMMES
Spinal Curette, 4x7mm, 230mm, 9″

A straight	210-294-001
B slightly curved	210-294-002
C fully curved	210-294-003

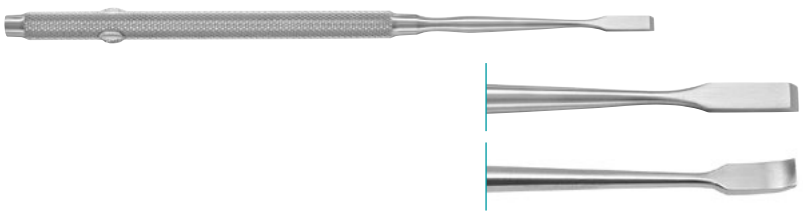


CASPAR
Curette, serrated, 270mm, $10^{2/3}$″
knee bent shaft

A 3.0mm	210-340-003
B 4.0mm	210-340-004

250mm, $9^{7/8}$″, curved shaft

C 4.0mm	210-342-004
D 5.0mm	210-342-005



FREER
Septum Chisel, 4mm, 160mm, $6^{1/4}$"

straight	420-590-004
curved	420-591-004



THIES
Gouge, straight, 160mm, $6^{1/4}$"

2mm	210-100-162
3mm	210-100-163
4mm	210-100-164







PARTSCH
Osteotome, 140mm, 5 1/2"

4mm	210-100-004
6mm	210-100-006
8mm	210-100-008
10mm	210-100-010
12mm	210-100-012

PARTSCH
Chisel, 135mm, 5 1/3"

2mm	210-302-135
3mm	210-303-135
5mm	210-305-135
6mm	210-306-135
7mm	210-307-135
8mm	210-308-135

170mm, 6 2/3"

2mm	210-302-170
3mm	210-303-170
5mm	210-305-170
6mm	210-306-170
7mm	210-307-170
8mm	210-308-170

PARTSCH
Gouge, 140mm, 5 1/2"

2mm	210-109-002
3mm	210-109-003
4mm	210-109-004
5mm	210-109-005
6mm	210-109-006
7mm	210-109-007
8mm	210-109-008

170mm, 6 2/3"

2mm	210-110-002
3mm	210-110-003
4mm	210-110-004
5mm	210-110-005
6mm	210-110-006
7mm	210-110-007
8mm	210-110-008



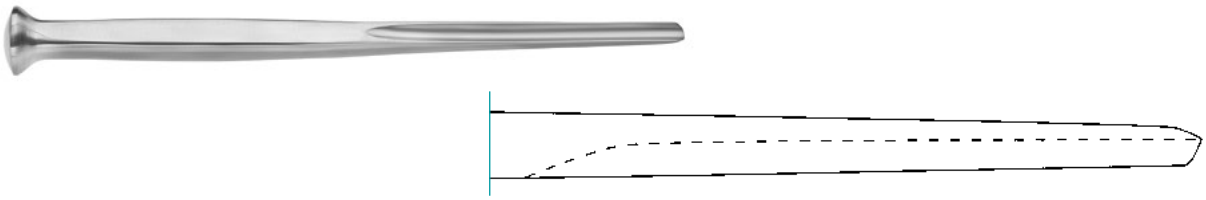
LUCAS
Chisel, 160mm, 6 1/4"

4mm	210-204-160



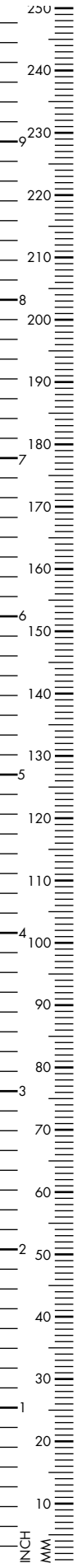
LUCAS
Gouge, 160mm, 6 1/4"

3mm	210-103-160



ALEXANDER
Gouge, 180mm, 7"

4mm	210-604-180
6mm	210-606-180
8mm	210-608-180
10mm	210-610-180
12mm	210-612-180
14mm	210-614-180





SHEEHAN
Osteotome, 160mm, 6 1/4"

2mm	420-594-002
3mm	420-594-003
4mm	420-594-004
5mm	420-594-005
6mm	420-594-006
7mm	420-594-007
8mm	420-594-008
10mm	420-594-010
12mm	420-594-012
15mm	420-594-015



COTTLE
Osteotome with depth marking, 180mm, 7"

4mm	210-487-004
7mm	210-487-007
8mm	210-487-008
10mm	210-487-010
12mm	210-487-012



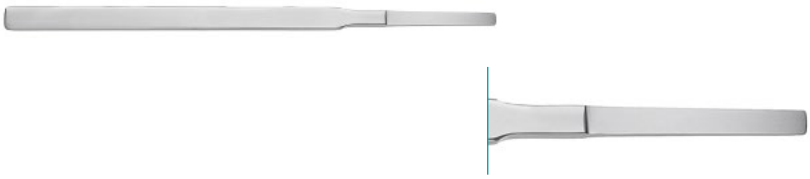
COTTLE
Chisel with depth marking, 180mm, 7"

4mm	210-488-004
7mm	210-488-007
9mm	210-488-009
12mm	210-488-012



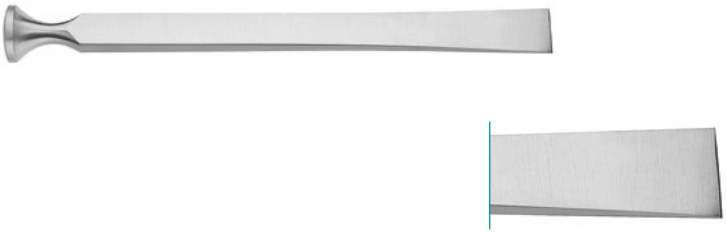
COTTLE
Fishtail Osteotome, protecting ends, double guarded, 8mm

180mm, 7"	210-486-008



HARDT DELIMA
Osteotome, straight, 130mm, $5^{1/8}$"

2mm	210-134-102
4mm	210-134-104
6mm	210-134-106
8mm	210-134-108
10mm	210-134-110
12mm	210-134-112
15mm	210-134-115
170mm, $6^{2/3}$"	
2mm	210-134-202
4mm	210-134-204
6mm	210-134-206
8mm	210-134-208
10mm	210-134-210
12mm	210-134-212
15mm	210-134-215



CARROLL
Osteotome, 145mm, $5^{3/4}$"

3mm	210-226-003
6mm	210-226-006
10mm	210-226-010
13mm	210-226-013



MINI LAMBOTTE
Osteotome, 125mm, 5"

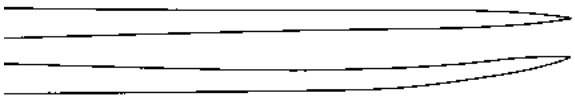
2mm	210-136-002
3mm	210-136-003
4mm	210-136-004
5mm	210-136-005
6mm	210-136-006
7mm	210-136-007
8mm	210-136-008
9mm	210-136-009
10mm	210-136-010
12mm	210-136-012
14mm	210-136-014
15mm	210-136-015



MINI LAMBOTTE
Osteotome, curved, 125mm, 5"

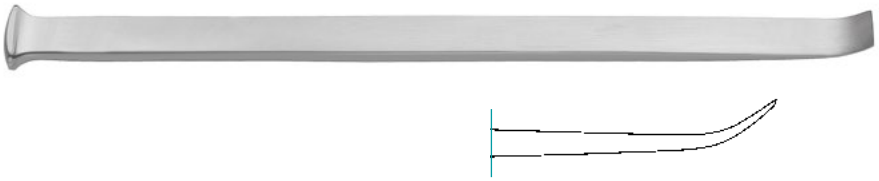
2mm	210-137-002
4mm	210-137-005
6mm	210-137-007
8mm	210-137-009
10mm	210-137-011
12mm	210-137-013





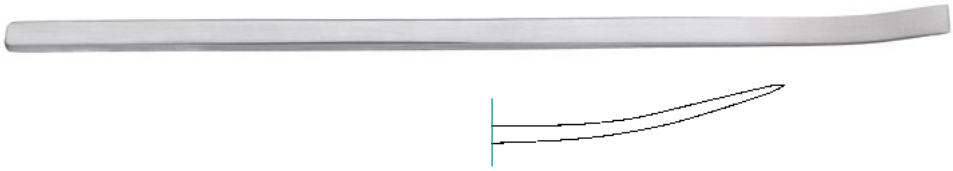
LAMBOTTE
Osteotome, 240mm, 9 1/2"

straight		curved	
4mm	210-132-004	4mm	210-133-004
6mm	210-132-006	6mm	210-133-006
8mm	210-132-008	8mm	210-133-008
10mm	210-132-010	10mm	210-133-010
12mm	210-132-012	12mm	210-133-012
15mm	210-132-015	15mm	210-133-015
20mm	210-132-020	20mm	210-133-020
25mm	210-132-025	25mm	210-133-025
30mm	210-132-030	30mm	210-133-032
38mm	210-132-038	38mm	210-133-038
44mm	210-132-044	44mm	210-133-044
50mm	210-132-050	50mm	210-133-050



OBWEGESER
Osteotome, curved, 13mm

235mm, 9 1/4"	431-656-235



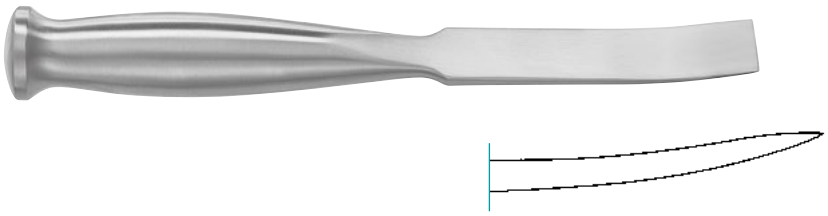
NIEDERDELLMANN
Osteotome, curved, 250mm, 9 7/8"

8mm	431-658-250
10mm	431-660-250



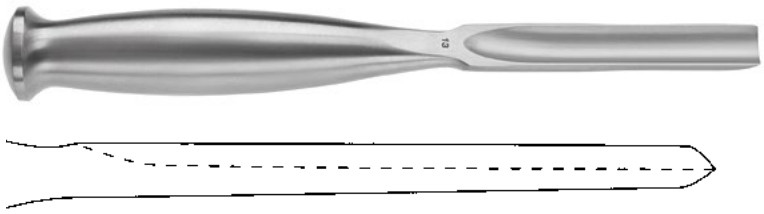
SMITH PETERSEN
Osteotome, straight, 200mm, 8"

6mm	210-106-200
9mm	210-109-200
13mm	210-113-200
16mm	210-116-200
19mm	210-119-200
25mm	210-125-200
32mm	210-132-200



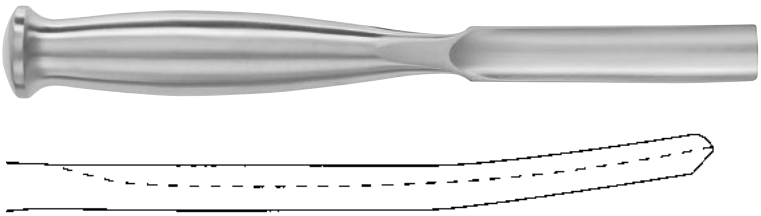
SMITH PETERSEN
Osteotome, curved, 200mm, 8"

6mm	210-206-200
9mm	210-209-200
13mm	210-213-200
16mm	210-216-200
19mm	210-219-200
25mm	210-225-200
32mm	210-232-200



SMITH PETERSEN
Gouge, straight, 200mm, 8"

6mm	210-305-200
9mm	210-309-200
13mm	210-313-200
16mm	210-316-200
19mm	210-319-200
25mm	210-325-200
32mm	210-332-200



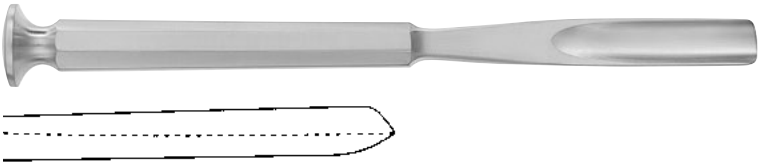
SMITH PETERSEN
Gouge, curved, 200mm, 8"

6mm	210-406-200
9mm	210-409-200
13mm	210-413-200
16mm	210-416-200
19mm	210-419-200
25mm	210-425-200
32mm	210-432-200



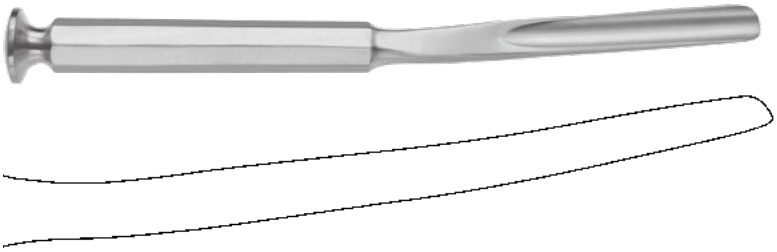
STILLE
Chisel, 200mm, 8"

10mm	210-810-200
12mm	210-812-200
15mm	210-815-200
20mm	210-820-200
25mm	210-825-200



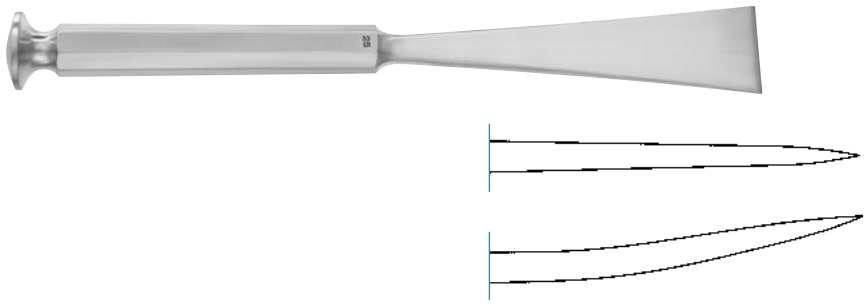
STILLE
Gouge, 200mm, 8"

8mm	210-508-200
10mm	210-510-200
12mm	210-512-200
15mm	210-515-200
20mm	210-520-200
25mm	210-525-200

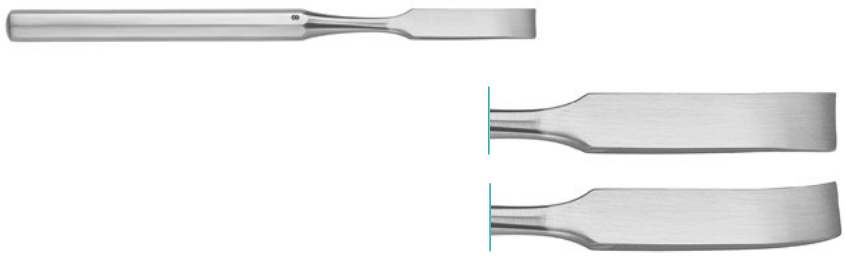


WALTER
Gouge, for rip graft, 200mm, 8"

10mm	210-701-010
15mm	210-701-015







STILLE
Osteotome, 200mm, 8"
straight

8mm	210-708-200
10mm	210-710-200
12mm	210-712-200
15mm	210-715-200
20mm	210-720-200
25mm	210-725-200

curved

8mm	210-908-200
10mm	210-910-200
12mm	210-912-200
15mm	210-915-200
20mm	210-920-200
25mm	210-925-200

STILLE
Osteotome, fine model, 200mm, 8"

10mm	210-410-200
12mm	210-412-200
15mm	210-415-200
20mm	210-420-200

HOKE
Osteotome, 140mm, $5^{1/2}$"
straight

3mm	210-219-003
5mm	210-219-005
6mm	210-219-006
8mm	210-219-008
9mm	210-219-009
12mm	210-219-012
16mm	210-219-016

curved

3mm	210-218-103
5mm	210-218-105
6mm	210-218-106
8mm	210-218-108
9mm	210-218-110
12mm	210-218-113
16mm	210-218-116



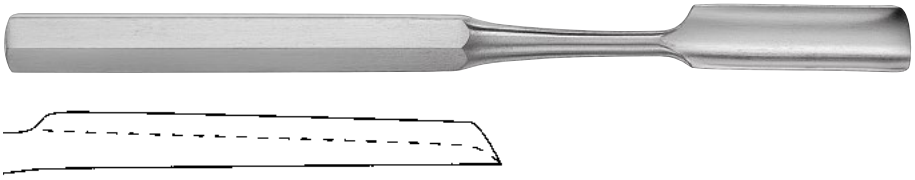
HIBBS
Osteotome, 240mm, 9 1/2"

straight	
6mm	210-212-006
9mm	210-212-010
13mm	210-212-013
16mm	210-212-016
19mm	210-212-019
22mm	210-212-022
25mm	210-212-025
28mm	210-212-028
32mm	210-212-032
38mm	210-212-038
curved	
6mm	210-213-006
9mm	210-213-010
13mm	210-213-013
16mm	210-213-016
19mm	210-213-019
22mm	210-213-022
25mm	210-213-025
28mm	210-213-028
32mm	210-213-032
38mm	210-213-038



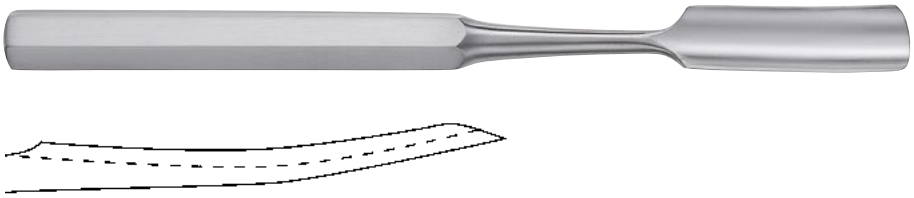
HIBBS
Chisel, 240mm, 9 1/2"

straight	
6mm	210-206-006
9mm	210-206-010
13mm	210-206-013
16mm	210-206-016
19mm	210-206-019
22mm	210-206-022
25mm	210-206-025
28mm	210-206-028
32mm	210-206-032
38mm	210-206-038
curved	
6mm	210-207-006
9mm	210-207-010
13mm	210-207-013
16mm	210-207-016
19mm	210-207-019
22mm	210-207-022
25mm	210-207-025
28mm	210-207-028
32mm	210-207-032
38mm	210-207-038



HIBBS
Gouge, 240mm, 9 1/2″
straight

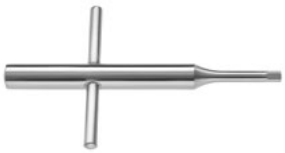
6mm	210-144-060
9mm	210-144-090
13mm	210-144-130
16mm	210-144-150
19mm	210-144-190
22mm	210-144-220
25mm	210-144-250
28mm	210-144-280
32mm	210-144-320
38mm	210-144-380

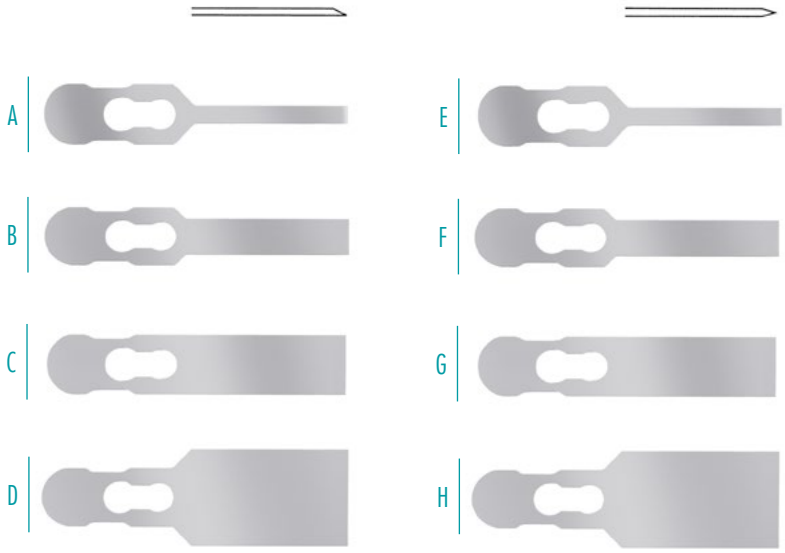


HIBBS
Gouge, 240mm, 9 1/2″
curved

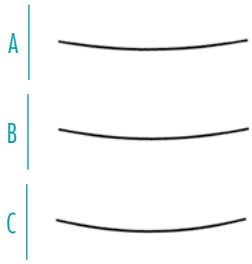
6mm	210-145-060
9mm	210-145-090
13mm	210-145-130
16mm	210-145-150
19mm	210-145-190
22mm	210-145-220
25mm	210-145-250
28mm	210-145-280
32mm	210-145-320
38mm	210-145-380











Handle for interchangeable blades, synthetic handle

210-130-000

Spare Screw (not illustrated)

210-130-001

Wrench

90mm, 3 1/2"	210-130-500

Chisel Blade, 85mm, 3 1/4"

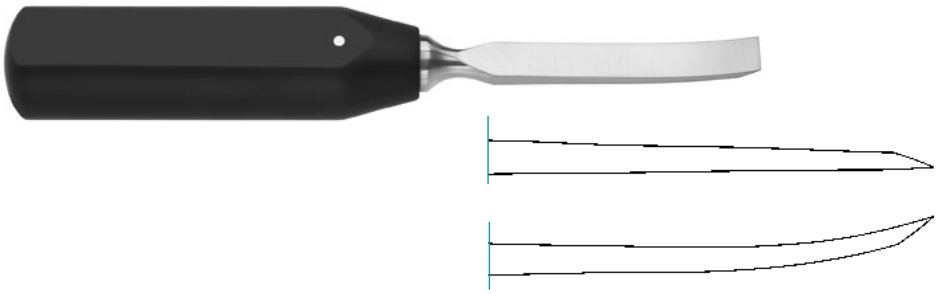
A 5mm	210-130-005
B 10mm	210-130-010
C 16mm	210-130-016
D 25mm	210-130-025

Osteotome Blade, 85mm, 3 1/4"

E 5mm	210-130-105
F 10mm	210-130-110
G 16mm	210-130-116
H 25mm	210-130-125

Gouge Blade, 85mm, 3 1/4"

A r = 50mm	210-130-050
B r = 60mm	210-130-060
C r = 70mm	210-130-070



Osteotome, synthetic handle, 200mm, 8"

straight	
10mm	210-435-010
15mm	210-435-015
20mm	210-435-020
curved	
10mm	210-437-010
15mm	210-437-015
20mm	210-437-020



LEXER MINI

Osteotome, synthetic handle, 180mm, 7"

4mm	210-137-004
6mm	210-137-006
8mm	210-137-008
10mm	210-137-010
12mm	210-137-012



LEXER MINI

Gouge, synthetic handle, 180mm, 7"

2mm	210-138-002
4mm	210-138-004
6mm	210-138-006
8mm	210-138-008
10mm	210-138-010
12mm	210-138-012
15mm	210-138-015



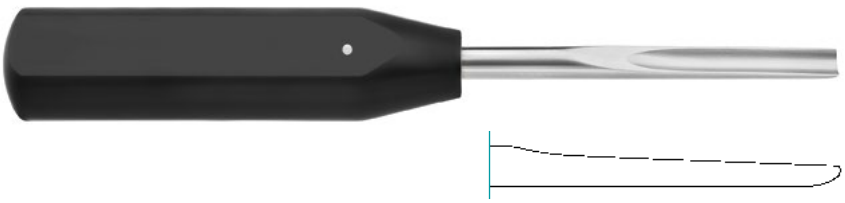
LEXER
Osteotome, synthetic handle, 220mm, 8 2/3″

5mm	210-134-005
7mm	210-134-007
10mm	210-134-010
12mm	210-134-012
15mm	210-134-015
20mm	210-134-020
25mm	210-134-025
30mm	210-134-030



LEXER
Gouge, synthetic handle, 220mm, 8 2/3″

5mm	210-135-005
7mm	210-135-007
10mm	210-135-010
12mm	210-135-012
15mm	210-135-015
20mm	210-135-020
25mm	210-135-025
30mm	210-135-030



Gouge, for removing broken screws, synthetic handle, 220mm, 8 2/3″

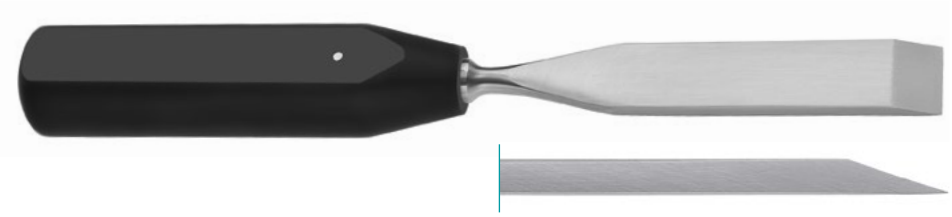
10mm	210-153-010



ZIELKE

Gouge, synthetic handle, 230mm, 9″

6mm	210-500-006
9mm	210-500-009



Chisel, synthetic handle, 20mm, straight

245mm, $9^{2/3}$″	210-146-240



Chisel, synthetic handle, 16mm, curved

265mm, $10^{1/2}$″	210-149-260



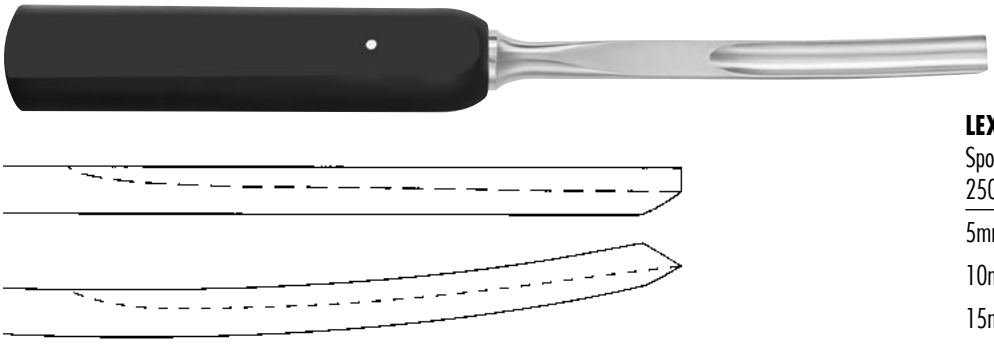
LEXER
Osteotome, synthetic handle, angled, 275mm, $10^{7/8}$″

10mm	210-251-010
15mm	210-251-015



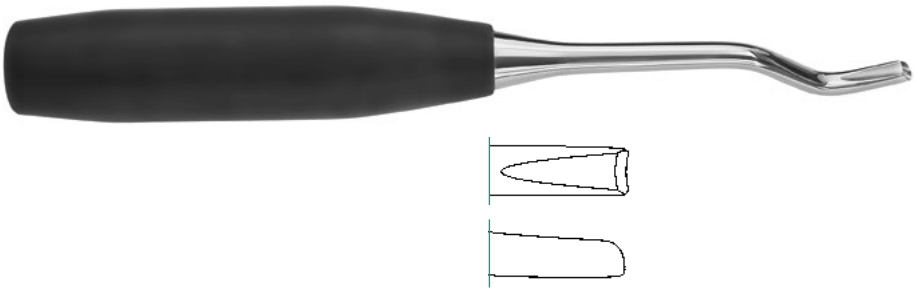
LEXER
Gouge, synthetic handle, angled, 275mm, $10^{7/8}$″

10mm	210-252-010
15mm	210-252-015



LEXER
Spongiosa Gouge, synthetic handle, 250mm, $9^{7/8}$″, straight

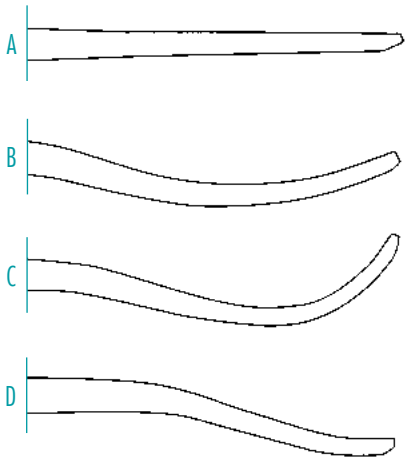
5mm	210-240-005
10mm	210-240-010
15mm	210-240-015
curved	
5mm	210-240-105
10mm	210-240-110
15mm	210-240-115



CAPENER
Lamina Gouge, synthetic handle,
240mm, 9 1/2"

6mm	210-235-006
8mm	210-235-008
10mm	210-235-010
11mm	210-235-011
13mm	210-235-013
16mm	210-235-016
19mm	210-235-019





COBB
Gouge, synthetic handle, 4mm
280mm, 11"

A	straight (8mm)	210-405-195
B	slightly curved	210-405-295
C	strongly curved	210-405-395
D	backwards curved	210-405-495

Hexagonal Handle, 4mm
240mm, 9 1/2"

A	straight	210-405-100
B	slightly curved	210-405-101
C	strongly curved	210-405-102
D	backwards curved	210-405-103





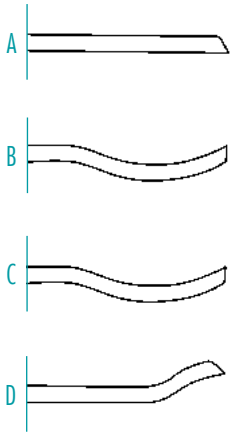
COBB
Osteotome, 280mm, 11″
straight

6mm	210-403-006
9mm	210-403-009
13mm	210-403-013
16mm	210-403-016
19mm	210-403-019
25mm	210-403-025
32mm	210-403-032

curved

6mm	210-406-006
9mm	210-406-009
13mm	210-406-013
16mm	210-406-016
19mm	210-406-019
25mm	210-406-025
32mm	210-406-032

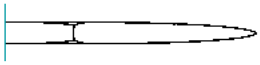


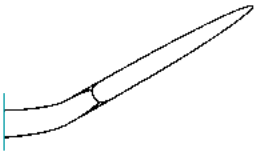


COBB
Gouge, 7.5mm, 280mm, 11″

A	straight	210-405-300
B	slightly curved	210-405-301
C	strongly curved	210-405-302
D	backwards curved	210-405-303



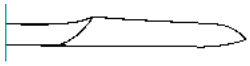




DAHMEN
Osteotome, synthetic handle, 300mm, 11 7/8″

straight		angled	
4mm	210-111-004	4mm	210-118-004
5mm	210-111-005	5mm	210-118-005
6mm	210-111-006	6mm	210-118-006
8mm	210-111-008	8mm	210-118-008
10mm	210-111-010	10mm	210-118-010
12mm	210-111-012	12mm	210-118-012
15mm	210-111-015	15mm	210-118-015
20mm	210-111-020	20mm	210-118-020
22mm	210-111-022	22mm	210-118-022
25mm	210-111-025	25mm	210-118-025









DAHMEN
Gouge, synthetic handle, 300mm, 11 7/8″

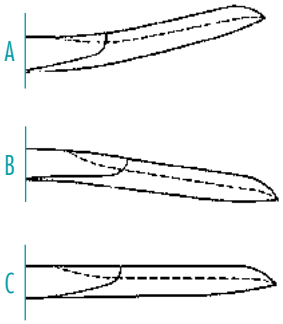
straight		angled backward		angled forward	
4mm	210-112-004	4mm	210-119-004	4mm	210-113-004
5mm	210-112-005	5mm	210-119-005	5mm	210-113-005
6mm	210-112-006	6mm	210-119-006	6mm	210-113-006
8mm	210-112-008	8mm	210-119-008	8mm	210-113-008
10mm	210-112-010	10mm	210-119-010	10mm	210-113-010
12mm	210-112-012	12mm	210-119-012	12mm	210-113-012
15mm	210-112-015	15mm	210-119-015	15mm	210-113-015
20mm	210-112-020	20mm	210-119-020	20mm	210-113-020
22mm	210-112-022	22mm	210-119-022	22mm	210-113-022
25mm	210-112-025	25mm	210-119-025	25mm	210-113-025



LEXER
Gouge, synthetic handle, 5mm

280mm, 11"	210-135-050





WAGNER
Gouge, synthetic handle, 340mm, 13 1/2"

A angled forward	
9mm	210-409-341
15mm	210-415-341
30mm	210-430-341
B angled backward	
9mm	210-409-342
15mm	210-415-342
30mm	210-430-342
C straight	
9mm	210-409-340
15mm	210-415-340
30mm	210-430-340



Osteophyt Chisel, synthetic handle, curved, 16mm

200mm, 8"	210-437-160



LEXER
Chisel, synthetic handle, 16mm

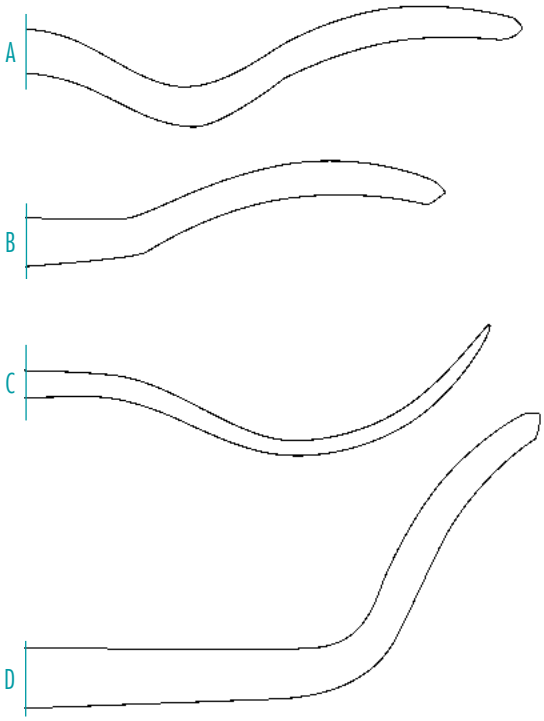
250mm, 9 7/8"	
straight	210-148-250
curved	210-149-250
320mm, 12 1/2"	
straight	210-148-320
curved	210-149-320



CAPENER
Osteotome, synthetic handle, 12.7mm

255mm, 10", straight		curved	
6mm	210-230-006	6mm	210-231-006
10mm	210-230-010	10mm	210-231-010
12mm	210-230-012	12mm	210-231-012
15mm	210-230-015	15mm	210-231-015
20mm	210-230-020	20mm	210-231-020
25mm	210-230-025	25mm	210-231-025
30mm	210-230-030	30mm	210-231-030





Swan Neck Gouge, 25mm

A	285mm, $11^{1/4}$″	210-410-280

16mm

B	270mm, $10^{2/3}$″	210-410-260
B	320mm, $12^{1/2}$″	210-410-320

20mm

C	270mm, $10^{2/3}$″	210-410-270

16mm

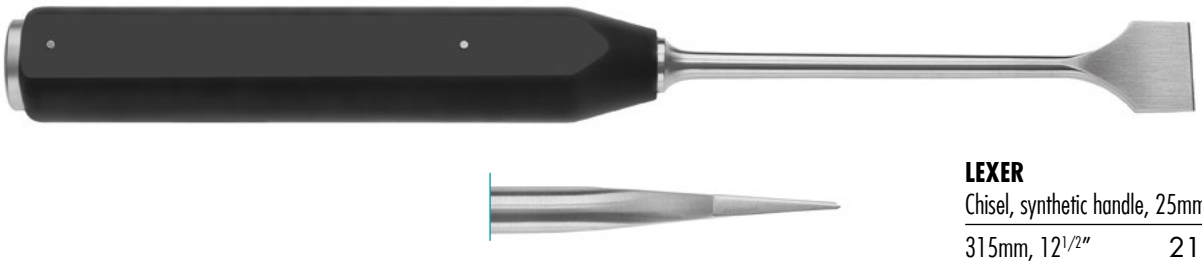
D	250mm, $9^{7/8}$″	210-410-240





Gouge for cement removal, synthetic handle, 8mm

320mm, $12^{1/2}$″	210-154-320



LEXER
Chisel, synthetic handle, 25mm

315mm, 12 1/2"	210-251-025



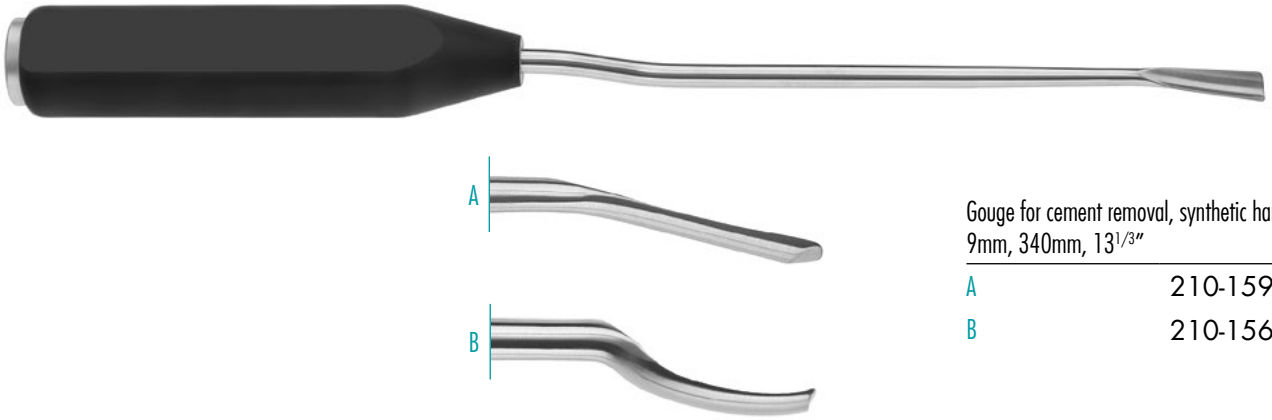
LEXER
Chisel, synthetic handle, 8mm

280mm, 11"	210-251-280
330mm, 13"	210-251-330



Chisel for cement removal, synthetic handle, 5mm, 45° angled upwards

310mm, 12 1/4"	210-153-310



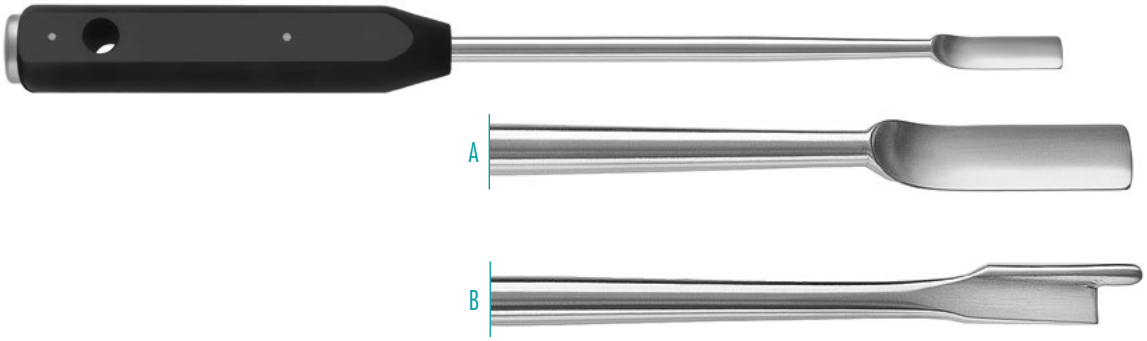
Gouge for cement removal, synthetic handle, 9mm, 340mm, 13 1/3″

A	210-159-009
B	210-156-009



Gouge, bayonet-shaped, synthetic handle, 8mm

320mm, 12 3/4″	210-154-300



Chisel, synthetic handle, 280mm, 11″

A For cement extraction, 9mm	210-157-009
B For cement splitting, 8.5mm	210-515-280



Mallet, lead filled head, ∅ 20mm,
80g

165mm, 6 1/2"	210-220-080



LUCAE
Mallet, ∅ 19mm
80g

190mm, 7 1/2"	210-230-190



LUCAE
Mallet, ∅ 25mm
140g

190mm, 7 1/2"	210-231-190



Mallet, for hand surgery, synthetic handle,
Ø 18x18mm / 7mm
80g

205mm, 8 1/8"	210-268-205



PARTSCH
Mallet, Ø 22mm
120g

180mm, 7"	210-225-180



DOYEN
Mallet, Ø 25mm
120g

210mm, 8 1/4"	210-250-210



CLOWARD
Mallet, lead filled, ∅ 19mm
215g

190mm, 7 1/2"	210-215-190



COLLIN (LUCAE)
Mallet, ∅ 30mm
220g

200mm, 8"	210-220-200



Mallet, 2 interchangeable plastic discs,
∅ 25mm
140g

185mm, 7 1/4"	210-264-140
Spare Discs, pair	210-265-000



Mallet, anodized aluminium handle and head,
∅ 32mm
140g

225mm, $8^{7/8}$"	210-264-220
Spare Discs, pair	210-264-221









WAGNER
Mallet,
complete with plastic discs 210-235-132,
∅ 35mm
130g

235mm, $9^{1/4}$"	210-235-130
Plastic Discs, pair	210-235-132
Metal Discs, pair, 215g	210-235-131
Wrench	210-235-133



HAJEK
Mallet, ∅ 27mm
140g

220mm, $8^{2/3}$″	210-244-220



DOYEN
Mallet, ∅ 30mm
180g

210mm, $8^{1/4}$″	210-300-210



Mallet, exchangeable disc,
1 teflon insert / 1 metal insert
∅ 25mm
205g

190mm, $7^{1/2}$″	210-261-191



Mallet, handle with recessed grip,
∅ 35mm, 265mm, 10 1/2"

450g	210-265-450
900g	210-265-900



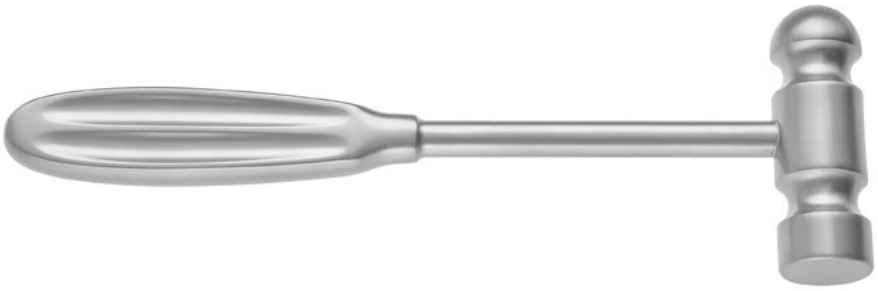
USA MODEL
Mallet, ∅ 35mm
485g

180mm, 7"	210-300-180



USA MODEL
Mallet, ∅ 38mm
900g

190mm, 7 1/2"	210-300-190



CLOWARD
Mallet, ∅ 25mm
220g

230mm, 9″	210-220-230



BERGMANN (HIBBS)
Mallet, ∅ 40mm
260g

230mm, 9″	210-500-230



MEAD
Mallet, with 2 interchangeable plastic discs, ∅ 27mm
180g

190mm, 7 1/2″	210-262-170
Spare Discs, pair	210-263-000



WILLIGER
Mallet, ∅ 26mm
300g

240mm, 9 1/2″	210-240-300



Mallet, lead filled head, repercussion-free, synthetic handle
∅ 30mm
290g

265mm, 10 1/2"	210-290-260
Spare Discs, pair	210-290-000



Mallet, ∅ 30mm / 42mm, synthetic handle, 420g

260mm, 10 1/4"	210-242-240



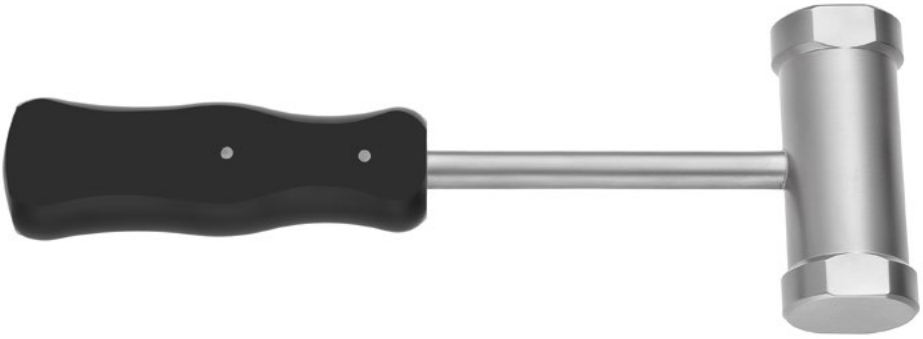
Mallet, ∅ 37mm, synthetic handle and discs, 240g

250mm, 9 7/8"	210-240-250
Spare Discs, pair	210-240-000



Mallet, ∅ 35mm, synthetic

240mm, 9 1/2"	210-260-150
∅ 42mm	
260mm, 10 1/4"	210-260-240
∅ 50mm	
260mm, 10 1/4"	210-260-330



Mallet, synthetic handle, ∅ 30mm, 350g

250mm, 9 7/8"	210-260-350
∅ 35mm, 500g	
250mm, 9 7/8"	210-260-500
∅ 40mm, 700g	
250mm, 9 7/8"	210-260-700



GERZOG
Mallet, lead filled head, ∅ 30mm
300g

190mm, 7 1/2"	210-180-400



BERGMANN
Mallet, ∅ 30mm
300g

230mm, 9"	210-218-230



WILLIGER
Mallet, ∅ 28mm
300g

240mm, 9 1/2"	210-240-340

∅ 30mm, 400g

240mm, 9 1/2"	210-240-400



BERGMANN
Mallet, ∅ 30mm
450g

230mm, 9″	210-329-230



Mallet, synthetic handle, ∅ 35mm
450g

265mm, 10 1/2″	210-240-450

∅ 50mm, 900g

265mm, 10 1/2″	210-240-451



Mallet, ∅ 40mm
520g

185mm, 7 1/4"	210-240-520



OMBREDANNE
Mallet, ∅ 40mm
520g

265mm, 10 1/2"	210-271-240



KIRK
Mallet, ∅ 40mm
690g

195mm, 7 3/4"	210-225-185



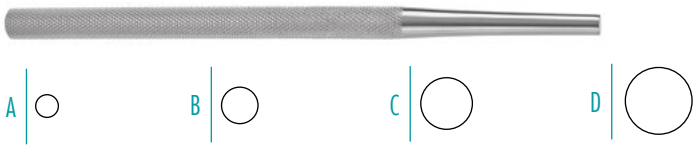
HEATH
Mallet, copper filled head, ∅ 40mm
700g

185mm, 7 1/4"	210-270-185



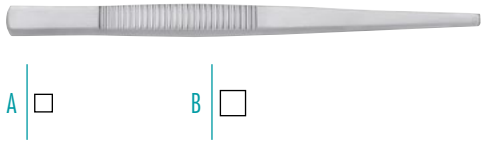
OMBREDANNE
Mallet, ∅ 40mm
710g

240mm, 9 1/2"	210-270-240



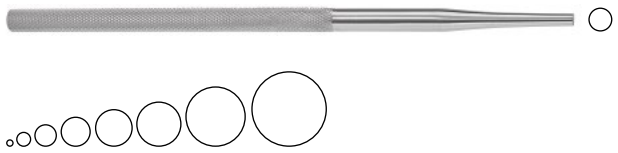
BRUENINGS
Bone Tamper,
160mm, 6 1/4"

A ∅ 3mm	210-115-003
B ∅ 5mm	210-115-005
C ∅ 7mm	210-115-007
D ∅ 9mm	210-115-009



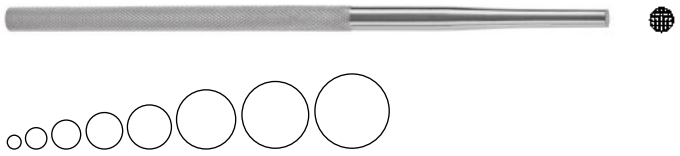
PASSOW
Bone Tamper,
120mm, 4 3/4"

A ∅ 2.5mm	210-325-120
B ∅ 3.5mm	210-335-120



Bone Tamper, round handle, smooth
150mm, 6"

1mm	210-275-151
2mm	210-275-152
3mm	210-275-153
4mm	210-275-154
5mm	210-275-155
6mm	210-275-156
8mm	210-275-158
10mm	210-275-160



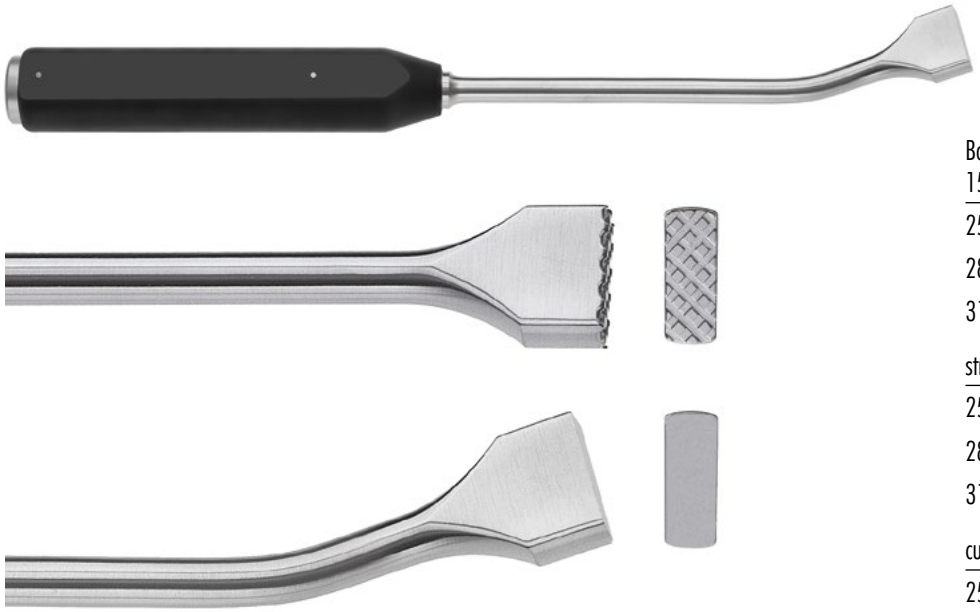
Bone Tamper, smooth round handle, serrated
155mm, 6 1/8"

2mm	210-090-002
3mm	210-090-003
4mm	210-090-004
5mm	210-090-005
6mm	210-090-006
8mm	210-090-008
9mm	210-090-009
10mm	210-090-010



Bone Tamper, synthetic handle,
17 x 7mm, straight

280mm, 11″	210-090-020



Bone Tamper, synthetic handle,
15 x 6mm, straight, serrated

255mm, 10″	210-090-021
280mm, 11″	210-090-030
315mm, 12 1/3″	210-090-033

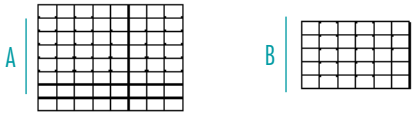
straight, smooth

255mm, 10″	210-090-023
280mm, 11″	210-090-032
315mm, 12 1/3″	210-090-035

curved, smooth

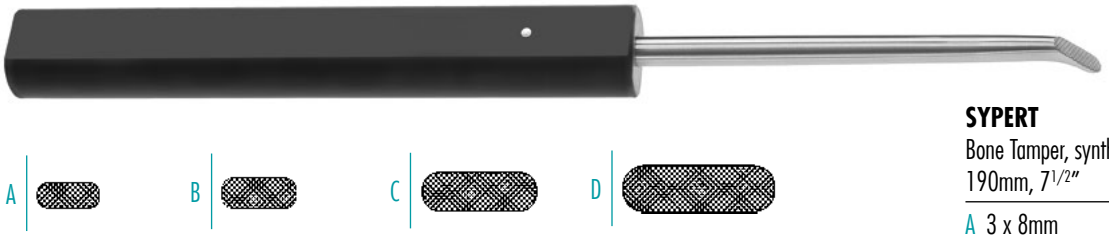
255mm, 10″	210-090-022
280mm, 11″	210-090-031
315mm, 12 1/3″	210-090-034





Bone Tamper, synthetic handle,
350mm, 14″

A 19 x 14mm	210-090-012
B 15 x 10mm	210-090-011



SYPERT
Bone Tamper, synthetic handle
190mm, 7 1/2″

A 3 x 8mm	210-091-100
B 4 x 10mm	210-091-101
C 5 x 15mm	210-091-102
D 6 x 20mm	210-091-103



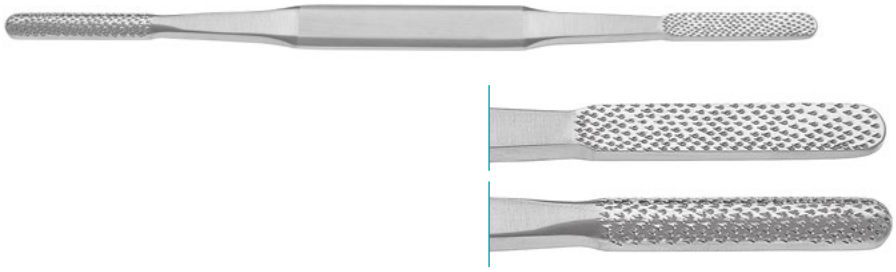
CASPAR
Bone Tamper, synthetic handle, 200mm, 8″

3mm	210-273-200
5mm	210-274-200
8mm	210-275-200
12mm	210-212-200
14mm	210-214-200
16mm	210-215-200



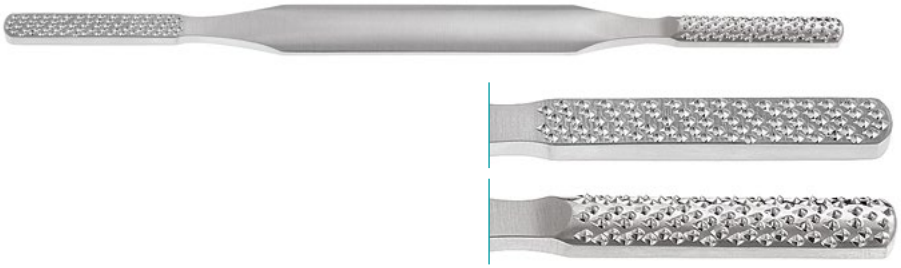
Cement Tamper, small, double-ended,
7mm / 3mm

230mm, 9″	210-093-230



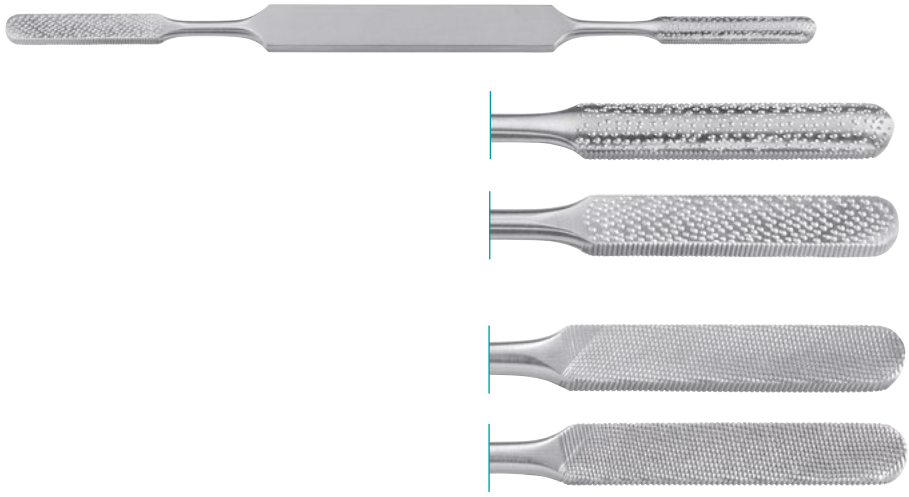
FOMON
Rasp, fine, double-ended, 7.5mm / 6.5mm

215mm, 8 1/2"	420-661-000



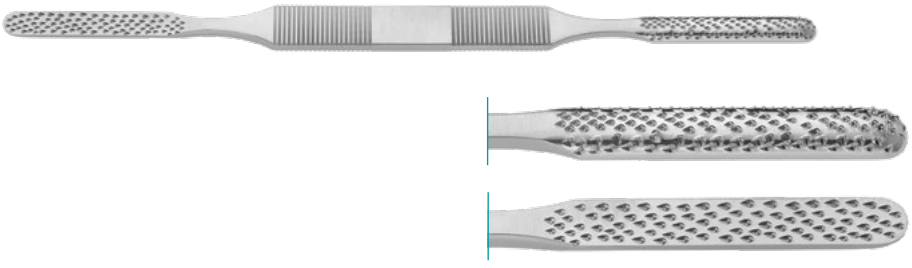
FOMON
Rasp, coarse, double-ended, 7.0mm / 8.0mm

215mm, 8 1/2"	420-660-000



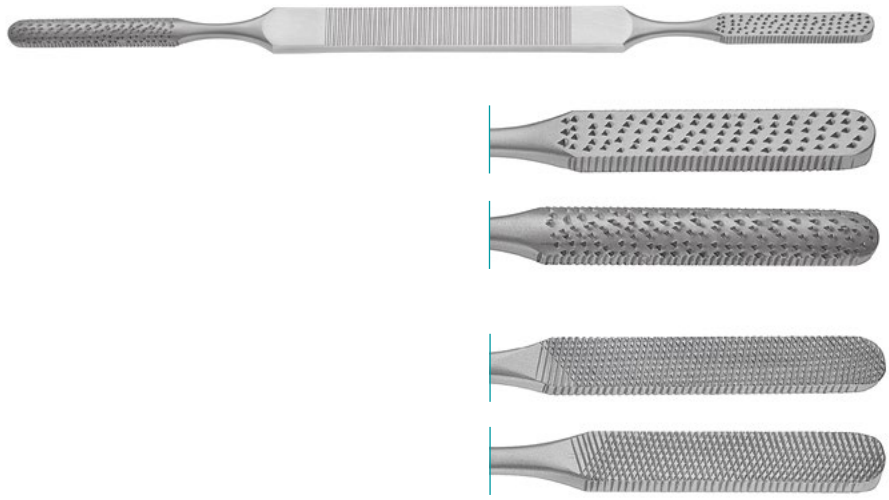
FOMON
Rasp, fine/coarse, double-ended, 4 sides

215mm, 8 1/2"	420-661-100



FOMON LIGHTWEIGHT
Rasp, double-ended, 7.0mm
215mm, 8 1/2"

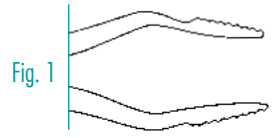
Coarse	420-662-001
Fine	420-662-002

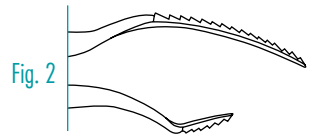


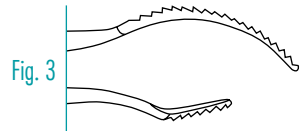
KLEINERT KUTZ
Rasp, double-ended, 4 sides

220mm, $8^{2/3}$"	420-656-000



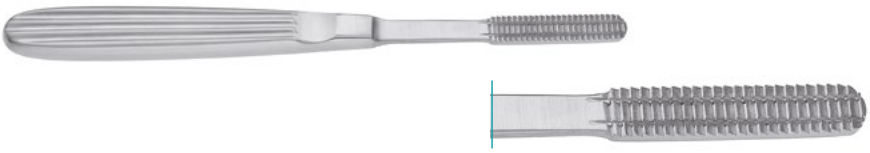






MILLER
Rasp, 90° cross-serrated, backwards cutting, 180mm, 7"

Fig. 1	8mm / 5mm	500-387-000
Fig. 2	6mm / 4mm	500-384-010
Fig. 3	6mm / 5mm	500-386-045



MALTZ
Rasp, straight, backward cutting

180mm, 7"	420-654-180



FOMON
TC Rasp, double-ended, 7 x 40mm
210mm, $8^{1/4}$″

Fig. 1 / Fig. 2	420-660-219
Fig. 3 / Fig. 4	420-660-214
Fig. 5 / Fig. 6	420-660-216
Fig. 7 / Fig. 8	420-660-218
Fig. 9 / Fig. 10	420-660-200



PARKES
TC Rasp, straight, 8 x 39mm
210mm, $8^{1/4}$″

Fig. 1	420-490-210
Fig. 2	420-491-210
Fig. 3	420-492-210
Fig. 4	420-493-210
Fig. 5	420-494-210
Fig. 6	420-495-210
Fig. 7	420-496-210
Fig. 8	420-497-210
Fig. 9	420-498-210
Fig. 10	420-499-210

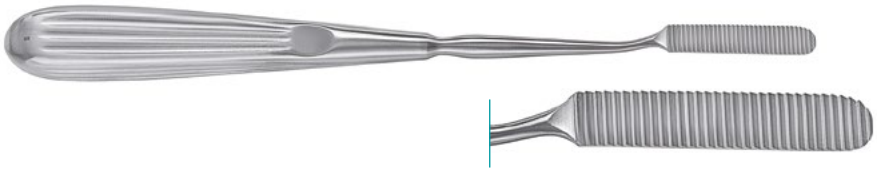


MALTZ
TC Rasp,
165mm, $6^{1/2}$″

Fig. 2	420-492-165
Fig. 3	420-493-165
Fig. 4	420-494-165
Fig. 5	420-495-165
Fig. 6	420-496-165



Fig.1 0.8 | Fig.2 1.1 | Fig.3 1.3 | Fig.4 1.6 | Fig.5 1.8 | Fig.6 2.0 | Fig.7 2.4 | Fig.8 2.6 | Fig.9 2.8 | Fig.10 3.0



MALTZ (COTTLE)
Rasp, backward cutting

210mm, $8^{1/4}$″	420-670-210



GALLAHER
Rasp, with ring, coarse

170mm, $6^{2/3}$″	420-678-190



PUTTI
Bone File

300mm, $11^{7/8}$″	210-181-300



PUTTI
Bone File

270mm, $10^{2/3}$″	210-183-270



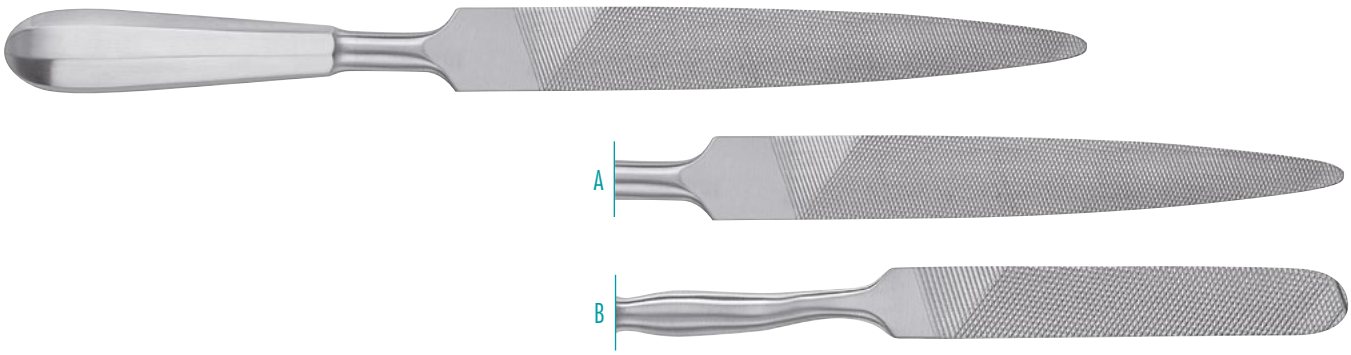
PUTTI
Rasp, angled shaft, silicone handle

310mm, 12 1/4"	210-183-270



Bone File / Rasp

220mm, 8 2/3"	210-178-220



Bone File, hollow handle,
A semi-round

280mm, 11"	210-176-280

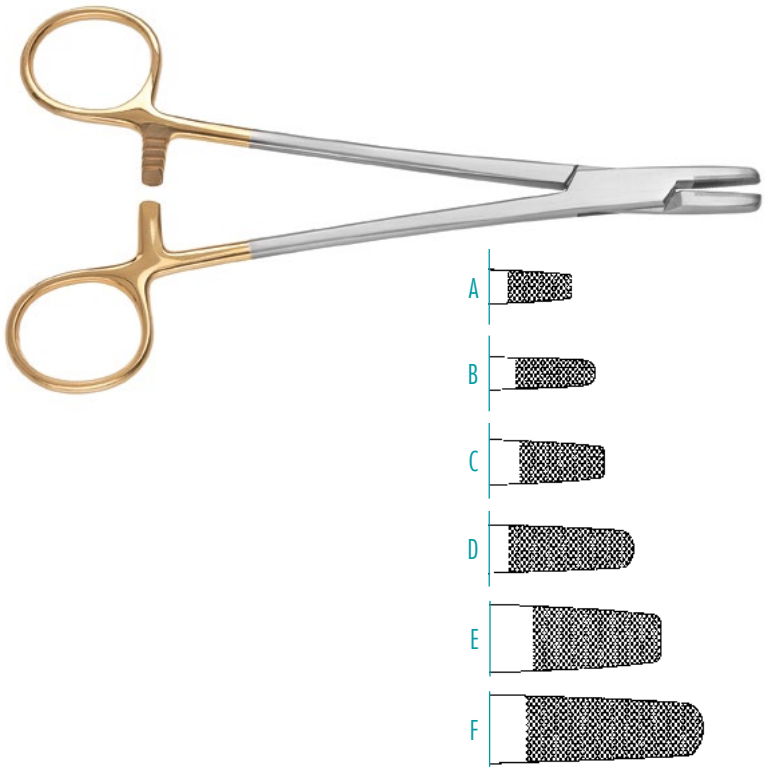
B bayonet-shaped

240mm, 9 1/2"	210-177-245



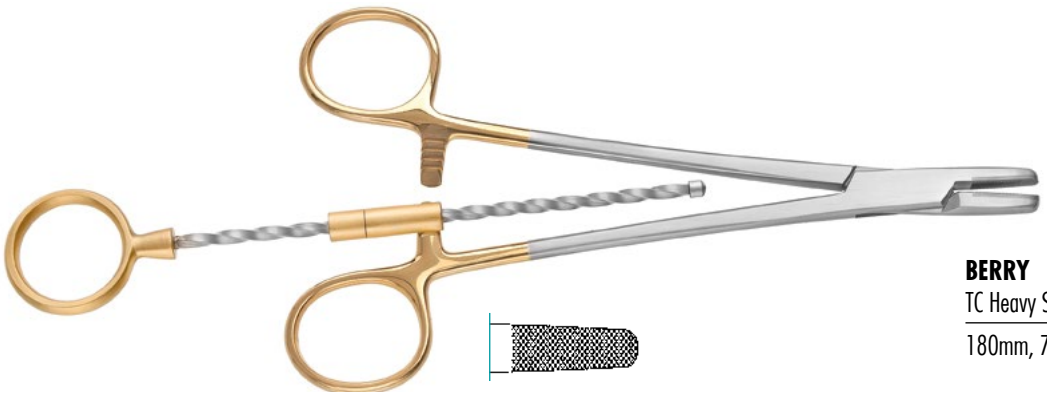
TC Wire Twisting Forceps

150mm, 6"	180-501-150



BERRY
TC Heavy Sternal Needle Holder

150mm, 6"	
A	180-307-150
B	180-308-150
180mm, 7"	
C	180-307-180
D	180-308-180
200mm, 8"	
E	180-307-200
F	180-308-200



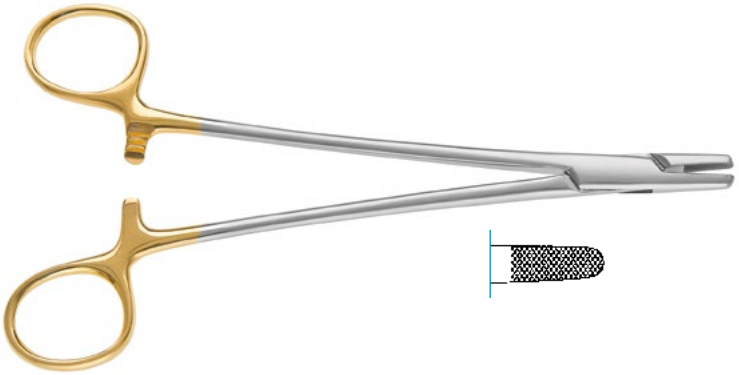
BERRY
TC Heavy Sternal Needle Holder

180mm, 7"	180-309-180



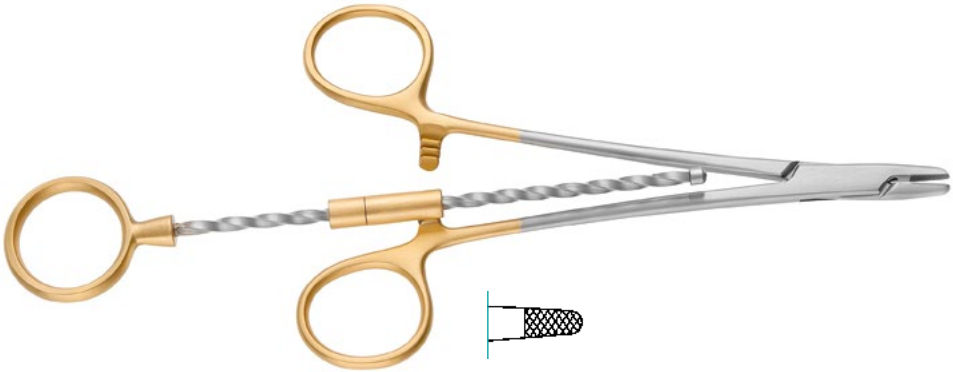
TC Wire Holding Clamp, round jaw

130mm, 5 1/8"	180-569-130



TC Wire Holding Clamp / Sternum

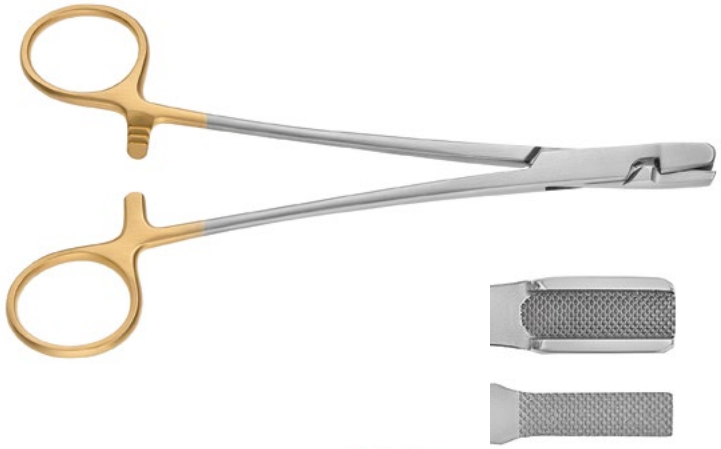
180mm, 7"	180-569-180



CORWIN

TC Wire Twister with drill

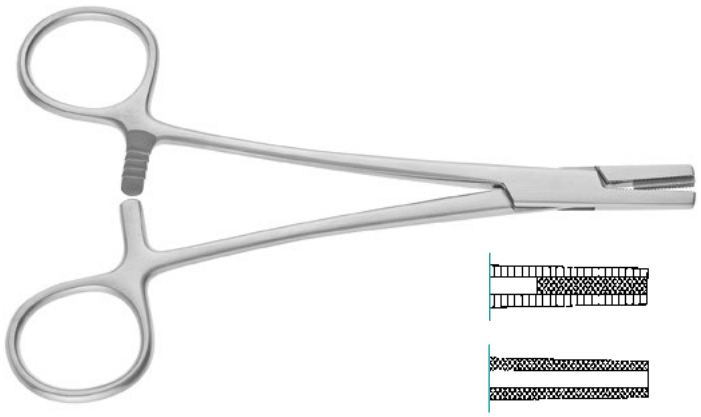
130mm, 5 1/8"	180-811-130
185mm, 7 1/4"	180-810-185





Wire Extraction Plier, lateral support to hold wire in place, 170mm, $6^{2/3}$"

without drill	200-514-170
with drill	200-515-170



Wire Pulling Forceps

165mm, $6^{1/2}$"	200-503-165



Wire Holding Forceps

140mm, 5 1/2"	200-515-140



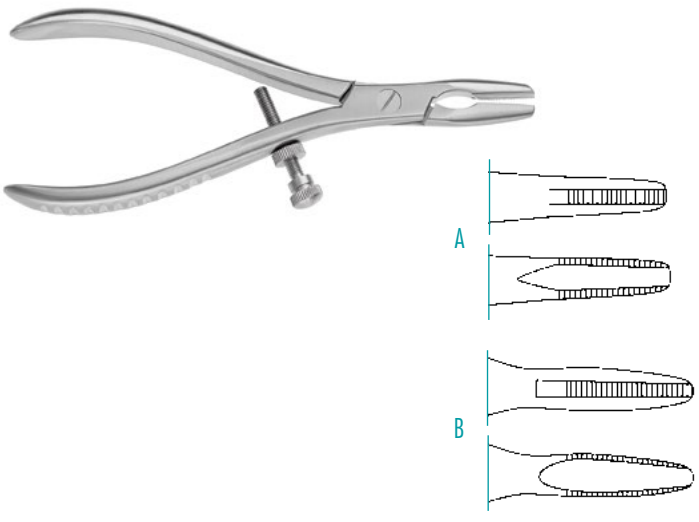
Flat Nose Plier, distal jaw, smooth

140mm, 5 1/2"	180-507-140



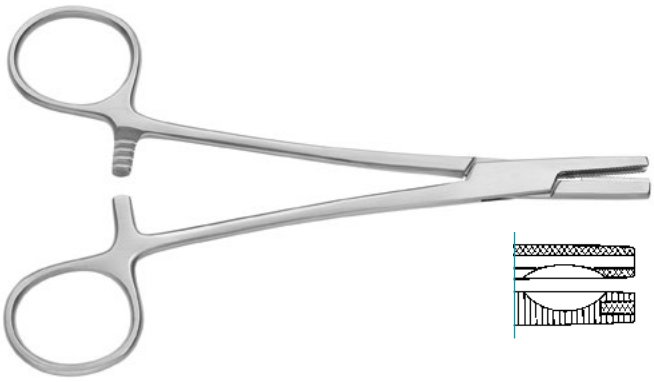
Flat Nose Plier, serrated jaw

140mm, 5 1/2"	180-511-140



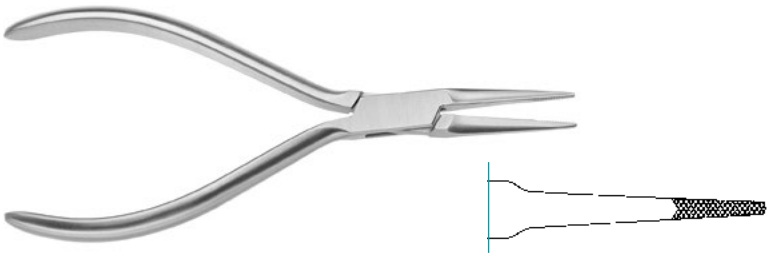
Wire Extraction Forceps

A 130mm, 5 1/8"	200-507-130
B 180mm, 7"	200-507-180



Wire Twister / Tightener

160mm, 6 1/4" 180-512-160



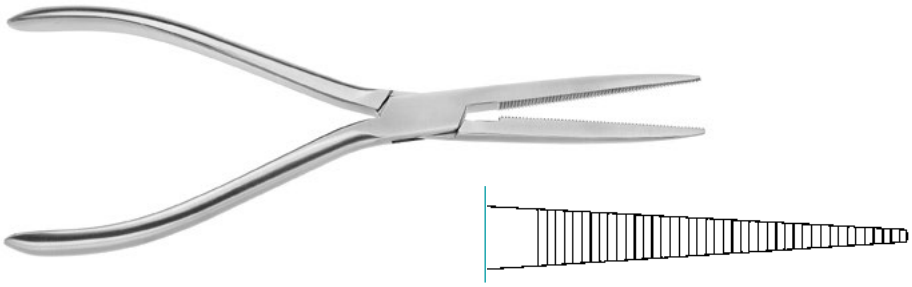
Flat Nose Plier, delicate long jaw,
2mm wide tip

160mm, 6 1/4" 180-515-160



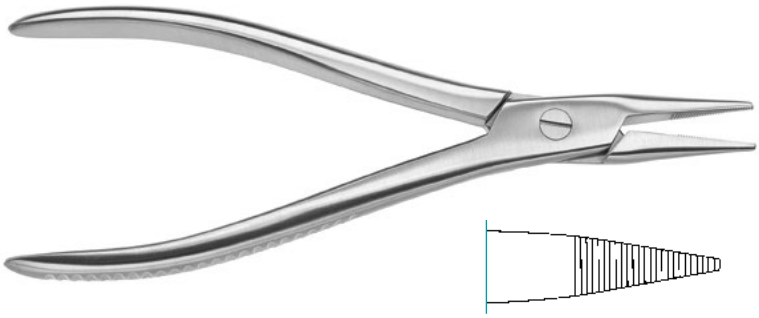
Flat Nose Plier, sharp

195mm, 7 3/4" 180-500-180



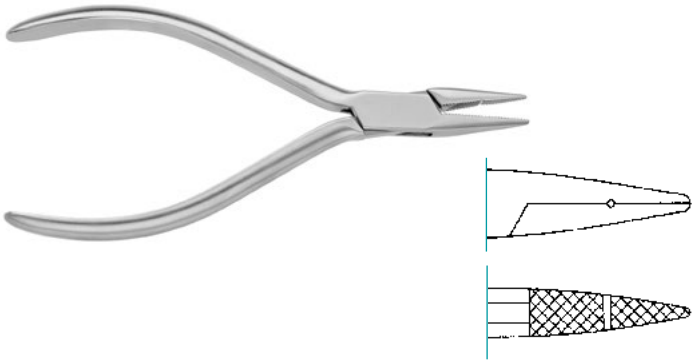
Long Jaw Needle Nose Plier,
parallel serrated jaw

178mm, 7" 180-513-170



Narrow Nose Wire Pulling Forceps,
3mm jaw

190mm, 7 1/2" 180-513-190



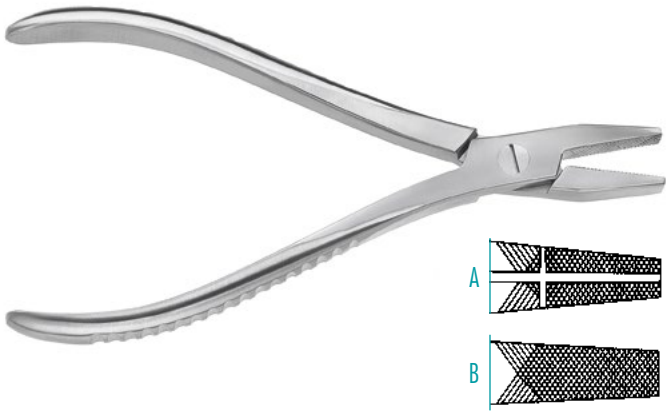
Needle Nose Plier,
wire with groove, for 1mm cerclage

140mm, 5 1/2" 200-518-140



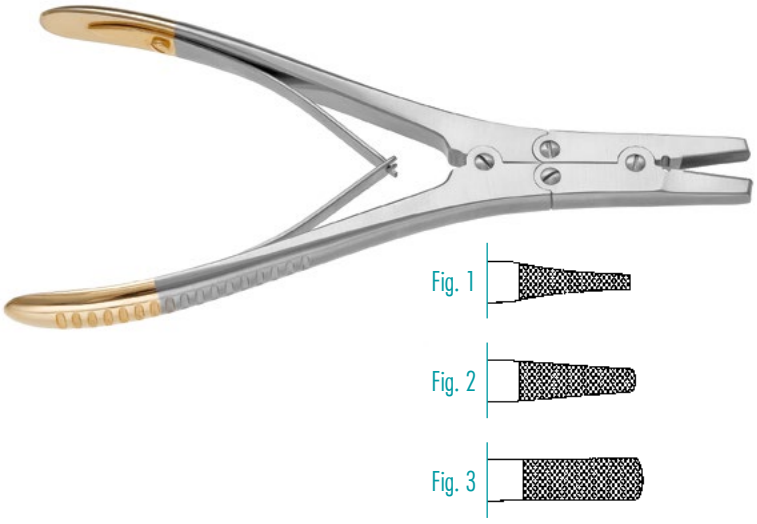
Flat Nose Plier, with groove

160mm, 6 1/4" 200-518-160



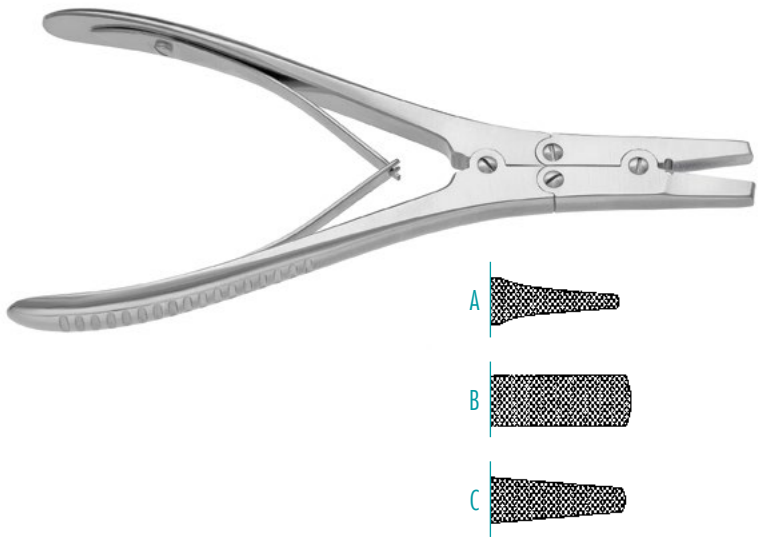
Wire Holding Pliers,
with longitudinal and transversal grooves,
170mm, 6 2/3"

A	180-500-170
B	180-501-170



TC Flat Nose Plier, double action
180mm, 7"

Fig. 1	200-511-001
Fig. 2	200-511-002
Fig. 3	200-511-003



Wire Extraction Plier, double action
145mm, 5 3/4"

A	200-514-145

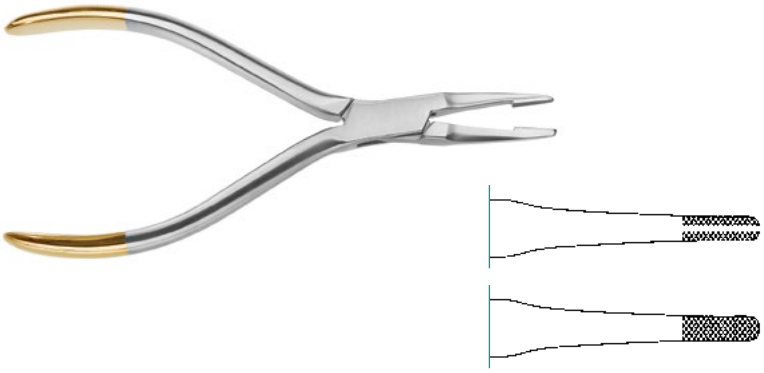
180mm, 7"

B	200-507-180
C	200-514-180



Flat Nose Plier, 2mm tapered tip

140mm, 5 1/2" 180-510-140



Pin Pulling Forceps, 1 TC Insert

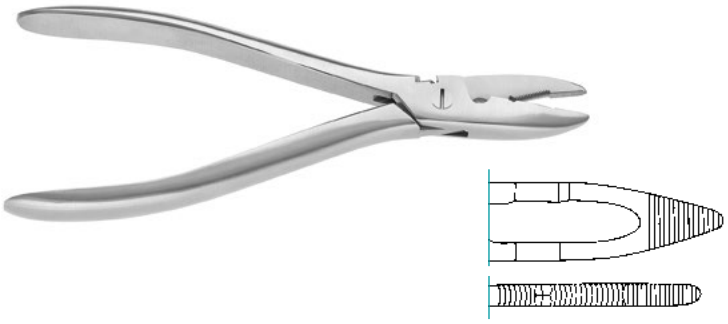
140mm, 5 1/2" 180-512-140



LANGENBECK

Round Plier, smooth, round jaw

140mm, 5 1/2" 180-634-140



WALDSACHS
Universal Plier

155mm, 6 1/8"	180-790-150



TC Multi-Purpose Plier

190mm, 7 1/2"	180-501-190



PEESO
Wire Bending Plier

135mm, 5 1/3"	180-843-135



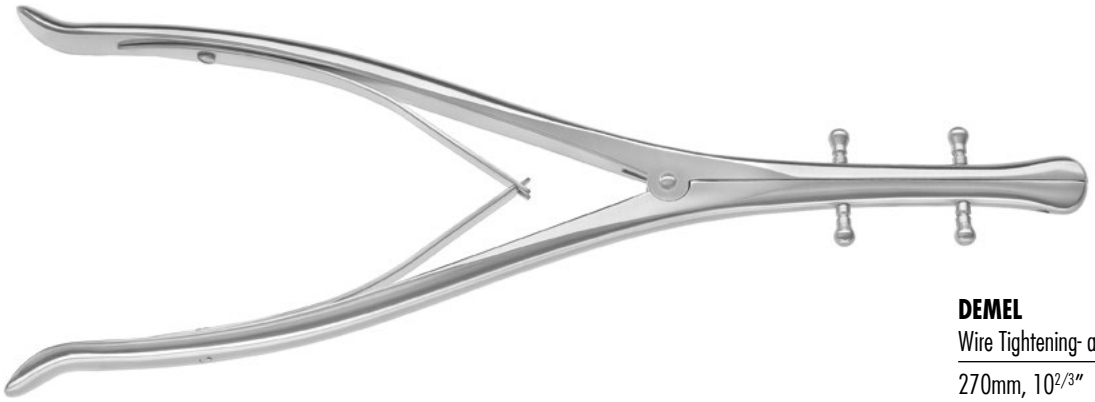
Wire and Pin Bender / up to 3.2mm

150mm, 6" 200-204-150



LOUTE
Wire Tightener

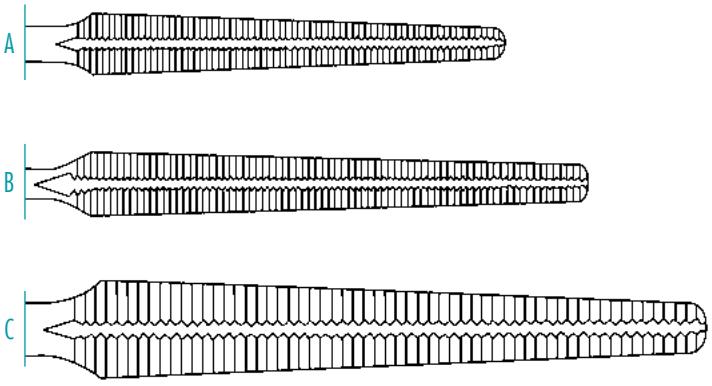
210mm, 8 1/4" 200-513-210



DEMEL
Wire Tightening- and Twisting Forceps

270mm, 10 2/3" 200-755-270





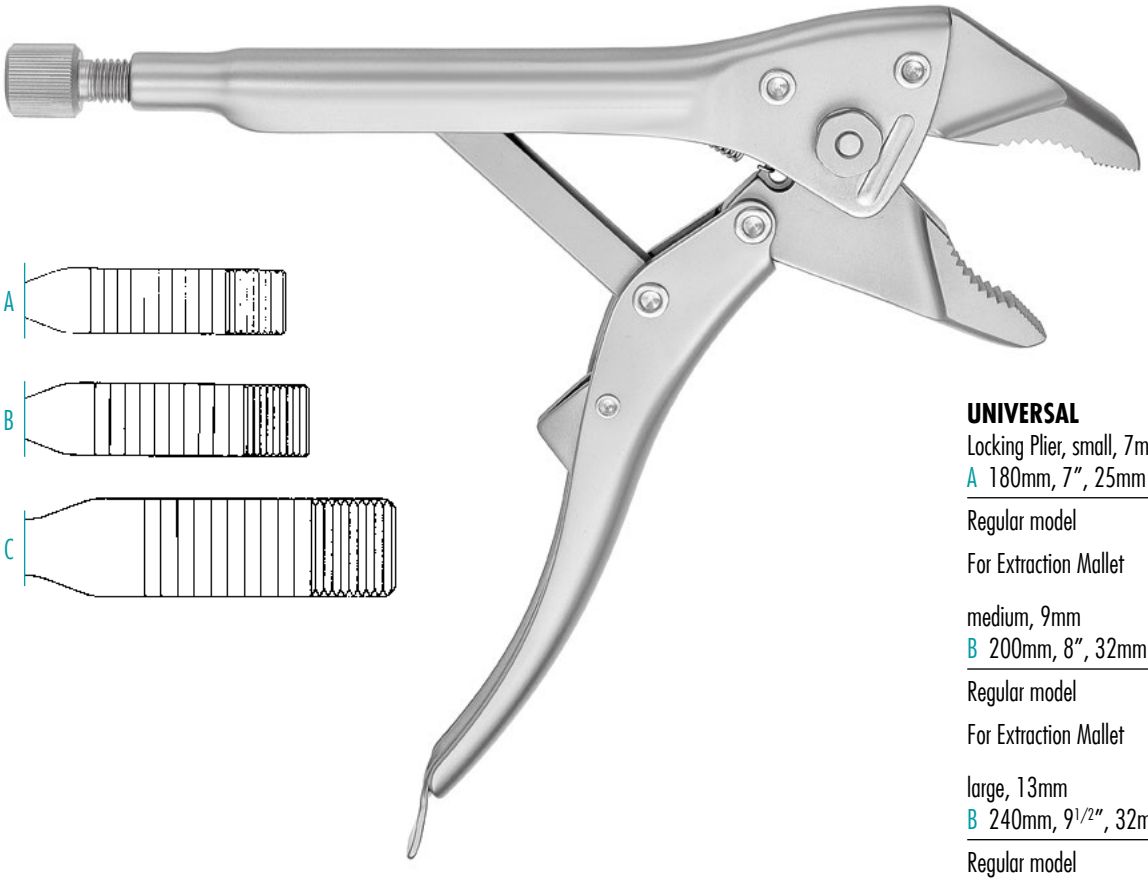
Needle Nose Locking Plier

A 220mm, 8 2/3" / small	
Regular model	200-515-220
For Extraction Mallet	200-515-221
B 250mm, 9 7/8" / medium	
Regular model	200-515-250
For Extraction Mallet	200-515-251
C 300mm, 11 7/8" / large	
Regular model	200-515-300
For Extraction Mallet	200-515-301



Extraction Mallet

for small and medium models 400g	
350mm, 14"	210-400-350
for large models 700g	
400mm, 15 3/4"	210-700-350



UNIVERSAL
Locking Plier, small, 7mm
A 180mm, 7", 25mm jaw spreading

Regular model	200-511-180
For Extraction Mallet	200-511-181

medium, 9mm
B 200mm, 8", 32mm jaw spreading

Regular model	200-511-200
For Extraction Mallet	200-511-201

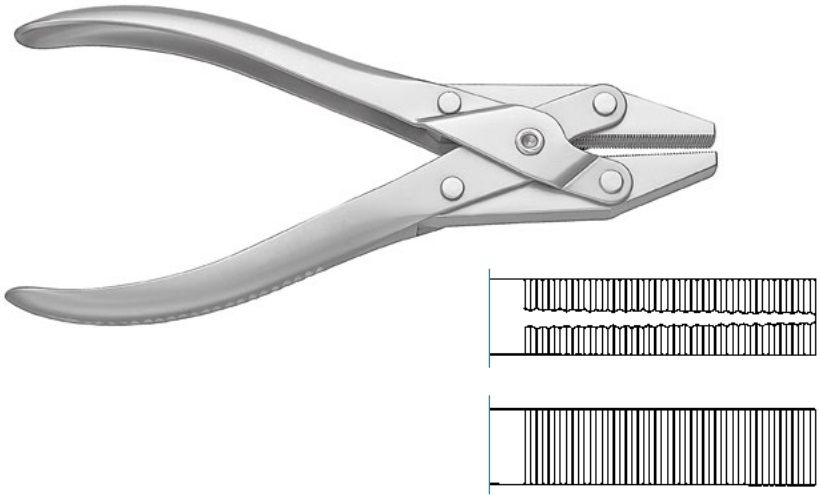
large, 13mm
B 240mm, $9^{1/2}$", 32mm jaw spreading

Regular model	200-511-240
For Extraction Mallet	200-511-241



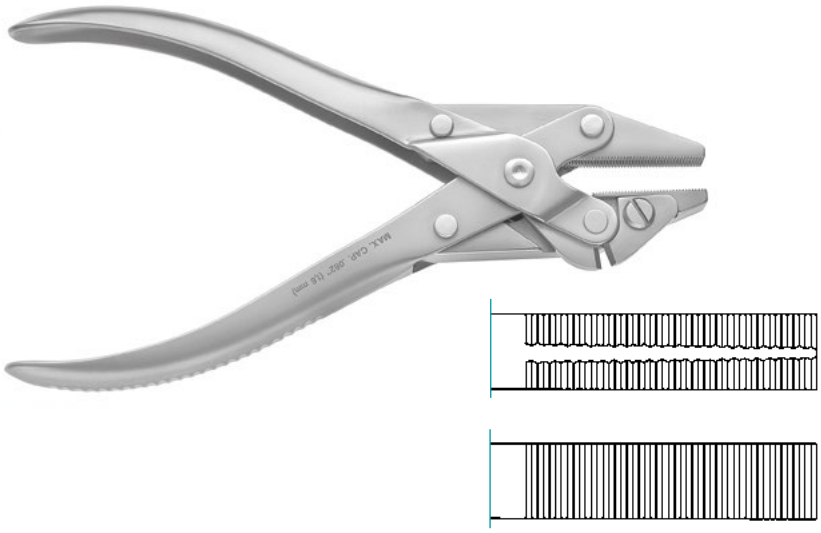
UNIVERSAL
Wire sizing Forceps,
max. opening 50mm

200mm, 8"	180-502-200



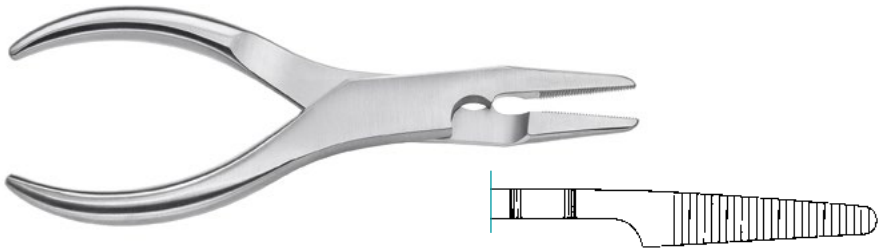
Wire Gripper, parallel closure

185mm, $7^{1/4}$"	200-513-185



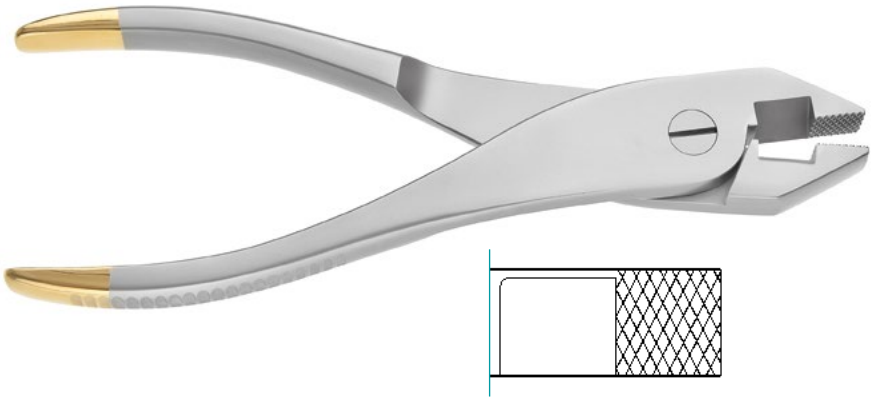
Combined Wire Cutter and Gripper

180mm, 7″	180-512-185



Flat Nose Plier, 3.5mm jaw

160mm, 6 1/4″	180-535-160

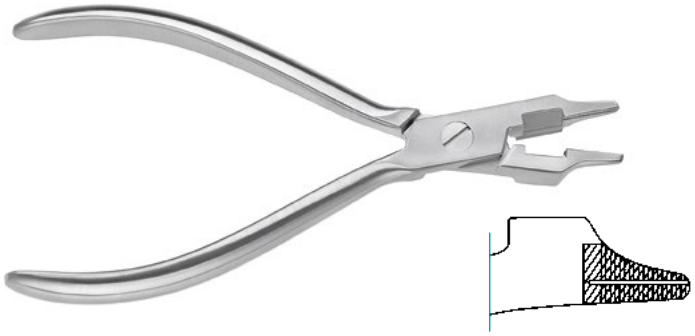


CUT ∅

HARD max. 1.2mm
SOFT max. 2.0mm

LINEMAN
Plier with cutting edge

220mm, 8 2/3″	200-516-220



CUT ∅
HARD max. 1.0mm
SOFT max. 1.5mm

UNIVERSAL
Wire Cutting and Bending Forceps

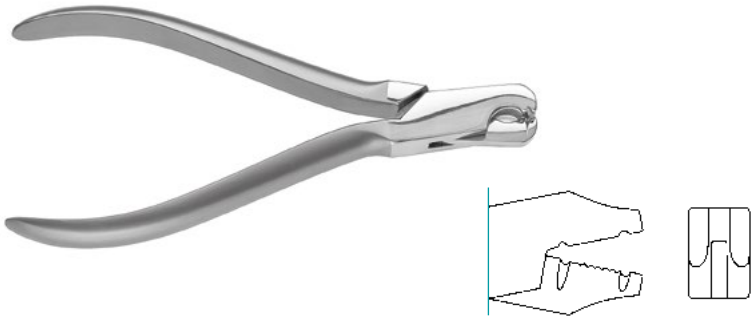
150mm, 6"	200-513-150



CUT ∅
HARD max. 0.7mm
SOFT max. 1.0mm

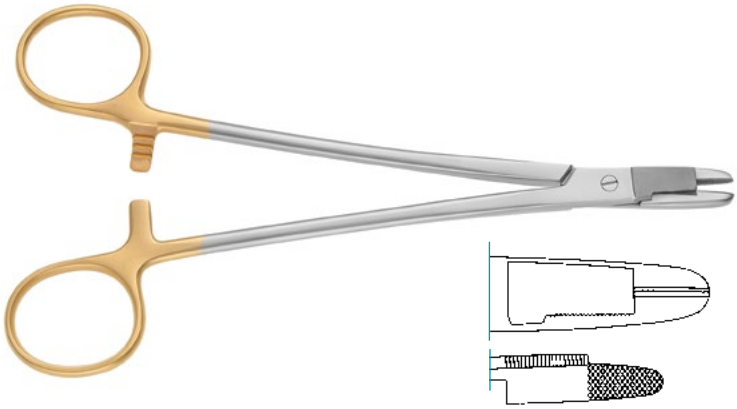
Wire Cutting / Bending Forceps

150mm, 6"	200-514-150



K-Wire and Plate Bending Forceps,
for mini plates up to 1.6mm,
90° - bending for K-Wires

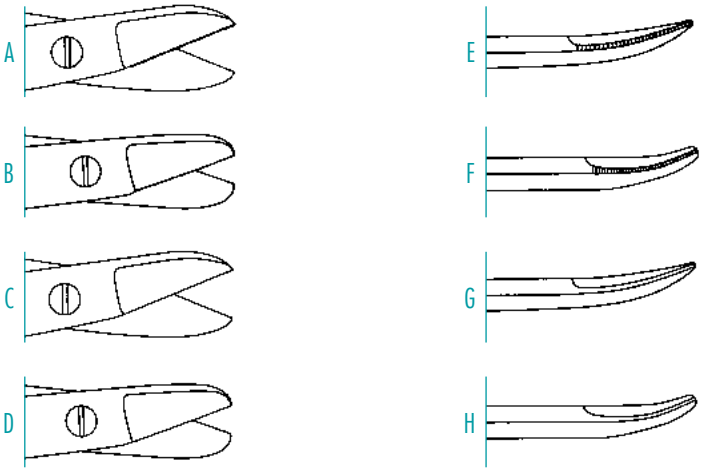
140mm, $5^{1/2}$"	200-416-140



KOPPELMANN
Wire Twister and Scissors

185mm, $7^{1/4}$"	180-572-185

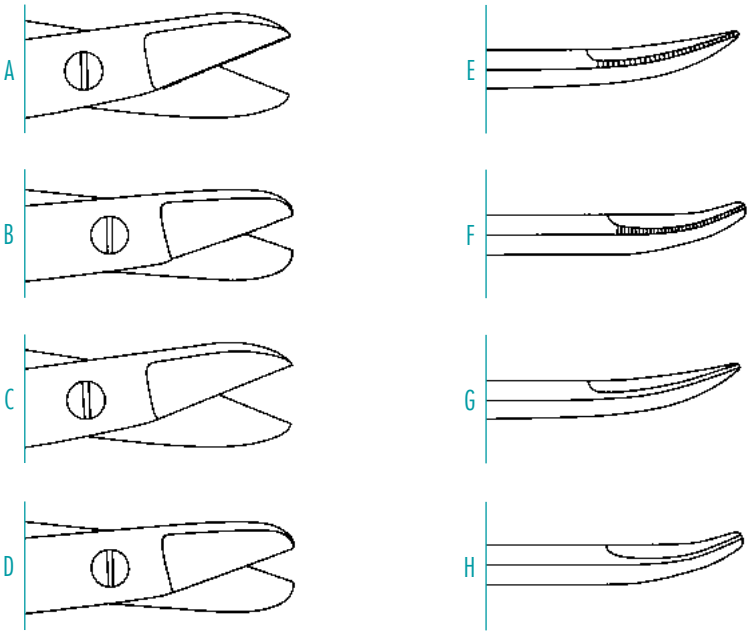




Crown & Collar Scissors, 100mm, 4"

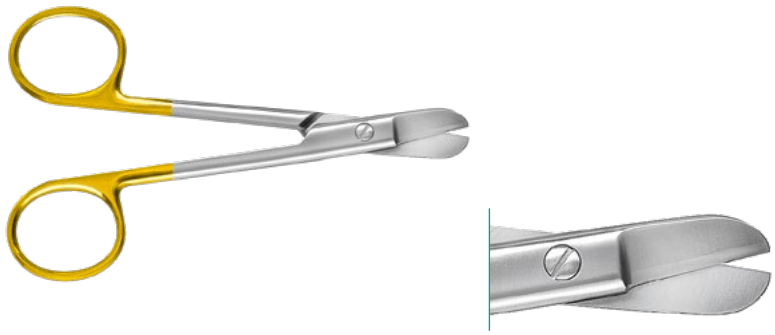
A	Straight, sharp, serrated	120-296-100
B	Straight, blunt, serrated	120-300-100
C	Straight, sharp	120-294-100
D	Straight, blunt	120-298-100
E	Curved, sharp, serrated	120-297-100
F	Curved, blunt, serrated	120-301-100
G	Curved, sharp	120-295-100
H	Curved, blunt	120-299-100





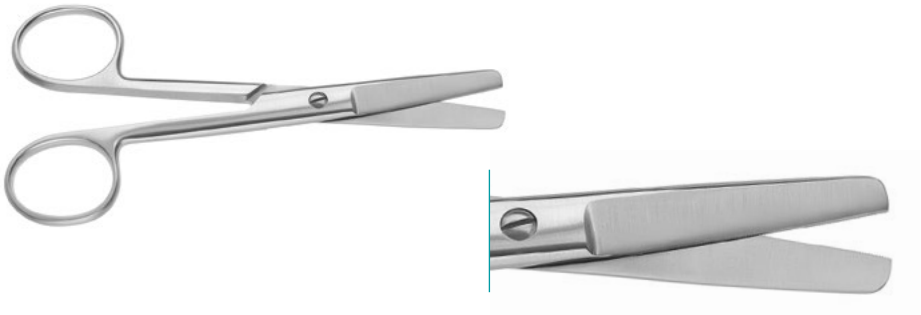
Crown & Collar Scissors, 120mm, 4 3/4"

A	Straight, sharp, serrated	120-296-120
B	Straight, blunt, serrated	120-300-120
C	Straight, sharp	120-294-120
D	Straight, blunt	120-298-120
E	Curved, sharp, serrated	120-297-120
F	Curved, blunt, serrated	120-301-120
G	Curved, sharp	120-295-120
H	Curved, blunt	120-299-120



TC Wire Scissors

120mm, 4 3/4"	120-596-120

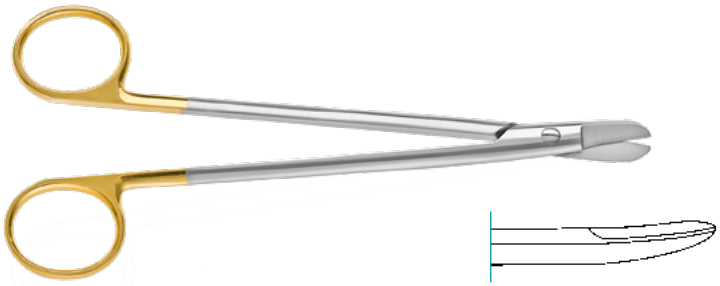


CUT ∅

HARD max. 0.3mm
SOFT max. 0.4mm

HARVEY
Wire Cutting Scissors, serrated

125mm, 5"	120-262-125



SMITH
TC Wire Scissors, serrated, 160mm, 6 1/4"

straight	120-570-160
curved	120-571-160



SCHUKNECHT
Wire Scissors, straight, short blade

100mm, 4"	120-120-100



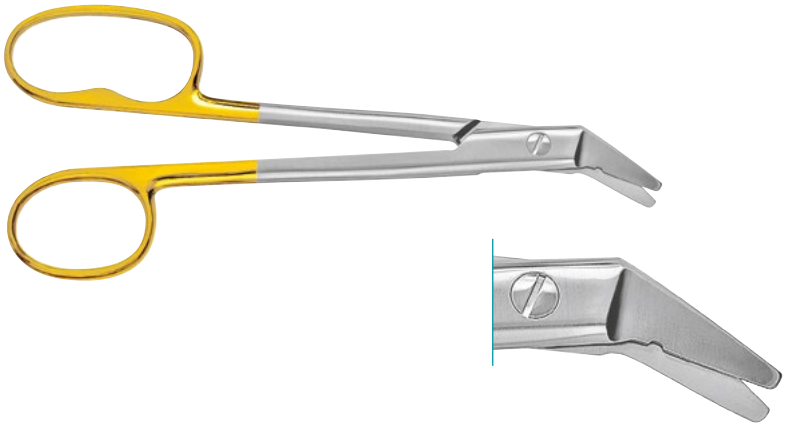
CUT Ø
HARD max. 0.8mm
SOFT max. 1.2mm

UNIVERSAL
Wire & Plate Scissors, serrated

120mm, 4 3/4"	120-265-120

With TC inserts

120mm, 4 3/4"	120-565-120



UNIVERSAL
TC Wire & Plate Scissors

170mm, 6 2/3"	120-565-170



CUT ∅
UP TO 0.7mm

TC Wire Cutter, up to 0.7mm

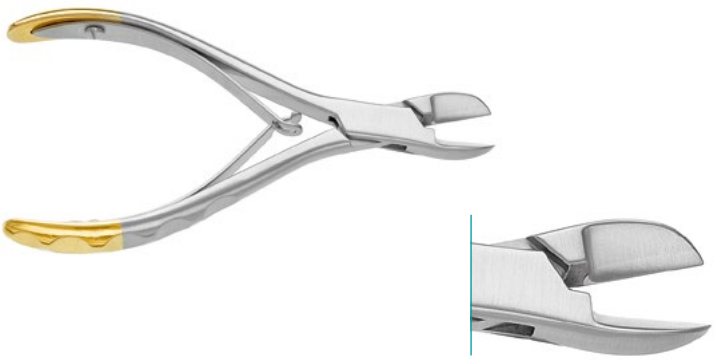
110mm, 4 1/3"	200-500-110



CUT ∅
HARD max. 1.0mm
SOFT max. 1.5mm

TC Wire Cutter

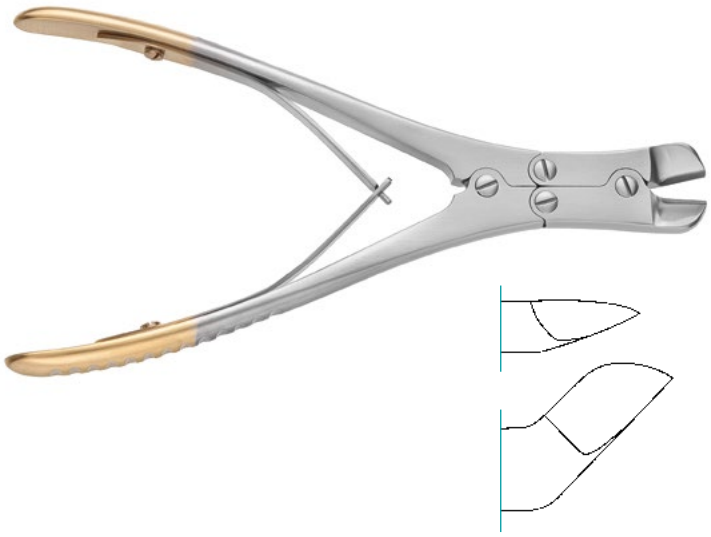
150mm, 6"	180-513-530



CUT ∅
HARD max. 0.6mm
SOFT max. 1.0mm

TC Wire Cutter

120mm, 4 3/4"	200-500-120



CUT ∅
HARD max. 1.6mm
SOFT max. 2.0mm

TC Wire Cutter, angled
170mm, $6^{2/3}$" 200-500-160

CUT ∅
HARD max. 1.8mm
SOFT max. 2.2mm

REILL
TC Wire Cutter, angled
220mm, $8^{2/3}$" 200-500-220



CUT ∅
HARD max. 2.2mm
SOFT max. 3.0mm

TC Wire Cutter, 45° angled jaw
235mm, $9^{1/4}$" 200-504-235



CUT ∅
HARD max. 2.2mm
SOFT max. 3.0mm

TC Wire Cutter, 12° angled jaw
235mm, $9^{1/4}$" 200-503-235



CUT ∅
HARD max. 2.5mm
SOFT max. 3.5mm

TC Front Wire Cutter

220mm, $8^{2/3}$"	200-506-220



CUT ∅
HARD max. 1.5mm
SOFT max. 2.0mm

TC Front and Lateral Wire Cutter

150mm, 6"	200-510-150



CUT ∅
HARD max. 1.5mm
SOFT max. 2.0mm

Wire Cutter, 180mm, 7"

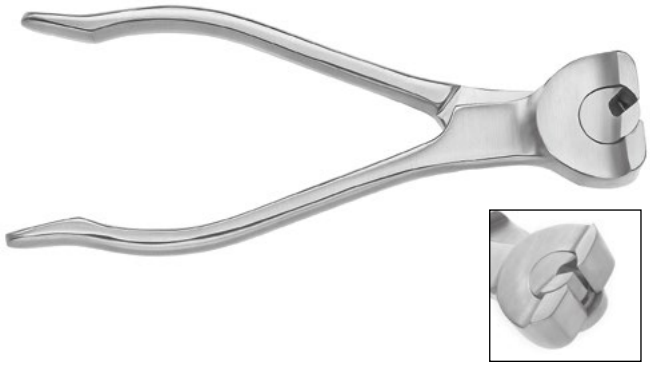
	200-502-180
TC Inserts	200-504-180



CUT ∅
HARD max. 0.7mm
SOFT max. 1.0mm

TC Wire Cutter

145mm, $5^{3/4}$"	200-510-145



CUT ∅
HARD max. 1.6mm
SOFT max. 2.0mm

Diamond Head-Wire Cutter, front action

160mm, $6^{1/4}$"	200-510-160

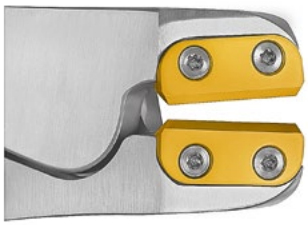


CUT ∅
HARD max. 1.6mm
SOFT max. 2.4mm

Head Cutter, cannulated

185mm, $7^{1/4}$"	200-502-185





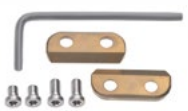


CUT ∅
HARD max. 2.2mm
SOFT max. 2.8mm

TC "Easy Cut" Wire Cutter

200mm, 8"	200-502-200







CUT ∅
HARD max. 2.2mm
SOFT max. 2.8mm

TC Wire Cutter,
exchangeable TC Blades and rubber jaw
up to ∅ 3.0mm

230mm, 9"	200-500-230

up to ∅ 4.0mm

280mm, 11"	200-502-280

TC Blades spare set

	200-502-997

Rubber jaw spare set

	200-502-998



CUT ∅
UP TO 2.2mm

TC Wire Cutter for right-hander,
exchangeable TC blades and rubber jaw

180mm, 7"	200-505-180



CUT ∅
UP TO 1.6mm

TC Front and Side Cutter,
exchangeable TC blades and rubber jaw

180mm, 7"	200-509-180



CUT ∅
HARD max. 1.6mm
SOFT max. 2.0mm

TC Flush Wire Cutter

180mm, 7"	200-508-180



CUT ∅
UP TO 3.2mm

TC Wire Cutter, double action

240mm, 9 1/2" 200-522-240



CUT ∅
UP TO 6.35mm

Pin Cutter, detachable handles

575mm, 22 1/2" 200-500-585



CUT ∅
UP TO 5.0mm

TC Pin Cutter

470mm, 18 1/2"	200-500-470



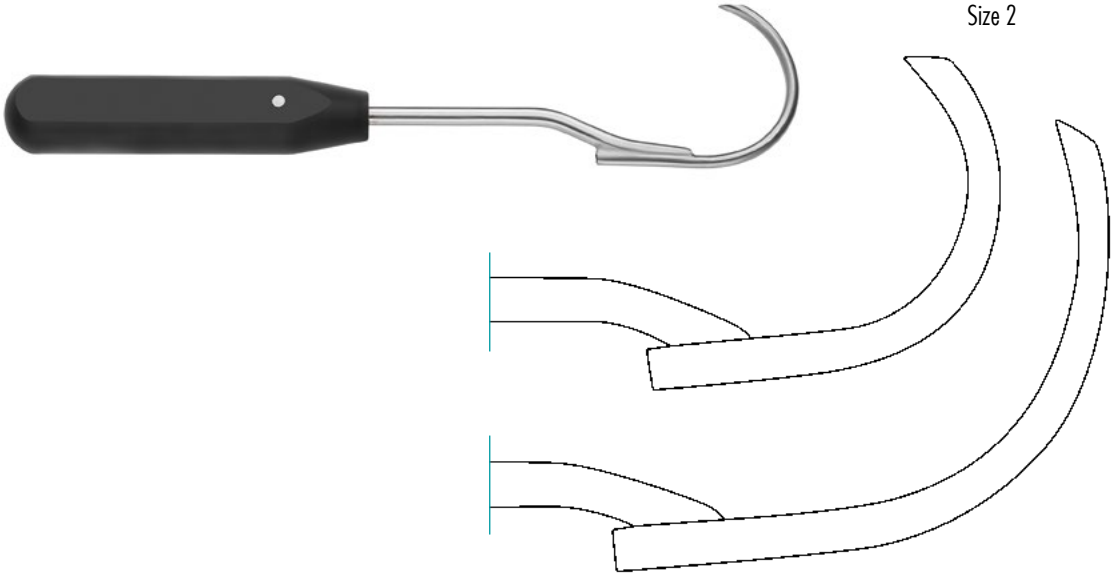
CUT ∅
UP TO 6.0mm

TC Front Cutter

380mm, 15"	200-500-380

Wire Guide, synthetic handle, 210mm, 8 1/4″

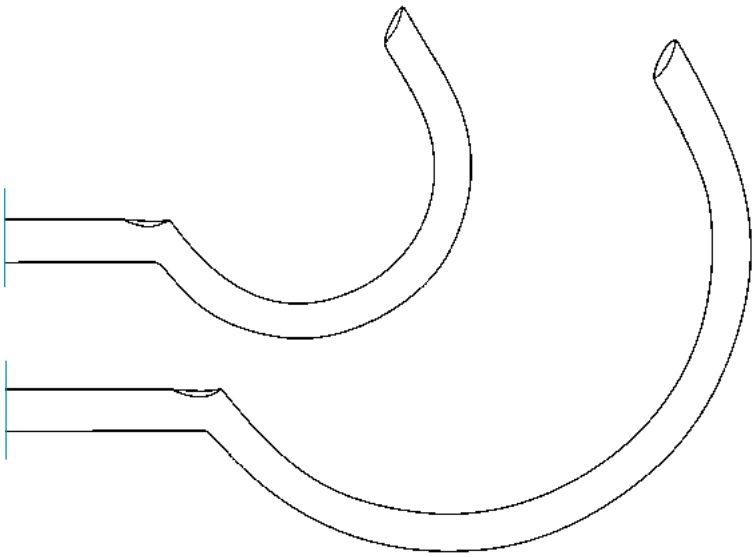
Size 1	180-751-018
Size 2	180-751-020





Bone Wire Guide, hollow, sharp

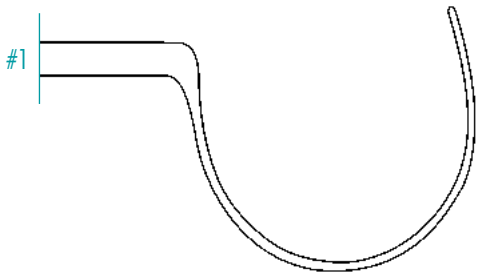
240mm, 9 1/2″	180-751-014
270mm, 10 2/3″	180-751-016

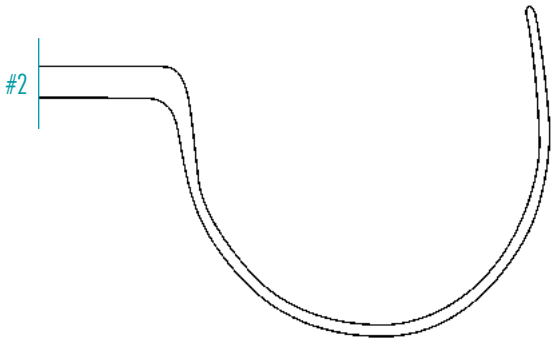


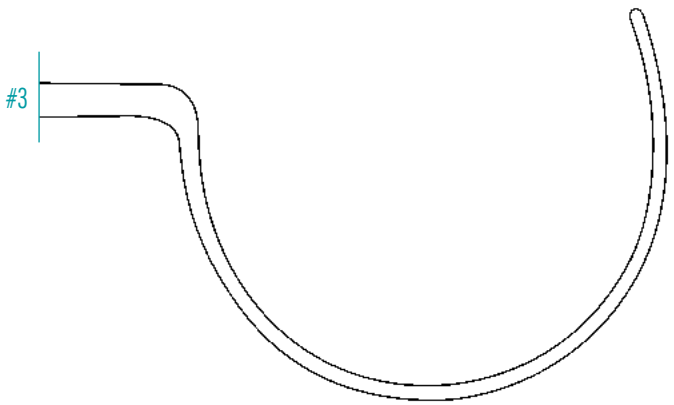
DEMEL

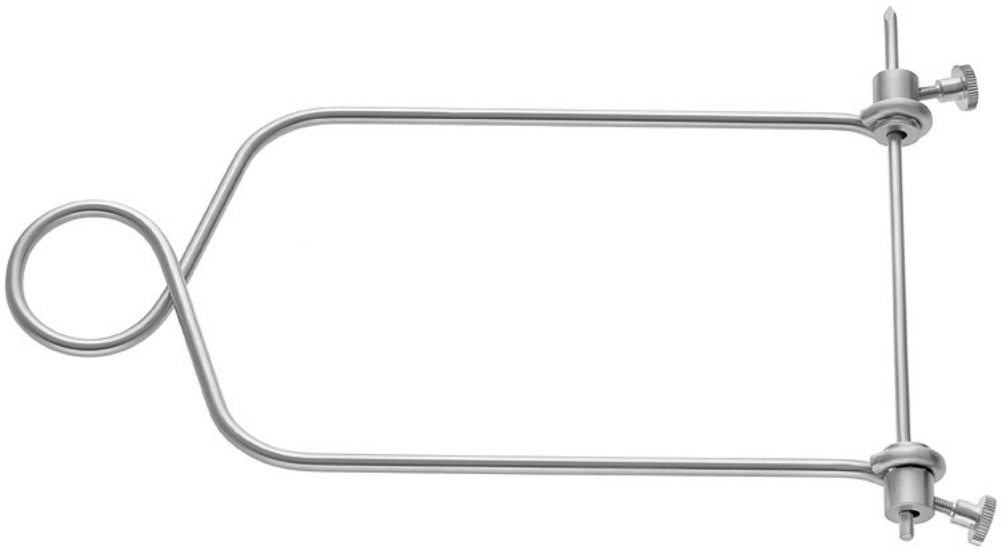
Bone Wire Guide, 280mm, 11"	
#1	180-751-001
#2	180-751-002
305mm, 12"	
#3	180-751-003











BOEHLER
Extension Bow, without pin
for 3.5 - 5.0mm Steinmann Pins

for arm		for knee and femur		for thigh and knee	
90 x 160mm	200-552-160	110 x 210mm	200-552-210	150 x 210mm	200-552-250
without pin	200-550-160	without pin	200-550-210	without pin	200-550-250



KIRSCHNER
Extension Bow

Max. opening: medium		Max. opening: large		Max. opening: extra large	
130mm, $5^{1/8}$″	200-555-180	185mm, $7^{1/4}$″	200-555-220	220mm, $8^{2/3}$″	200-555-220



KIRSCHNER
Extension Bow,
complete with 3 tracktion hooks
180 x 100mm

small pattern	200-601-140

270 x 160mm

large pattern	200-601-220



Traction Hook for Kirschner Bows
(set of 3 hooks)

large	200-560-050
small	200-560-030



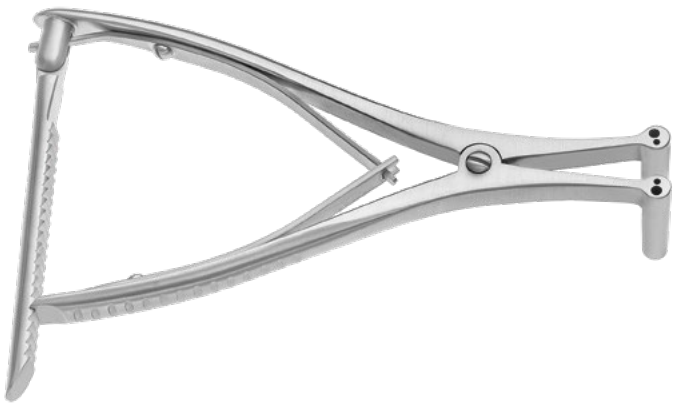
Wire Finger Grip

small	215-000-001
medium	215-000-002
large	215-000-003



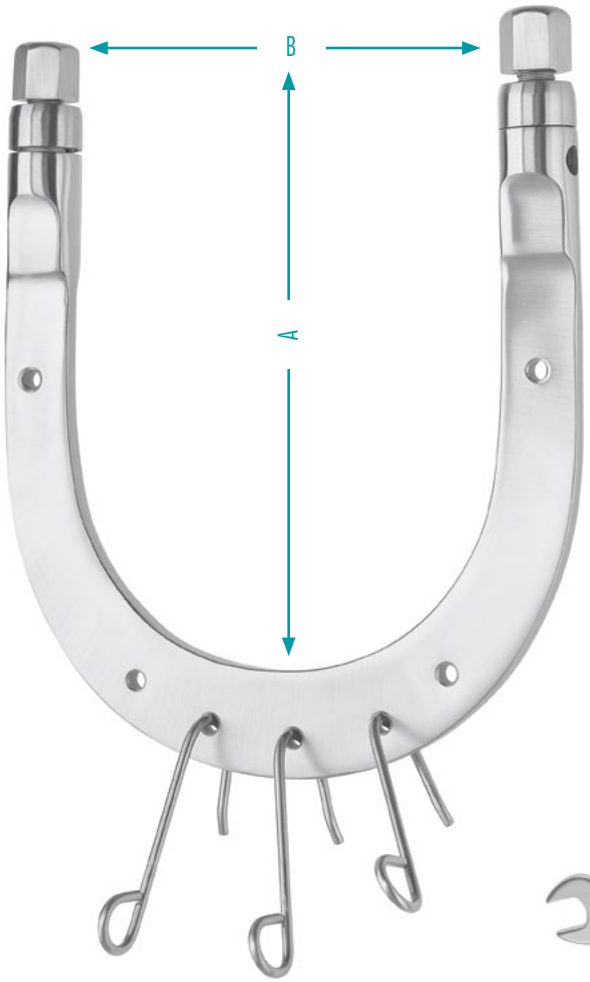
Bone Fragment Distractor,
2.5mm and 1.6mm pin holes,
outspread

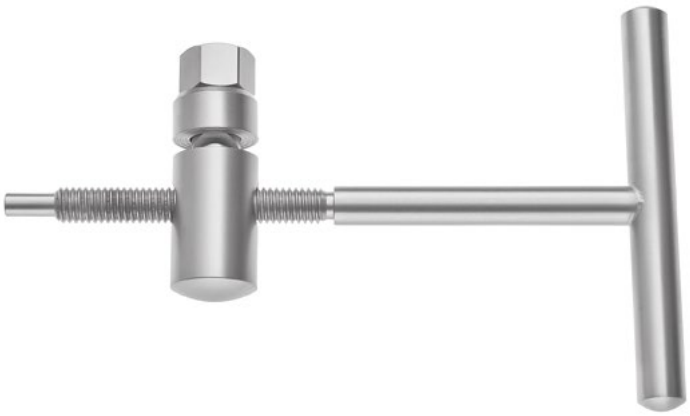
150mm, 6"	210-974-300
210mm, 8 1/4"	210-974-310



Bone Fragment Distractor,
2.5mm and 1.6mm pin holes,
closed

150mm, 6"	210-974-301
210mm, 8 1/4"	210-974-311





Wire Strainer for Kirschner Extension Bow
200-557-000



Traction Hook for Kirschner Bows
(set of 3 hooks)

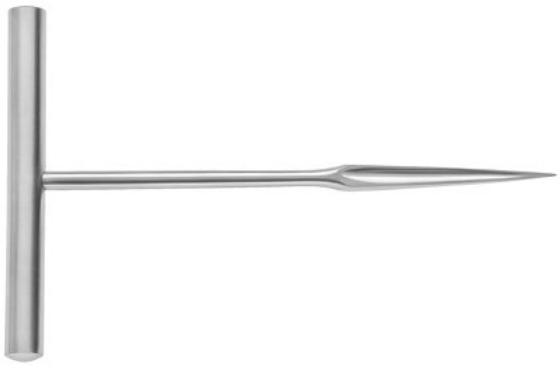
large	200-560-050
small	200-560-030



Screw Nut Wrench
200-558-000

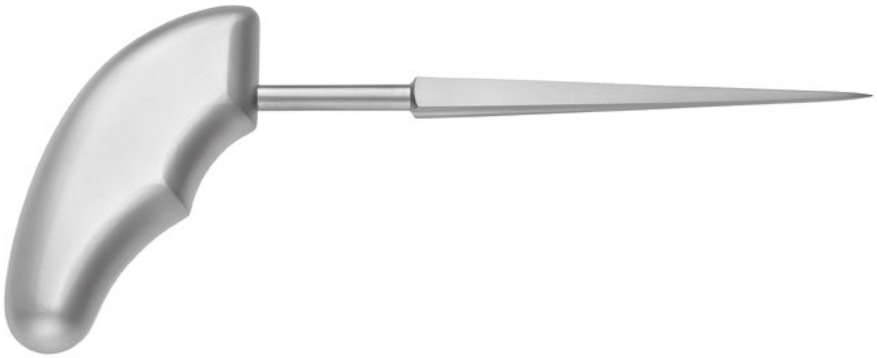
KIRSCHNER
Extension Bow,
complete with 3 tracktion hooks

B 200mm A 155mm	
for hip	200-560-200
B 120mm A 120mm	
for knee	200-560-120
B 95mm A 70mm	
for arm	200-560-070
B 155mm A 155mm	
for femur	200-560-155
B 105mm A 100mm	
for knee	200-560-105
B 60mm A 50mm	
for elbow	200-560-060
B 135mm A 130mm	
for knee	200-560-135
B 95mm A 110mm	
for heel	200-560-095



Awl with T-Handle

150mm, 6″	200-124-140



PERTHES
Reamer, square

220mm, $8^{2/3}$″	200-122-210



Reamer, ∅ 2.5 - 3.5mm

160mm, $6^{1/4}$″	200-120-140



Percussion Awl with pyramidal tip

215mm, 8 1/2"	259-258-148







Large Awl, 235mm, 9 1/4", pyramidal tip

large	259-258-145
small	259-258-144

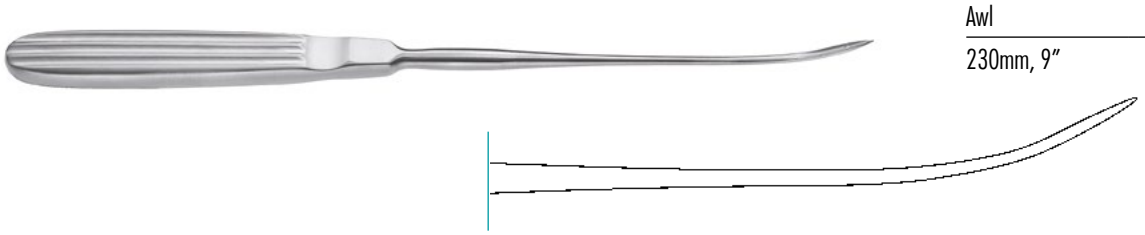
Crotched Hook Awl, 235mm, 9 1/4"

large	259-258-146
small	259-258-147



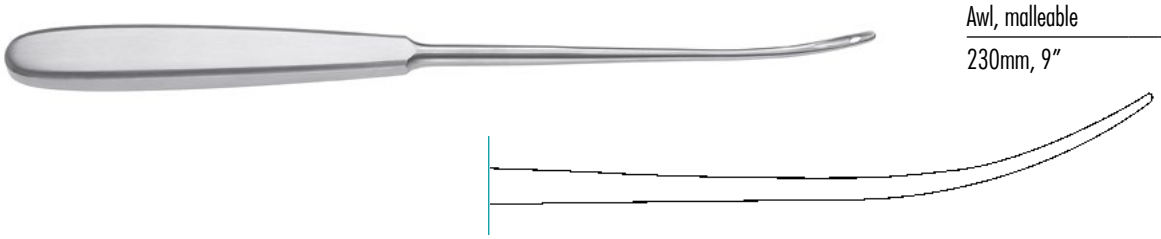
PERTHES
Bone Drill

210mm, 8 1/4"	200-160-210



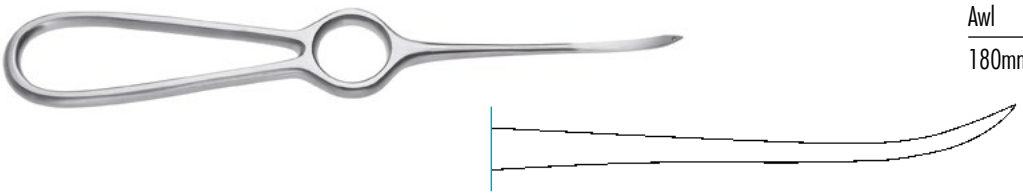
OBWEGESER
Awl

230mm, 9"	430-500-230



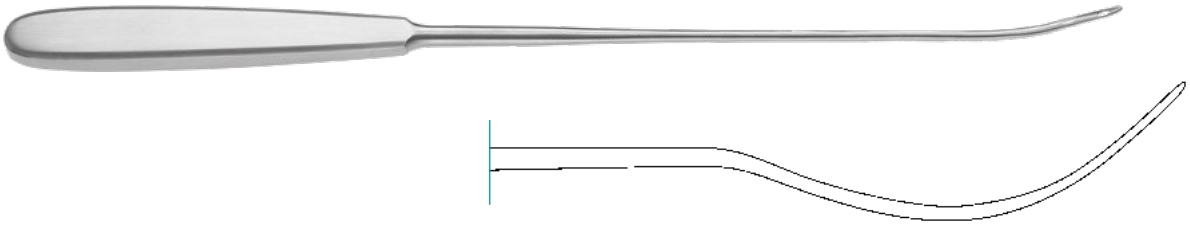
BRUNNER
Awl, malleable

230mm, 9"	200-124-230



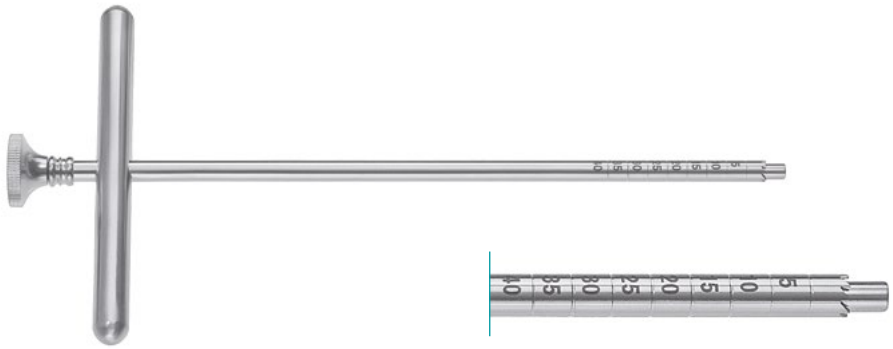
OBWEGESER
Awl

180mm, 7″	430-504-180



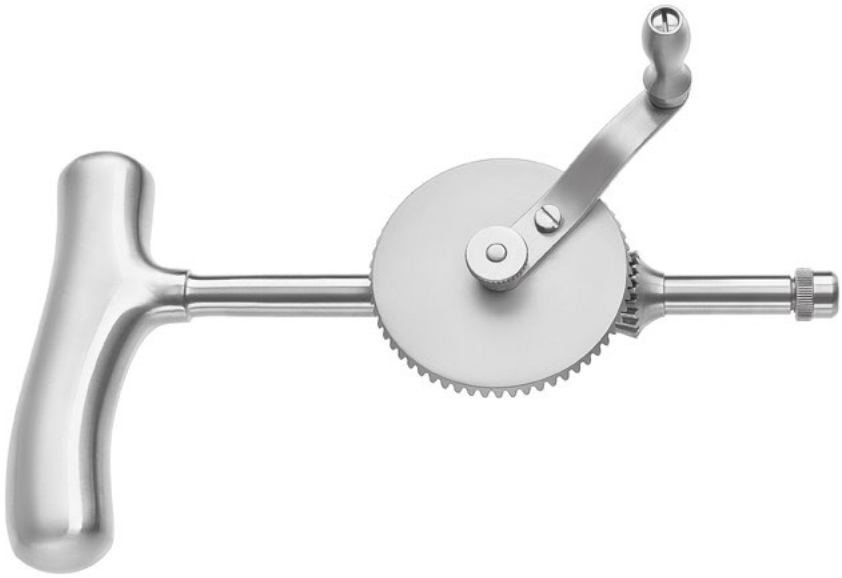
BRUNNER
Awl, curved

300mm, $11^{7/8}$″	200-122-300



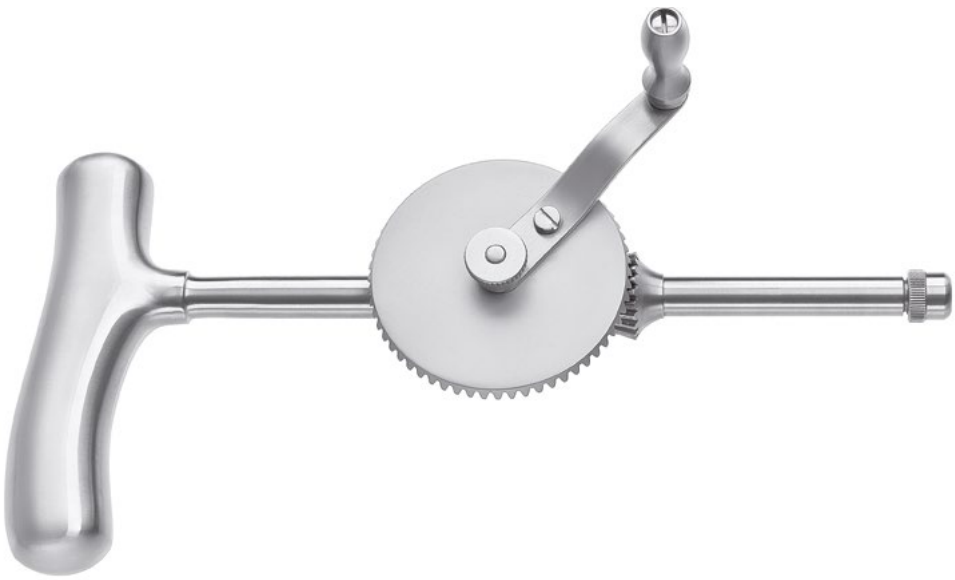
MICHELE
Trephine, 180mm, 7″

Ø 3.0mm (inside) Ø 5.0mm (outside)	210-405-180
Ø 5.0mm (inside) Ø 6.0mm (outside)	210-406-180
Ø 6.5mm (inside) Ø 8.0mm (outside)	210-408-180



STILLE
Hand Drill, complete with 4 drills & burrs
Ø 2.5 - 4.0mm

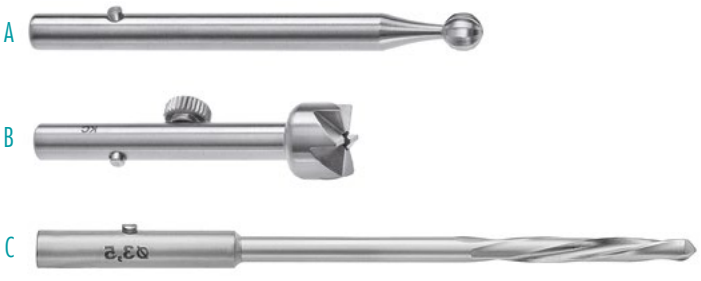
200-144-200



STILLE SHERMAN
Hand Drill, complete with 3 drills
Ø 2.5 - 3.5mm

200-140-240

Brace only 200-140-200



A Burrs, 60mm length

Ø 5.0mm	200-145-050
Ø 8.0mm	200-145-080
Ø 12.0mm	200-145-120
Ø 16.0mm	200-145-160

B Trephine

Ø 10.0mm	200-145-100

C Twist Drills

Ø 1.0mm, 56mm	200-145-010
Ø 1.5mm, 61mm	200-145-015
Ø 2.0mm, 66mm	200-145-020
Ø 2.5mm, 81mm	200-145-025
Ø 3.0mm, 81mm	200-145-030
Ø 3.5mm, 86mm	200-145-035
Ø 4.0mm, 86mm	200-145-040



BUNNELL
Hand Drill, max. shanks ∅ 4mm

160mm, 6 1/4"	200-154-160



BUNNELL
Key

	200-154-162



RALK
Hand Drill, Jacobs chuck and key
up to ∅ 4mm

	200-153-000
large	200-153-005





HUDSON
Hand Drill (tightening screw),
complete with 4 burrs and extension (A - E)

270mm, $10^{2/3}$″	200-152-000

Hand Drill only, with tightening screw

	200-150-000

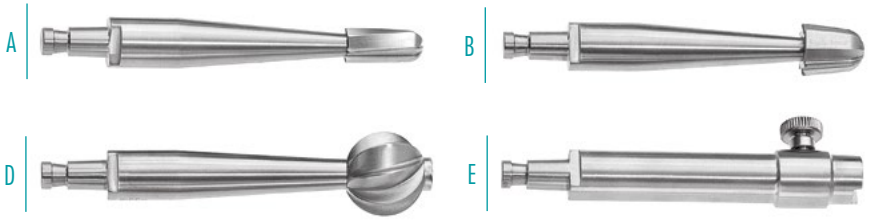


HUDSON
Hand Drill (snap lock),
complete with 4 burrs and extension (A - E)

270mm, $10^{2/3}$″	200-152-010

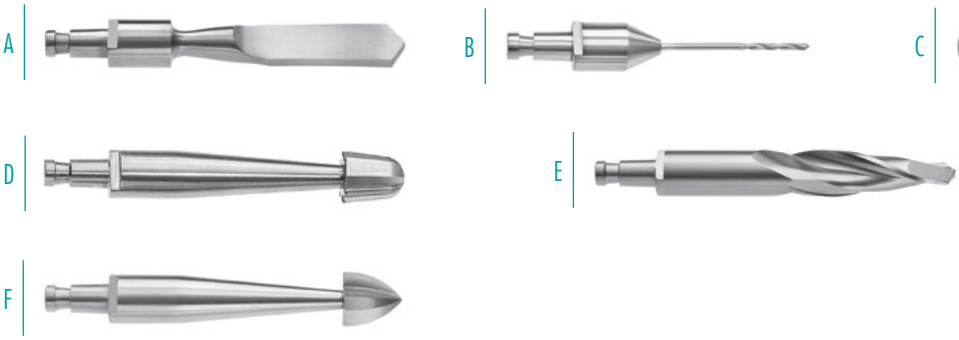
Hand Drill only, with tightening screw

	200-151-000



Burrs, 60mm

A	Ø 9.0mm	200-152-001
B	Ø 14.0mm	200-152-002
C	Ø 16.0mm	200-152-003
D	Ø 22.0mm	200-152-004
E	Extension Piece	200-152-009



A CUSHING
Flat Drill, Hudson connection

Ø 14mm, 95mm	200-152-005

D CUSHING
Round Drill, Hudson connection

Ø 15mm, 95mm	200-152-021

B ADSON
Twist Drill, Hudson connection

Ø 2.0mm, 90mm	200-152-006

E MCKENZIE
Twist Drill, Hudson connection

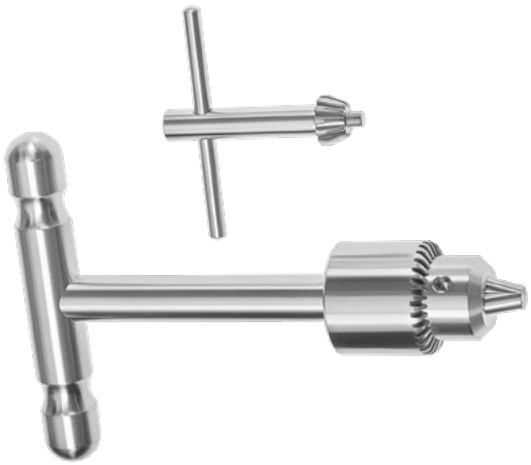
Ø 13mm, 95mm	200-152-007

C D'ERRICO
Twist Drill, Hudson connection

Ø 16mm, 95mm	200-152-008

F ADSON
Burr, Hudson connection

Ø 15mm, 95mm	200-152-012



T-Handle, incl. key

Jacob Chuck	200-157-001



T-Handle Drill, 1.0 - 6.0mm, cannulated,
Ø 5.2mm

Universal Chuck	200-157-100



T-Handle, 0.5 - 7.0mm, cannulated,
Ø 5.2mm, incl. key

Roehm Chuck	200-157-200



T-Handle, 0.5 - 4.0mm, cannulated,
∅ 5.2mm, incl. key

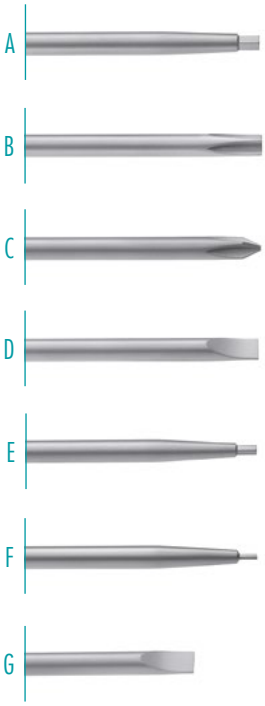
Jacobs Chuck	200-157-210



T-Handle, 1.0 - 6.0mm, cannulated,
∅ 6.1mm, reverse lock

Universal Chuck	200-157-250





A
Screw Driver, synthetic handle, hexagonal,
for 2.7 - 3.5 - 4.0mm screws

250mm, 9 7/8"	200-604-235
200mm, 8"	200-604-275

B
cross-slot, 6mm

250mm, 9 7/8"	200-601-250

C
cross-slot, 6mm, for small Philips screws

250mm, 9 7/8"	200-600-200

D
LANE
flat, 6mm, for 2.7 - 3.5 - 4.0mm screws

250mm, 9 7/8"	200-604-250

E
hexagonal, sw 2.5mm
for 2.7 - 3.5 - 4.0mm screws

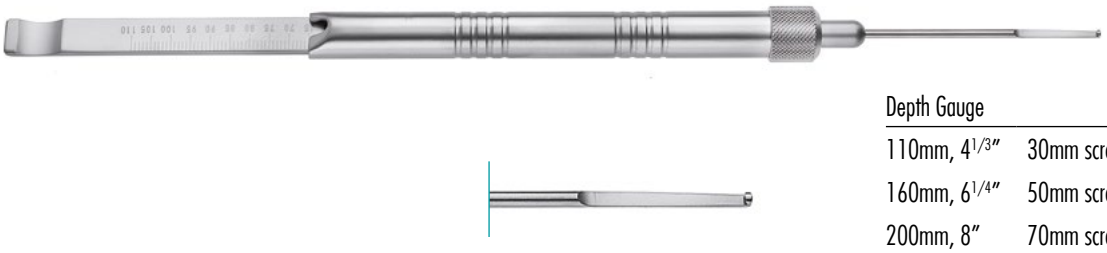
250mm, 9 7/8"	200-604-200
200mm, 8"	200-604-220

F
hexagonal, sw 1.5mm
for screw 1.5 - 2.0 - 2.4

250mm, 9 7/8"	200-608-200

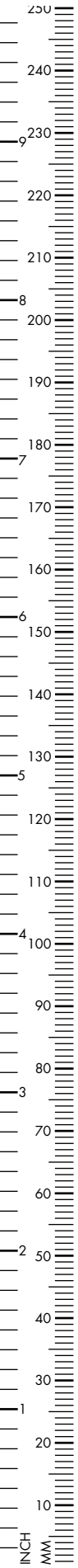
G
flat, 6mm, for 2.7 - 3.5 - 4.0mm screws

170mm, 6 2/3"	200-604-240



Depth Gauge

110mm, 4 1/3"	30mm screw	200-200-014
160mm, 6 1/4"	50mm screw	200-200-016
200mm, 8"	70mm screw	200-200-018
200mm, 8"	80mm screw	200-200-080
280mm, 11"	120mm screw	200-200-120





Ruler, mm and inch markings

150mm, 6″	100-418-150
200mm, 8″	100-418-200
300mm, 11 7/8″	100-418-300
500mm, 19 2/3″	100-418-500



Ruler, with holes for wires and pins

150mm, 6″	100-422-150



Tape Measure, cm/inch, oil cloth

1500mm, 59″	100-425-150

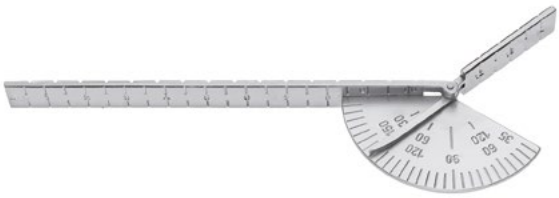


CASTROVIEJO
Caliper, measuring range 0 - 20mm
locking screw

80mm, 3 1/8"	400-583-007

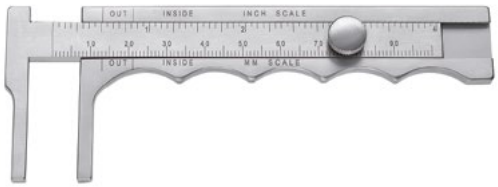
Caliper, measuring range 0 - 40mm

180mm, 7"	400-583-008



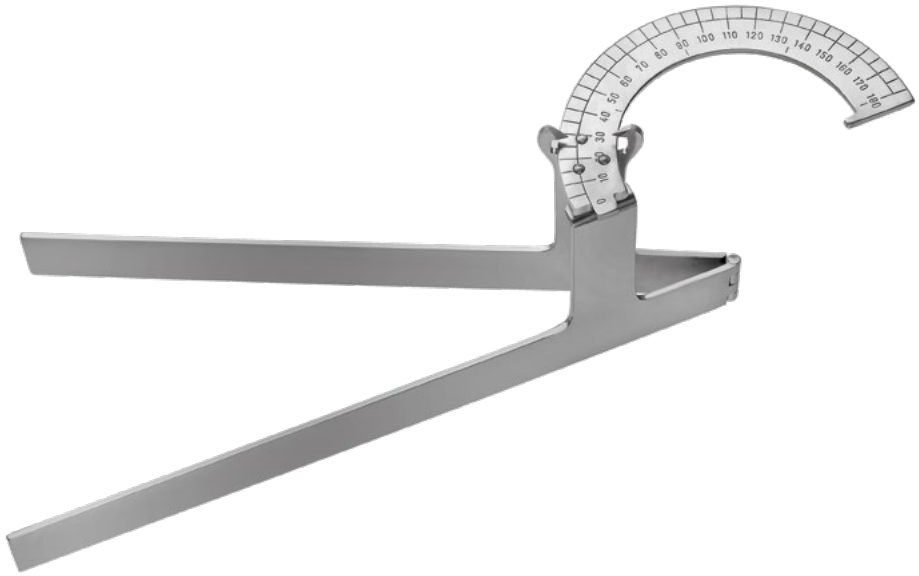
CARROLL
Finger Goniometer

140mm, 5 1/2"	100-150-000



TOWNLEY
Caliper, 0 - 100mm

100mm, 4"	100-152-000



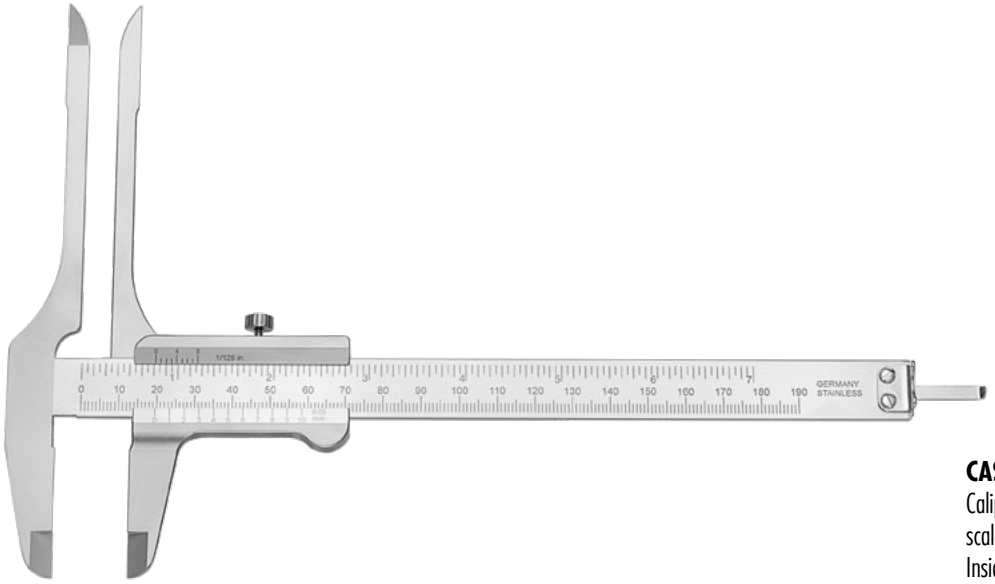
MOELTGEN
Goniometer
100-412-000



Bone Caliper, angled, blunt, 140mm opening
180mm, 7" 200-200-170



Bone Caliper, straight, pointed
115mm opening
200-200-200



CASPAR
Caliper for measuring bone craft
scale: mm, max. 180mm
Inside and outside measuring, faces & depth

259-185-885



Neuro-Caliper, 150mm range

211-550-235



COLLIN
Amputating Knife

130mm, 5 1/8″	110-014-013
160mm, 6 1/4″	110-014-016
190mm, 7 1/2″	110-014-019
220mm, 8 2/3″	110-014-022
280mm, 11″	110-014-028



CATLIN
Amputating Knife, double cutting

160mm, 6 1/4″	110-018-016
190mm, 7 1/2″	110-018-019
220mm, 8 2/3″	110-018-022



LANGENBECK
Resection Knife, 55mm blade

180mm, 7″	110-028-055



HELFERICH BIER
Amputation Saw

390mm, 15 1/2"	200-103-390

Spare Blade

4mm	200-103-394
6mm	200-103-396
8mm	200-103-398



CHARRIÈRE
Amputation Saw

270mm, 10 2/3"	200-112-270
300mm, 11 7/8	200-112-300



LANGENBECK
Metacarpal Saw

230mm, 9"	200-110-230



SATTERLEE
Amputation Saw

310mm, 12 1/4"	200-114-310

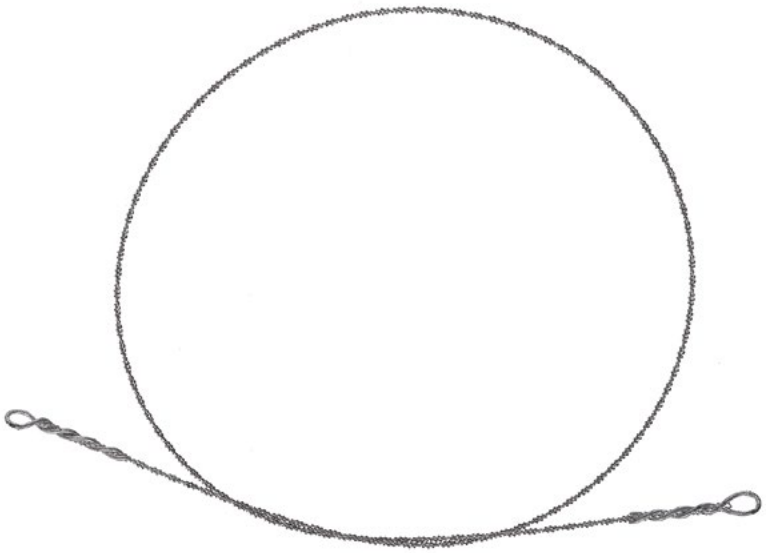


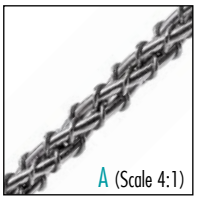
CHARRIÈRE
Amputation Saw

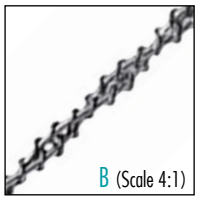
350mm, 14"	200-101-350

Spare Blade

12mm	200-101-012
15mm	200-101-015







OLIVECRONA
A Wire Saw, ∅ 1.2mm

250mm, 9 7/8"	290-100-250
300mm, 11 7/8"	290-100-300
400mm, 16"	290-100-400
500mm, 20"	290-100-500
600mm, 23 3/4"	290-100-600
700mm, 28"	290-100-700
760mm, 30"	290-100-760

GIGLI
B Wire Saw, ∅ 1.4mm

300mm, 11 7/8"	290-101-300
400mm, 16"	290-101-400
500mm, 20"	290-101-500
600mm, 23 3/4"	290-101-600
700mm, 28"	290-101-700



GIGLI
Handle for Wire Saw, 2 pcs.
290-102-000



GIGLI
Handle, loop design, for Wire Saws
290-103-000



DEMARTEL
Saw Conductor

305mm, 12"	290-118-305
330mm, 13"	290-118-330



BAILEY
Saw Conductor, 305mm, 12"

curved	290-118-300
straight	290-118-301



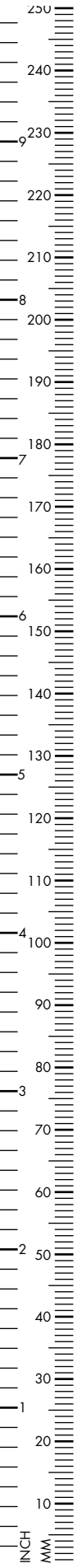
PERCY
Retractor for amputation,
removable handles

200-100-000



SWEET
Amputation Shield

200-100-002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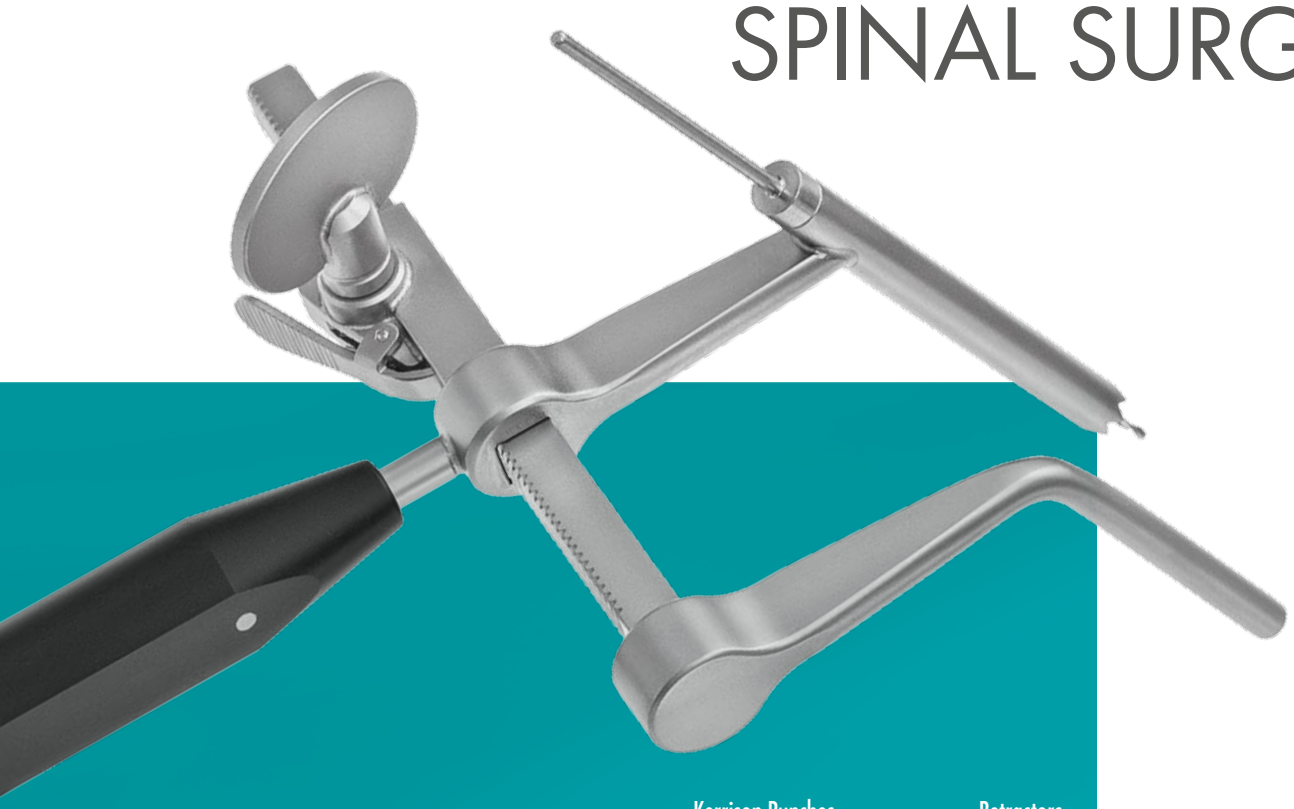
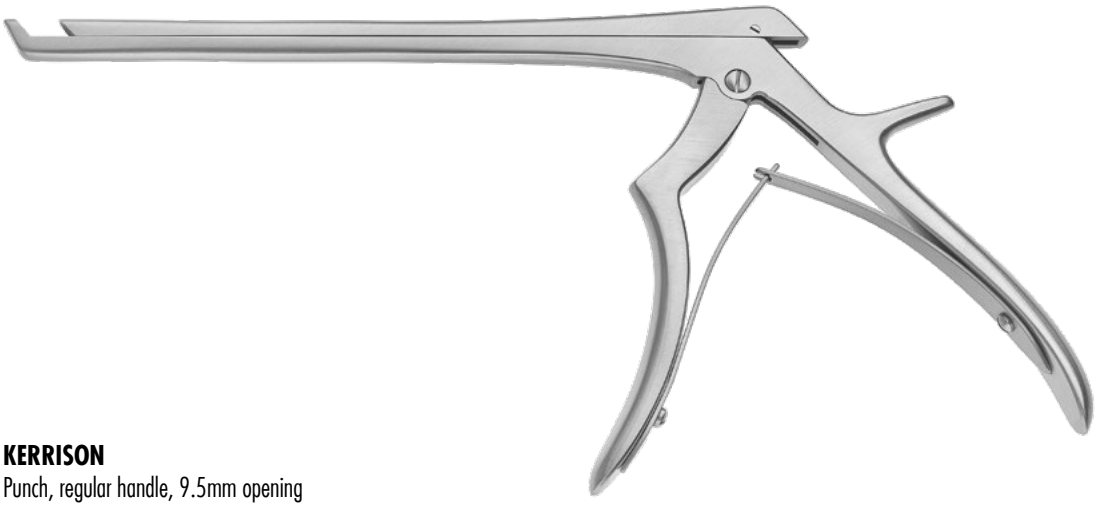
NEURO & SPINAL SURGERY



- Kerrison Punches
- Rongeurs
- Micro Instruments
- Hooks
- Elevators / Dissectors
- Raspatories / Knifes
- Micro Dissectors
- Head Surgery
- Periosteal Elevators
- Retractors
- Curettes
- Chisels
- Mallets
- Spinal Retractors
- Drills
- Scalp Clips
- Suction Tubes
- Percussion Mallets



KERRISON
Punch, regular handle, 9.5mm opening



40° upwards cutting
180mm, 7"

1mm	250-400-181
2mm	250-400-182
3mm	250-400-183
4mm	250-400-184
5mm	250-400-185
6mm	250-400-186
200mm, 8"	
1mm	250-400-201
2mm	250-400-202
3mm	250-400-203
4mm	250-400-204
5mm	250-400-205
6mm	250-400-206
230mm, 9"	
1mm	250-400-231
2mm	250-400-232
3mm	250-400-233
4mm	250-400-234
5mm	250-400-235
6mm	250-400-236



90° upwards cutting
180mm, 7"

1mm	250-410-181
2mm	250-410-182
3mm	250-410-183
4mm	250-410-184
5mm	250-410-185
6mm	250-410-186
200mm, 8"	
1mm	250-410-201
2mm	250-410-202
3mm	250-410-203
4mm	250-410-204
5mm	250-410-205
6mm	250-410-206
230mm, 9"	
1mm	250-410-231
2mm	250-410-232
3mm	250-410-233
4mm	250-410-234
5mm	250-410-235
6mm	250-410-236



40° downwards cutting
180mm, 7"

1mm	250-420-181
2mm	250-420-182
3mm	250-420-183
4mm	250-420-184
5mm	250-420-185
6mm	250-420-186
200mm, 8"	
1mm	250-420-201
2mm	250-420-202
3mm	250-420-203
4mm	250-420-204
5mm	250-420-205
6mm	250-420-206
230mm, 9"	
1mm	250-420-231
2mm	250-420-232
3mm	250-420-233
4mm	250-420-234
5mm	250-420-235
6mm	250-420-236



90° downwards cutting
180mm, 7"

1mm	250-430-181
2mm	250-430-182
3mm	250-430-183
4mm	250-430-184
5mm	250-430-185
6mm	250-430-186
200mm, 8"	
1mm	250-430-201
2mm	250-430-202
3mm	250-430-203
4mm	250-430-204
5mm	250-430-205
6mm	250-430-206
230mm, 9"	
1mm	250-430-231
2mm	250-430-232
3mm	250-430-233
4mm	250-430-234
5mm	250-430-235
6mm	250-430-236

All Kerrison instruments are available with CERACUT® coating. Code number + CC (e.g. 250-400-181CC)



KERRISON
Punch, large handle,
15.5mm opening

40° upwards cutting 180mm, 7″	
1mm	250-450-181
2mm	250-450-182
3mm	250-450-183
4mm	250-450-184
5mm	250-450-185
6mm	250-450-186
200mm, 8″	
1mm	250-450-201
2mm	250-450-202
3mm	250-450-203
4mm	250-450-204
5mm	250-450-205
6mm	250-450-206
230mm, 9″	
1mm	250-450-231
2mm	250-450-232
3mm	250-450-233
4mm	250-450-234
5mm	250-450-235
6mm	250-450-236

90° upwards cutting 180mm, 7″	
1mm	250-460-181
2mm	250-460-182
3mm	250-460-183
4mm	250-460-184
5mm	250-460-185
6mm	250-460-186
200mm, 8″	
1mm	250-460-201
2mm	250-460-202
3mm	250-460-203
4mm	250-460-204
5mm	250-460-205
6mm	250-460-206
230mm, 9″	
1mm	250-460-231
2mm	250-460-232
3mm	250-460-233
4mm	250-460-234
5mm	250-460-235
6mm	250-460-236

40° downwards cutting 180mm, 7″	
1mm	250-470-181
2mm	250-470-182
3mm	250-470-183
4mm	250-470-184
5mm	250-470-185
6mm	250-470-186
200mm, 8″	
1mm	250-470-201
2mm	250-470-202
3mm	250-470-203
4mm	250-470-204
5mm	250-470-205
6mm	250-470-206
230mm, 9″	
1mm	250-470-231
2mm	250-470-232
3mm	250-470-233
4mm	250-470-234
5mm	250-470-235
6mm	250-470-236

90° downwards cutting 180mm, 7″	
1mm	250-480-181
2mm	250-480-182
3mm	250-480-183
4mm	250-480-184
5mm	250-480-185
6mm	250-480-186
200mm, 8″	
1mm	250-480-201
2mm	250-480-202
3mm	250-480-203
4mm	250-480-204
5mm	250-480-205
6mm	250-480-206
230mm, 9″	
1mm	250-480-231
2mm	250-480-232
3mm	250-480-233
4mm	250-480-234
5mm	250-480-235
6mm	250-480-236

All Kerrison instruments are available with CERACUT® coating. Code number + CC (e.g. 250-400-181CC)




regular footplate


thin footplate

KERRISON
Punch, regular handle, thin footplate, 9.5mm opening

40° upwards cutting 180mm, 7"	
1mm	250-401-181
2mm	250-401-182
3mm	250-401-183
4mm	250-401-184
5mm	250-401-185
200mm, 8"	
1mm	250-401-201
2mm	250-401-202
3mm	250-401-203
4mm	250-401-204
5mm	250-401-205
230mm, 9"	
1mm	250-401-231
2mm	250-401-232
3mm	250-401-233
4mm	250-401-234
5mm	250-401-235

90° upwards cutting 180mm, 7"	
1mm	250-411-181
2mm	250-411-182
3mm	250-411-183
4mm	250-411-184
5mm	250-411-185
200mm, 8"	
1mm	250-411-201
2mm	250-411-202
3mm	250-411-203
4mm	250-411-204
5mm	250-411-205
230mm, 9"	
1mm	250-411-231
2mm	250-411-231
3mm	250-411-231
4mm	250-411-231
5mm	250-411-231

40° downwards cutting 180mm, 7"	
1mm	250-421-181
2mm	250-421-182
3mm	250-421-183
4mm	250-421-184
5mm	250-421-185
200mm, 8"	
1mm	250-421-201
2mm	250-421-202
3mm	250-421-203
4mm	250-421-204
5mm	250-421-205
230mm, 9"	
1mm	250-421-231
2mm	250-421-231
3mm	250-421-231
4mm	250-421-231
5mm	250-421-231

90° downwards cutting 180mm, 7"	
1mm	250-431-181
2mm	250-431-182
3mm	250-431-183
4mm	250-431-184
5mm	250-431-185
200mm, 8"	
1mm	250-431-201
2mm	250-431-202
3mm	250-431-203
4mm	250-431-204
5mm	250-431-205
230mm, 9"	
1mm	250-431-231
2mm	250-431-231
3mm	250-431-231
4mm	250-431-231
5mm	250-431-231

All Kerrison instruments are available with CERACUT® coating. Code number + CC (e.g. 250-400-181CC)



KERRISON
Punch, regular handle, superflat footplate



180mm, 7"
40° upwards cutting

1mm	250-400-181SF
1.5mm	250-400-189SF
2mm	250-400-182SF
3mm	250-400-183SF
4mm	250-400-184SF
5mm	250-400-185SF
6mm	250-400-186SF

200mm, 8"

1mm	250-400-201SF
1.5mm	250-400-209SF
2mm	250-400-202SF
3mm	250-400-203SF
4mm	250-400-204SF
5mm	250-400-205SF
6mm	250-400-206SF

230mm, 9"

1mm	250-400-231SF
1.5mm	250-400-239SF
2mm	250-400-232SF
3mm	250-400-233SF
4mm	250-400-234SF
5mm	250-400-235SF
6mm	250-400-236SF



180mm, 7"
40° upwards cutting,
standard ejector

2mm	250-400-182ESF
3mm	250-400-183ESF
4mm	250-400-184ESF
5mm	250-400-185ESF
6mm	250-400-186ESF

200mm, 8"

2mm	250-400-202ESF
3mm	250-400-203ESF
4mm	250-400-204ESF
5mm	250-400-205ESF
6mm	250-400-206ESF

230mm, 9"

2mm	250-400-232ESF
3mm	250-400-233ESF
4mm	250-400-234ESF
5mm	250-400-235ESF
6mm	250-400-236ESF



180mm, 7"
40° upwards cutting, CERA-CUT®

1mm	250-400-181SFCC
2mm	250-400-182SFCC
3mm	250-400-183SFCC
4mm	250-400-184SFCC
5mm	250-400-185SFCC
6mm	250-400-186SFCC

200mm, 8"

1mm	250-400-201SFCC
2mm	250-400-202SFCC
3mm	250-400-203SFCC
4mm	250-400-204SFCC
5mm	250-400-205SFCC
6mm	250-400-206SFCC

230mm, 9"

1mm	250-400-231SFCC
2mm	250-400-232SFCC
3mm	250-400-233SFCC
4mm	250-400-234SFCC
5mm	250-400-235SFCC
6mm	250-400-236SFCC

All Kerrison instruments are available with CERACUT® coating. Code number + CC (e.g. 250-400-181CC)



KERRISON
Punch, regular handle, superflat footplate



180mm, 7"
90° upwards cutting

1mm	250-411-181SF
2mm	250-411-182SF
3mm	250-411-183SF
4mm	250-411-184SF
5mm	250-411-185SF
6mm	250-411-186SF

200mm, 8"

1mm	250-411-201SF
2mm	250-411-202SF
3mm	250-411-203SF
4mm	250-411-204SF
5mm	250-411-205SF
6mm	250-411-206SF

230mm, 9"

1mm	250-411-231SF
2mm	250-411-232SF
3mm	250-411-233SF
4mm	250-411-234SF
5mm	250-411-235SF
6mm	250-411-236SF



180mm, 7"
90° upwards cutting,
standard ejector

2mm	250-411-182ESF
3mm	250-411-183ESF
4mm	250-411-184ESF
5mm	250-411-185ESF
6mm	250-411-186ESF

200mm, 8"

2mm	250-411-202ESF
3mm	250-411-203ESF
4mm	250-411-204ESF
5mm	250-411-205ESF
6mm	250-411-206ESF

230mm, 9"

2mm	250-411-232ESF
3mm	250-411-233ESF
4mm	250-411-234ESF
5mm	250-411-235ESF
6mm	250-411-236ESF



180mm, 7"
90° upwards cutting, CERA-CUT®

1mm	250-411-181SFCC
2mm	250-411-182SFCC
3mm	250-411-183SFCC
4mm	250-411-184SFCC
5mm	250-411-185SFCC
6mm	250-411-186SFCC

200mm, 8"

1mm	250-411-201SFCC
2mm	250-411-202SFCC
3mm	250-411-203SFCC
4mm	250-411-204SFCC
5mm	250-411-205SFCC
6mm	250-411-206SFCC

230mm, 9"

1mm	250-411-231SFCC
2mm	250-411-232SFCC
3mm	250-411-233SFCC
4mm	250-411-234SFCC
5mm	250-411-235SFCC
6mm	250-411-236SFCC

All Kerrison instruments are available with CERACUT® coating. Code number + CC (e.g. 250-400-181CC)



KERRISON
Long Anterior Punch, regular handle,
9.5mm opening,
40° upwards cutting

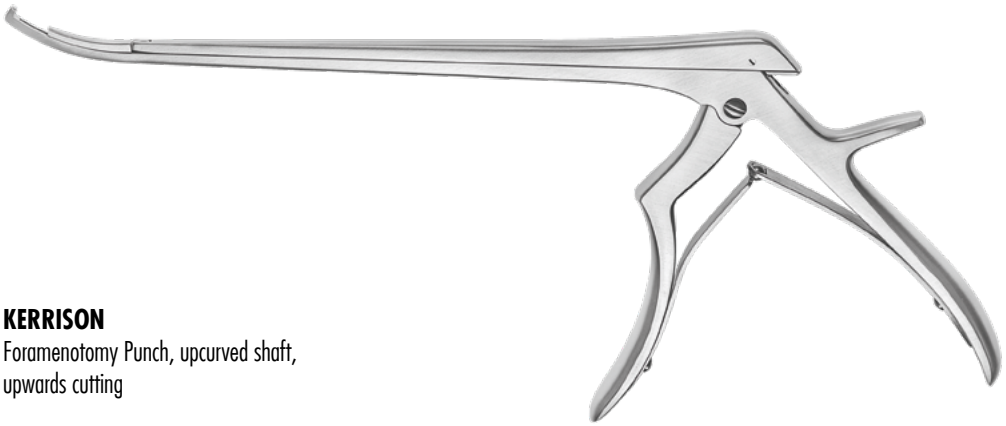
250mm, 9 7/8"	
2mm	250-400-252
3mm	250-400-253
4mm	250-400-254
5mm	250-400-255
6mm	250-400-256

280mm, 11"	
2mm	250-400-282
3mm	250-400-283
4mm	250-400-284
5mm	250-400-285
6mm	250-400-286

15.5mm opening,
40° upwards cutting

250mm, 9 7/8"	
2mm	250-450-252
3mm	250-450-253
4mm	250-450-254
5mm	250-450-255
6mm	250-450-256

280mm, 11"	
2mm	250-450-282
3mm	250-450-283
4mm	250-450-284
5mm	250-450-285
6mm	250-450-286

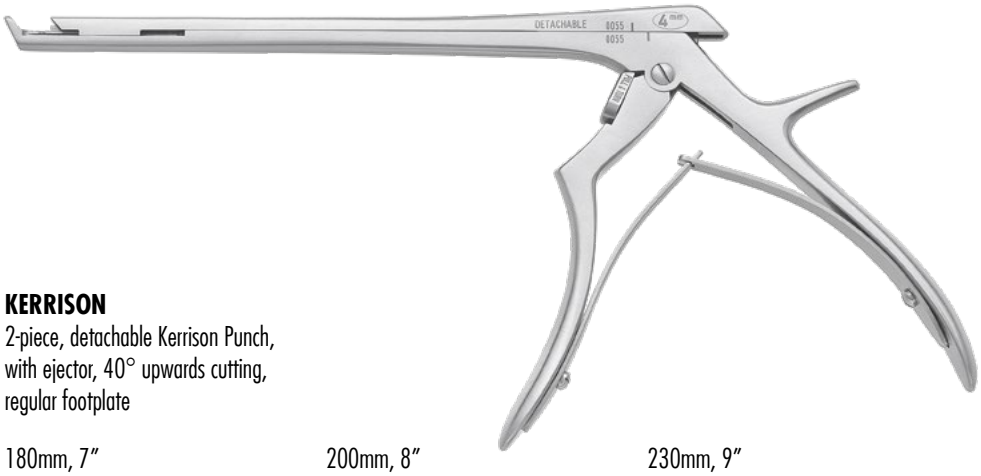


KERRISON
Foramenotomy Punch, upcurved shaft,
upwards cutting

180mm, 7"	
2mm	210-728-002
3mm	210-728-003
4mm	210-728-004

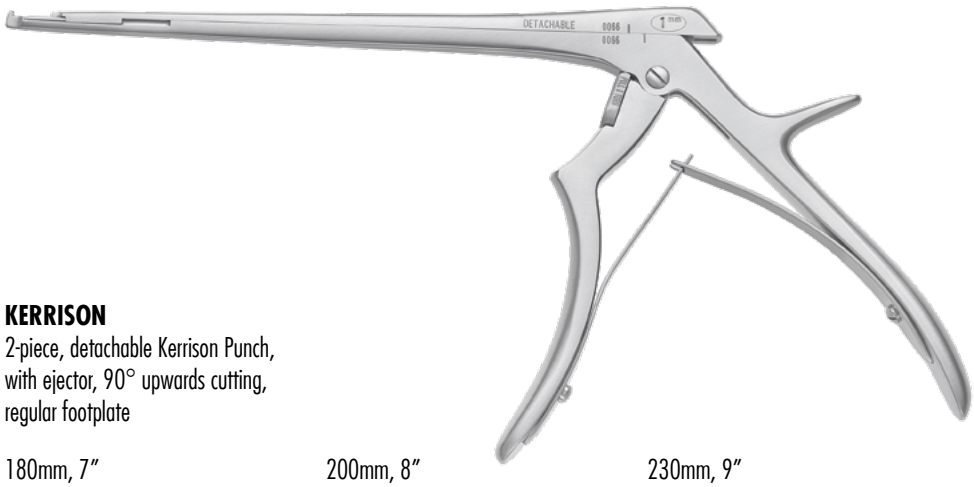
200mm, 8"	
2mm	210-728-102
3mm	210-728-103
4mm	210-728-104

All Kerrison instruments are available with CERACUT® coating. Code number + CC (e.g. 250-400-181CC)



KERRISON
2-piece, detachable Kerrison Punch, with ejector, 40° upwards cutting, regular footplate

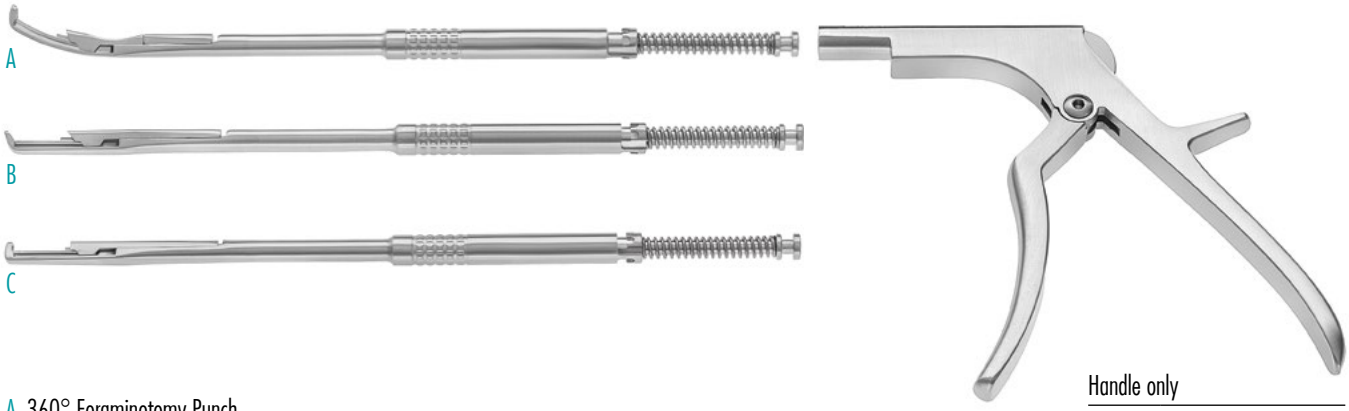
180mm, 7"		200mm, 8"		230mm, 9"	
1mm	250-500-181	1mm	250-500-201	1mm	250-500-231
2mm	250-500-182	2mm	250-500-202	2mm	250-500-232
3mm	250-500-183	3mm	250-500-203	3mm	250-500-233
4mm	250-500-184	4mm	250-500-204	4mm	250-500-234
5mm	250-500-185	5mm	250-500-205	5mm	250-500-235
6mm	250-500-186	6mm	250-500-206	6mm	250-500-236
thin footplate 180mm, 7"		thin footplate 200mm, 8"		thin footplate 230mm, 9"	
1mm	250-510-181	1mm	250-510-201	1mm	250-510-231
2mm	250-510-182	2mm	250-510-202	2mm	250-510-232
3mm	250-510-183	3mm	250-510-203	3mm	250-510-233
4mm	250-510-184	4mm	250-510-204	4mm	250-510-234



KERRISON
2-piece, detachable Kerrison Punch, with ejector, 90° upwards cutting, regular footplate

180mm, 7"		200mm, 8"		230mm, 9"	
1mm	250-590-181	1mm	250-590-201	1mm	250-590-231
2mm	250-590-182	2mm	250-590-202	2mm	250-590-232
3mm	250-590-183	3mm	250-590-203	3mm	250-590-233
4mm	250-590-184	4mm	250-590-204	4mm	250-590-234
5mm	250-590-185	5mm	250-590-205	5mm	250-590-235
6mm	250-590-186	6mm	250-590-206	6mm	250-590-236

All Kerrison instruments are available with CERACUT® coating. Code number + CC (e.g. 250-400-181CC)



Handle only

250-245-000

A 360° Foraminotomy Punch
exchangeable shaft, ejector, thin footplate
40° angled

180mm, 7″		200mm, 8″		230mm, 9″		250mm, 9 7/8″	
2mm	250-280-182	2mm	250-280-202	2mm	250-280-232	2mm	250-280-252
3mm	250-280-183	3mm	250-280-203	3mm	250-280-233	3mm	250-280-253
4mm	250-280-184	4mm	250-280-204	4mm	250-280-234	4mm	250-280-254
5mm	250-280-185	5mm	250-280-205	5mm	250-280-235	5mm	250-280-255

B 360° Laminectomy Punch
exchangeable shaft, ejector, thin footplate
40° angled

180mm, 7″		200mm, 8″		230mm, 9″		250mm, 9 7/8″	
1mm	250-210-181	1mm	250-210-201	1mm	250-210-231	1mm	250-210-251
1.5mm	250-210-180	1.5mm	250-210-200	2mm	250-210-232	2mm	250-210-252
2mm	250-210-182	2mm	250-210-202	3mm	250-210-233	3mm	250-210-253
3mm	250-210-138	3mm	250-210-203	4mm	250-210-234	4mm	250-210-254
4mm	250-210-183	4mm	250-210-204	5mm	250-210-235	5mm	250-210-255
5mm	250-210-185	5mm	250-210-205				

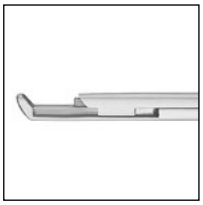
C 360° Laminectomy Punch
exchangeable shaft, ejector, thin footplate
90° angled

180mm, 7″		200mm, 8″		230mm, 9″		250mm, 9 7/8″	
1mm	250-245-181	1mm	250-245-201	1mm	250-245-231	1mm	250-245-251
1.5mm	250-245-180	1.5mm	250-245-200	2mm	250-245-232	2mm	250-245-252
2mm	250-245-182	2mm	250-245-202	3mm	250-245-233	3mm	250-245-253
3mm	250-245-183	3mm	250-245-203	4mm	250-245-234	4mm	250-245-254
4mm	250-245-184	4mm	250-245-204	5mm	250-245-235	5mm	250-245-255
5mm	250-245-185	5mm	250-245-205				

All Kerrison instruments are available with CERACUT® coating. Code number + CC (e.g. 250-400-181CC)



KERRISON
Kerrison Swivel Punch
2-piece detachable punch



Regular footplate
40° upwards cutting

180mm, 7"	
1mm	250-600-181
2mm	250-600-182
3mm	250-600-183
4mm	250-600-184
5mm	250-600-185
6mm	250-600-186

200mm, 8"	
1mm	250-600-201
2mm	250-600-202
3mm	250-600-203
4mm	250-600-204
5mm	250-600-205
6mm	250-600-206

230mm, 9"	
1mm	250-600-231
2mm	250-600-232
3mm	250-600-233
4mm	250-600-234
5mm	250-600-235
6mm	250-600-236



Regular footplate
90° upwards cutting

180mm, 7"	
1mm	250-640-181
2mm	250-640-182
3mm	250-640-183
4mm	250-640-184
5mm	250-640-185
6mm	250-640-186

200mm, 8"	
1mm	250-640-201
2mm	250-640-202
3mm	250-640-203
4mm	250-640-204
5mm	250-640-205
6mm	250-640-206

230mm, 9"	
1mm	250-640-231
2mm	250-640-232
3mm	250-640-233
4mm	250-640-234
5mm	250-640-235
6mm	250-640-236



Regular footplate
40° downwards cutting

180mm, 7"	
1mm	250-630-181
2mm	250-630-182
3mm	250-630-183
4mm	250-630-184
5mm	250-630-185
6mm	250-630-186

200mm, 8"	
1mm	250-630-201
2mm	250-630-202
3mm	250-630-203
4mm	250-630-204
5mm	250-630-205
6mm	250-630-206

230mm, 9"	
1mm	250-630-231
2mm	250-630-232
3mm	250-630-233
4mm	250-630-234
5mm	250-630-235
6mm	250-630-236

All instruments are available with CERACUT® coating. Code number + CC (e.g. 250-600-181CC)



KERRISON
Kerrison Swivel Punch
2-piece detachable punch



Regular footplate
90° downwards cutting

180mm, 7"	
1mm	250-660-181
2mm	250-660-182
3mm	250-660-183
4mm	250-660-184
5mm	250-660-185
6mm	250-660-186

200mm, 8"	
1mm	250-660-201
2mm	250-660-202
3mm	250-660-203
4mm	250-660-204
5mm	250-660-205
6mm	250-660-206

230mm, 9"	
1mm	250-660-231
2mm	250-660-232
3mm	250-660-233
4mm	250-660-234
5mm	250-660-235
6mm	250-660-236



Thin footplate
40° upwards cutting

180mm, 7"	
1mm	250-610-181
2mm	250-610-182
3mm	250-610-183
4mm	250-610-184
5mm	250-610-185
6mm	250-610-186

200mm, 8"	
1mm	250-610-201
2mm	250-610-202
3mm	250-610-203
4mm	250-610-204
5mm	250-610-205
6mm	250-610-206

230mm, 9"	
1mm	250-610-231
2mm	250-610-232
3mm	250-610-233
4mm	250-610-234
5mm	250-610-235
6mm	250-610-236



Thin footplate
40° downwards cutting

180mm, 7"	
1mm	250-620-181
2mm	250-620-182
3mm	250-620-183
4mm	250-620-184
5mm	250-620-185
6mm	250-620-186

200mm, 8"	
1mm	250-620-201
2mm	250-620-202
3mm	250-620-203
4mm	250-620-204
5mm	250-620-205
6mm	250-620-206

230mm, 9"	
1mm	250-620-231
2mm	250-620-232
3mm	250-620-233
4mm	250-620-234
5mm	250-620-235
6mm	250-620-236

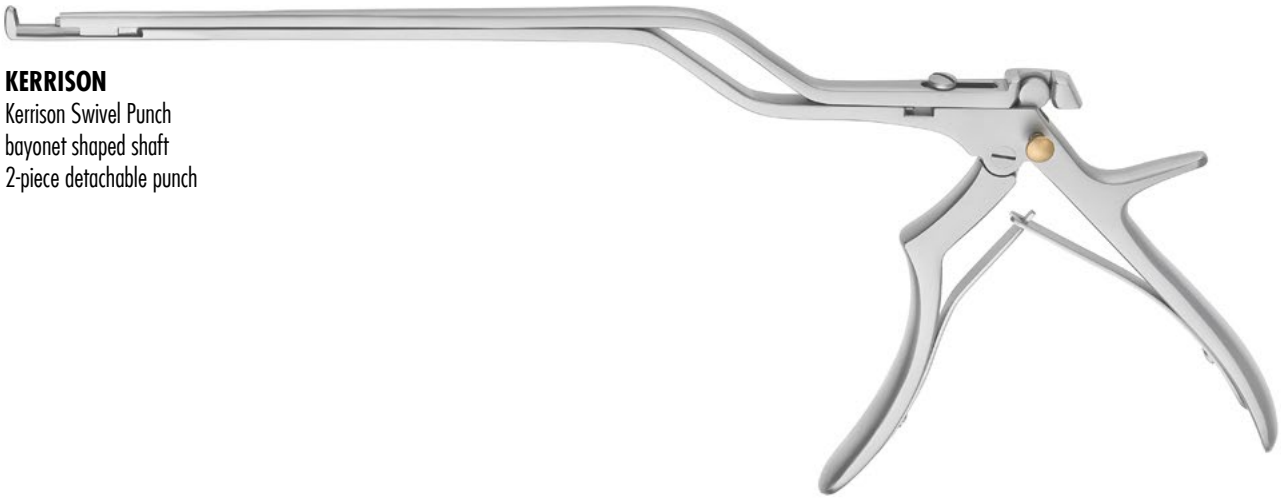


Foramenotomy
40° upwards cutting

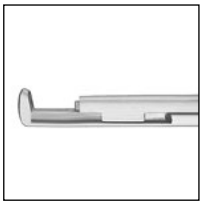
180mm, 7"	
1mm	250-680-181
2mm	250-680-182
3mm	250-680-183
4mm	250-680-184
5mm	250-680-185
6mm	250-680-186

200mm, 8"	
1mm	250-680-201
2mm	250-680-202
3mm	250-680-203
4mm	250-680-204
5mm	250-680-205
6mm	250-680-206

All instruments are available with CERACUT® coating. Code number + CC (e.g. 250-600-181CC)



KERRISON
Kerrison Swivel Punch
bayonet shaped shaft
2-piece detachable punch



90° upwards cutting

180mm, 7"		200mm, 8"		230mm, 9"	
1mm	250-650-111	1mm	250-650-151	1mm	250-650-181
2mm	250-650-112	2mm	250-650-152	2mm	250-650-182
3mm	250-650-113	3mm	250-650-153	3mm	250-650-183
4mm	250-650-114	4mm	250-650-154	4mm	250-650-184
5mm	250-650-115	5mm	250-650-155	5mm	250-650-185
6mm	250-650-116	6mm	250-650-156	6mm	250-650-186



90° upwards cutting
left curved jaw

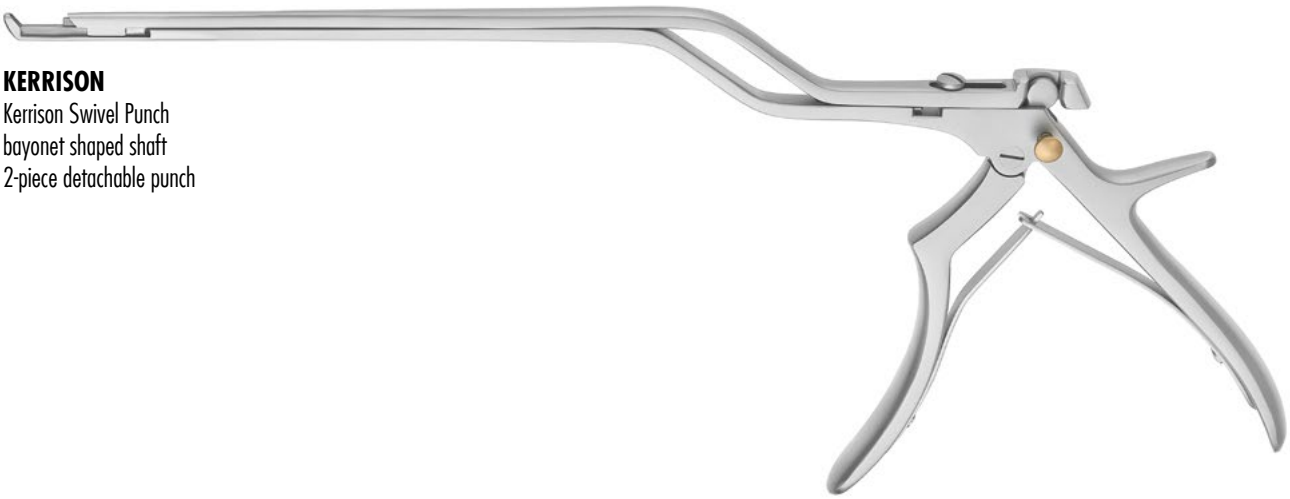
180mm, 7"		200mm, 8"		230mm, 9"	
1mm	250-651-111	1mm	250-651-151	1mm	250-651-181
2mm	250-651-112	2mm	250-651-152	2mm	250-651-182
3mm	250-651-113	3mm	250-651-153	3mm	250-651-183
4mm	250-651-114	4mm	250-651-154	4mm	250-651-184
5mm	250-651-115	5mm	250-651-155	5mm	250-651-185
6mm	250-651-116	6mm	250-651-156	6mm	250-651-186



90° upwards cutting
right curved jaw

180mm, 7"		200mm, 8"		230mm, 9"	
1mm	250-652-111	1mm	250-652-151	1mm	250-652-181
2mm	250-652-112	2mm	250-652-152	2mm	250-652-182
3mm	250-652-113	3mm	250-652-153	3mm	250-652-183
4mm	250-652-114	4mm	250-652-154	4mm	250-652-184
5mm	250-652-115	5mm	250-652-155	5mm	250-652-185
6mm	250-652-116	6mm	250-652-156	6mm	250-652-186

All instruments are available with CERACUT® coating. Code number + CC (e.g. 250-600-181CC)



KERRISON
Kerrison Swivel Punch
bayonet shaped shaft
2-piece detachable punch



40° upwards cutting

180mm, 7"		200mm, 8"		230mm, 9"	
1mm	250-640-111	1mm	250-640-151	1mm	250-640-181
2mm	250-640-112	2mm	250-640-152	2mm	250-640-182
3mm	250-640-113	3mm	250-640-153	3mm	250-640-183
4mm	250-640-114	4mm	250-640-154	4mm	250-640-184
5mm	250-640-115	5mm	250-640-155	5mm	250-640-185
6mm	250-640-116	6mm	250-640-156	6mm	250-640-186



40° upwards cutting
left curved jaw

180mm, 7"		200mm, 8"		230mm, 9"	
1mm	250-641-111	1mm	250-641-151	1mm	250-641-181
2mm	250-651-112	2mm	250-641-152	2mm	250-641-182
3mm	250-641-113	3mm	250-641-153	3mm	250-641-183
4mm	250-641-114	4mm	250-641-154	4mm	250-641-184
5mm	250-641-115	5mm	250-641-155	5mm	250-641-185
6mm	250-641-116	6mm	250-641-156	6mm	250-641-186



40° upwards cutting
right curved jaw

180mm, 7"		200mm, 8"		230mm, 9"	
1mm	250-642-111	1mm	250-642-151	1mm	250-642-181
2mm	250-642-112	2mm	250-642-152	2mm	250-642-182
3mm	250-642-113	3mm	250-642-153	3mm	250-642-183
4mm	250-642-114	4mm	250-642-154	4mm	250-642-184
5mm	250-642-115	5mm	250-642-155	5mm	250-642-185
6mm	250-642-116	6mm	250-642-156	6mm	250-642-186

All instruments are available with CERACUT® coating. Code number + CC (e.g. 250-600-181CC)



KERRISON
Kerrison Swivel Punch
bayonet shaped shaft
black finish, handle with silicone coating



40° upwards cutting

140mm, 5 1/2" working length	
1mm	250-000-001
2mm	250-000-002
3mm	250-000-003
4mm	250-000-004
5mm	250-000-005



90° upwards cutting

140mm, 5 1/2" working length	
1mm	250-000-006
2mm	250-000-007
3mm	250-000-008
4mm	250-000-009
5mm	250-000-010

Disc Rongeurs







straight



MINI-CUSHING	
1.5x10mm bite	
180mm, 7″	250-100-181
200mm, 8″	250-100-201

CUSHING	
2x10mm bite	
130mm, 5 1/8″	250-100-132
150mm, 6″	250-100-152
180mm, 7″	250-100-182
200mm, 8″	250-100-202
230mm, 9″	250-100-232

upwards curved



1.5x10mm bite	
180mm, 7″	250-110-181
200mm, 8″	250-110-201

2x10mm bite	
130mm, 5 1/8″	250-110-132
150mm, 6″	250-110-152
180mm, 7″	250-110-182
200mm, 8″	250-110-202
230mm, 9″	250-110-232

downwards curved



1.5x10mm bite	
180mm, 7″	250-120-181
200mm, 8″	250-120-201

2x10mm bite	
130mm, 5 1/8″	250-120-132
150mm, 6″	250-120-152
180mm, 7″	250-120-182
200mm, 8″	250-120-202
230mm, 9″	250-120-232

Laminectomy Rongeurs









LOVE GRUENWALD

straight, 3x10mm bite

130mm, 5 1/8"	250-100-133
150mm, 6"	250-100-153
180mm, 7"	250-100-183
200mm, 8"	250-100-203
230mm, 9"	250-100-233

upwards curved, 3x10mm bite

130mm, 5 1/8"	250-110-133
150mm, 6"	250-110-153
180mm, 7"	250-110-183
200mm, 8"	250-110-203
230mm, 9"	250-110-233

downwards curved, 3x10mm bite

130mm, 5 1/8"	250-120-133
150mm, 6"	250-120-153
180mm, 7"	250-120-183
200mm, 8"	250-120-203
230mm, 9"	250-120-233

SPURLING

straight, 4x10mm bite

130mm, 5 1/8"	250-100-134
150mm, 6"	250-100-154
180mm, 7"	250-100-184
200mm, 8"	250-100-204
230mm, 9"	250-100-234

upwards curved, 5x10mm bite

130mm, 5 1/8"	250-110-134
150mm, 6"	250-110-154
180mm, 7"	250-110-184
200mm, 8"	250-110-204
230mm, 9"	250-110-234

downwards curved, 5x10mm bite

130mm, 5 1/8"	250-120-134
150mm, 6"	250-120-154
180mm, 7"	250-120-184
200mm, 8"	250-120-204
230mm, 9"	250-120-234

CASPAR

straight, 5x10mm bite

130mm, 5 1/8"	250-100-135
150mm, 6"	250-100-155
180mm, 7"	250-100-185
200mm, 8"	250-100-205
230mm, 9"	250-100-235

upwards curved, 5x10mm bite

130mm, 5 1/8"	250-110-135
150mm, 6"	250-110-155
180mm, 7"	250-110-185
200mm, 8"	250-110-205
230mm, 9"	250-110-235

downwards curved, 5x10mm bite

130mm, 5 1/8"	250-120-135
150mm, 6"	250-120-155
180mm, 7"	250-120-185
200mm, 8"	250-120-205
230mm, 9"	250-120-235


straight


upwards curved


downwards curved

CASPAR
Toothed Disc Rongeurs





straight



upwards curved



downwards curved

2x12mm bite	
140mm, 5 1/2"	250-130-142
160mm, 6 1/4"	250-130-162
180mm, 7"	250-130-182

2x12mm bite	
140mm, 5 1/2"	250-140-142
160mm, 6 1/4"	250-140-162
180mm, 7"	250-140-182

2x12mm bite	
140mm, 5 1/2"	250-150-142
160mm, 6 1/4"	250-150-162
180mm, 7"	250-150-182

3x12mm bite	
140mm, 5 1/2"	250-130-143
160mm, 6 1/4"	250-130-163
180mm, 7"	250-130-183

3x12mm bite	
140mm, 5 1/2"	250-140-143
160mm, 6 1/4"	250-140-163
180mm, 7"	250-140-183

3x12mm bite	
140mm, 5 1/2"	250-150-143
160mm, 6 1/4"	250-150-163
180mm, 7"	250-150-183

straight, 4x14mm bite	
140mm, 5 1/2"	250-130-144
160mm, 6 1/4"	250-130-164
180mm, 7"	250-130-184

upwards curved, 4x14mm bite	
140mm, 5 1/2"	250-140-144
160mm, 6 1/4"	250-140-164
180mm, 7"	250-140-184

downwards curved, 4x14mm bite	
140mm, 5 1/2"	250-150-144
160mm, 6 1/4"	250-150-164
180mm, 7"	250-150-184

straight, 5x14mm bite	
140mm, 5 1/2"	250-130-145
160mm, 6 1/4"	250-130-165
180mm, 7"	250-130-185

upwards curved, 5x14mm bite	
140mm, 5 1/2"	250-140-145
160mm, 6 1/4"	250-140-165
180mm, 7"	250-140-185

downwards curved, 5x14mm bite	
140mm, 5 1/2"	250-150-145
160mm, 6 1/4"	250-150-165
180mm, 7"	250-150-185

straight, 6x16mm bite	
140mm, 5 1/2"	250-130-146
160mm, 6 1/4"	250-130-166
180mm, 7"	250-130-186

upwards curved, 6x16mm bite	
140mm, 5 1/2"	250-140-146
160mm, 6 1/4"	250-140-166
180mm, 7"	250-140-186

downwards curved, 6x16mm bite	
140mm, 5 1/2"	250-150-146
160mm, 6 1/4"	250-150-166
180mm, 7"	250-150-186



Swivel Disc Rongeur
2-piece detachable punch, straight







CUSHING
2x10mm

length	straight jaw	30° upwards jaw	30° downwards jaw
150mm, 6"	250-700-152	250-710-152	250-720-152
180mm, 7"	250-700-182	250-710-182	250-720-182
200mm, 8"	250-700-202	250-710-202	250-720-202

LOVE GRUENWALD
3x10mm

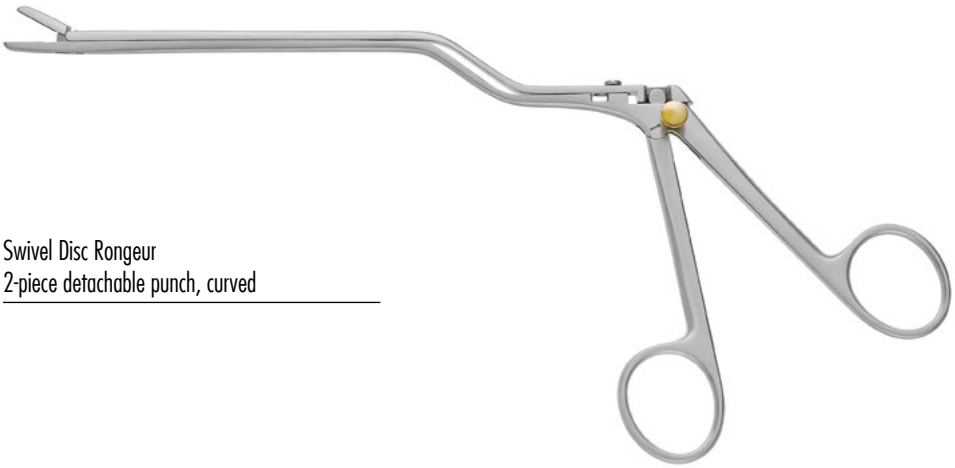
length	straight jaw	30° upwards jaw	30° downwards jaw
150mm, 6"	250-700-153	250-710-153	250-720-153
180mm, 7"	250-700-183	250-710-183	250-720-183
200mm, 8"	250-700-203	250-710-203	250-720-202

SPURLING
4x10mm

length	straight jaw	30° upwards jaw	30° downwards jaw
150mm, 6"	250-700-154	250-710-154	250-720-154
180mm, 7"	250-700-184	250-710-184	250-720-184
200mm, 8"	250-700-204	250-710-204	250-720-204

CASPAR
5x10mm

length	straight jaw	30° upwards jaw	30° downwards jaw
150mm, 6"	250-700-155	250-710-155	250-720-155
180mm, 7"	250-700-185	250-710-185	250-720-185
200mm, 8"	250-700-205	250-710-205	250-720-205



Swivel Disc Rongeur
2-piece detachable punch, curved







CUSHING
2x10mm

length	bayonet right, straight jaw	bayonet left, straight jaw	bayonet up, straight jaw
110mm, 4 1/3"	250-750-112	250-760-112	250-770-112
150mm, 6"	250-750-152	250-760-152	250-770-152
180mm, 7"	250-750-182	250-760-182	250-770-182

LOVE GRUENWALD
3x10mm

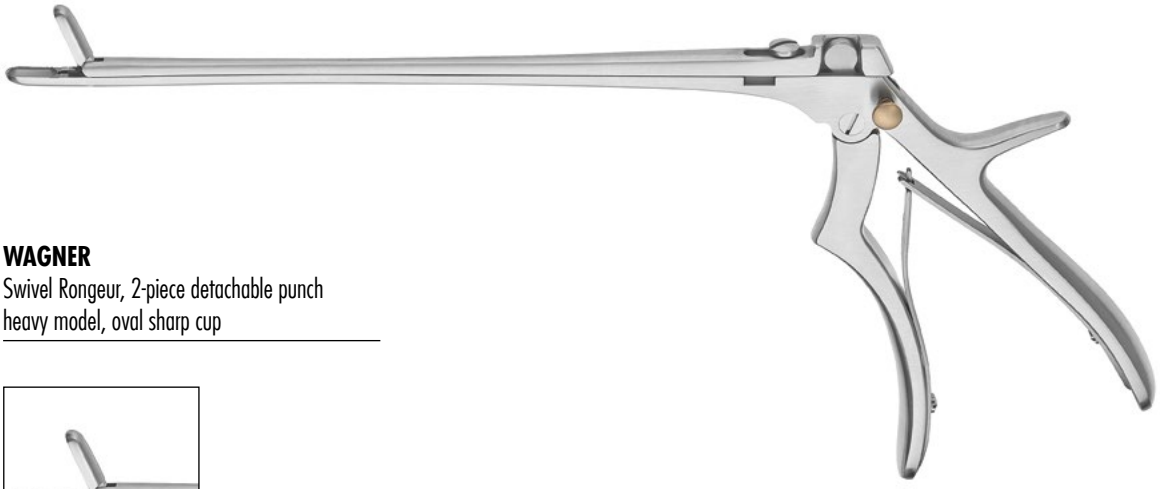
length			
110mm, 4 1/3"	250-750-113	250-760-113	250-770-113
150mm, 6"	250-750-153	250-760-153	250-770-153
180mm, 7"	250-750-183	250-760-183	250-770-182

SPURLING
4x10mm

length			
110mm, 4 1/3"	250-750-114	250-760-114	250-770-114
150mm, 6"	250-750-154	250-760-154	250-770-154
180mm, 7"	250-750-184	250-760-184	250-770-184

CASPAR
5x10mm

length			
110mm, 4 1/3"	250-750-115	250-760-115	250-770-115
150mm, 6"	250-750-155	250-760-155	250-770-155
180mm, 7"	250-750-185	250-760-185	250-770-185



WAGNER
Swivel Rongeur, 2-piece detachable punch
heavy model, oval sharp cup



straight

bite	200mm, 8″	300mm, 11 7/8″
3mm	250-670-203	250-670-303
4mm	250-670-204	250-670-304
5mm	250-670-205	250-670-305



50° upwards

bite	200mm, 8″	300mm, 11 7/8″
4mm	250-671-204	250-671-304

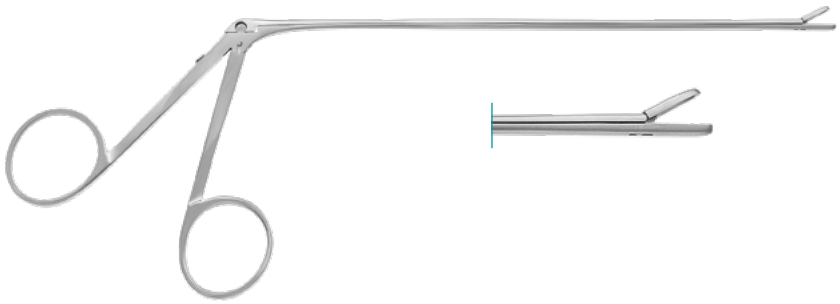


bayonet shape, straight jaw

bite	110mm, 4 1/3″	150mm, 6″	180mm, 7″
3mm	250-672-113	250-672-153	250-672-183
4mm	250-672-114	250-672-154	250-672-184
5mm	250-672-115	250-672-155	250-672-185

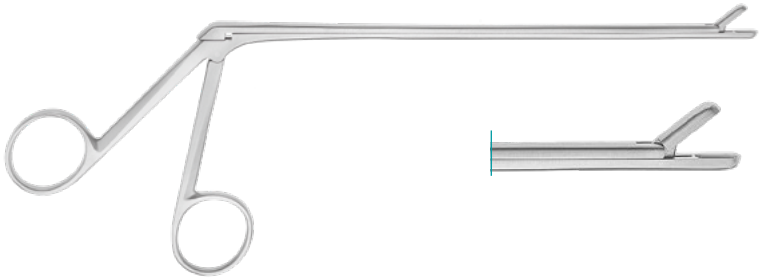
bayonet shape, 50° upwards

bite	110mm, 4 1/3″	150mm, 6″	180mm, 7″
3mm	250-673-113	250-673-153 (30°)	250-673-183
4mm	250-673-114	250-673-154	250-673-184
5mm	250-673-115	250-673-155	250-673-185



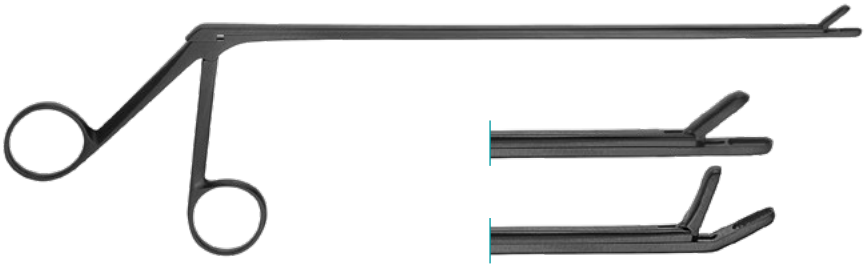
DECKER
Rongeur, fine model, 2x6mm jaw
150mm, 6"

straight	250-066-817
left curved	250-066-824
right curved	250-066-827



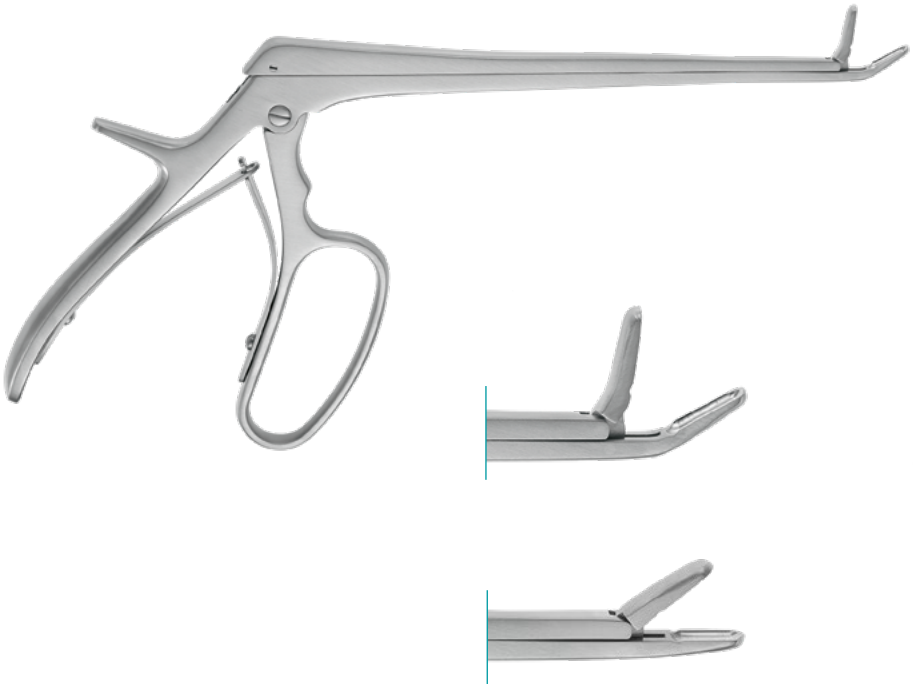
DECKER
Rongeur, 2x6mm jaw, straight

150mm, 6"	250-067-817



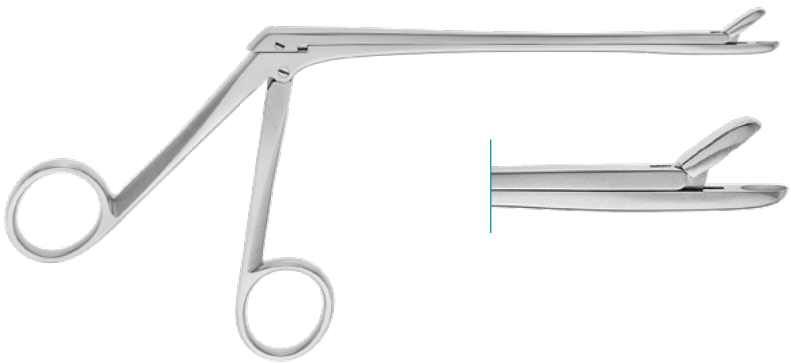
Micro Pituitary, CERA-CUT®
2mm jaw, 170mm, $6^{2/3}$"

straight	250-300-170CC
upcurved	250-301-170CC



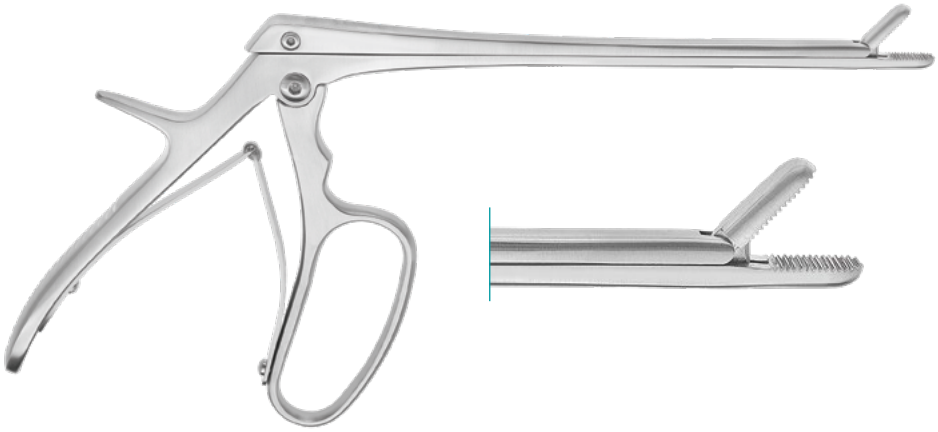
FERRIS SMITH
Disc Rongeur, straight
180mm, 7″

2mm	250-067-802
3mm	250-067-803
4mm	250-067-804
6mm	250-067-806
200mm, 8″	
2mm	250-068-802
3mm	250-068-803
4mm	250-068-804
6mm	250-068-806
upwards angled 180mm, 7″	
2mm	250-067-782
3mm	250-067-783
4mm	250-067-784
6mm	250-067-786
200mm, 8″	
2mm	250-067-765
3mm	250-067-766
4mm	250-067-767
6mm	250-067-768



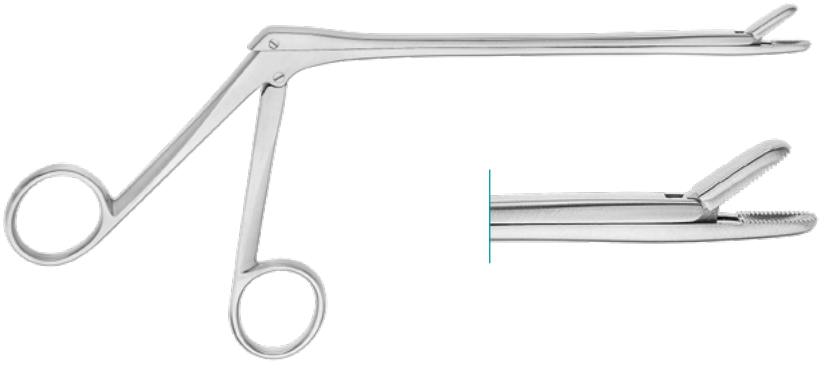
PEAPOD
Rongeur, 140mm, $5^{1/2}$″
straight

2 x 6mm bite	250-115-140
2.5 x 7mm bite	250-118-140
3 x 10mm bite	250-116-140
upwards angled	
2 x 6mm bite	250-114-140
2.5 x 7mm bite	250-119-140
3 x 10mm bite	250-117-140



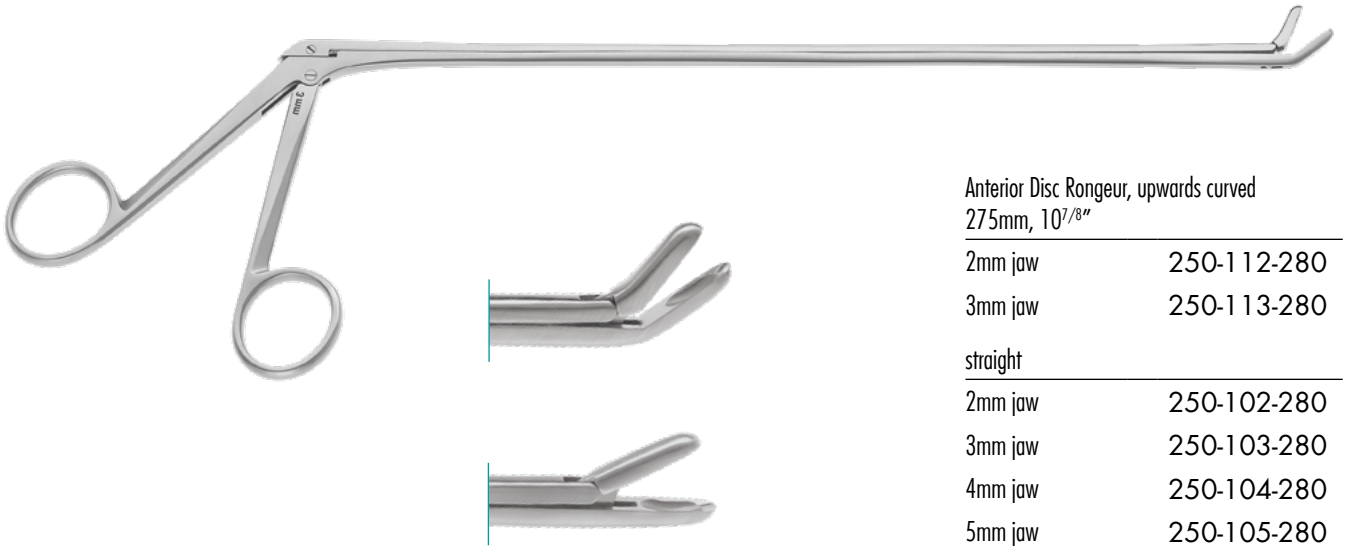
CLOWARD
Rongeur, straight jaw, serrated

180mm, 7”	
4mm	250-066-796
6mm	250-066-797
200mm, 8”	
4mm	250-066-786
6mm	250-066-787



SCHLESINGER
Rongeur, straight jaw, fine serrated

150mm, 6”	
2mm	259-195-002
3mm	259-195-003
4mm	259-195-004
180mm, 7”	
2mm	259-196-002
3mm	259-196-003
4mm	259-196-004

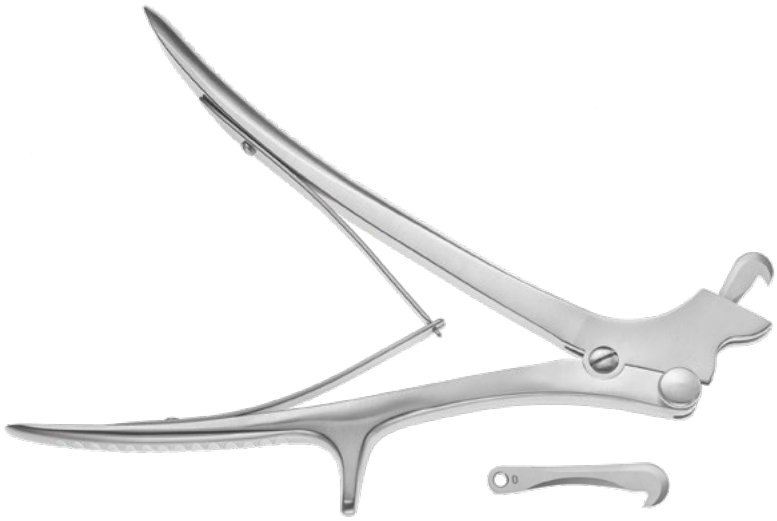


Anterior Disc Rongeur, upwards curved
275mm, $10^{7/8}$"

2mm jaw	250-112-280
3mm jaw	250-113-280

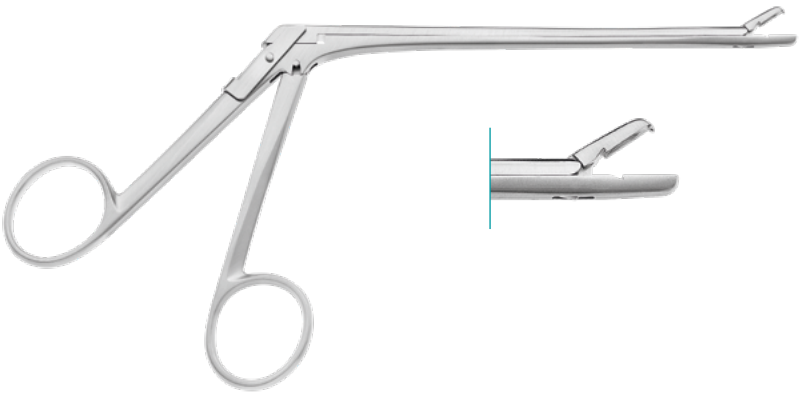
straight

2mm jaw	250-102-280
3mm jaw	250-103-280
4mm jaw	250-104-280
5mm jaw	250-105-280



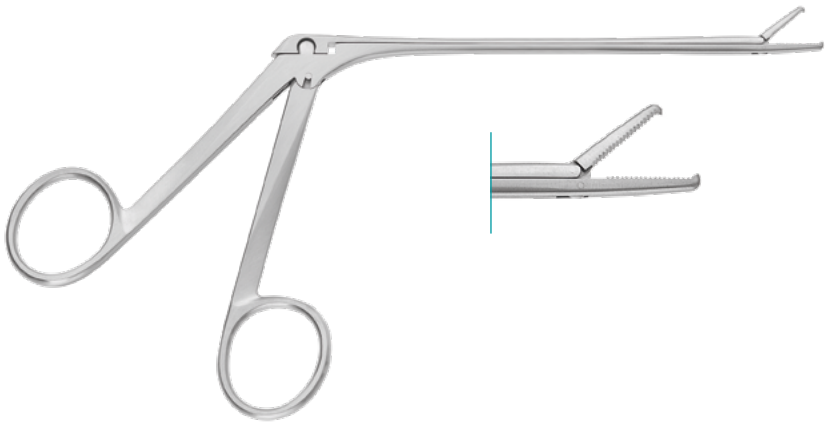
VILBISS
Cranial Rongeur Forceps
with replacement blade

210mm, $8^{1/4}$"	250-066-798



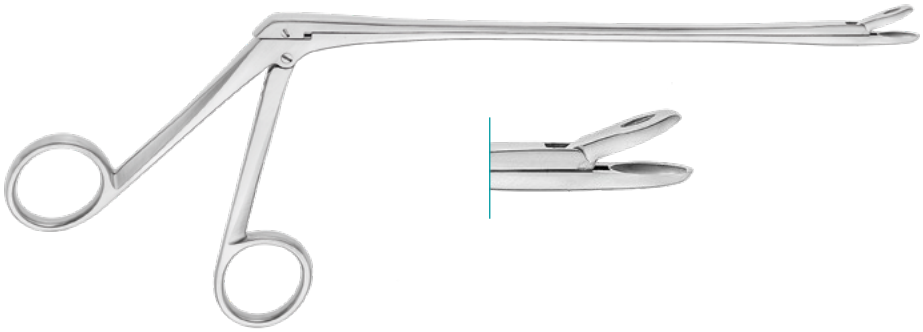
WILLIAMS
Discectomy Rongeur, 2.3mm wide cup, 1.0mm single teeth

140mm, 5 1/2"	250-068-140
230mm, 9"	250-068-230



NOYES
Alligator Forceps, 1x2 teeth with serrated jaw

140mm, 5 1/2"	250-526-140

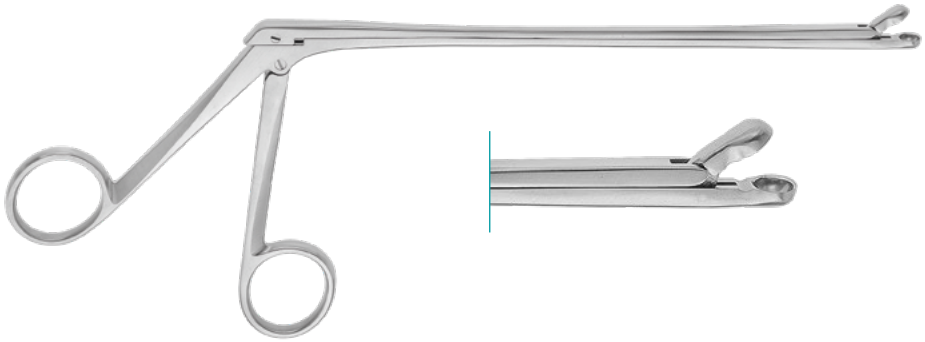


WEIL BLAKESLEY
Rongeur, fenestrated jaw, fine serrated
180mm, 7", straight

3.0mm	252-030-180
3.5mm	252-035-180
4.0mm	252-040-180

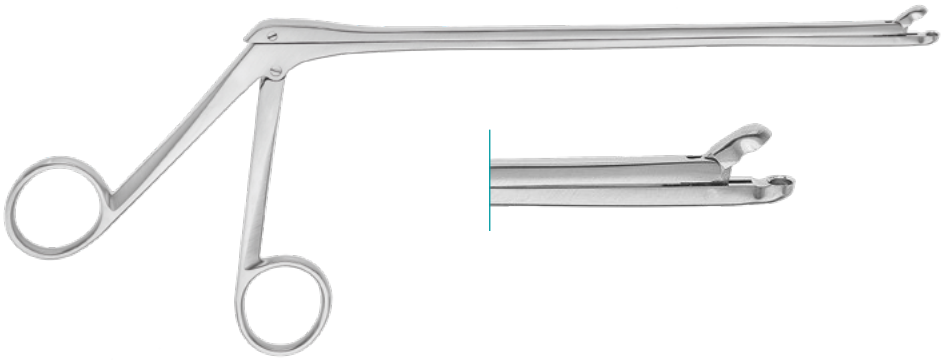
upwards angled

3.0mm	252-030-181
3.5mm	252-035-181
4.0mm	252-040-181



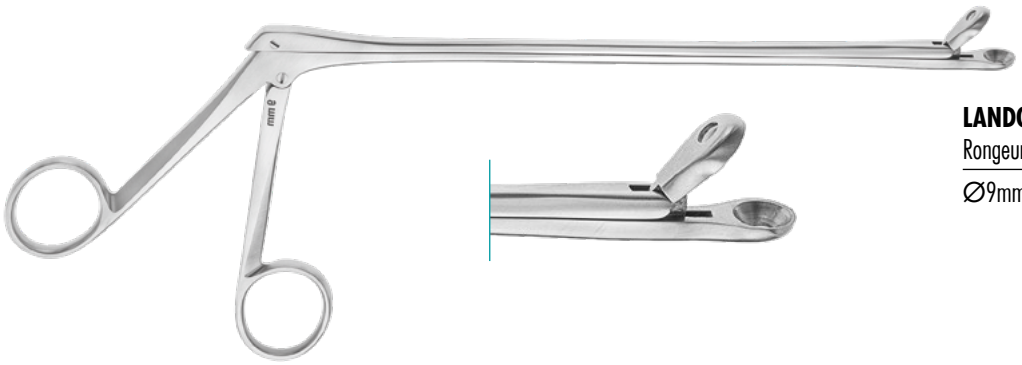
OLDBERG
Rongeur, Ø7mm

180mm, 7"	250-066-605



YASARGIL
Rongeur, 190mm, 7 1/2"

Ø2.2mm	250-066-599
Ø3.5mm	250-066-600



LANDOLT
Rongeur, 200mm, 8"

Ø9mm	250-066-345















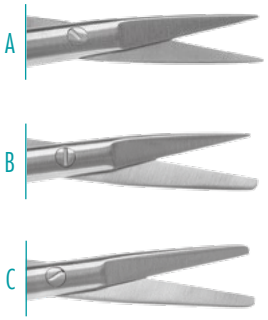




Micro Discectomy Rongeur, black coated, 180mm, 7”

A	straight, 2x6mm	250-000-016
B	30° bent up, 2x6mm	250-000-017
C	Grasper, 2mm	250-000-018
D	40° upwards curved, 2x6mm	250-000-019
E	downwards curved, 2x6mm	250-000-020
F	straight, 4mm	250-000-021
G	upwards angled, 4mm	250-000-022
H	short straight, Kerrison handle 4mm	250-000-023





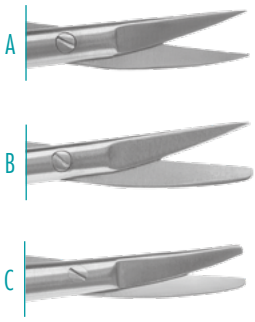
Micro Scissors, straight

A sharp/sharp, 70mm working length	
190mm, 7 1/2"	250-800-190
90mm working length	
210mm, 8 1/4"	250-800-210
120mm working length	
240mm, 9 1/2"	250-800-240
135mm working length	
255mm, 10"	250-800-255

B sharp/blunt, 70mm working length	
190mm, 7 1/2"	250-802-190
90mm working length	
210mm, 8 1/4"	250-802-210
120mm working length	
240mm, 9 1/2"	250-802-240

C blunt/blunt, 70mm working length	
190mm, 7 1/2"	250-804-190
90mm working length	
210mm, 8 1/4"	250-804-210
120mm working length	
240mm, 9 1/2"	250-804-240
135mm working length	
255mm, 10"	250-804-255



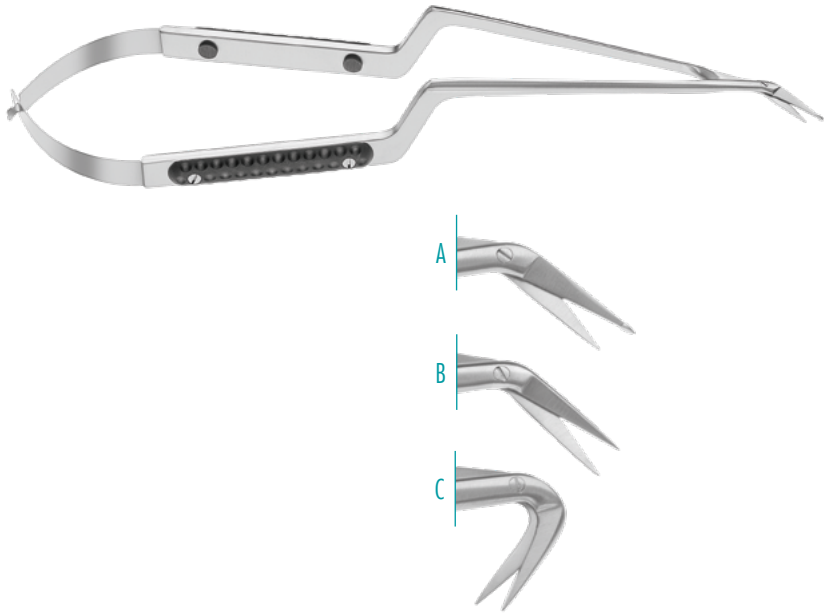


Micro Scissors, curved

A sharp/sharp, 70mm working length	
190mm, 7 1/2"	250-801-190
90mm working length	
210mm, 8 1/4"	250-801-210
120mm working length	
240mm, 9 1/2"	250-801-240
135mm working length	
255mm, 10"	250-801-255

B sharp/blunt, 70mm working length	
190mm, 7 1/2"	250-803-190
90mm working length	
210mm, 8 1/4"	250-803-210
120mm working length	
240mm, 9 1/2"	250-803-240

C blunt/blunt, 70mm working length	
190mm, 7 1/2"	250-805-190
90mm working length	
210mm, 8 1/4"	250-805-210
120mm working length	
240mm, 9 1/2"	250-805-240
135mm working length	
255mm, 10"	250-805-255



Micro Scissors, angled
90mm working length

A knob/sharp, 45° angled

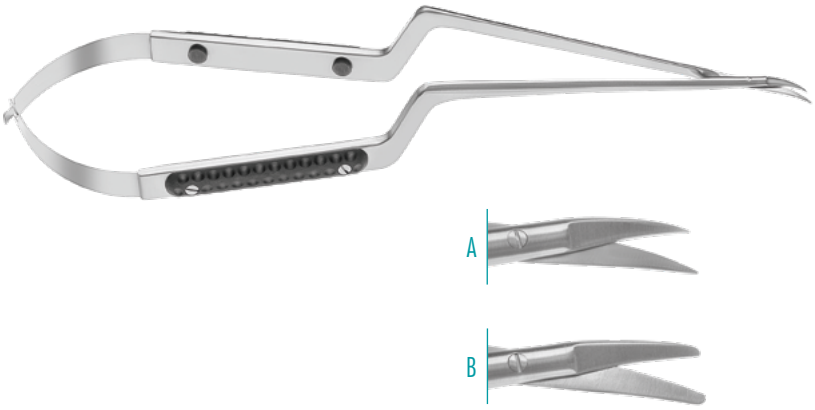
210mm, 8 1/4"	250-811-210

B sharp/sharp, 45° angled

210mm, 8 1/4"	250-813-210

C sharp/sharp, 125° angled

210mm, 8 1/4"	250-815-210



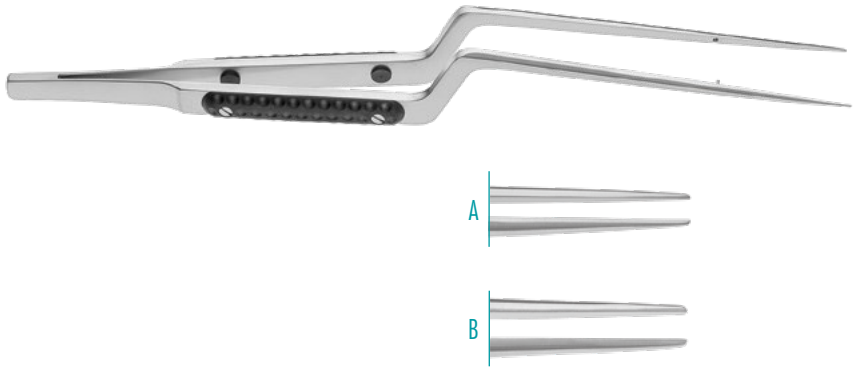
Micro Scissors, downward curved
90mm working length

A sharp/sharp

210mm, 8 1/4"	250-807-210

B blunt/blunt

210mm, 8 1/4"	250-809-210



Micro Forceps

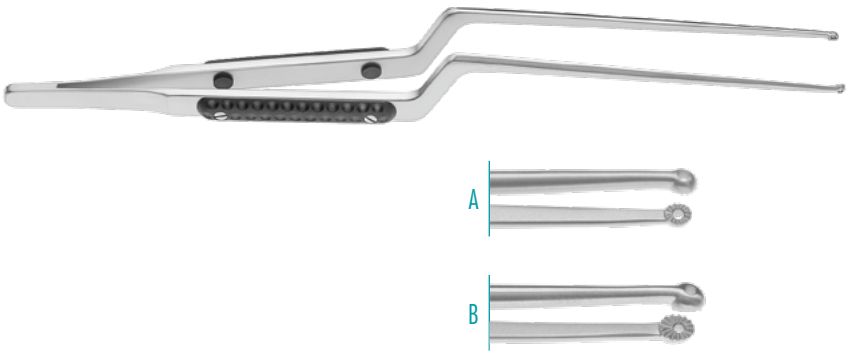
A 0.5mm jaw

190mm, 7 1/2"	250-820-190
210mm, 8 1/4"	250-820-210
240mm, 9 1/2"	250-820-240

Neuro Forceps

B 0.9mm jaw

190mm, 7 1/2"	250-822-190
210mm, 8 1/4"	250-822-210
240mm, 9 1/2"	250-822-240



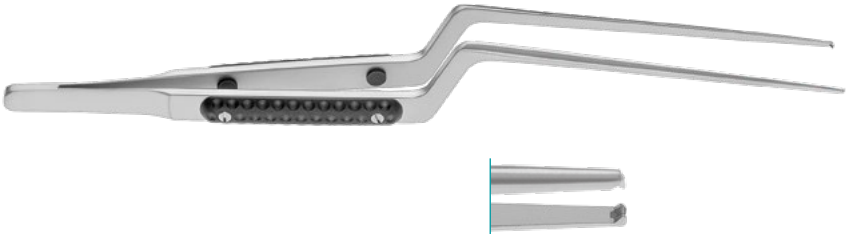
Micro Tumor Grasping Forceps

A ∅ 2.5mm

210mm, 8 1/4"	250-830-210
245mm, 9 2/3"	250-830-245

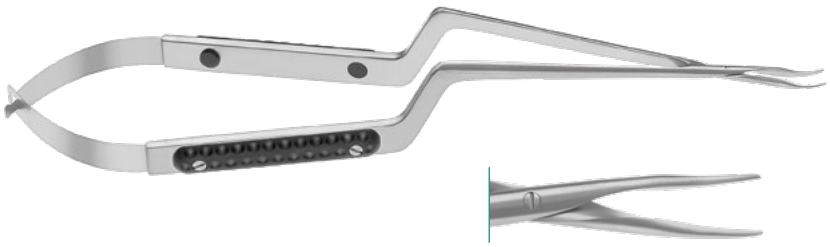
B ∅ 3.5mm

210mm, 8 1/4"	250-832-210
245mm, 9 2/3"	250-832-245



Micro Tissue Forceps
1x2 teeth

210mm, 8 1/4"	250-850-210



Micro Needle Holder,
curved, 0.5mm jaw,
70mm working length

200mm, 8"	250-841-200

90mm working length

220mm, 8 2/3"	250-841-220

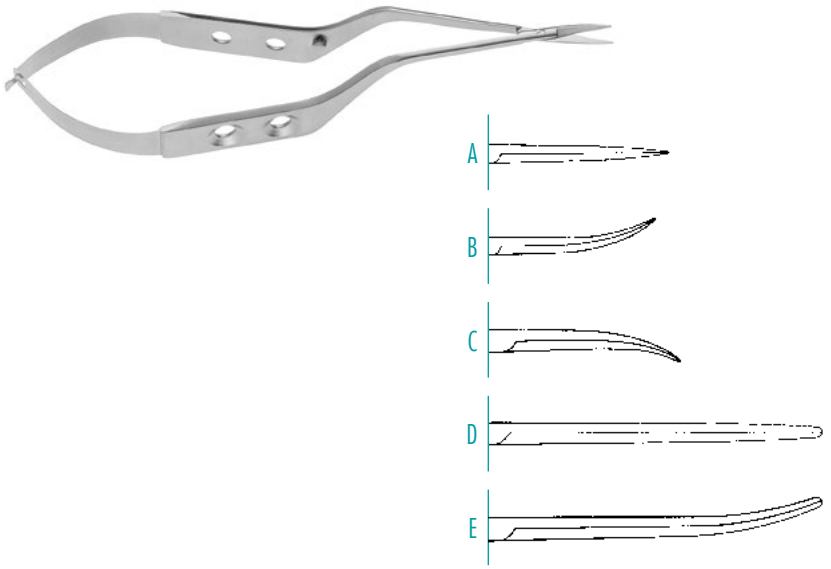
120mm working length

250mm, 9 7/8"	250-841-250



Container, double layer system

265 x 255 x 65mm	600-407-255
400 x 290 x 75mm	600-407-260



YASARGIL

A Micro Scissors, straight

165mm, 6 1/2"	250-064-030
200mm, 8"	250-064-034

B curved

165mm, 6 1/2"	250-064-031
200mm, 8"	250-064-035

C curved downwards

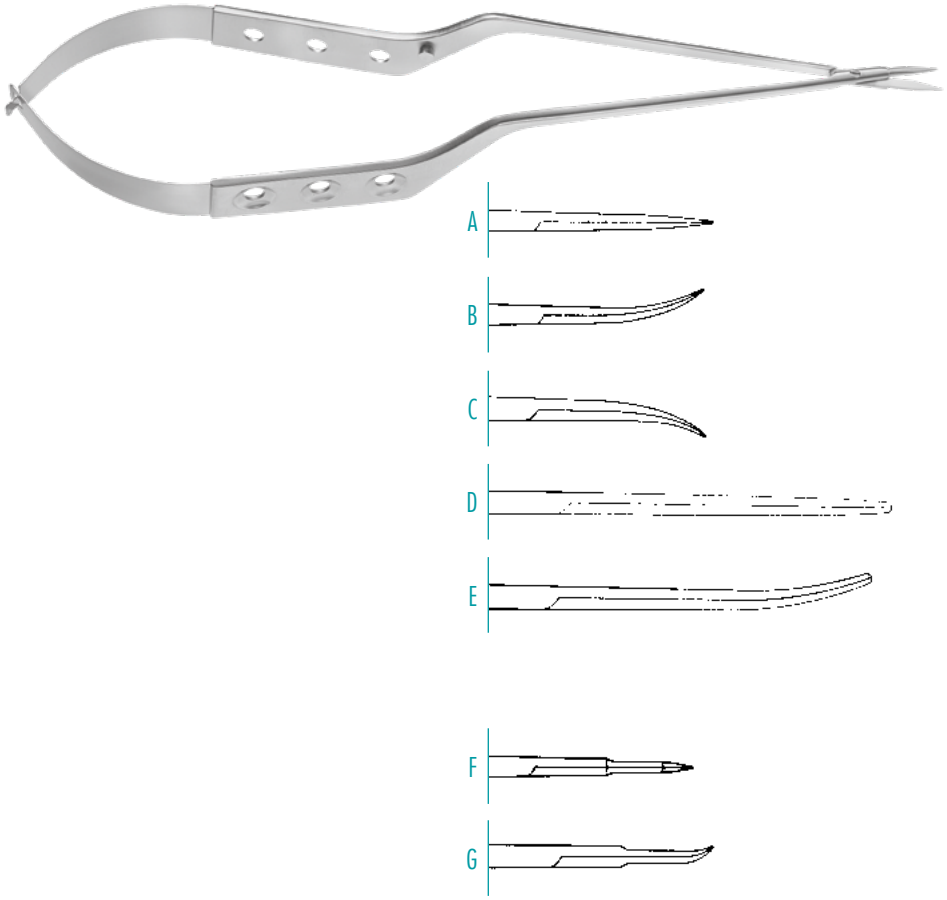
200mm, 8"	250-064-036

D straight, dissecting

200mm, 8"	250-064-032

E curved, dissecting

200mm, 8"	250-064-033



YASARGIL

A Micro Scissors, straight

225mm, 8 7/8"	250-064-038
toothed blades	250-064-060

B curved

225mm, 8 7/8"	250-064-039
245mm, 9 2/3"	250-064-061

C curved downwards

225mm, 8 7/8"	250-064-047

D Dissecting Scissors, straight

225mm, 8 7/8"	250-064-044

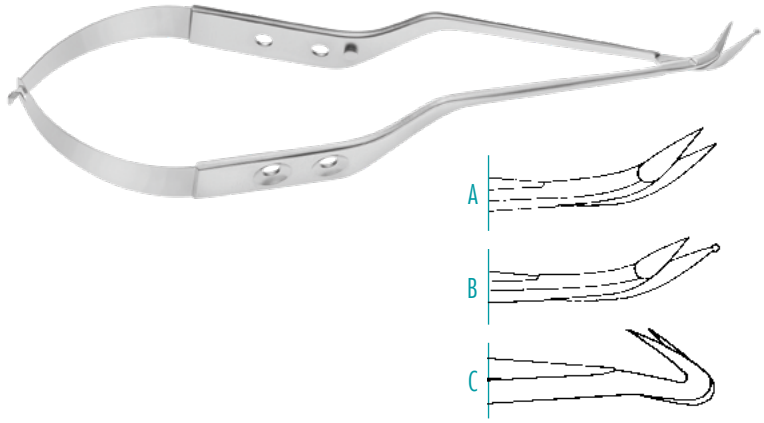
E Dissecting Scissors, curved

225mm, 8 7/8"	250-064-043

VANNAS

Micro Scissors, straight, 225mm, 8 7/8"

F straight	250-064-037
G curved	250-064-040



NAGEL

A Micro Scissors, 45°

200mm, 8″	250-064-056

B 45°, with probe-pointed blade

200mm, 8″	250-064-057

C 125°

190mm, 7 1/2″	250-064-059



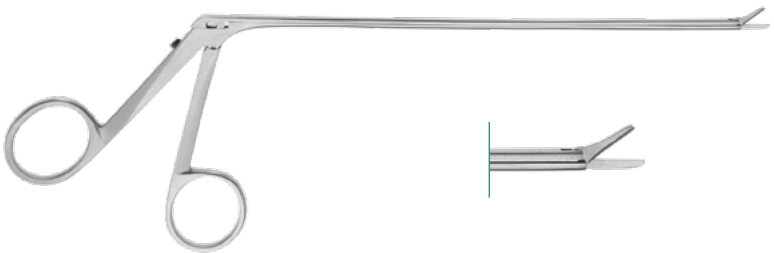
YASARGIL

Micro Needle Holder, straight

165mm, 6 1/2″	250-064-089
200mm, 8″	250-064-092
225mm, 8 7/8″	250-064-096

curved

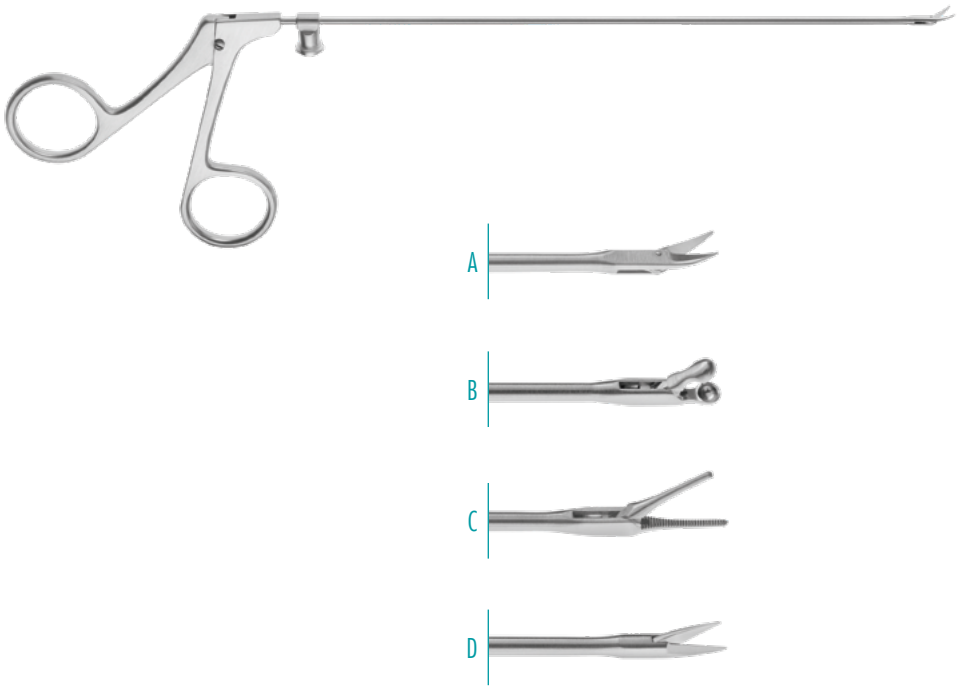
165mm, 6 1/2″	250-064-089
200mm, 8″	250-064-093
225mm, 8 7/8″	250-064-097
245mm, 9 2/3″	250-064-099



DECKER

Micro Scissors, fine model, 5mm
150mm, 6″

straight	250-066-601
left curved	250-066-602
right curved	250-066-603



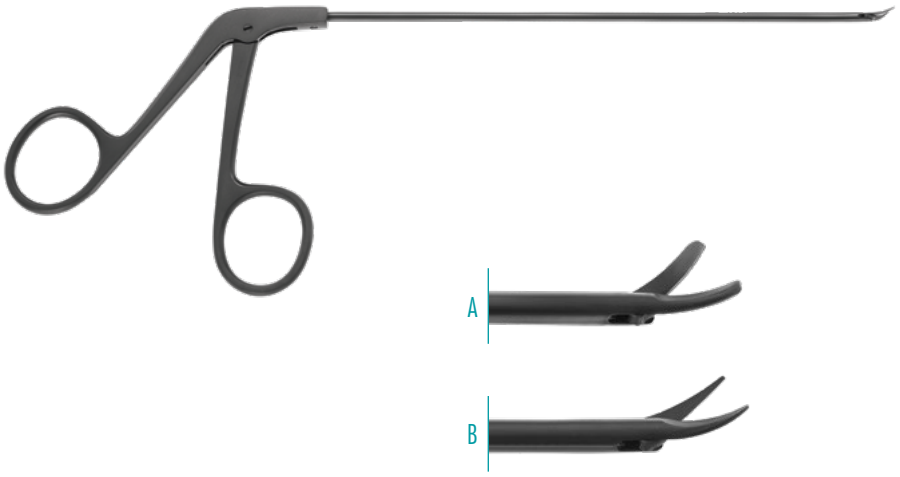
Micro Instruments with Luer-Lock
160mm, $6^{1/4}$" working length

A **FAHLBUSCH**
Micro Scissors
250-064-223

B **NICOLA**
Micro Forceps, ∅ 2.5mm
250-064-222

C **YASARGIL NICOLA**
Micro Grasping Forceps, 1mm conical jaw
250-064-224

D **NICOLA**
Micro Scissors, straight
250-064-226



Micro Spinal Scissors
150mm, 6" working length, black coated, 2mm, curved

A blunt	250-000-033
B sharp	250-000-034



Titanium Micro Needle Holder, straight, with box catch, 1mm diamond dusted jaw, 8mm round handle

210mm, 8 1/4"	250-218-210

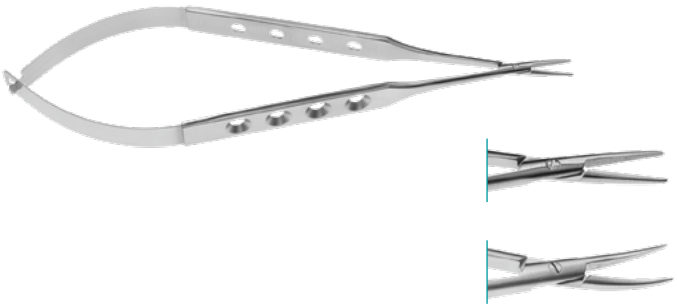


Micro Needle Holder, without catch, 160mm, 6 1/4" working length

straight	250-069-076
curved	250-069-079

180mm, 7" working length

straight	250-069-080
curved	250-069-081

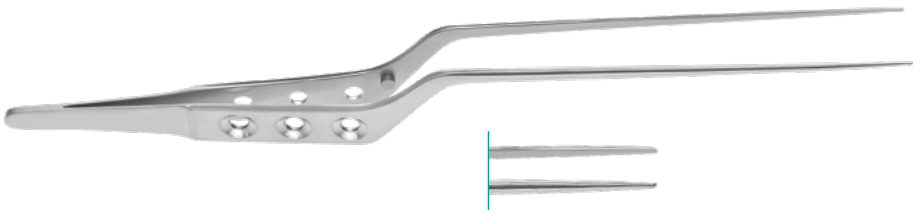


Micro Needle Holder, diamond dusted without catch, 160mm, 6 1/4" working length

straight	250-269-076
curved	250-269-079

180mm, 7" working length

straight	250-269-080
curved	250-269-081







YASARGIL
Micro Forceps, 0.6mm tip

160mm, 6 1/4"	250-024-830
180mm, 7"	250-024-835
200mm, 8"	250-024-840
220mm, 8 2/3"	250-024-845
240mm, 9 1/2"	250-024-850

0.9mm tip

160mm, 6 1/4"	250-024-831
180mm, 7"	250-024-836
200mm, 8"	250-024-841
220mm, 8 2/3"	250-024-846
240mm, 9 1/2"	250-024-851

1x2 teeth

180mm, 7"	250-024-837

YASARGIL
A Micro Grasping Forceps Ø 3mm

220mm, 8 2/3"	250-064-210

B Ø 5mm

220mm, 8 2/3"	250-064-212

C Ø 3mm, flat jaw, serrated

220mm, 8 2/3"	250-064-214

D Ø 5mm, flat jaw, serrated

220mm, 8 2/3"	250-064-216

YASARGIL SAMII
E Ø 3mm, spoon-shaped

240mm, 9 1/2"	250-064-200

F Ø 5mm, spoon-shaped

240mm, 9 1/2"	250-064-202

G Ø 7mm, spoon-shaped

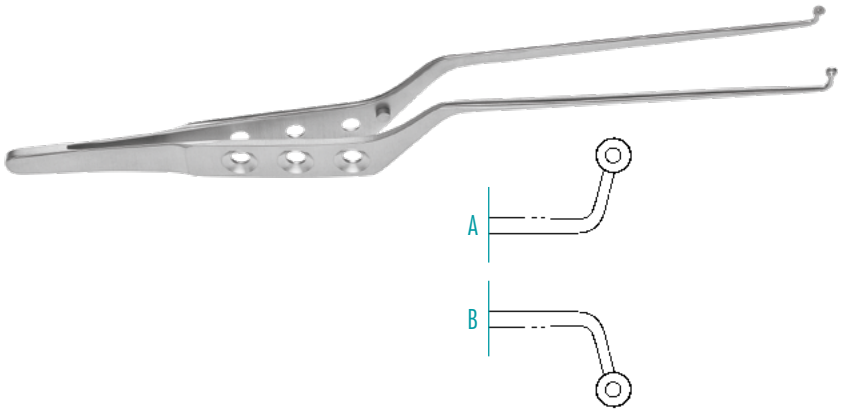
240mm, 9 1/2"	250-064-204

HEIFETZ
H Ø 3mm, curette jaw, toothed

220mm, 8 2/3"	250-064-215

I Ø 5mm, curette jaw, toothed

220mm, 8 2/3"	250-064-217



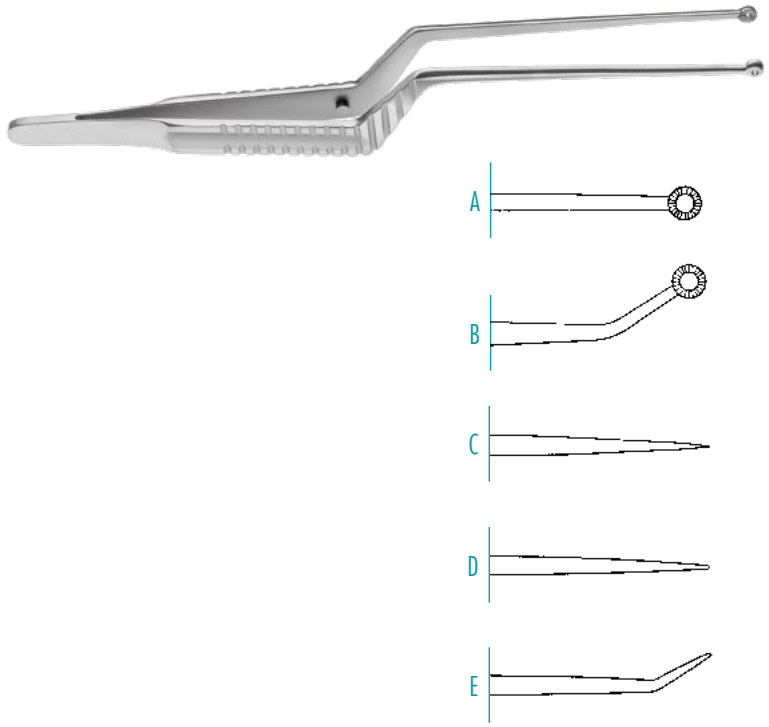
SAMII

A Micro Grasping Forceps, 230mm, 9"
left angled

Ø 3mm	250-064-190
Ø 4mm	250-064-191
Ø 5mm	250-064-192

B right angled

Ø 3mm	250-064-195
Ø 4mm	250-064-196
Ø 5mm	250-064-197



YASARGIL

A Tumor Tissue Forceps, Ø 5mm
flat jaw, serrated, straight

200mm, 8"	250-024-765

HUNT

B flat jaw, serrated, angled

200mm, 8"	250-024-766

C fine tip

185mm, 7 1/4"	250-064-110

D broad tip

185mm, 7 1/4"	250-064-111

E broad tip, angled

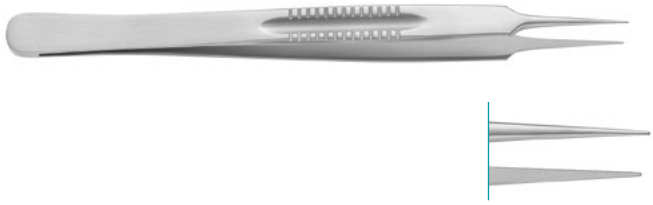
185mm, 7 1/4"	250-064-112



HUNT

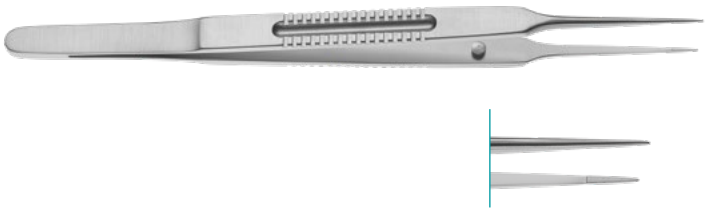
Tumor Tissue Forceps, Ø 5mm
serrated jaw

200mm, 8"	250-024-765



LAZAR
Micro Suture Tying Forceps
155mm, 6 1/8″

0.5mm tip	250-024-260
0.8mm tip	250-024-261

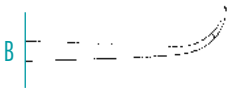


Micro Suture Tying Forceps
185mm, 7 1/4″

0.5mm tip	250-024-264







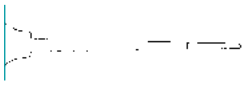
VISE
Micro Suture Tying Forceps
A straight, 0.3mm tip

120mm, 4 3/4″	250-024-338
135mm, 5 1/3″	250-024-336

B curved, 0.3mm tip

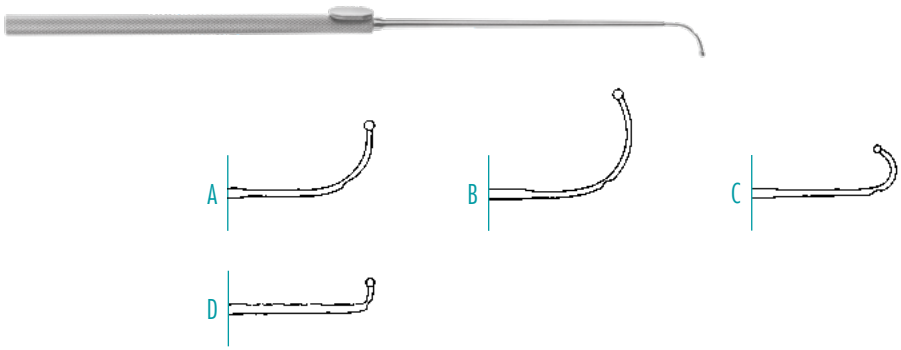
135mm, 5 1/3″	250-024-337





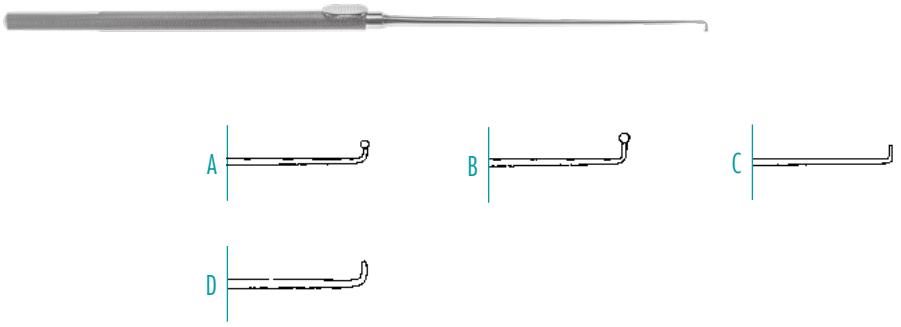
AUSTIN
Micro Suture Tying Forceps,
0.8mm tip

140mm, 5 1/2″	250-024-340
180mm, 7″	250-024-342



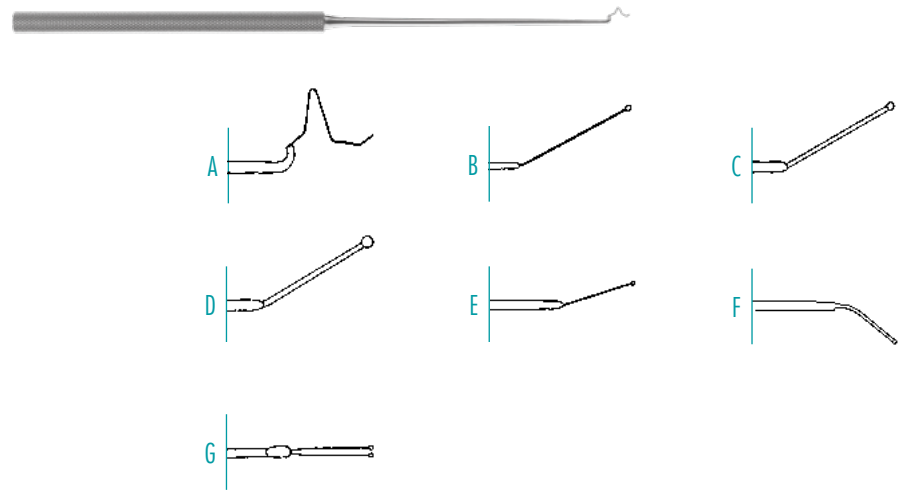
YASARGIL
Ligature Guide, 185mm, 7 1/4"

A	250-064-270
B	250-064-271
C	250-064-272
D	250-064-273



KRAYENBÜHL
Nerve / Vessel Hook, 185mm, 7 1/4"

A	250-064-396
B	250-064-397
C	250-064-398
D	250-064-399



BIEMER
A Vessel Spreader,

160mm, 6 1/4"	250-064-310

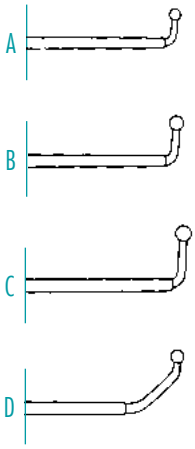
Vessel Dilator, 125mm, 5"

B Ø 0.5mm	250-064-306
C Ø 1.0mm	250-064-307
D Ø 1.5mm	250-064-308

JACOBSON
Vessel Probe, 185mm, 7 1/4"

E	250-064-311
F	250-064-313
G	250-064-312





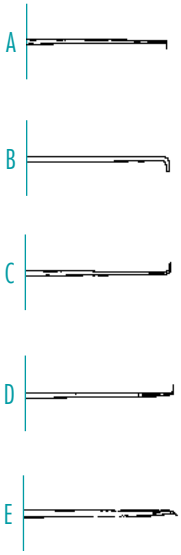
CASPAR
Exploration / Coagulation Hook, 245mm, 9 2/3″, insulated

A	250-020-088
B	250-020-089
C	250-020-090
D	250-020-091

non-insulated

A	250-010-088
B	250-010-089
C	250-010-090
D	250-010-091





Micro Hook, 90°, 230mm, 9″

A sharp	250-064-330
B blunt	250-064-331

FISCH
90°, sharp , 185mm, 7 1/4″

C curved	250-064-375
D angled	250-064-376

JACOBSON
Micro Vessel Knife, 185mm, 7 1/4″

E	250-064-350



Tissue Pick, ∅ 1.8mm

185mm, 7 1/4″	250-064-392



FRAZIER
Dura Hook, sharp

130mm, 5 1/8"	170-013-130



O'CONNOR
Nerve Hook, sharp

120mm, 4 3/4"	170-040-160



DANDY
Nerve Hook, 3mm, 200mm, 8"

straight	250-746-000
right curved	250-746-001
left curved	250-746-002



COTTLE
Nerve Hook, 168mm, $6^{2/3}$″

180° retrograde curved	230-286-160
120° retrograde curved	230-285-160



SACHS
Dura Hook

185mm, $7^{1/4}$″	250-403-185



SMITHWICK
Nerve Hook

170mm, $6^{2/3}$″	250-507-170



GRAHAM
Dura Hook

165mm, 6 1/2"	250-405-160



CUSHING
Nerve Hook, 190mm, 7 1/2"

small	170-060-001
large	170-060-002



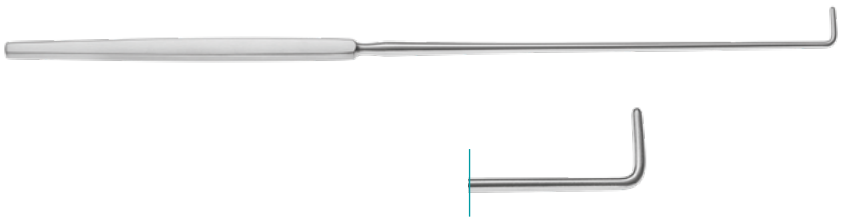
ADSON
Dura Hook, 200mm, 8"

blunt	250-407-200
sharp	250-409-200



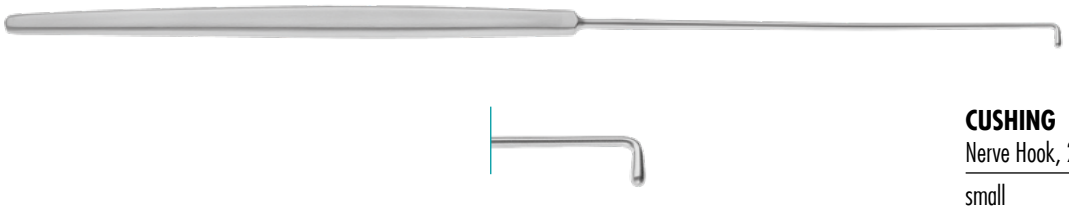
WEARY
Nerve Hook, fine, blunt, black coated

200mm, 8"	250-408-200



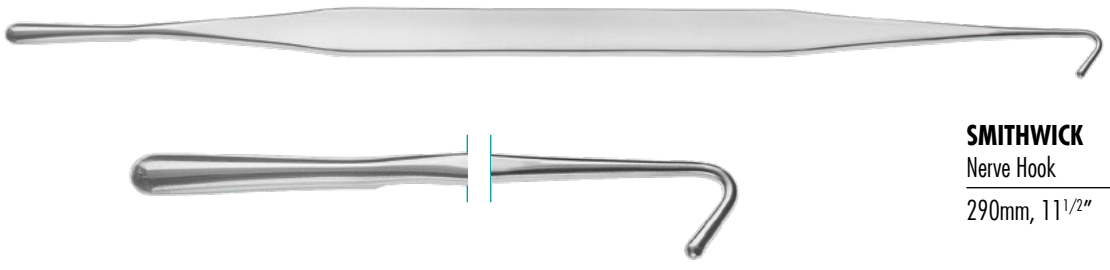
HOEN
Dura Hook, 90°

220mm, 8 2/3"	250-747-220



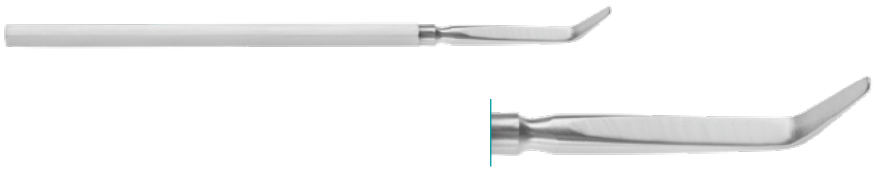
CUSHING
Nerve Hook, 280mm, 11"

small	250-742-280
large	250-743-280



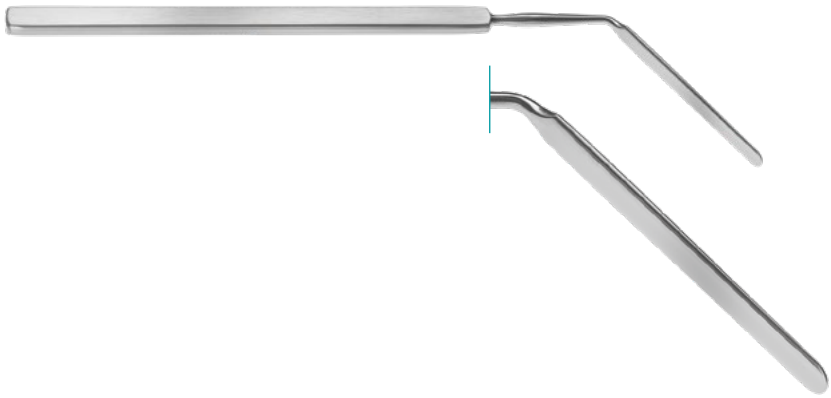
SMITHWICK
Nerve Hook

290mm, 11 1/2"	250-507-290



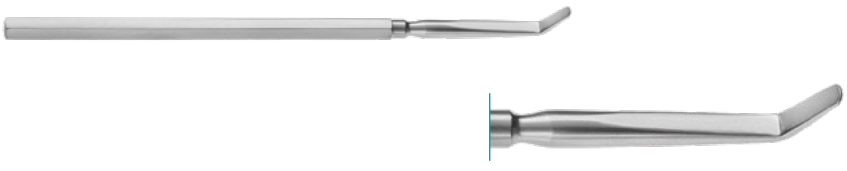
FRAZIER
Dura Elevator

160mm, 6 1/4"	250-746-150



HORSLEY
Dura Dissector, angled

200mm, 8"	250-750-200



HOEN
Dura Elevator, 150mm, 6"

45°	250-747-150
90°	250-747-153



SACHS
Dura Dissector, sharp

210mm, 8 1/4"	250-687-210



DAVIS
Dura Dissector

195mm, 7 3/4"	250-696-195



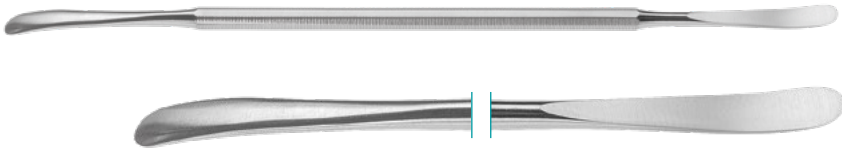
OLIVECRONA
Dissector, double-ended
4 x 5mm, heavy pattern

180mm, 7"	250-694-180
240mm, 9 1/2"	250-694-240



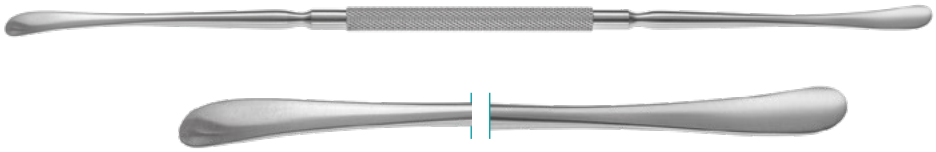
OLIVECRONA
Dissector, double-ended, fenestrated tip,
2 x 3mm

180mm, 7"	250-696-180
240mm, 9 1/2"	250-696-240



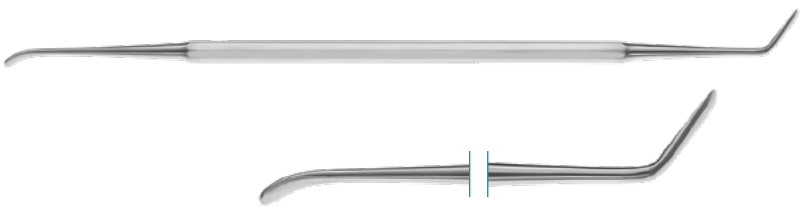
Dissector, double ended

220mm, 8 2/3"	290-500-220



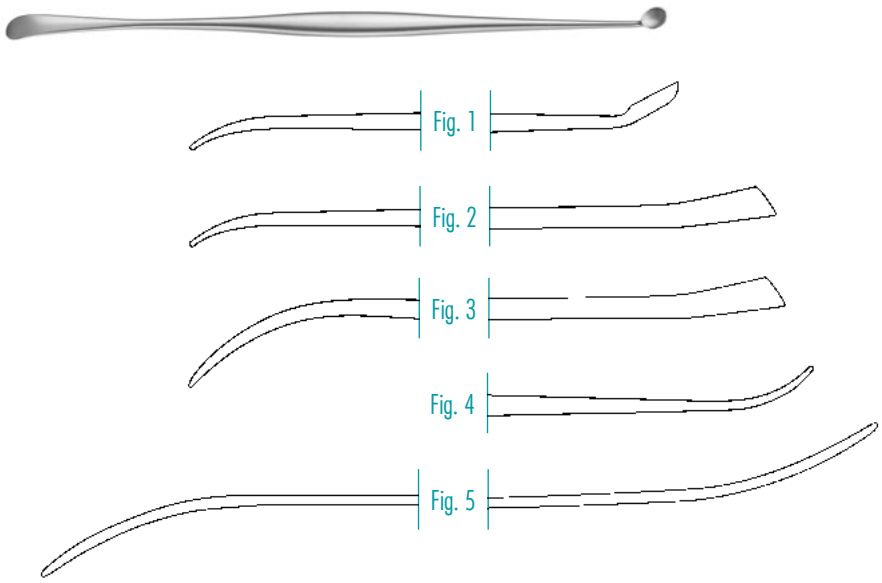
DAVIS
Vascular Dissector, double ended

245mm, 9 2/3"	290-300-245



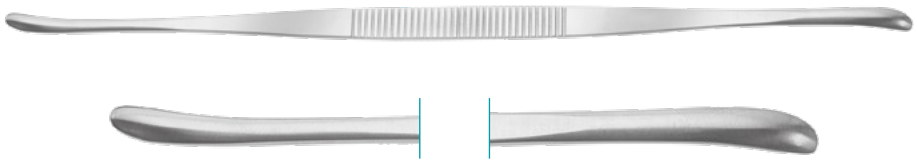
MILLIGAN
Dura Dissector, double ended

210mm, 8 1/4"	250-685-210



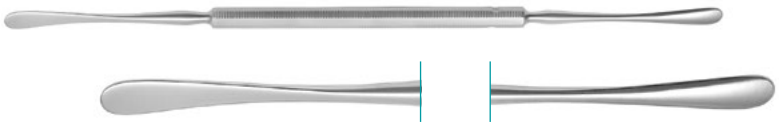
PENFIELD
Dissector

Fig. 1 175mm, $6^{7/8}$″	250-691-175
Fig. 2 195mm, $7^{3/4}$″	250-692-195
Fig. 3 195mm, $7^{3/4}$″	250-693-195
Fig. 4 215mm, $8^{1/2}$″	250-694-215
Fig. 5 290mm, $11^{1/2}$″	250-695-290



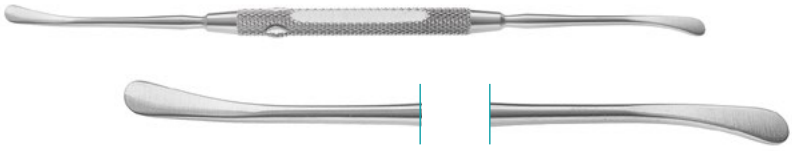
TOENNIS
Dissector, blunt/blunt

Fig. 1 3+4mm	250-301-240
Fig. 2 5+6mm	250-302-240



FREER
Septum Elevator, sharp/blunt, 200mm, 8″

4.5mm	420-545-001
6.5mm	420-545-002



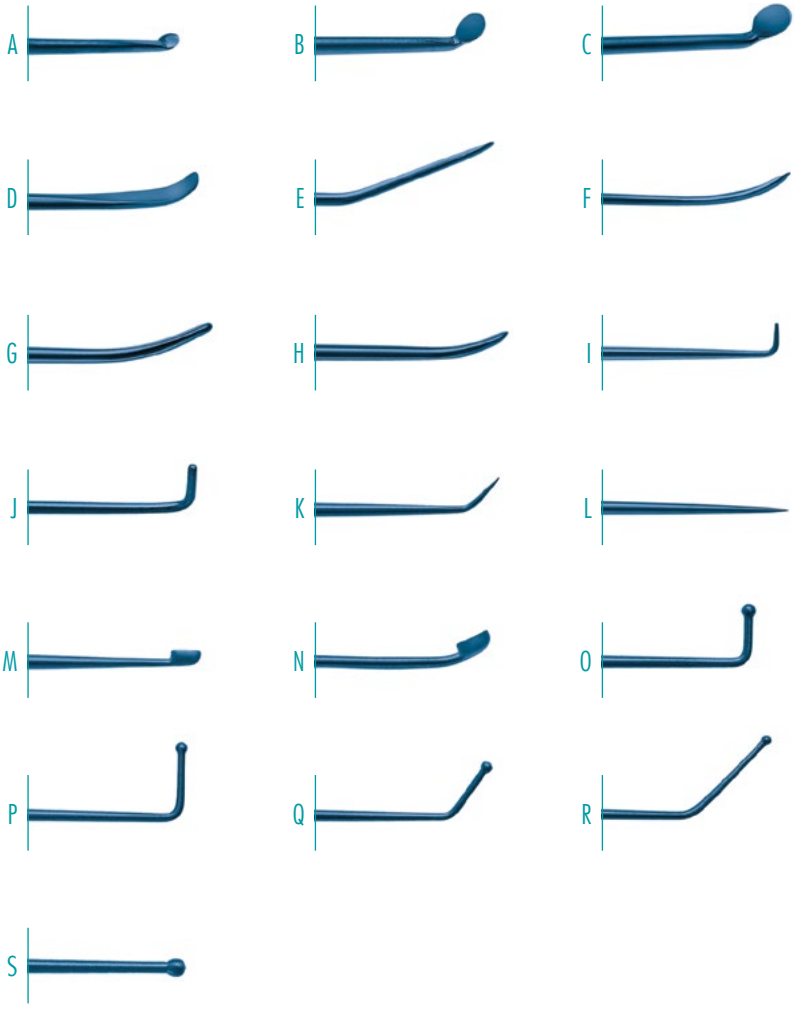
FREER
Septum Elevator, sharp/blunt, 5mm

185mm, $7^{1/4}$″	420-546-180



↑Scale 1:2

↓Scale 3:1 (A - S)



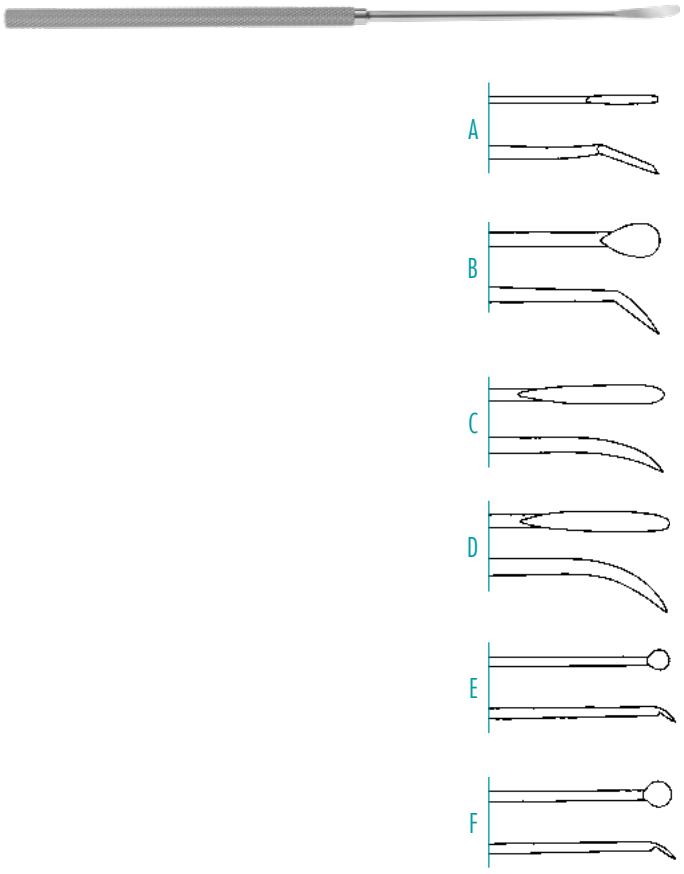


Nerve Micro Dissection Instruments, Titanium
190mm, 7 1/2"

A round, ∅ 1mm	250-501-190
B round, ∅ 2mm	250-502-190
C round, ∅ 3mm	250-503-190
D curved, 2.8mm	250-514-190
E angled, 1.2mm	250-515-190
F narrow, 1.0mm	250-517-190
G medium, 1.5mm	250-518-190
H wide, 2.0mm	250-519-190
I 90°, semi-sharp	250-520-190
J 90°, blunt	250-521-190
K 45°, semi-sharp	250-522-190
L straight, sharp	250-523-190
M straight, 1x2mm	250-524-190
N angled, 1x2mm	250-525-190
O 90°, 3mm	250-526-190
P 90°, 5mm	250-527-190
Q 45°, 4mm	250-528-190
R 45°, 8mm	250-529-190
S straight	250-530-190
T Set (+Tray)	250-501-001

Stainless Steel

A round, ∅ 1mm	250-101-190
B round, ∅ 2mm	250-102-190
C round, ∅ 3mm	250-103-190
D curved, 2.8mm	250-114-190
E angled, 1.2mm	250-115-190
F narrow, 1.0mm	250-117-190
G medium, 1.5mm	250-118-190
H wide, 2.0mm	250-119-190
I 90°, blunt, 2.3mm	250-120-190
J 90°, blunt, 2.9mm	250-121-190
K 45°, semi-sharp	250-122-190
L straight, sharp	250-123-190
M straight, 1x2mm	250-124-190
N angled, 1x2mm	250-125-190
O 90°, 3mm	250-126-190
P 90°, 5mm	250-127-190
Q 45°, 4mm	250-128-190
R 45°, 8mm	250-129-190
S straight	250-130-190
T Set (+tray)	250-101-001



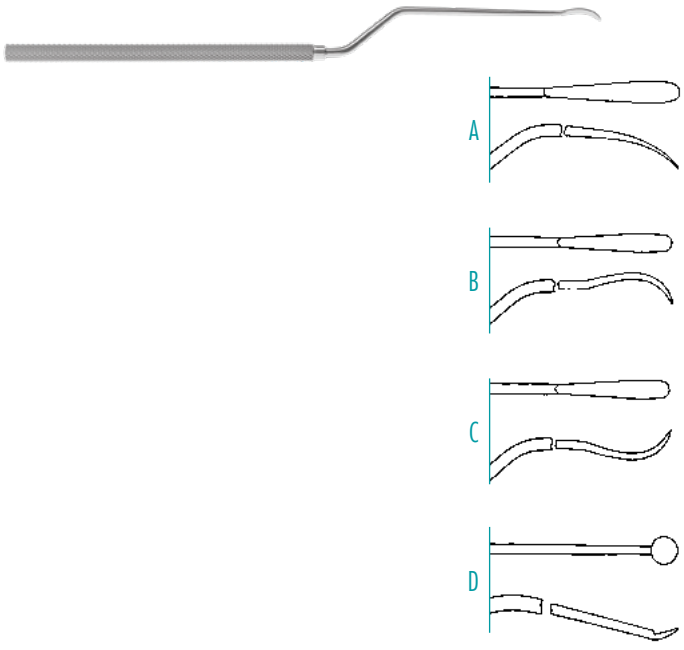
YASARGIL

Micro Raspatory, 185mm, 7 1/4"

A	250-064-301
B	250-064-303
C	250-064-304
D	250-064-305

Micro Raspatory, round blade, 230mm, 9"

E	250-064-337
F	250-064-338



YASARGIL

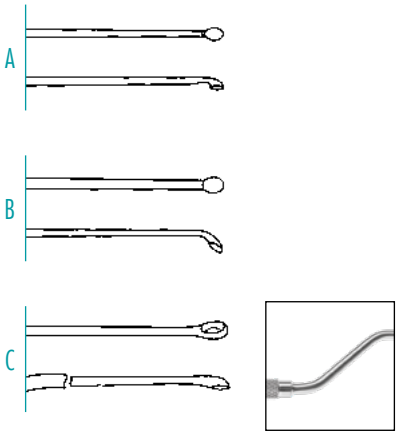
Micro Raspatory, 185mm, 7 1/4"

A	250-064-320
B	250-064-321
C	250-064-322

Micro Raspatory, 230mm, 9"

D	250-064-346





Micro Scoop, 230mm, 9″

A	250-064-335
B	250-064-336

YASARGIL

Micro Raspatory, bayonet-shape, 185mm, 7 1/4″

C	250-064-325





KOOS

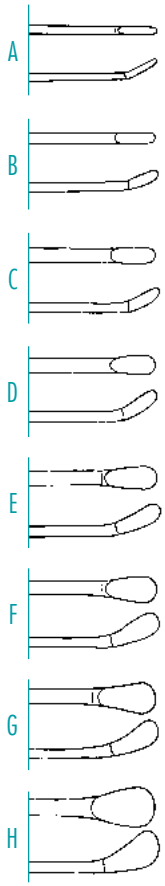
Micro Vessel Knife, 185mm, 7 1/4″

A	250-064-351
B	250-064-352
C	250-064-353
D	250-064-354
E	250-064-356
F	250-064-357

YASARGIL

G	250-064-365
H	250-064-366





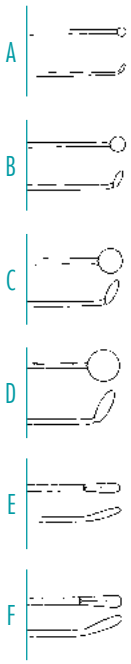
SAMII
Tumor Knife, 200mm, 8"

A 1.0mm	250-064-400
B 1.5mm	250-064-401
C 2.0mm	250-064-402
D 2.5mm	250-064-403
E 3.0mm	250-064-404
F 3.5mm	250-064-405
G 4.0mm	250-064-406
H 5.0mm	250-064-408

230mm, 9"

A 1.0mm	250-064-410
B 1.5mm	250-064-411
C 2.0mm	250-064-412
D 2.5mm	250-064-413
E 3.0mm	250-064-414
F 3.5mm	250-064-415
G 4.0mm	250-064-416
H 5.0mm	250-064-418





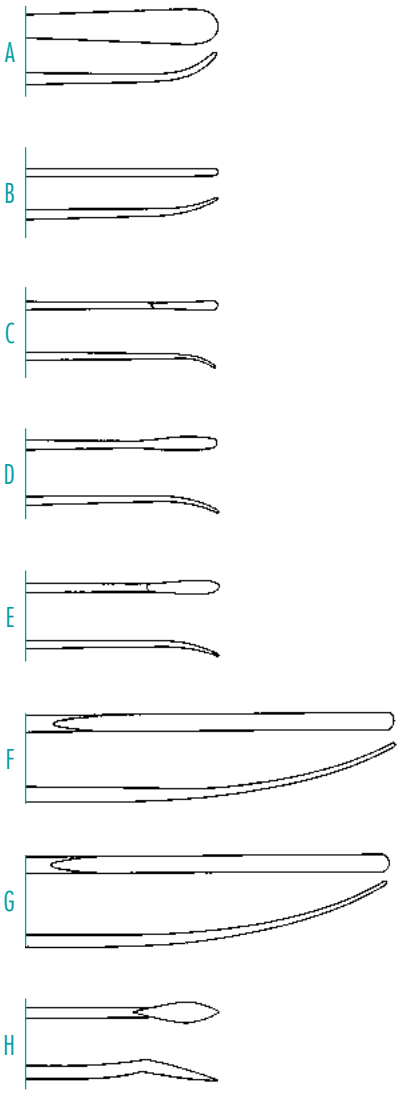
SAMII
Tumor Knife, 200mm, 8"

A 1.5mm	250-064-851
B 3.0mm	250-064-854
C 4.5mm	250-064-856
D 6.0mm	250-064-858

230mm, 9"

A 1.5mm	250-064-861
B 3.0mm	250-064-864
C 4.5mm	250-064-866
D 6.0mm	250-064-868
E 1.8mm	250-064-298
F 2.5mm	250-064-299





CASPAR
Micro Dissector, 230mm, 9"

A 4.5mm	250-066-303
C 1.4mm	250-064-332
D 2.0mm	250-064-333
E 1.8mm	250-064-334
185mm, 7 1/4"	
F 3.0mm	250-062-150
200mm, 8"	
B 1.0mm	250-066-310
215mm, 8 1/2"	
G 3.0mm	250-062-151

YASARGIL
185mm, 7 1/4"

H	250-064-302









A Nerve Hook, 262mm, $10^{1/4}$″ bayonet length, black coated, 125mm, 5″ working length

left	250-000-043
straight	250-000-042
right	250-000-044

B Micro Nerve Hook

left	250-000-046
straight	250-000-045
right	250-000-047

C Dissector

left	250-000-049
straight	250-000-048
right	250-000-050









A Probe, 269mm, $10^{2/3}$″ bayonet length, black coated, 125mm, 5″ working length

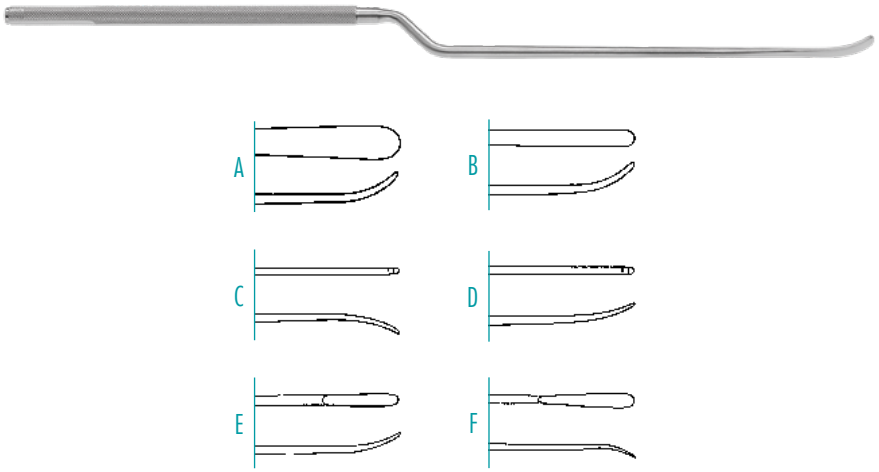
WOODSON	250-000-035

B Hook, short, 6mm

left	250-000-037
straight	250-000-036
right	250-000-038

C Hook, long, 9mm

left	250-000-040
straight	250-000-039
right	250-000-041



CASPAR
Micro Dissector, 230mm, 9"

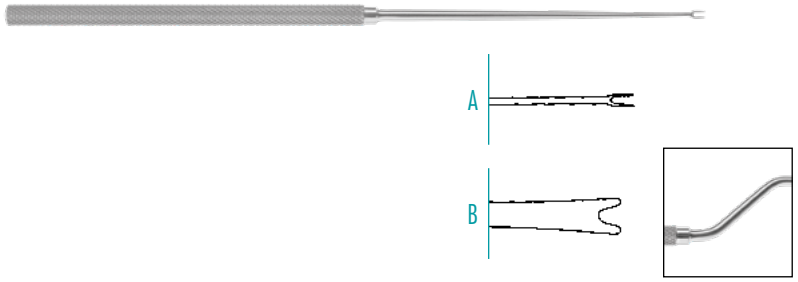
A 4.5mm	250-066-305
B 2.0mm	250-066-307

210mm, 8 1/4"

C 1.0mm	250-066-311
D 1.0mm	250-066-312

Micro Dissector, 230mm, 9"

E	250-064-343
F	250-064-344

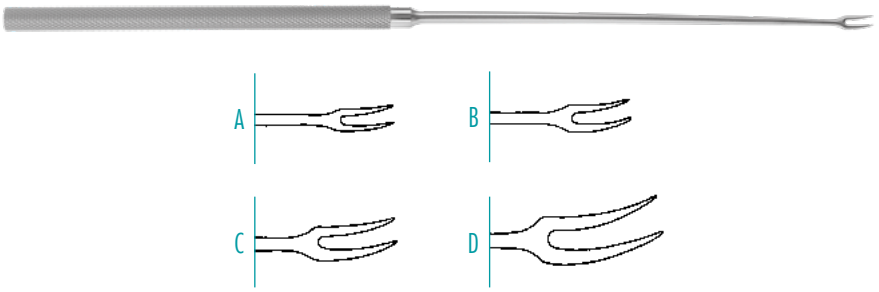


JACOBSON
A Suture Pusher

185mm, 7 1/4"	250-064-315

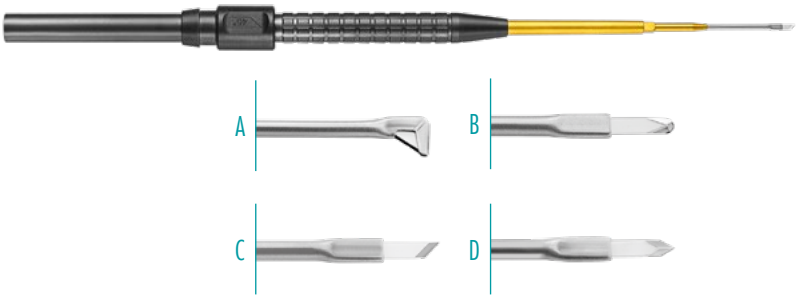
CASPAR
B Suture Pusher, bayonet-shape

230mm, 9"	250-066-309



OKONEK YASARGIL
Tumor Fork, 230mm, 9"

A 3.0mm	250-064-380
B 2.0mm	250-064-381
C 5.0mm	250-064-382
D 8.0mm	250-064-384



Diamond Knife, 7 facets, single sided
1.0 x 0.17mm, 205mm, 8 1/8"

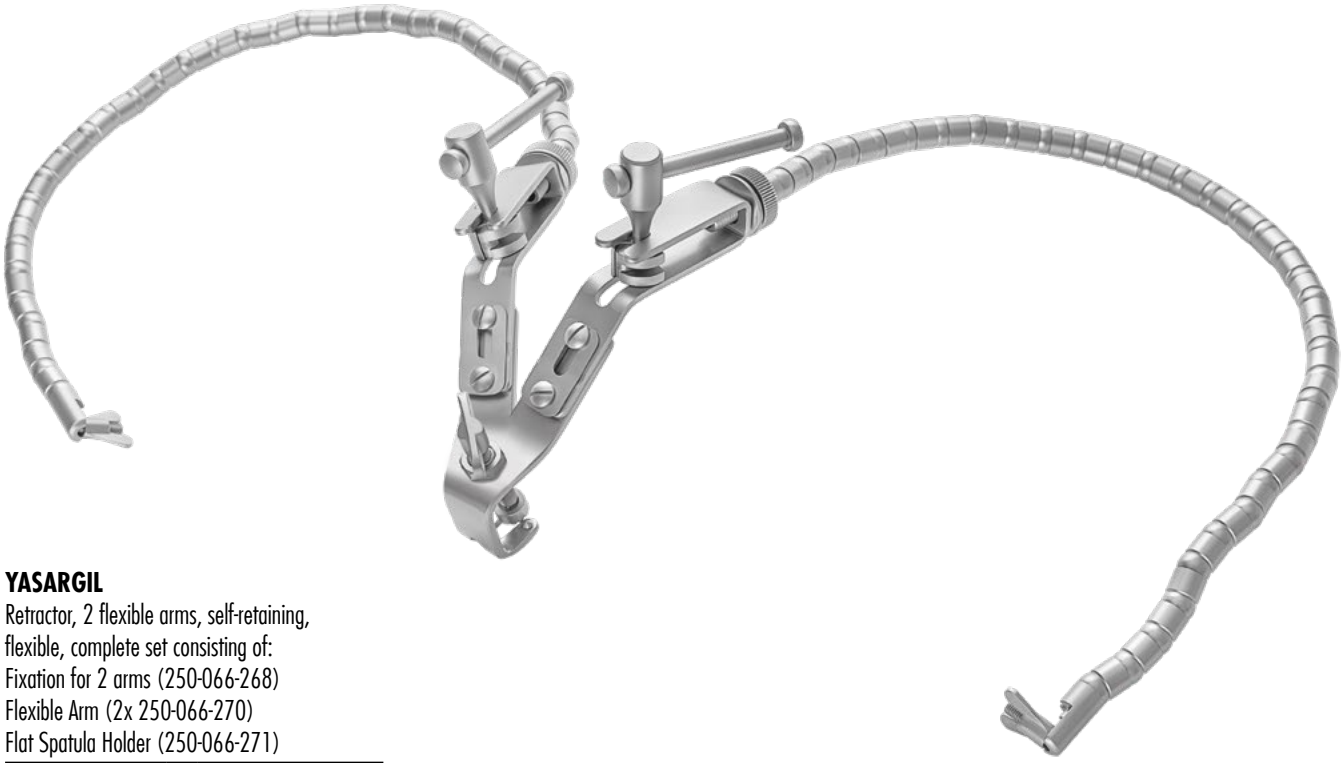
A hook 1.4 x 0.17mm	250-001-100
B round	250-001-101
C straight, 45°	250-001-102
D lancet, 60°	250-001-103

LEYLAR RETRACTOR SYSTEM



YASARGIL
Retractor, 1 flexible arm, self-retaining, flexible, complete set consisting of:
Fixation (250-066-267)
Flexible Arm (250-066-270)
Flat Spatula Holder (250-066-271)

250-066-260



YASARGIL
Retractor, 2 flexible arms, self-retaining, flexible, complete set consisting of:
Fixation for 2 arms (250-066-268)
Flexible Arm (2x 250-066-270)
Flat Spatula Holder (250-066-271)

250-066-262

LEYLAR RETRACTOR SYSTEM

A 

B 

C 

Fixation	
A for 2 arms (skull)	250-066-268
B for 1 arm (skull)	250-066-267
C for 1 arm (base)	250-066-266

A 

B 

YASARGIL
Spatula Holder

A for round shaft	250-066-272
B for flat Spatula	250-066-271



YASARGIL
Spatula, malleable

200 x 9mm	250-066-220
200 x 12mm	250-066-221
250 x 12mm	250-066-222



Spatula, malleable

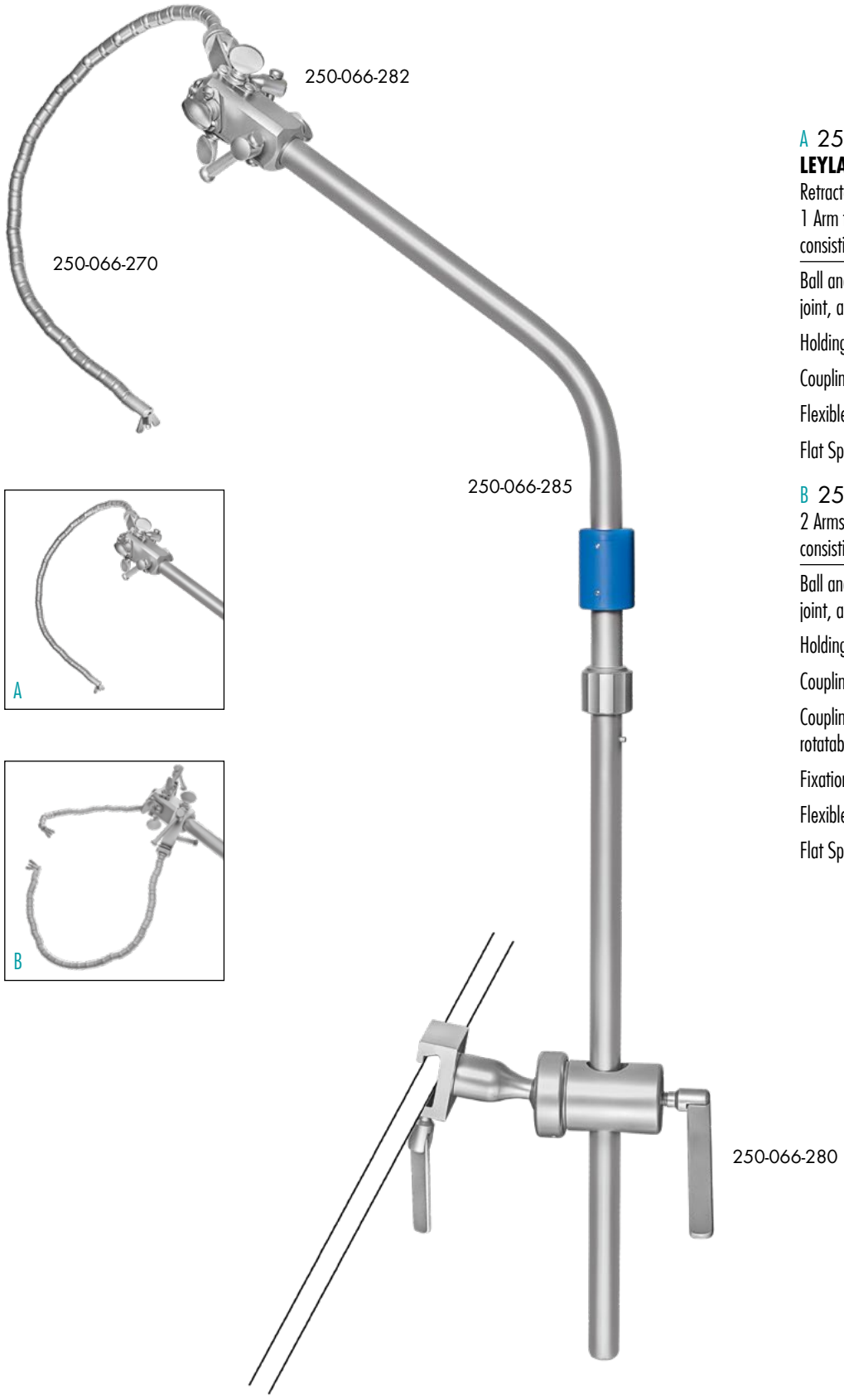
200 x 14mm	250-066-231
200 x 17mm	250-066-232
200 x 20mm	250-066-233



HEIFETZ
Spatula, malleable

155 x 8mm	250-066-256
155 x 11mm	250-066-257
155 x 14mm	250-066-258
155 x 17mm	250-066-259

LEYLAR RETRACTOR SYSTEM



A 250-066-287
LEYLAR
Retractor Set,
1 Arm for fixation to/or table siderails
consisting of:

Ball and socket joint, articulated	250-066-280
Holding rod	250-066-285
Coupling head	250-066-282
Flexible Arm	250-066-270
Flat Spatula Holder	250-066-271

B 250-066-288
2 Arms
consisting of:

Ball and socket joint, articulated	250-066-280
Holding rod	250-066-285
Coupling head	250-066-282
Coupling head, rotatable	250-066-283
Fixation Base	250-066-266
Flexible Arm	250-066-270
Flat Spatula Holder	250-066-271



CUSHING

Spatula, 170mm, 6 2/3"	
7 x 9mm	250-066-212
7 x 9mm CeraCut®	250-066-212CC
8 x 10mm	250-066-213
8 x 10mm CeraCut®	250-066-213CC

200mm, 8"	
7 x 9mm	250-066-214
7 x 9mm CeraCut®	250-066-214CC

280mm, 11"	
16 x 18mm	250-066-215
16 x 18mm CeraCut®	250-066-215CC



OLIVECRONA

Spatula, flexible, 180mm, 7"	
7 x 9mm	250-066-216
11 x 13mm	250-066-217
15 x 18mm	250-066-218
18 x 22mm	250-066-219

CeraCut®	
7 x 9mm	250-066-216CC
11 x 13mm	250-066-217CC
15 x 18mm	250-066-218CC
18 x 22mm	250-066-219CC



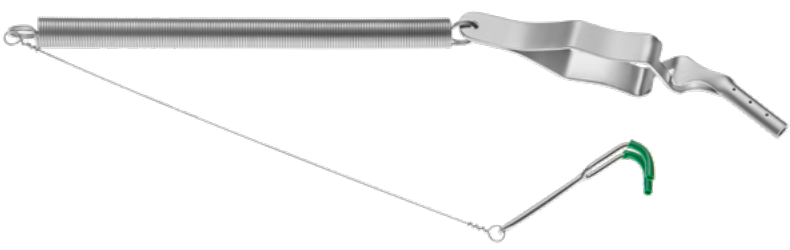
AACHEN

Spatula, 200mm 8"	
7 x 8mm	250-066-441
11 x 11mm	250-066-442
13 x 14mm	250-066-443
16 x 17mm	250-066-444
19 x 20mm	250-066-445
22 x 25mm	250-066-446



SCOVILLE

Spatula, 203mm, 8"	
13 x 9.5mm	250-066-202
19 x 16mm	250-066-203



YASARGIL

Galea Hook, 310mm, 12 1/4"	
Ø 7mm	250-066-020

410mm, 16"	
Ø 9mm	250-066-022

GRUENBERG RETRACTOR & HAND REST SYSTEM



(Setup example)

250-050-150
GRUENBERG
Retractor Kit, consisting of:

Primary Bar (2x)	250-050-007
Secodary Bar (4x)	250-050-002
Large Arm Retractor (4x)	250-050-009
Blade 1.6 x 19mm (1x)	250-050-050
Blade 2.0 x 10mm (1x)	250-050-051
Blade 3.0 x 13mm (1x)	250-050-052
Blade 4.0 x 16mm (1x)	250-050-053
Blade 6.0 x 19mm (1x)	250-050-054
Hand Rest (1x)	250-050-012
Pattie Tray (1x)	250-066-513

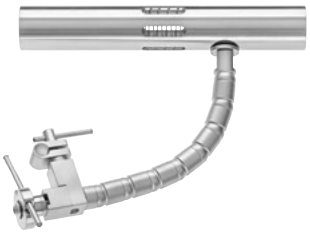
GRUENBERG RETRACTOR & HAND REST SYSTEM

A 

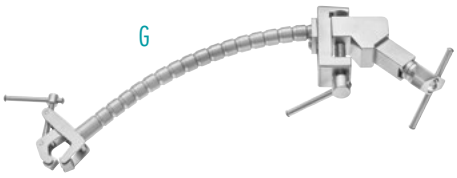
B 

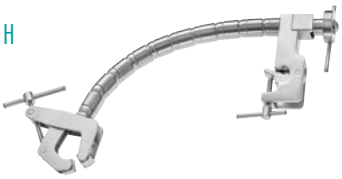
C 

D 

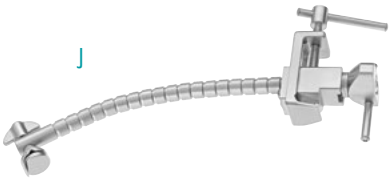
E 

F 

G 

H 

I 

J 

K 

L 

M 

GRUENBERG
Single Parts

A	Primary Bar, 152mm	250-050-007
B	Secondary Bar, 305mm	250-050-002
C	Floating Secondary Bar	250-050-003
D	Short Coupler	250-050-004
E	Hand Rest	250-050-012
F	Small Instrument Holder (up to 8mm)	250-050-030
G	Large Instrument Holder (up to 25mm)	250-050-031
H	Extra Large Instrument Holder (up to 51mm)	250-050-032
I	Micro Instrument Holder (up to 3mm)	250-050-033
J	Arm Retractor, short (165mm)	250-050-011
	Arm Retractor, large (240mm)	250-050-009

K	Blade, 1.6 x 19mm	250-050-050
	Blade, 2.0 x 10mm	250-050-051
	Blade, 3.0 x 13mm	250-050-052
	Blade, 4.0 x 16mm	250-050-053
	Blade, 6.0 x 19mm	250-050-054
L	Pattie Tray with towel clamps, 75 x 170 x 20mm	250-066-513
M	Sterilization Tray with 4 components, 480 x 253 x 70mm	600-050-514





A MF Headrest System, complete with skull clamp

Aluminium	250-140-100

B MF Headrest System, with horseshoe headrest

Aluminium	250-140-105





A PREMIUM
MF Headrest System, complete with skull clamp

Coated	250-140-101

B PREMIUM
MF Headrest System, with horseshoe headrest

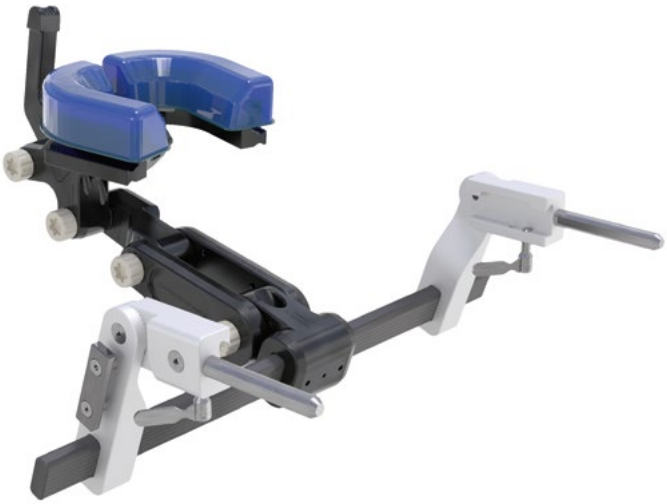
Coated	250-140-106

Note: further information about the MF Headrest System is available on request.



MF Headrest System, completely radolucent

Polymer scull clamp	250-140-102



MF Headrest System, with horseshoe headrest, completely radolucent

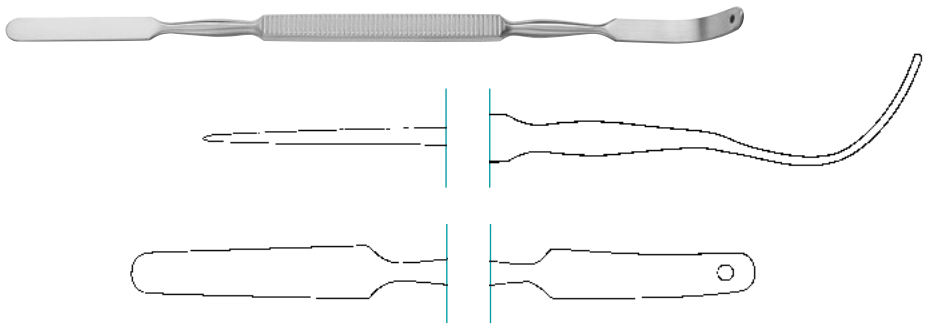
Polymer scull clamp	250-140-107



MF Headrest System Table adapter with screws, for MRI

Polymer	250-140-108

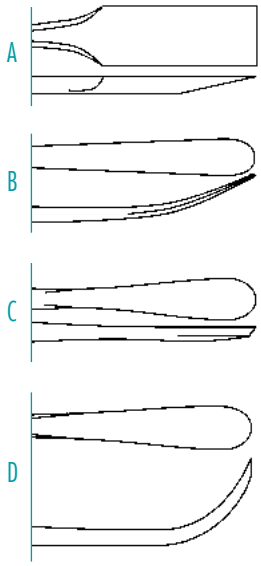
Note: further information about the MF Headrest System is available on request.



MCDONALD
Elevator, straight / curved

190mm, 7 1/2"	210-527-190

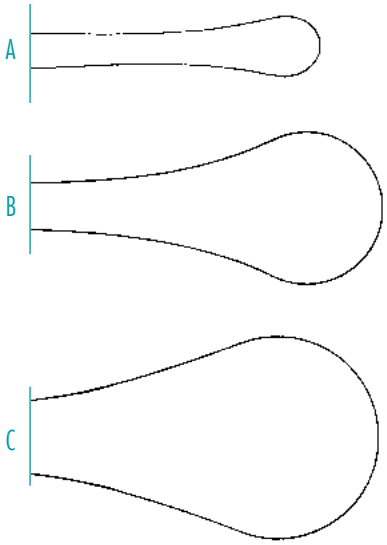




ADSON
Elevator, 8mm, 170mm, 6 2/3"

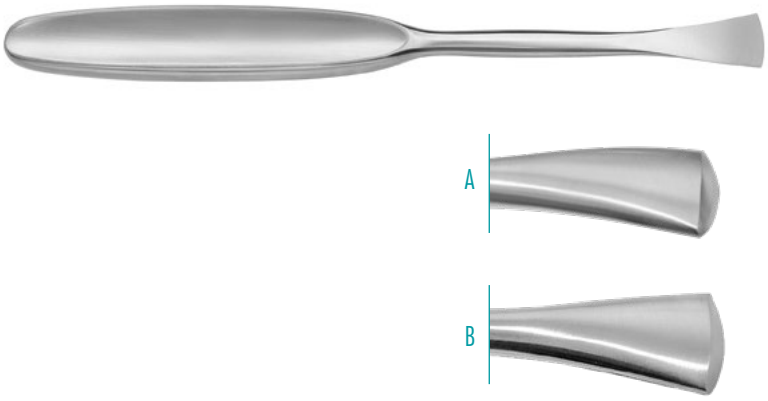
A straight, sharp	210-484-170
B curved, blunt	210-485-170
7mm	
C straight, semi-sharp	210-486-170
D curved, semi-sharp	210-487-170





HOEN
Periosteal Elevator, 7mm

A 160mm, 6 1/4"	210-455-007
15mm	
B 185mm, 7 1/4"	210-455-015
20mm	
C 190mm, 7 1/2"	210-455-020

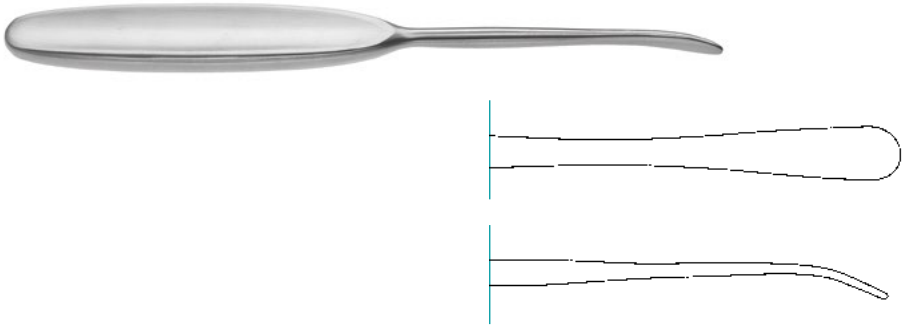


CUSHING
Periosteal Elevator
sharp end with rounded edge, 15mm

A 190mm, 7 1/2"	210-460-001

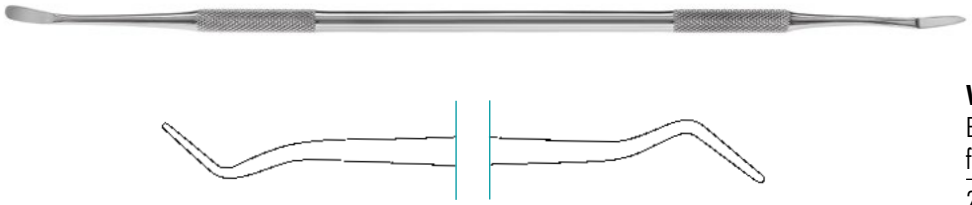
sharp end with square edge

B 190mm, 7 1/2"	210-460-003



CUSHING LITTLE JOKER
Periosteal Elevator

150mm, 6"	210-488-150
190mm, 7 1/2"	210-488-190



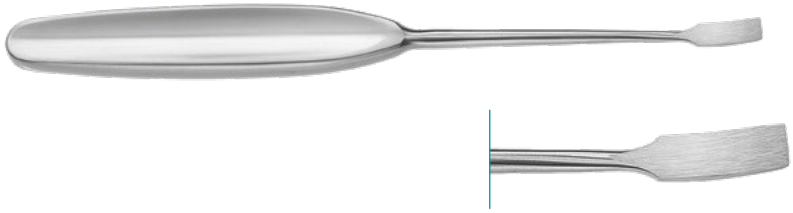
WOODSON
Elevator and Spatula, semi-sharp, 3mm,
flat end 4mm

254mm 10"	250-746-250



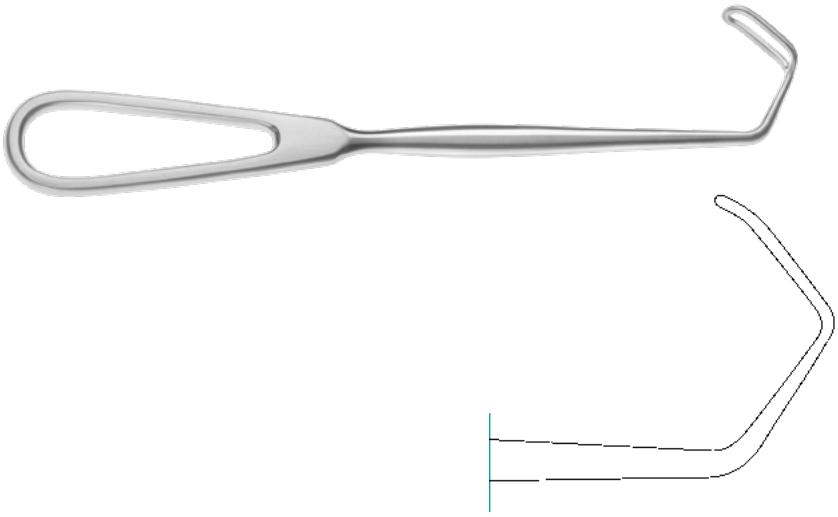
CLOWARD
Osteophyte Elevator, round handle,
90° curved tip, sharp

200mm, 8″	259-252-000



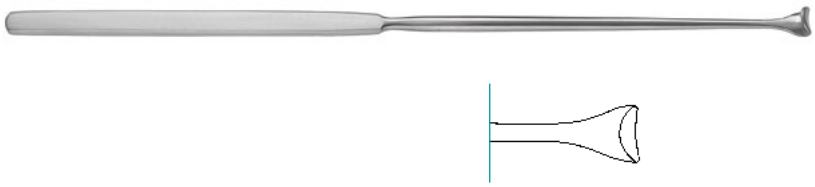
Periosteal Elevator
curved tip, 200mm, 8″

5.0mm	250-285-394
6.5mm	250-285-395
8.0mm	250-285-396



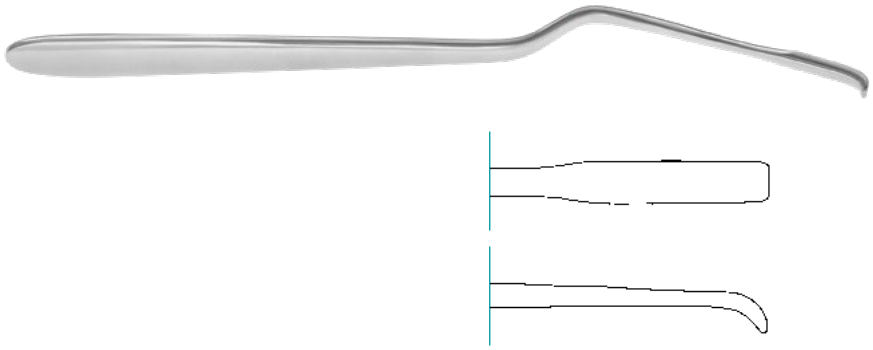
CUSHING
Retractor
22mm wide, open handle

210mm, 8 1/4″	170-237-210



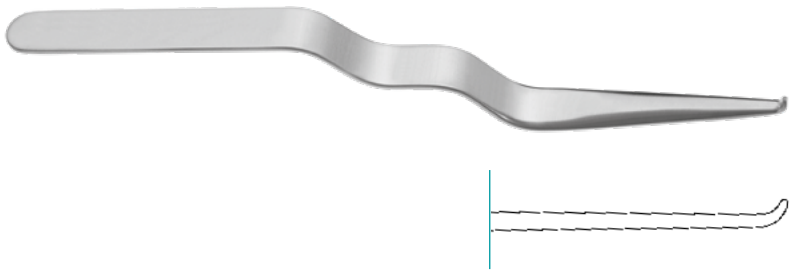
LOVE
Nerve Root Retractor
190mm, 7 1/2″

straight	250-694-190
45°	250-695-190
90°	250-697-190



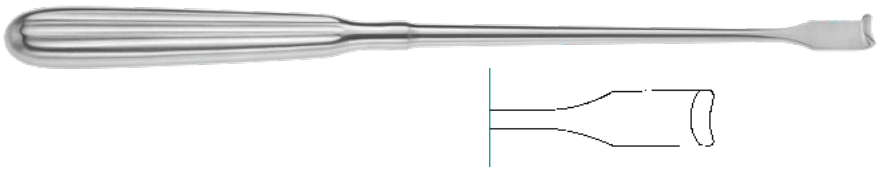
D'ERRICO
Nerve Spatula, bayonet shaped,
6mm wide

230mm, 9″	250-689-230



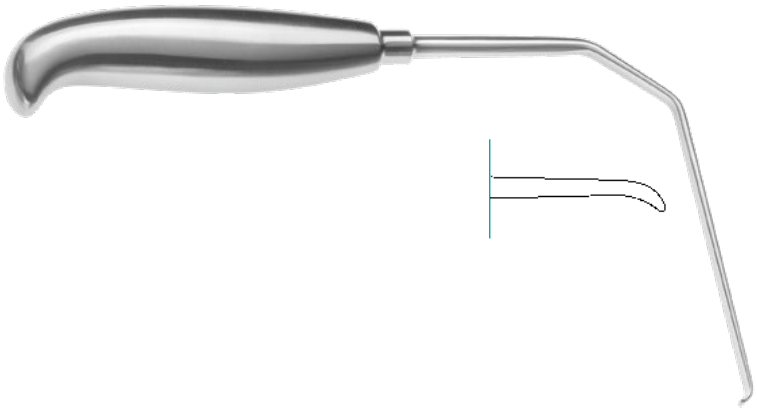
KRAYENBÜHL
Nerve Root Retractor
with guide groove, double bayonet shaped

210mm, 8 1/4″	250-688-210
245mm, 9 2/3″	250-688-245



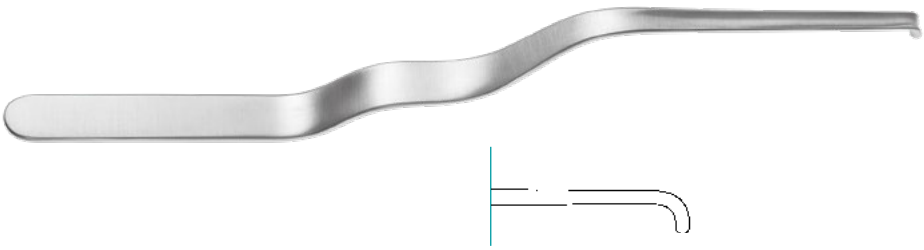
SCOVILLE
Nerve Root Retractor, 230mm, 9″

straight	250-698-230
45°	
90°	



HESS
Nerve Root Retractor, angled
175mm, 6 7/8″

3mm	250-690-030
4mm	250-690-040
5mm	250-690-050
7mm	250-690-070



CASPAR
Nerve Root Retractor
175mm, 6 7/8″

4mm	250-690-240
6mm	250-691-240
8mm	250-692-240
10mm	250-693-240



A Forward straight



#0 #00 #000 #0000 Cortical Bone Cutter

B Forward angled



#0 #00 #000 #0000 Cortical Bone Cutter

C Backward straight



#0 #00 #000 #0000 Cortical Bone Cutter

D Backward angled



#0 #00 #000 #0000 Cortical Bone Cutter

E Hooks



Nerve Hook | Micro Nerve Hook | Cervical Bone Waxer

Microdiscectomy
Cervical Curette, 210mm, $8^{1/4}$"

A forward straight

#0	259-100-100
#00	259-100-200
#000	259-100-300
#0000	259-100-400
Cortical Bone Cutter	259-100-500

B forward angled

#0	259-101-100
#00	259-101-200
#000	259-101-300
#0000	259-101-400
Cortical Bone Cutter	259-101-500

C backward straight

#0	259-102-100
#00	259-102-200
#000	259-102-300
#0000	259-102-400
Cortical Bone Cutter	259-102-500

D backward angled

#0	259-103-100
#00	259-103-200
#000	259-103-300
#0000	259-103-400
Cortical Bone Cutter	259-103-500

E Hooks

Nerve Hook	259-104-001
Micro Nerve Hook	259-104-002
Cervical Bone Waxer	259-104-003





A Forward straight



#0 #1 #2



B Forward angled



#0 #1 #2



C Forward down angled



#0 #1 #2



D Backward straight



#0 #1 #2



E Backward angled



#0 #1 #2



F Backward down angled



#0 #1 #2

G Instruments



Penfield Dissector #1 | Penfield Dissector #2 | Nerve Hook | Penfield Dissector #4 | Bone Waxer | Spine Probe

Microdiscectomy
Lumbar Curette, 240mm, 9 1/2"

A forward straight

#0	259-120-100
#1	259-120-001
#2	259-120-002

B forward angled

#0	259-121-100
#1	259-121-001
#2	259-121-002

C forward down angled

#0	259-122-100
#1	259-122-001
#2	259-122-002

D backward straight

#0	259-124-100
#1	259-124-001
#2	259-124-002

E backward angled

#0	259-125-100
#1	259-125-001
#2	259-125-002

F backward down angled

#0	259-126-100
#1	259-126-001
#2	259-126-002

G Instruments

Penfield Dissector #1	259-127-001
Penfield Dissector #2	259-127-002
Nerve Hook	259-127-003
Penfield Dissector #4	259-127-004
Bone Waxer	259-127-005
Spine Probe	259-127-006



A Forward straight



#0 #00 #000 #0000 Cortical Bone Cutter

B Forward angled



#0 #00 #000 #0000 Cortical Bone Cutter

C Backward straight



#0 #00 #000 #0000 Cortical Bone Cutter

D Backward angled



#0 #00 #000 #0000 Cortical Bone Cutter

E Hooks



Nerve Hook | Micro Nerve Hook | Cervical Bone Waxer

Microdiscectomy
Cervical Curette, 240mm, 9 1/2"

A forward straight	
#0	259-110-100
#00	259-110-200
#000	259-110-300
#0000	259-110-400
Cortical Bone Cutter	259-110-500
B forward angled	
#0	259-111-100
#00	259-111-200
#000	259-111-300
#0000	259-111-400
Cortical Bone Cutter	259-111-500
C backward straight	
#0	259-112-100
#00	259-112-200
#000	259-112-300
#0000	259-112-400
Cortical Bone Cutter	259-112-500
D backward angled	
#0	259-113-100
#00	259-113-200
#000	259-113-300
#0000	259-113-400
Cortical Bone Cutter	259-113-500
E Hooks	
Nerve Hook	259-114-001
Micro Nerve Hook	259-114-002
Cervical Bone Waxer	259-114-003



259-100-000
Cervical Microdiscectomy Set
consisting of:

259-100-200
259-100-300
259-100-400
259-101-100
259-101-300
259-101-400
259-102-300
259-102-400
259-103-200
259-103-300
259-104-001
259-104-002
600-404-000

259-110-000
Cervical Microdiscectomy Set
consisting of:

259-110-100
259-110-300
259-110-400
259-111-100
259-111-200
259-111-300
259-112-100
259-112-200
259-112-300
259-113-100
259-113-300
259-113-400
600-404-000

259-120-000
Lumbar Microdiscectomy Set
consisting of:

259-120-001
259-120-002
259-121-001
259-121-002
259-122-001
259-122-002
259-124-002
259-125-001
259-126-100
259-126-001
259-127-001
259-127-004
600-404-000

Case for Micro Curettes,
12 Instruments (not illustrated)

265 x 255 x 45mm	600-404-000



A Bayonet straight



#00 #000 #0000

B Bayonet 45° angled



#00 #000 #0000

C Bayonet 80° angled



#00 #000 #0000

Micro Spinal Curettes, 210mm, 8 1/4"

A Bayonet straight	
#00	259-140-200
#000	259-140-300
#0000	259-140-400
B Bayonet 45° angled	
#00	259-141-200
#000	259-141-300
#0000	259-141-400
C Bayonet 80° angled	
#00	259-142-200
#000	259-142-300
#0000	259-142-400



A Forward angled



#1 #2 #3 #4 #5

B Backward angled



#1 #2 #3 #4 #5

C Dissectors



3mm 5mm

Micro Spinal Curette, 250mm, 9 7/8"

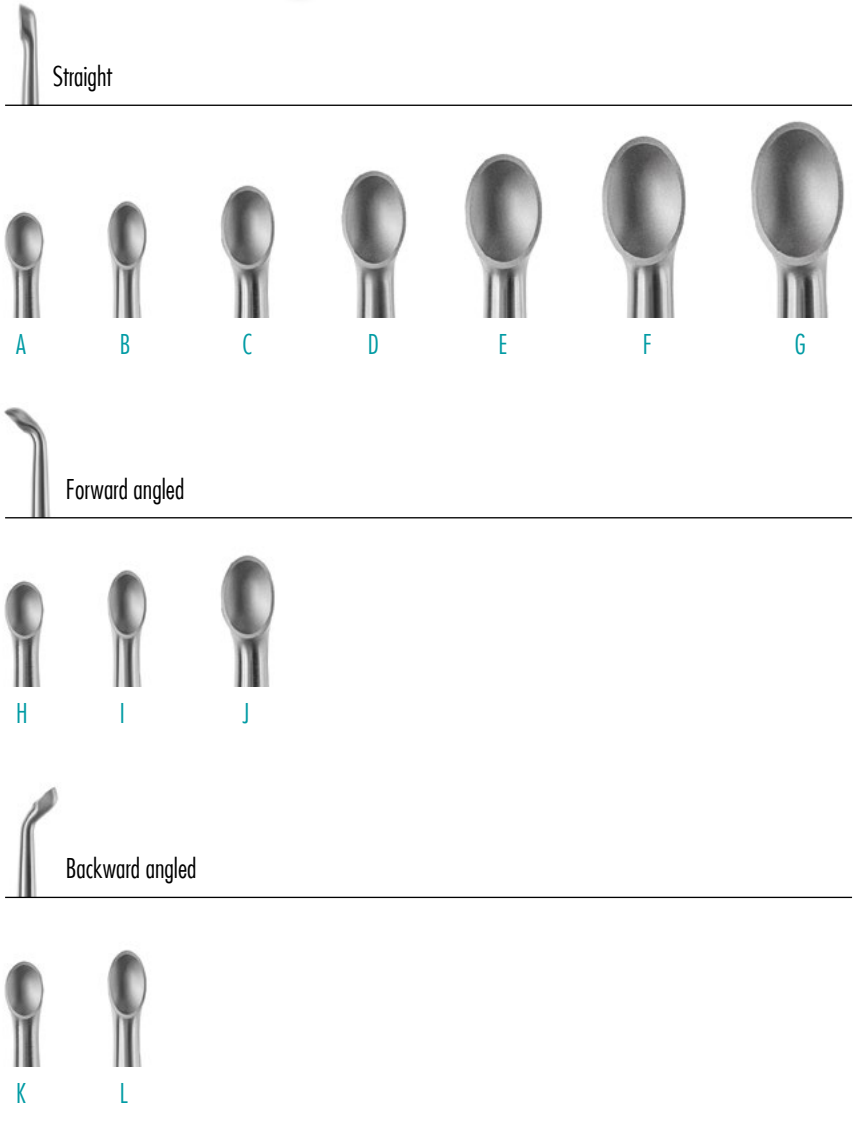
A forward angled	
#1	259-130-001
#2	259-130-002
#3	259-130-003
#4	259-130-004
#5	259-130-005
B backward angled	
#1	259-131-001
#2	259-131-002
#3	259-131-003
#4	259-131-004
#5	259-131-005
C Dissector, straight	
3mm	259-132-003
5mm	259-132-005





Curette measurements	
Overall length	320mm, 12 1/2″
Handle length	200mm, 8″
Working length	125mm, 5″
Handle diameter	28mm, 1 1/10″

XL Curette measurements	
Overall length	340mm, 13 1/3″
Handle length	220mm, 8 2/3″
Working length	125mm, 5″
Handle diameter	32mm, 1 1/3″



Cup Curette Set with 12 Curettes
consisting of:

straight		
A	7mm	259-152-007
B	9mm	259-152-009
C	11mm	259-152-011
D	13mm	259-152-013
E	15mm	259-152-015
F	17mm	259-152-017
G	19mm	259-152-019
forward angled		
H	7mm	259-152-107
I	9mm	259-152-109
J	11mm	259-152-111
backward angled		
K	7mm	259-152-207
L	9mm	259-152-209

Cup Curette Set with 12 XL Curettes
consisting of:

straight		
A	7mm	259-155-007
B	9mm	259-155-009
C	11mm	259-155-011
D	13mm	259-155-013
E	15mm	259-155-015
F	17mm	259-155-017
G	19mm	259-155-019
forward angled		
H	7mm	259-155-107
I	9mm	259-155-109
J	11mm	259-155-111
backward angled		
K	7mm	259-155-207
L	9mm	259-155-209





Chisel measurements

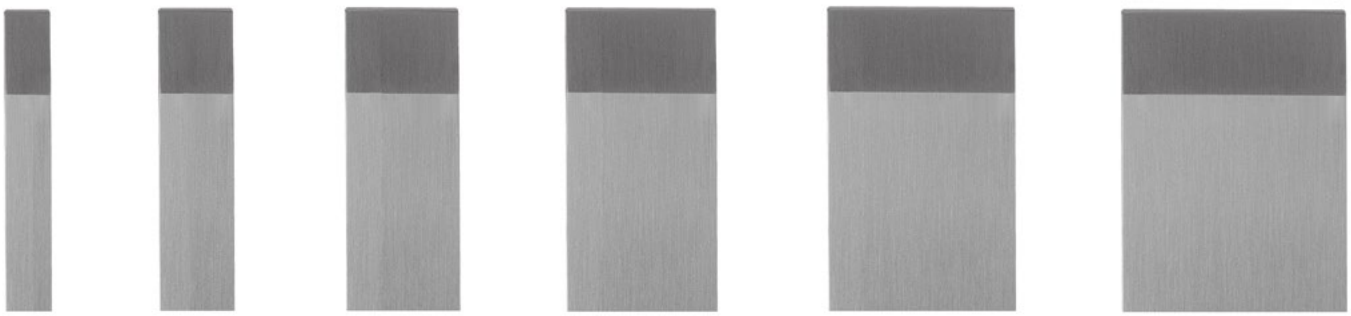
Overall length	270mm, $10^{2/3}$″
Handle length	145mm, $5^{3/4}$″
Working length	125mm, 5″
Handle diameter	32mm, $1^{1/3}$″

Chisel Set with 6 Chisels, straight
consisting of:

A 6mm	259-151-006
B 10mm	259-151-010
C 15mm	259-151-015
D 20mm	259-151-020
E 25mm	259-151-025
F 30mm	259-151-030
Sterilizing Case	259-151-002

Chisel Set with 6 Chisels, curved
consisting of:

A 6mm	259-151-106
B 10mm	259-151-110
C 15mm	259-151-115
D 20mm	259-151-120
E 25mm	259-151-125
F 30mm	259-151-130
Sterilizing Case	259-151-002



A B C D E F





Ring Curette measurements	
Overall length	320mm, 12 1/2″
Handle length	200mm, 8″
Working length	125mm, 5″
Handle diameter	28mm, 1 1/10″

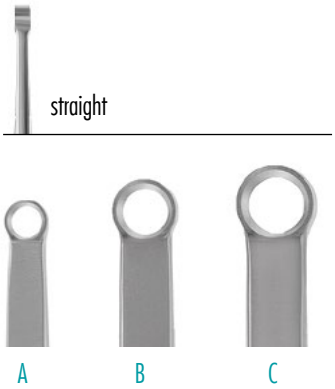
XL Ring Curette measurements	
Overall length	340mm, 13 1/3″
Handle length	220mm, 8 2/3″
Working length	125mm, 5″
Handle diameter	32mm, 1 1/3″

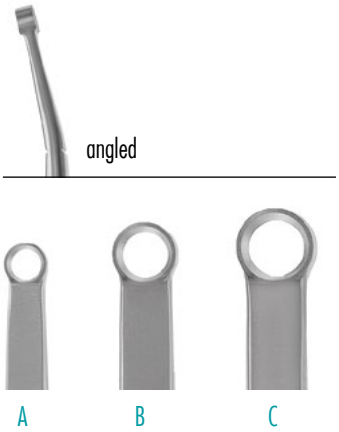
Ring Curette Set with 6 Ring Curettes
consisting of:

straight		
A	6mm	259-153-006
B	8mm	259-153-008
C	11mm	259-153-010
angled		
A	6mm	259-153-106
B	8mm	259-153-108
C	11mm	259-153-110

Ring Curette Set with 6 XL Ring Curettes
consisting of:

straight		
A	6mm	259-154-006
B	8mm	259-154-008
C	11mm	259-154-010
angled		
A	6mm	259-154-106
B	8mm	259-154-108
C	11mm	259-154-110







Elevator measurements	
Overall length	320mm, 12 1/2″
Handle length	200mm, 8″
Working length	125mm, 5″
Handle Diameter	28mm, 1 1/10″

XL Elevator measurements	
Overall length	340mm, 13 1/3″
Handle length	220mm, 8 2/3″
Working length	125mm, 5″
Handle diameter	32mm, 1 1/3″

Elevator Set with 6 Elevators consisting of:

A	10mm	259-157-010
B	15mm	259-157-015
C	20mm	259-157-020
D	25mm	259-157-025
E	30mm	259-157-030
F	35mm	259-157-035

Elevator Set with XL 6 Elevators consisting of:

A	10mm	259-158-010
B	15mm	259-158-015
C	20mm	259-158-020
D	25mm	259-158-025
E	30mm	259-158-030
F	35mm	259-158-035


A


B


C


D


E


F



SMITH PETERSON
Mallet with brass head, aluminium handle,
Ø 38mm, 282g

Overall length 165mm, 6 1/2" — 259-149-165



Mallet, large, Ø 31.8mm, 340g

Overall length 247mm, 9 2/3" — 259-149-002



Mallet, small, Ø 22.5mm, 193g

Overall length 241mm, 9 1/3" — 259-149-001



CLOWARD

Retractor, 112mm handle length

70x13mm	259-260-001
75x18mm	259-260-002
75x20mm	259-260-003
75x23mm	259-260-004



TAYLOR

Spinal Retractor, 185mm, 7 1/4"

70x30mm	210-571-165
85x30mm	210-572-165
100x30mm	210-573-165



HIBBS

Retractor, Fig. 0, 230mm, 9"

25x13mm	170-200-000

Fig. 1, 230mm, 9"

75x25mm	170-200-001

Fig. 2, 240mm, 9 1/2"

80x25mm	170-200-002



HIBBS
2-piece Retractor Set
19x50mm blade

235mm, $9^{1/4}$″	250-979-235



INGE
Lamina Spreader, with teeth

170mm, $6^{2/3}$″	250-975-170
270mm, $10^{2/3}$″	250-975-270



Lamina Spreader

265mm, $10^{1/2}$″	250-978-265



CUSHING LANDOLT
Specula for transsphenoidal hypophysectomy, black finishing

70 x 15mm	250-150-100
100 x 15mm	250-150-102



PAPAVERO CASPAR
Specula for trans-sphenoidal hypophysectomy, stainless steel

80 x 11mm	250-150-589
90 x 13mm	250-150-590
100 x 15mm	250-150-591
black finishing	
80 x 11mm	250-150-689
90 x 13mm	250-150-690
100 x 15mm	250-150-691
Key for specula	
	250-150-592



Transnasal Speculum, stainless steel, matted	
80 x 9mm	250-150-280
90 x 9mm	250-150-290
100 x 9mm	250-150-300



MEYERDING
Laminectomy Retractor, 200mm, 8"

25x32mm blade	170-791-001
25x54mm blade	170-791-002
19x60mm blade	170-791-003
25x60mm blade	170-791-004



MEYERDING
Hemi Laminectomy Retractor, 180mm, 7"
10mm wide blade, solid blade left

50mm	170-792-001
60mm	170-792-002
70mm	170-792-006

solid blade right

50mm	170-793-001
60mm	170-793-008
70mm	170-793-007

20mm wide blade, solid blade left

50mm	170-792-004
60mm	170-792-003
70mm	170-792-005

solid blade right

50mm	170-793-004
60mm	170-793-005
70mm	170-793-002



MARKHAM MEYERDING
Laminectomy Retractor, 165mm, $6^{1/2}$"
solid blade left

25x65mm	170-790-007

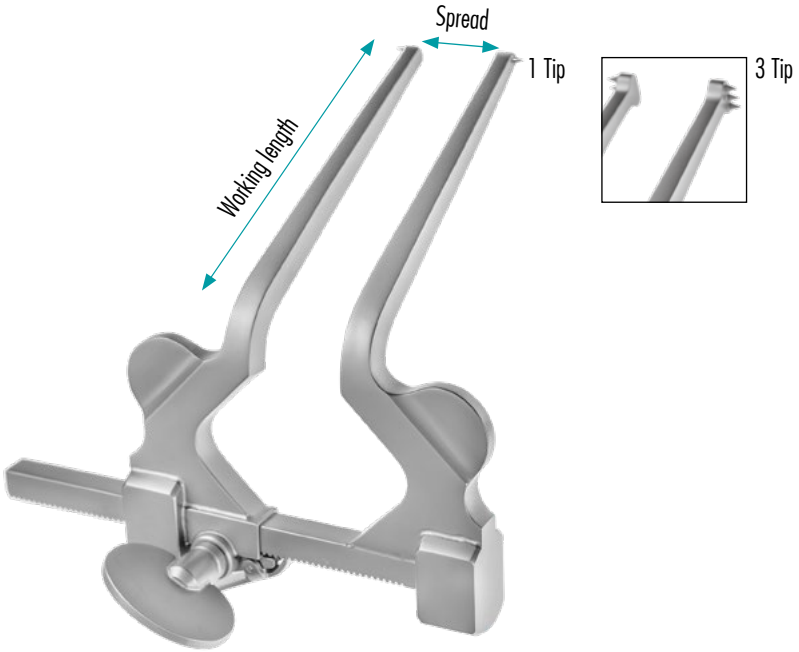
solid blade right

25x65mm	170-790-008



Vertebral Distractor, 127mm length

18mm spread	250-259-018



Vertebral Distractor, with 3 tips,
70mm working length

70mm spread	250-259-070



CLOWARD
Lamina Spreader

160mm, 6 1/4"	250-973-160



CLOWARD
Self-Retaining Retractor Set, 150mm, 6″
complete with 5 blades

58mm spread	170-780-160
Blades (pair)	
40mm, $1^{5/8}$″	170-780-040
45mm, $1^{6/8}$″	170-780-045
50mm, 2″	170-780-050
55mm, $2^{1/8}$″	170-780-055
60mm, $2^{3/8}$″	170-780-060





CLOWARD
Self-Retaining Retractor Set, 250mm, 9 7/8″
complete with 5 pairs of blades

170-774-000

Blades (pair)	
40mm, 1 5/8″	170-774-040
45mm, 1 6/8″	170-774-045
50mm, 2″	170-774-050
55mm, 2 1/8″	170-774-055
60mm, 2 3/8″	170-774-060

SCOVILLE DISTRACTOR



SCOVILLE HAVERVIELD

Spreader, rigid arms, without valves	
171mm spread	170-906-000
hinged arms, without valves	
171mm spread	170-906-001



Hook, blunt	
51mm	170-906-102
75mm	170-906-104



Hook, with crossbar	
51mm	170-906-106
75mm	170-906-108



Blade, toothed	
26 x 63mm	170-906-122
51 x 63mm	170-906-124
32 x 66mm	170-906-126
26 x 89mm	170-906-128



Blade, forked, blunt	
38 x 41mm	170-906-144
48 x 66mm	170-906-145



MEYERDING
Blade, toothed

26 x 61mm	170-906-162
26 x 67mm	170-906-164
51 x 89mm	170-906-166



HIBBS
Blade, toothed

26 x 51mm	170-906-182
51x 51mm	170-906-184
26 x 63mm	170-906-186
38 x 63mm	170-906-188
26 x 76mm	170-906-190
38 x 76mm	170-906-192
51 x 76mm	170-906-194
26 x 101mm	170-906-196
51 x 101mm	170-906-198



TAYLOR
Blade

32 x 76mm	170-906-120
32 x 101mm	170-906-121



TAYLOR
Blade, forked, sharp

38 x 44mm	170-906-132



TAYLOR
Blade, forked, blunt

51 x48mm	170-906-141
63 x 63mm	170-906-142
58 x 82mm	170-906-143

CASPAR CERVICAL DISTRACTOR



CASPAR
Cervical Distractor System



CASPAR
Cervical Distractor with 110mm rack
for two-level distraction

left approach	259-190-110
right approach	259-190-111

with 130mm rack
for multi-level distraction

left approach	259-190-130
right approach	259-190-131



CASPAR
Drill Guide

left	259-190-200
right	259-190-300

CASPAR CERVICAL DISTRACTOR



CASPAR
Drill Bit, 2.35mm shank, 148mm overall length
∅ 1.7mm

8mm drilling depth	259-190-408
14mm drilling depth	259-190-414



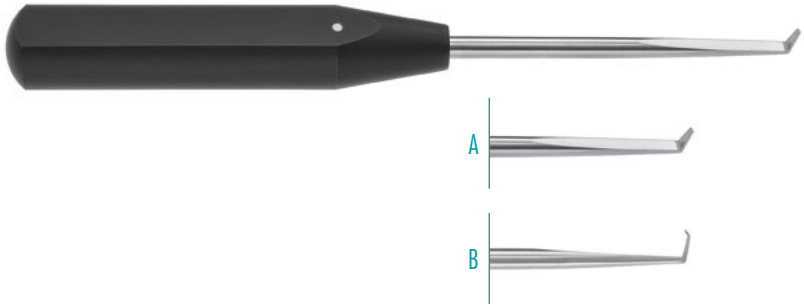
CASPAR
Distraction Screw, self-drilling

12mm	259-190-512
14mm	259-190-514
16mm	259-190-516
18mm	259-190-518



CASPAR
Screw Driver, 200mm overall length

259-190-550



CASPAR
Dissector, 205mm, 8 1/4″

A	259-185-917
B	259-185-918

CASPAR CERVICAL RETRACTOR SYSTEM



CASPAR
CCR Basis Retractor, double hinged arms, reverse butterfly screw, distal hinge made of titanium

259-180-490



CASPAR
Basis Counter Retractor, double hinged arms, distal hinge made of titanium

259-180-470



CASPAR
Counter Retractor, distal hinge made of titanium

259-180-480

CASPAR CERVICAL RETRACTOR SYSTEM



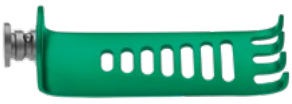
CASPAR
Side Load Handle for use with titanium blades
259-180-100



CASPAR
Caspar Handle for blades, side load,
cannulated, with Luer Lock, ratchet mechanism
259-180-101

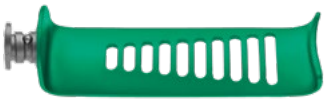


CASPAR
Depth Gauge
259-180-200



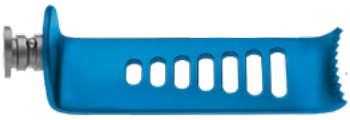
Titanium Medial/Lateral Blade, 4 prongs,
19mm width

25mm	259-180-125
30mm	259-180-130
35mm	259-180-135
40mm	259-180-140
45mm	259-180-145
50mm	259-180-150
55mm	259-180-155
60mm	259-180-160
65mm	259-180-165
70mm	259-180-170
75mm	259-180-175



Titanium Longitudinal Blade, blunt
19mm width

25mm	259-180-225
30mm	259-180-230
35mm	259-180-235
40mm	259-180-240
45mm	259-180-245
50mm	259-180-250
55mm	259-180-255
60mm	259-180-260
65mm	259-180-265
70mm	259-180-270
75mm	259-180-275



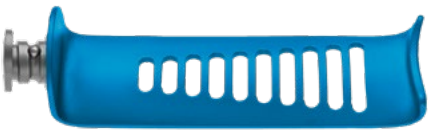
Titanium Lateral Blade, 8 teeth
24mm width

25mm	259-180-325
30mm	259-180-330
35mm	259-180-335
40mm	259-180-340
45mm	259-180-345
50mm	259-180-350
55mm	259-180-355
60mm	259-180-360
65mm	259-180-365
70mm	259-180-370
75mm	259-180-375



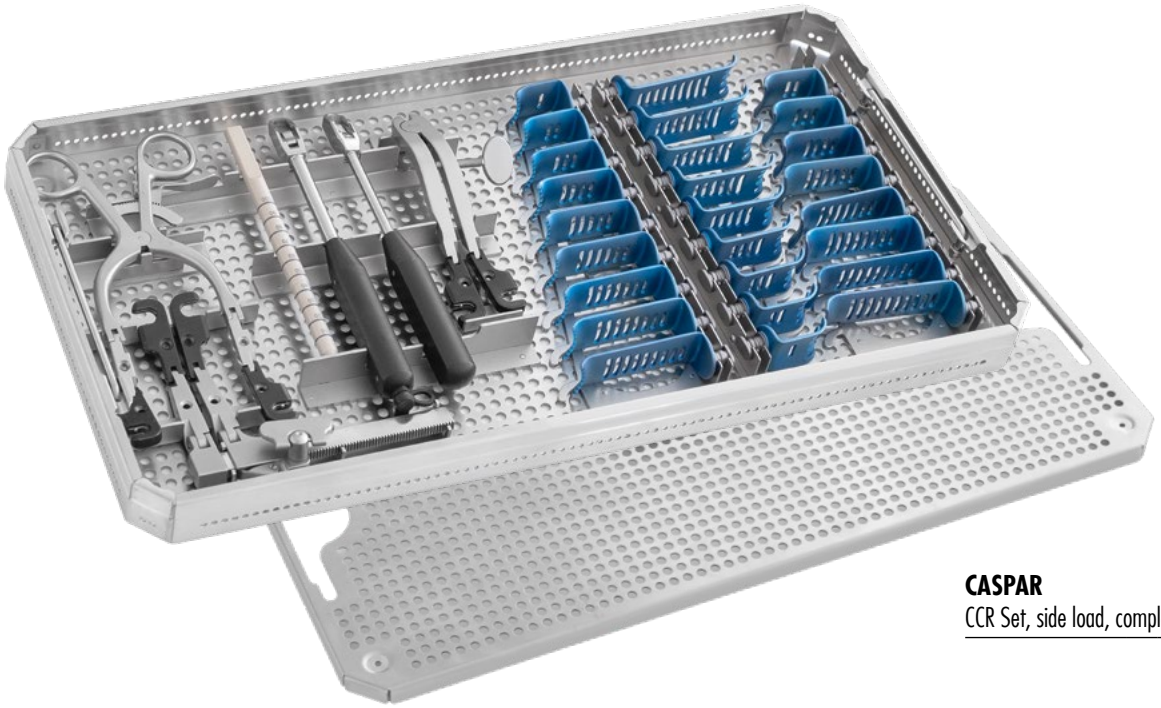
Titanium Medial Blade, 5 prongs,
24mm width

25mm	259-180-425
30mm	259-180-430
35mm	259-180-435
40mm	259-180-440
45mm	259-180-445
50mm	259-180-450
55mm	259-180-455
60mm	259-180-460
65mm	259-180-465
70mm	259-180-471
75mm	259-180-475

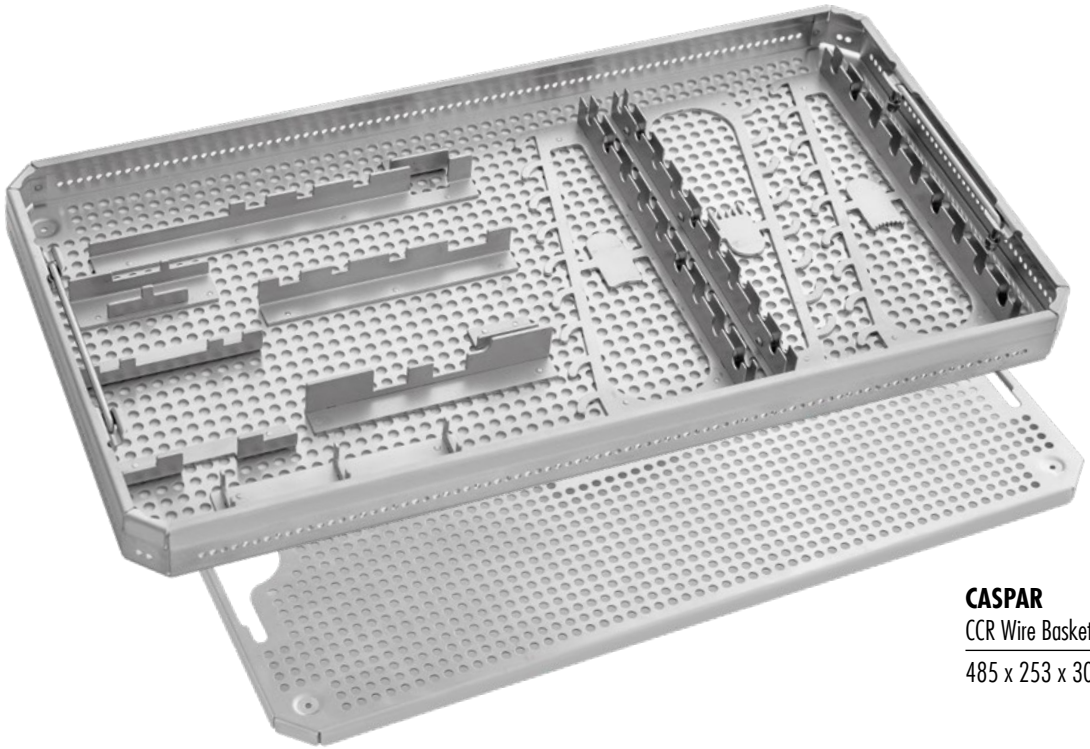


Titanium Longitudinal Blade, blunt
24mm width

25mm	259-180-525
30mm	259-180-530
35mm	259-180-535
40mm	259-180-540
45mm	259-180-545
50mm	259-180-550
55mm	259-180-555
60mm	259-180-560
65mm	259-180-565
70mm	259-180-570
75mm	259-180-575

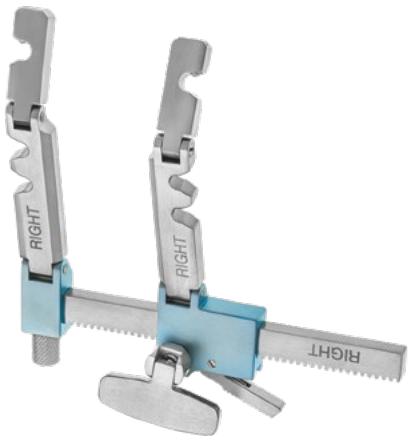


CASPAR
CCR Set, side load, complete
259-180-000



CASPAR
CCR Wire Basket, with lid
485 x 253 x 30mm 259-180-001

RAINBOW CERVICAL RETRACTOR



Rainbow Cervical Retractor Frame Right
Max opening: 65mm
Arm length: 80mm

259-188-001



Rainbow Cervical Retractor Frame Left
Max opening: 65mm
Arm length: 80mm

259-188-002



Rainbow Cervical Retractor Offset
Max opening: 80mm
Arm length: 80mm

259-188-003



Rainbow Lumbar Retractor Frame
with instrument coupling
Max opening: 80mm
Arm length: 80mm

259-188-101

RAINBOW CERVICAL RETRACTOR



Rainbow Cervical Toothed Rack
with finger screw

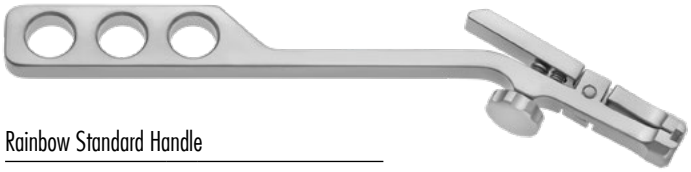
259-188-032



Rainbow Handle

259-188-005





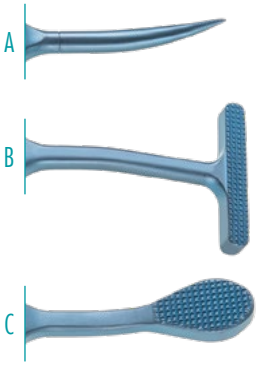
Rainbow Standard Handle

259-188-102

Rainbow Cervical Depth Gauge
with color markings

259-188-102





Rainbow Valve

A Sharp	259-188-029
B T-Valve	259-188-030
C Ligament	259-188-031



Rainbow Instrument Coupling

259-188-028

RAINBOW CERVICAL RETRACTOR









Ti

Rainbow Valve, 4 prongs

34mm	259-188-013
40mm	259-188-014
45mm	259-188-015
50mm	259-188-016
55mm	259-188-017
60mm	259-188-018
70mm	259-188-019
85mm	259-188-020

Ti

Rainbow Depth Valve, 4 prongs

40mm	259-188-007
47mm	259-188-008
55mm	259-188-009

Ti

Rainbow Depth Valve

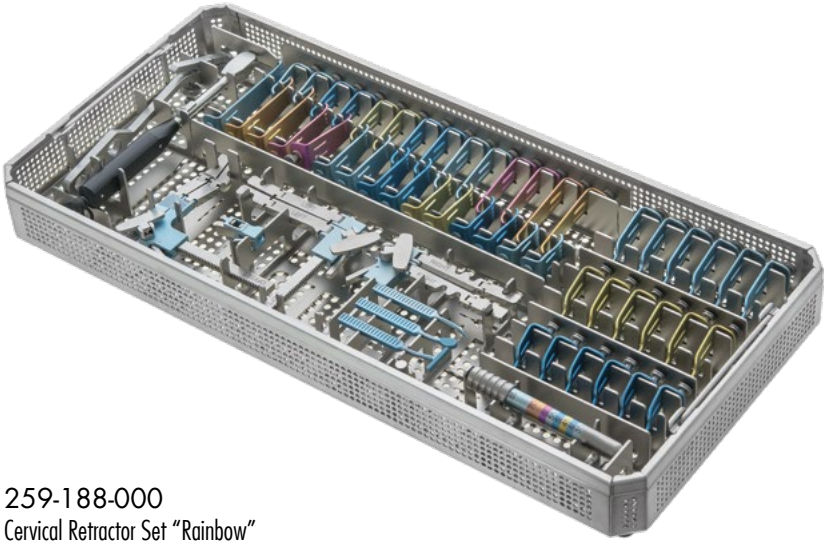
40mm	259-188-010
47mm	259-188-011
55mm	259-188-012

Ti

Rainbow Blunt Valve

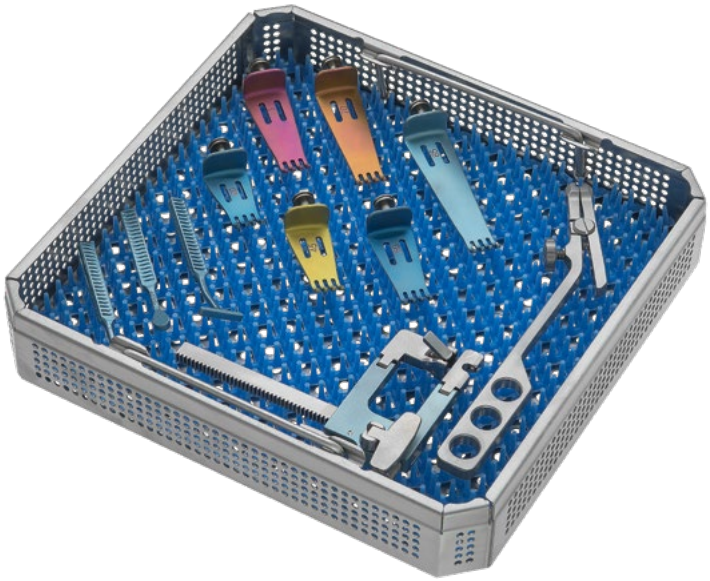
34mm	259-188-021
40mm	259-188-022
45mm	259-188-023
50mm	259-188-024
55mm	259-188-025
60mm	259-188-026
70mm	259-188-027

RAINBOW CERVICAL RETRACTOR



259-188-000
Cervical Retractor Set "Rainbow"
consisting of:

1x		259-188-001
1x		259-188-002
1x		259-188-003
1x		259-188-004
1x		259-188-005
1x		259-188-102
4x		259-188-007
4x		259-188-008
4x		259-188-009
2x		259-188-010
2x		259-188-011
2x		259-188-012
2x		259-188-013
2x		259-188-014
2x		259-188-015
2x		259-188-016
2x		259-188-017
2x		259-188-018
2x		259-188-019
1x		259-188-020
2x		259-188-021
2x		259-188-022
2x		259-188-023
2x		259-188-024
2x		259-188-025
2x		259-188-026
2x		259-188-027
1x		259-188-028
1x		259-188-029
1x		259-188-030
1x		259-188-031
1x		259-188-032
1x (Container only)		259-188-033



259-188-100
Lumbar Microdiscectomy Retractor Set
"Rainbow"
consisting of:

1x	259-188-101
1x	259-188-102
1x	259-188-029
1x	259-188-030
1x	259-188-031
1x	259-188-014
1x	259-188-015
1x	259-188-016
1x	259-188-018
1x	259-188-019
1x	259-188-020
1x (Container only)	259-188-133

CASPAR LUMBAR RETRACTOR



CLR Retractor side-load

259-190-610



CCR/CLR handle for blades, with black PPSU handle

259-180-100



CCR/CLR handle for blades, cannulated with luer-lock, with black PPSU handle

259-180-101



CCR/CLR Depth Gauge instrument, natural

259-180-200

CASPAR LUMBAR RETRACTOR



CLR Blade, side load, width: 20mm, color: blue, 3 prongs

20 x 35mm	259-190-235
20 x 40mm	259-190-240
20 x 45mm	259-190-245
20 x 55mm	259-190-255
20 x 65mm	259-190-265



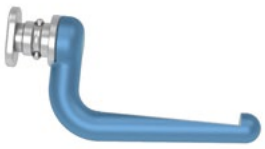
CLR Blade, side load, width: 40mm, color: blue, 3 prongs

40 x 35mm	259-190-435
40 x 40mm	259-190-440
40 x 45mm	259-190-445
40 x 55mm	259-190-455
40 x 65mm	259-190-465
40 x 75mm	259-190-475



CLR Blade, side load, width: 60mm, color: blue, 3 prongs

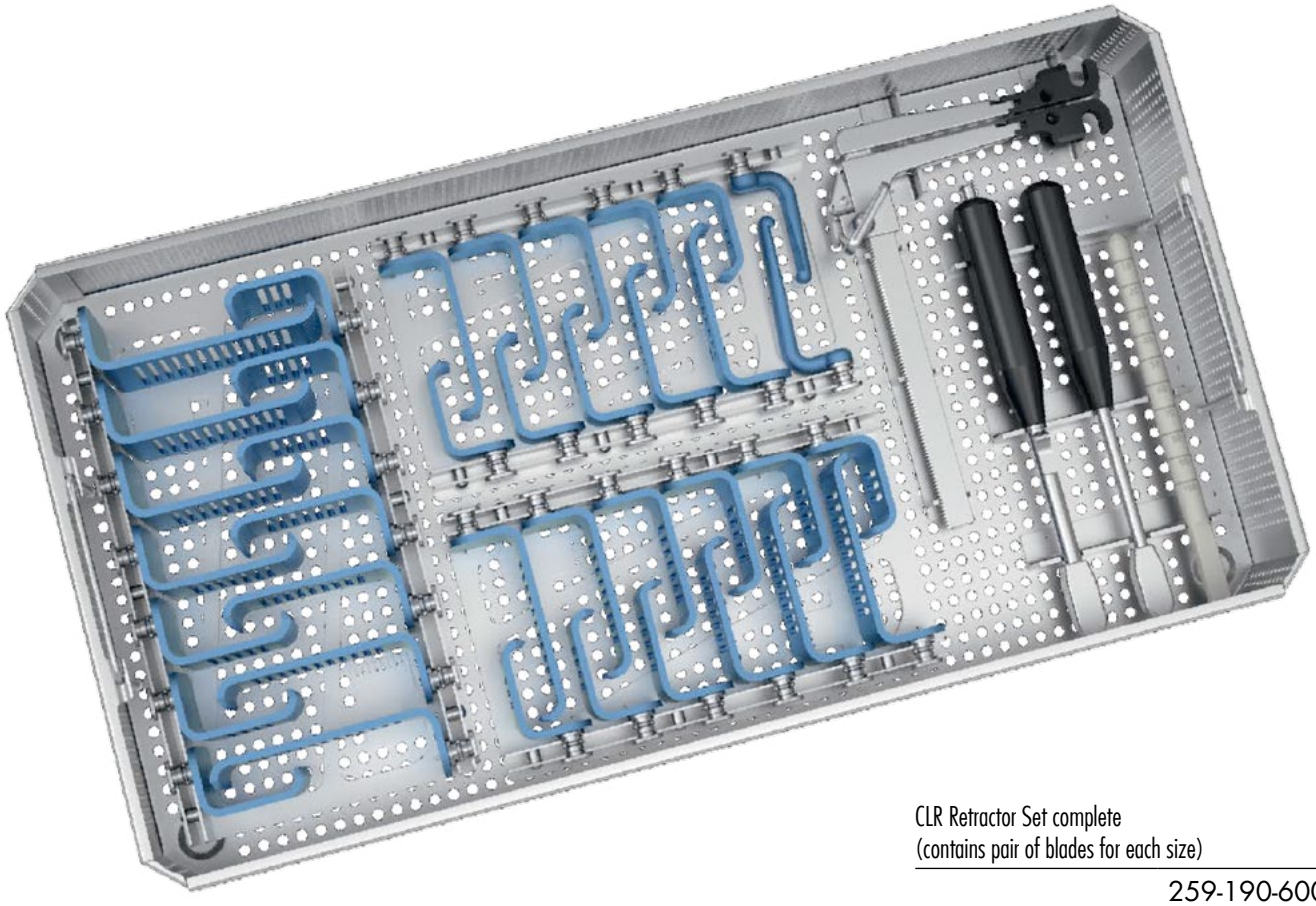
60 x 35mm	259-190-635
60 x 40mm	259-190-640
60 x 45mm	259-190-645
60 x 55mm	259-190-655
60 x 65mm	259-190-665
60 x 75mm	259-190-675
60 x 85mm	259-190-685



Hemi-laminectomy hook, color: blue

small	259-190-231
large	259-190-232

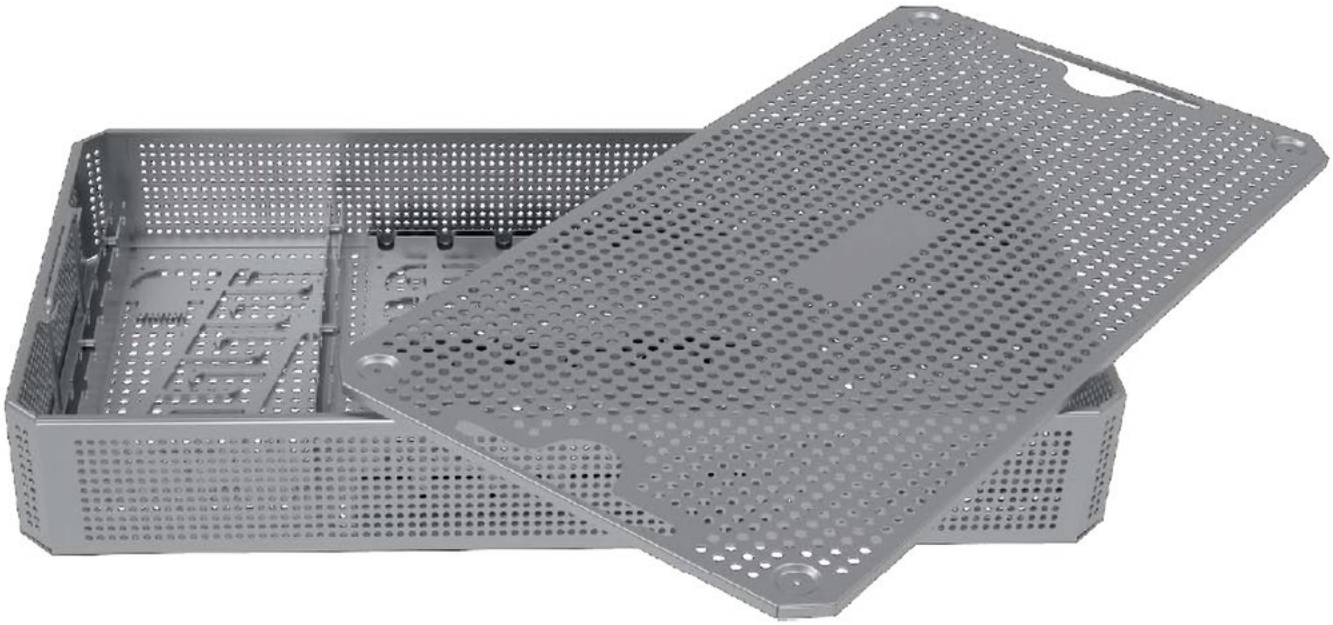
CASPAR LUMBAR RETRACTOR



CLR Retractor Set complete
(contains pair of blades for each size)

259-190-600

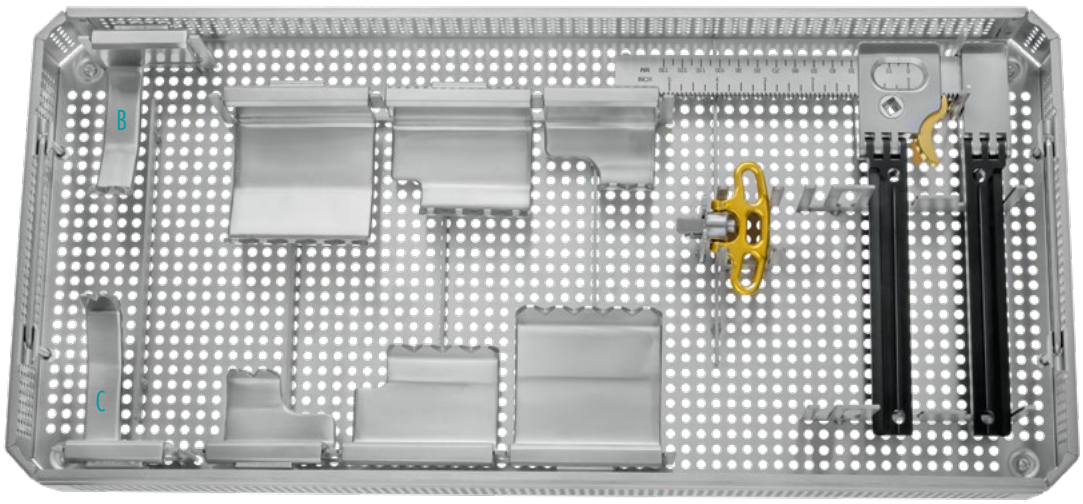
CASPAR LUMBAR RETRACTOR



CLR Retractor Set Tray empty

259-190-601

BUTTERFLY SPINE RETRACTOR SET

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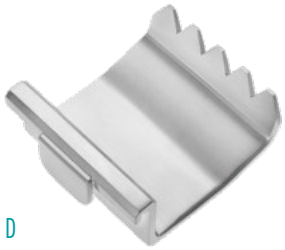
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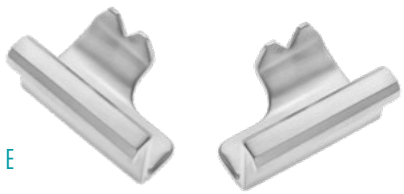
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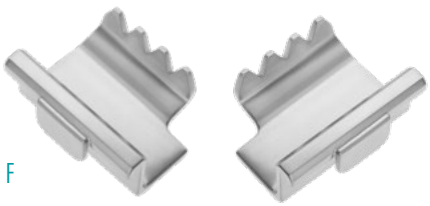

F

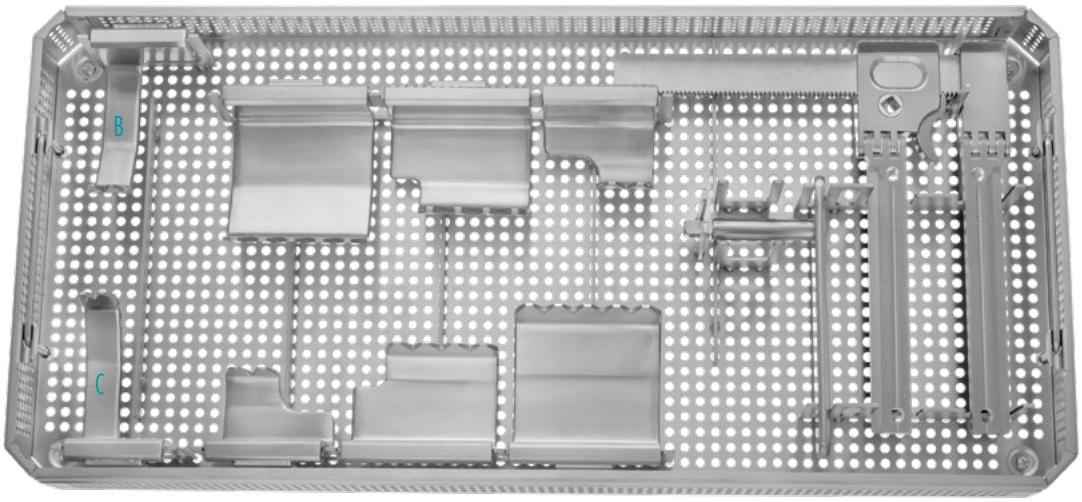
Lightweight, new designed set

with tray	290-300-340
without tray	290-300-330

B + C optional, not included in the set

Set consists of

Type	Width	Length	Quantity	
A Retractor			1	290-300-311
D Retractor 5 teeth	76mm	64mm	2	290-300-312
E Retractor left	31mm	38mm	1	290-300-313
E Retractor right	31mm	38mm	1	290-300-314
F Retractor left	57mm	44mm	1	290-300-315
F Retractor right	57mm	44mm	1	290-300-316





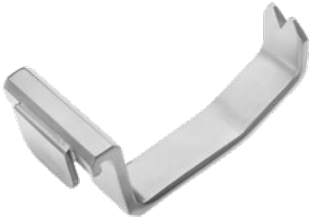
Standard Butterfly Set

with tray and lid	290-300-320
without tray and lid	290-300-310

B + C optional, not included in the set

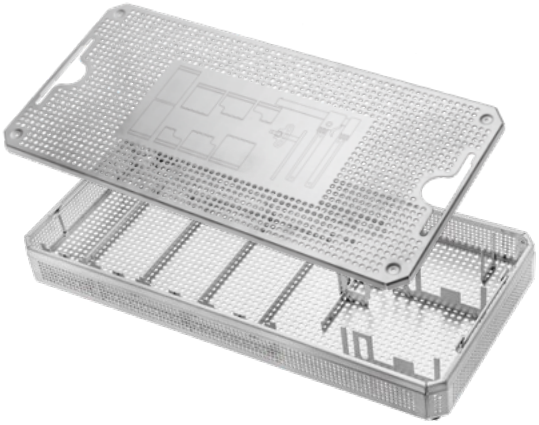
Set consists of

Type	Width	Length	Quantity	
G Standard Retractor			1	290-300-301
D Retractor 5 teeth	76mm	64mm	2	290-300-302
E Retractor left	31mm	38mm	1	290-300-303
E Retractor right	31mm	38mm	1	290-300-304
F Retractor left	57mm	44mm	1	290-300-305
F Retractor right	57mm	44mm	1	290-300-306



Optional Retractors, right/left angled (standard), for B + C

Width	Length	Quantity	
19mm	31mm	2	290-300-205
19mm	44mm	2	290-300-206
19mm	57mm	2	290-300-207
19mm	83mm	2	290-300-209
19mm	76mm	2	290-300-208
19mm	102mm	2	290-300-210
51mm	102mm	2	290-300-216 (not offset)



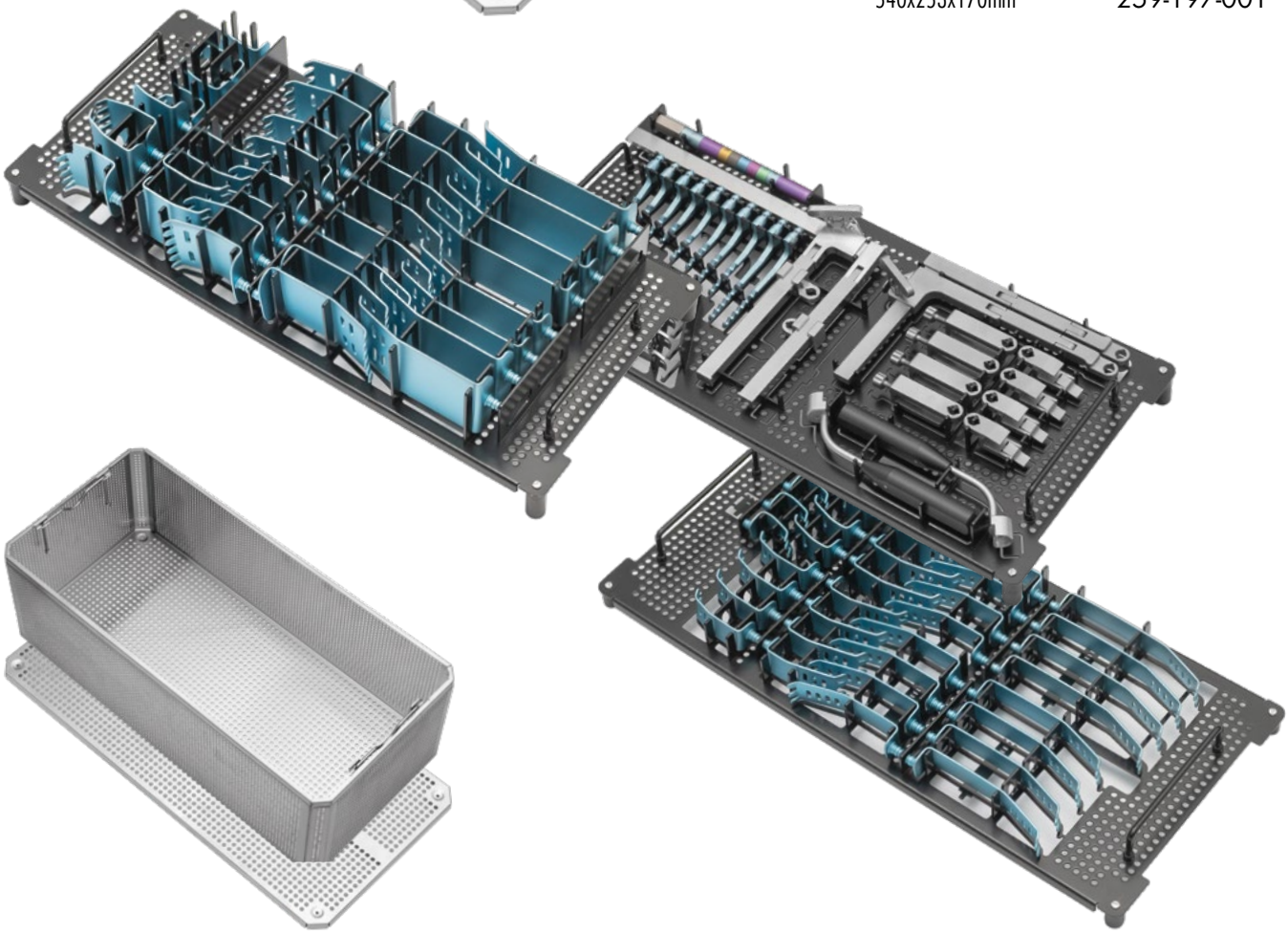
Tray with lid (fits for standard and lightweight)

290-300-350

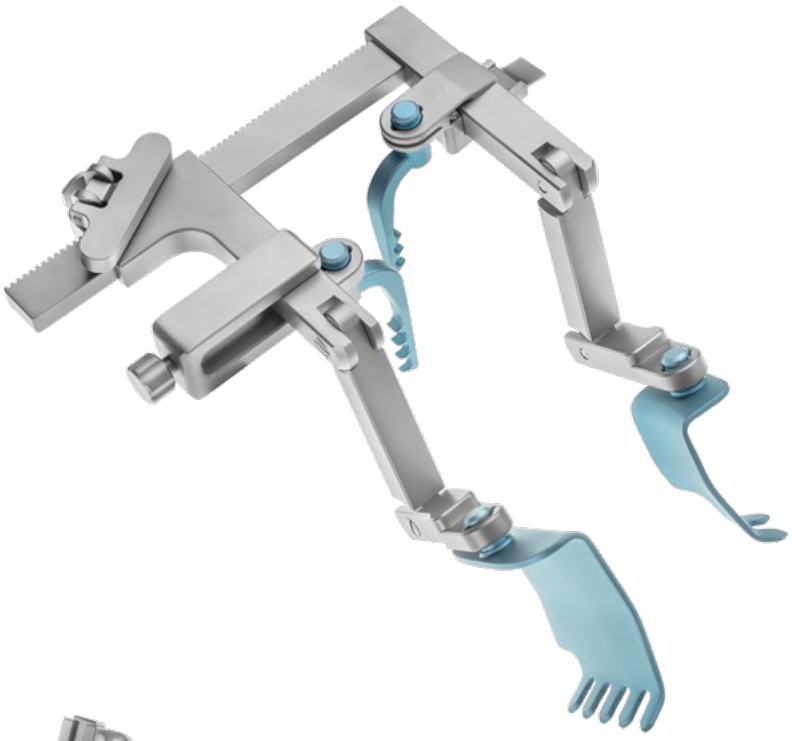
LT - SET FOR LUMBAR RETRACTION



LT Lumbar Retraction Set, complete with tray	259-197-000
Tray only	
540x253x170mm	259-197-001



LT - SET FOR LUMBAR RETRACTION







LT Retractor, hinged	
209mm spread	259-197-002

LT Retractor, double hinged	
102mm spread	259-197-003
209mm spread	259-197-004

LT - SET FOR LUMBAR RETRACTION



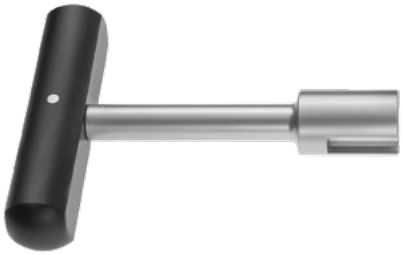
Blade connector with quick coupling

259-197-005



Blade connector with screw connection

259-197-006



T-Handle

259-197-007



Handle, manual blade retraction

259-197-009



Depth Gauge

259-197-008

LT - SET FOR LUMBAR RETRACTION



LT Valve, 6 prongs, 60mm wide	
50mm depth	259-197-650
60mm depth	259-197-660
70mm depth	259-197-670
80mm depth	259-197-680
90mm depth	259-197-690
110mm depth	259-197-691
130mm depth	259-197-693



LT Hook, toothed	
34mm depth, 3 teeth	259-197-103
44mm depth, 4 teeth	259-197-104
54mm depth, 5 teeth	259-197-105
64mm depth, 6 teeth	259-197-106
84mm depth, 7 teeth	259-197-107





LT Valve, left, 2 prongs	
30mm width, 40mm depth	259-197-111
60mm width, 45mm depth	259-197-112
right, 5 prongs	
30mm width, 40mm depth	259-197-113
60mm width, 45mm depth	259-197-114

LT - SET FOR LUMBAR RETRACTION



LT Valve, 3 prongs, 24mm wide	
30mm depth	259-197-330
40mm depth	259-197-340
50mm depth	259-197-350
60mm depth	259-197-360
70mm depth	259-197-370
80mm depth	259-197-380
90mm depth	259-197-390
110mm depth	259-197-410
130mm depth	259-197-430



LT Valve, 5 prongs, 45mm wide	
50mm depth	259-197-550
60mm depth	259-197-560
70mm depth	259-197-570
80mm depth	259-197-580
90mm depth	259-197-590
110mm depth	259-197-591
130mm depth	259-197-593



LT T-Valve, 25mm wide	
40mm depth	259-197-254
50mm depth	259-197-255
60mm depth	259-197-256
70mm depth	259-197-257

CASPAR MICRO DISCECTOMY RETRACTOR







CASPAR
Counter Retractor, hinged arms

	259-185-100

CASPAR
Specula

40mm	259-185-040
45mm	259-185-045
50mm	259-185-050
55mm	259-185-055
60mm	259-185-060
65mm	259-185-065
75mm	259-185-070
80mm	259-185-080
85mm	259-185-085

CASPAR MICRO DISCECTOMY RETRACTOR



Lateral blade with snap lock	
35mm	259-185-235
40mm	259-185-240
45mm	259-185-245
50mm	259-185-250
55mm	259-185-255
60mm	259-185-260
65mm	259-185-265
75mm	259-185-275
80mm	259-185-280
85mm	259-185-285

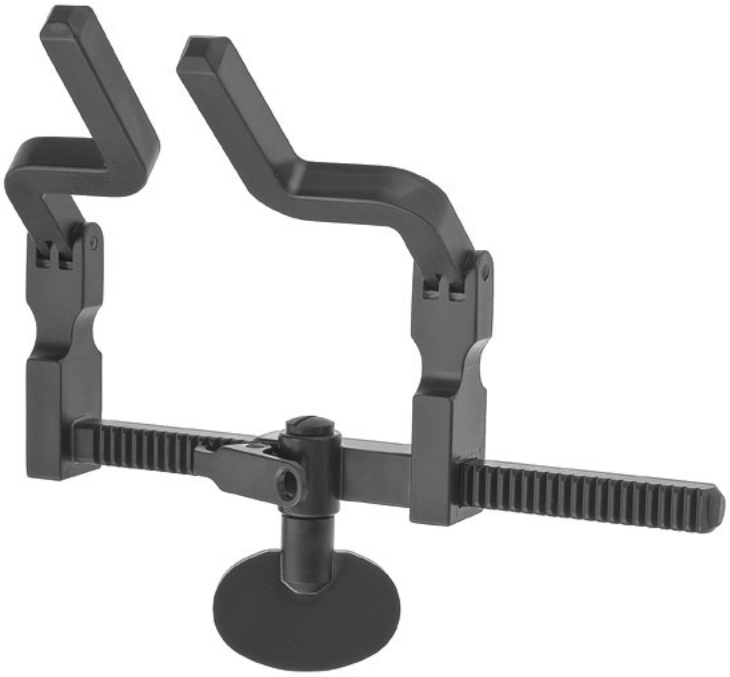


Medial blade	
40mm	259-185-340
45mm	259-185-345
50mm	259-185-350
55mm	259-185-355
60mm	259-185-360
65mm	259-185-365
70mm	259-185-370



Blade Ejector Forceps	
115mm, $4^{1/2}$″	259-185-101

MCCULLOCH MICRO DISCECTOMY RETRACTOR





MCCULLOCH

Retractor Frame, with hinged arms

85mm, 3"	259-170-200

with rigid arms

85mm, 3"	259-170-100

MCCULLOCH MICRO DISCECTOMY RETRACTOR



MCCULLOCH
Muscle blade, 27mm wide, 6 teeth

30mm, 1 1/5"	259-170-130
40mm, 1 2/3"	259-170-140
50mm, 2"	259-170-150
60mm, 2 1/3"	259-170-160
70mm, 2 4/5"	259-170-170
80mm, 3 1/5"	259-170-180
90mm, 3 1/2"	259-170-190

Blade Set, large

Set with 12 pcs. (2 blades each) 259-170-130 to 259-170-180	259-170-110

Blade Set, small

Set with 8 pcs. (2 blades each) 259-170-140 to 259-170-170	259-170-111



MCCULLOCH
Muscle blade, 20mm wide, 4 teeth

30mm, 1 1/5"	259-170-230
40mm, 1 2/3"	259-170-240
50mm, 2"	259-170-250
60mm, 2 1/3"	259-170-260
70mm, 2 4/5"	259-170-270
80mm, 3 1/5"	259-170-280

Blade Set, large

Set with 12 pcs. (2 blades each) 259-170-230 to 259-170-280	259-170-210

Blade Set, small

Set with 8 pcs. (2 blades each) 259-170-240 to 259-170-270	259-170-211



MCCULLOCH
Muscle blade, 17mm wide, 2 teeth

30mm, 1 1/5"	259-170-330
40mm, 1 2/3"	259-170-340
50mm, 2"	259-170-350
60mm, 2 1/3"	259-170-360
70mm, 2 4/5"	259-170-370
80mm, 3 1/5"	259-170-380
90mm, 3 1/2"	259-170-390

Blade Set, large

Set with 12 pcs. (2 blades each) 259-170-330 to 259-170-380	259-170-310

Blade Set, small

Set with 8 pcs. (2 blades each) 259-170-340 to 259-170-370	259-170-311

MCCULLOCH MICRO DISCECTOMY RETRACTOR



MCCULLOCH
Cervical blade, 20mm wide, 2 teeth

50mm, 2″	259-170-650
60mm, 2 1/3″	259-170-660
70mm, 2 4/5″	259-170-670



MCCULLOCH
Hook #1

20mm, 4/5″	259-170-420
30mm, 1 1/5″	259-170-430
40mm, 1 2/3″	259-170-440
50mm, 2″	259-170-450
60mm, 2 1/3″	259-170-460
70mm, 2 4/5″	259-170-470
80mm, 3 1/5″	259-170-480

Blade Set, large

Set with 12 pcs. (2 blades each) 259-170-420 to 259-170-470	259-170-410

Blade Set, small

Set with 8 pcs. (2 blades each) 259-170-430 to 259-170-460	259-170-411



MCCULLOCH
Hook #2

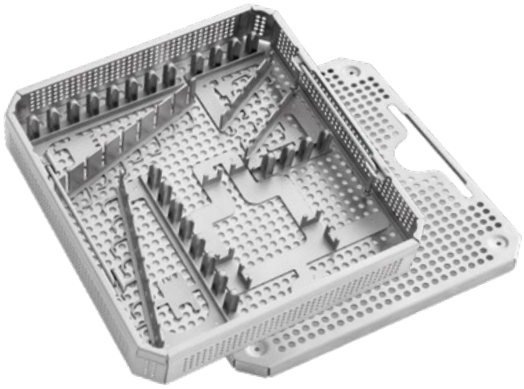
20mm, 4/5″	259-170-520
30mm, 1 1/5″	259-170-530
40mm, 1 2/3″	259-170-540
50mm, 2″	259-170-550
60mm, 2 1/3″	259-170-560
70mm, 2 4/5″	259-170-570
80mm, 3 1/5″	259-170-580

Blade Set, large

Set with 12 pcs. (2 blades each) 259-170-520 to 259-170-570	259-170-510

Blade Set, small

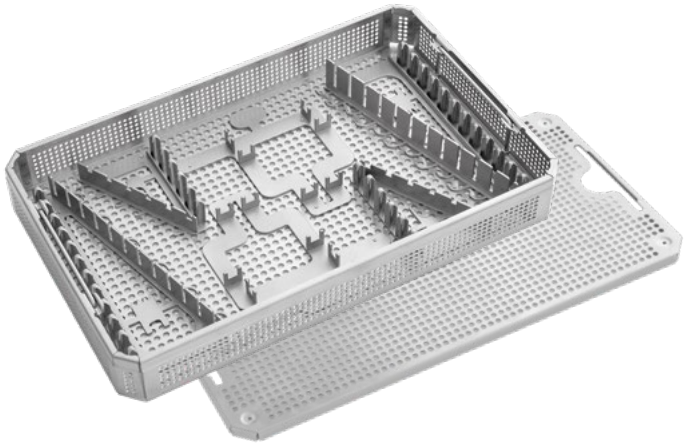
Set with 8 pcs. (2 blades each) 259-170-530 to 259-170-560	259-170-511



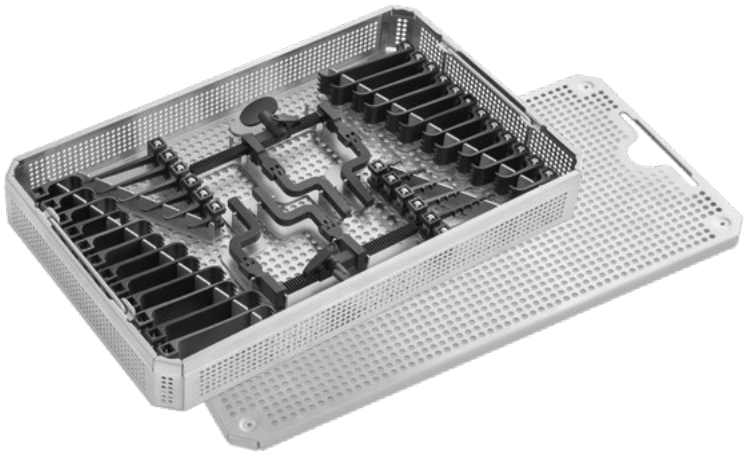
MCCULLOCH
Tray, small, with lid
253 x 253 x 50mm 259-170-000



MCCULLOCH
Set with Tray, small 259-170-000
and hinged retractors,
blades 2 each, 1 hook each
259-170-001

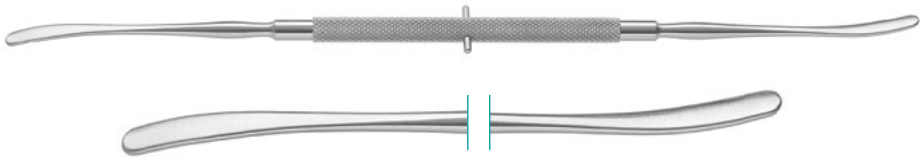


MCCULLOCH
Tray, large, with lid
405 x 253 x 50mm 259-170-002



MCCULLOCH
Set with Tray, large 259-170-002
and hinged retractors,
blades 2 each, 1 hook each
259-170-003

MCCULLOCH MICRO DISCECTOMY RETRACTOR



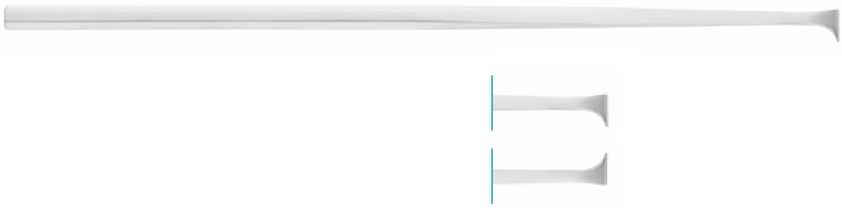
Double Ended Elevator

230mm, 9"	259-160-042



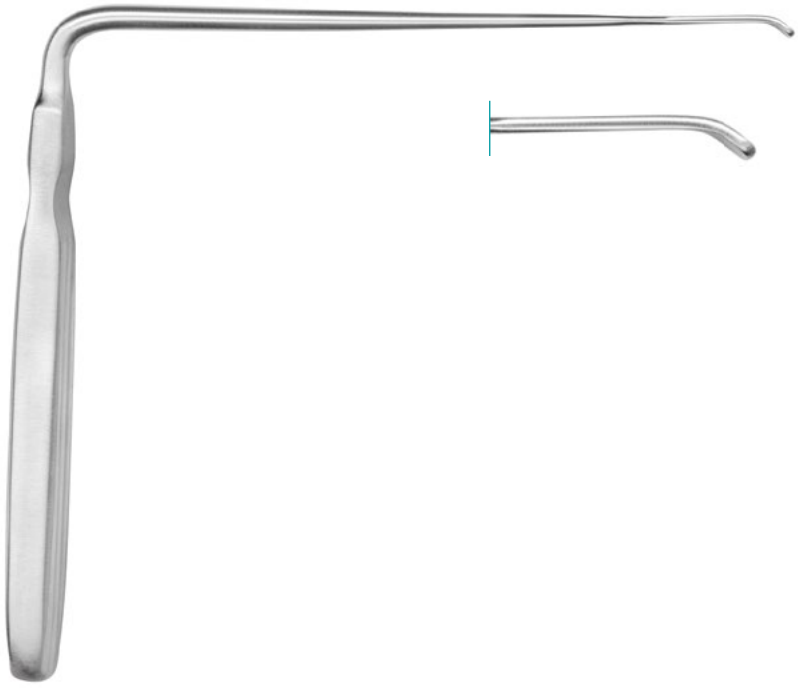
Osteotome, 215mm, $8^{1/2}$"

4mm wide	259-210-004
6mm wide	259-210-006



Hockey-Stick Chisel, 215mm, $8^{1/2}$"

left curved	259-210-005
right curved	259-211-005

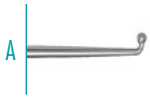


Nerve Root Retractor, 90° angled shaft

6mm wide tip	259-160-006

MCCULLOCH MICRO DISCECTOMY RETRACTOR





Ball Probe, 235mm, 9 1/4"	
A 4mm tip	259-230-004
B 7mm tip	259-230-007
Manipulation Hook, 235mm, 9 1/4"	
C 4mm tip	259-230-104



Spinal Elevator, semi-sharp, 290mm, 11 1/2"	
12mm wide tip	259-440-100
19mm wide tip	259-450-100

CASPAR WOUND RETRACTOR



CASPAR
Retractor with key

	259-185-449



CASPAR
Hook

38mm	259-185-435
58mm	259-185-437



CASPAR
Blade, 2 prongs

32x22mm	259-185-442
52x22mm	259-185-445
62x22mm	259-185-447



CASPAR
Blade, 3 prongs

37x37mm	259-185-452
62x37mm	259-185-457



CASPAR
Blade, 4 prongs

37x52mm	259-185-462
67x52mm	259-185-467



HUDSON
Hand Drill, complete with 4 burrs and extension (Hudson tightening screw)

270mm, $10^{2/3}$"	200-152-000

Hand Drill only with clamping screw — 200-150-000

Hand Drill only with Hudson snap lock — 200-151-000




A


B


C


D

Burrs, 60mm length

A	Ø 9mm	200-152-001
B	Ø 14mm	200-152-002
C	Ø 16mm	200-152-003
D	Ø 22mm	200-152-004



Extension piece — 200-152-009



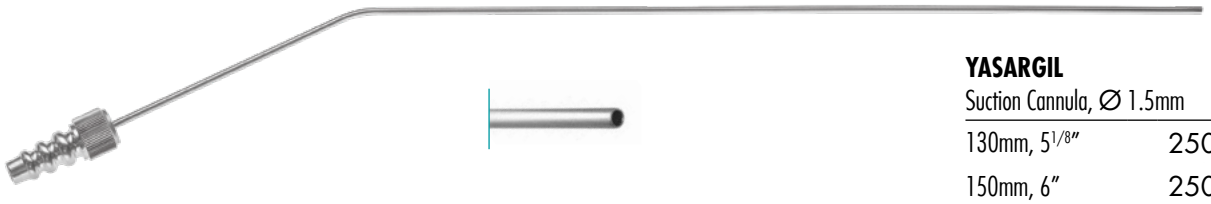
RANEY
Scalp Haemostasis Clip, 10 pcs. per package

	250-066-001
black	250-066-002



RANEY
Applying and Removing Forceps
for 250-066-001

160mm, $6^{1/4}$″	250-066-003



YASARGIL

Suction Cannula, ∅ 1.5mm	
130mm, 5 1/8"	250-064-152
150mm, 6"	250-064-154
180mm, 7"	250-064-156
220mm, 8 2/3"	250-064-158
∅ 2.0mm	
130mm, 5 1/8"	250-064-162
150mm, 6"	250-064-164
180mm, 7"	250-064-166
220mm, 8 2/3"	250-064-168
∅ 2.5mm	
130mm, 5 1/8"	250-064-172
150mm, 6"	250-064-174
180mm, 7"	250-064-176
220mm, 8 2/3"	250-064-178
∅ 3.5mm	
130mm, 5 1/8"	250-064-182
150mm, 6"	250-064-184
180mm, 7"	250-064-186
220mm, 8 2/3"	250-064-188
∅ 4.5mm	
180mm, 7"	250-064-189



FUKUSHIMA
Suction tube, conical, malleable, 165mm, 6 1/2"

3 Charr.	165-533-163
4 Charr.	165-533-164
5 Charr.	165-533-165
6 Charr.	165-533-166



FUKUSHIMA
Suction tube, conical, malleable, 180mm, 7"

3 Charr.	165-533-183
4 Charr.	165-533-184
5 Charr.	165-533-185
6 Charr.	165-533-186
7 Charr.	165-533-187
8 Charr.	165-533-188
9 Charr.	165-533-189



FUKUSHIMA
Suction tube, conical, malleable, 205mm, 8 1/8"

3 Charr.	165-533-203
4 Charr.	165-533-204
5 Charr.	165-533-205
6 Charr.	165-533-206
7 Charr.	165-533-207
8 Charr.	165-533-208
9 Charr.	165-533-209
10 Charr.	165-533-210
12 Charr.	165-533-212



FRAZIER
Suction tube, 30° angled,
190mm, 7 1/2" overall length

5 Charr.	165-523-005
6 Charr.	165-523-006
7 Charr.	165-523-007
8 Charr.	165-523-008
9 Charr.	165-523-009
10 Charr.	165-523-010
11 Charr.	165-523-011
12 Charr.	165-523-012
15 Charr.	165-523-015



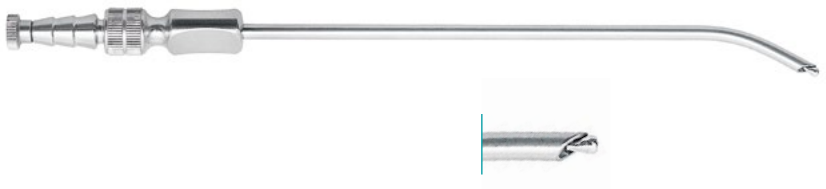
FRAZIER
Suction tube, straight,
130mm, 5 1/8" working length

6 Charr.	165-522-106
8 Charr.	165-522-108
10 Charr.	165-522-110
12 Charr.	165-522-112



BARON
Suction tube, finger cut-off, stylet, 100mm, 4"

3 Charr.	165-539-003
5 Charr.	165-539-005
7 Charr.	165-539-007



ADSON
Suction tube, ∅ 4mm, 210mm, 8 1/4"

12 Charr.	165-521-004



TAYLOR
Percussion Mallet

170mm, 6 2/3"	100-111-170
200mm, 8"	100-111-200



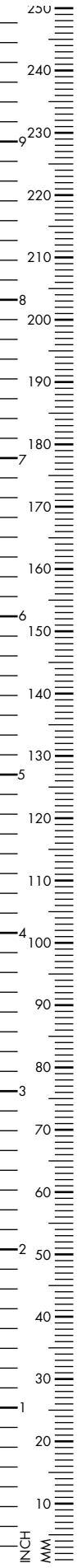
TROEMNER
Percussion Mallet

240mm, 9 1/2"	100-113-240



DERJERINE
Percussion Mallet with needle

200mm, 8"	100-115-200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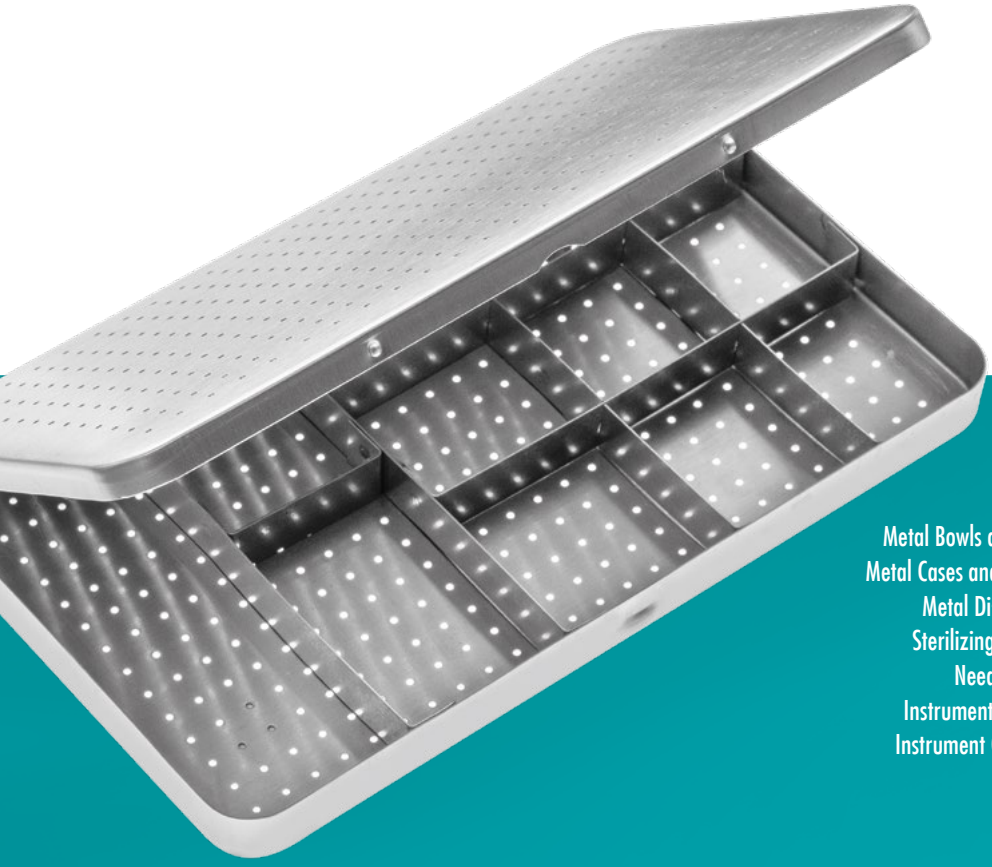


Metal Bowls and Cups
Metal Cases and Tablets
Metal Dispensers
Sterilizing Forceps
Needle Cases
Instrument Holders
Instrument Cleaning

RZ Medizintechnik®
PROGRESS IN SURGERY



Kidney Bowl

170mm, 0.25L	600-673-170
205mm, 0.35L	600-673-200
250mm, 0.50L	600-673-250
275mm, 0.75L	600-673-275



Laboratory Bowl

Diameter	Capacity	Height	
140mm, $5^{1/2}$″	0.5L	55mm	600-170-151
150mm, 6″	0.75L	75mm	600-170-165
160mm, $6^{1/4}$″	1.0L	75mm	600-170-175
220mm, $8^{2/3}$″	2.0L	75mm	600-170-220
240mm, $9^{1/2}$″	3.0L	95mm	600-170-240
260mm, $10^{1/4}$″	4.5L	120mm	600-170-275
300mm, $11^{7/8}$″	6.0L	120mm	600-170-310
320mm, $12^{1/2}$″	8.0L	140mm	600-170-325
380mm, 15″	11.0L	130mm	600-170-380
400mm, $15^{3/4}$″	14.0L	155mm	600-170-415



Bowl, round

Diameter	Capacity	Height	
40mm, $1^{1/2}$″	0.02L	19mm	600-231-040
60mm, $2^{1/3}$″	0.06L	30mm	600-231-060
85mm, $3^{1/3}$″	0.16L	40mm	600-231-080
110mm, $4^{1/3}$″	0.40L	55mm	600-231-100
150mm, 6″	1.00L	75mm	600-231-150



Measuring Jug, with feet, graduated

0.5L / 110mm height	600-098-205
1.0L / 140mm height	600-098-100
1.5L / 160mm height	600-098-150
2.0L / 200mm height	600-098-220



Instrument Tray (L x W x H)	
215 x 155 x 18mm	600-113-100
295 x 195 x 20mm	600-113-110
360 x 240 x 10mm	600-113-120
390 x 270 x 10mm	600-113-130
490 x 320 x 14mm	600-113-140
445 x 350 x 12mm	600-113-150
445 x 325 x 9mm	600-113-160



Dressing Tray (L x W x H)	
235 x 190 x 45mm	600-340-230



Instrument Box with lid (L x W x H)	
100 x 60 x 40mm	600-310-100
120 x 80 x 40mm	600-310-120
160 x 100 x 30mm	600-310-160
180 x 120 x 50mm	600-310-180
200 x 100 x 50mm	600-310-200
220 x 150 x 50mm	600-312-220
260 x 150 x 50mm	600-310-260
300 x 200 x 50mm	600-310-260
400 x 200 x 80mm	600-312-400
500 x 270 x 70mm	600-312-500



Cylinder Jar

Ø 30mm / 95mm	600-142-001
Ø 50mm / 105mm	600-142-002
Ø 50mm / 135mm	600-142-003
Ø 50mm / 180mm	600-142-004
Ø 80mm / 135mm	600-142-006
Ø 80mm / 175mm	600-142-007
Ø 95mm / 205mm	600-142-009



Cotton Wool Dispenser

Diameter	Capacity	Height	
60mm, 2 1/3"	0.15L	60mm	600-397-010
85mm, 3 1/3"	0.25L	50mm	600-397-020
100mm, 4"	0.35L	50mm	600-397-060
85mm, 3 1/3"	0.40L	85mm	600-397-080
85mm, 3 1/3"	0.60L	125mm	600-397-030
100mm, 4"	0.75L	100mm	600-397-040
120mm, 4 3/4"	1.25L	120mm	600-398-120
150mm, 6"	1.75L	100mm	600-398-130
150mm, 6"	2.50L	150mm	600-398-150
200mm, 8"	3.0L	100mm	600-398-160
200mm, 8"	6.0L	200mm	600-398-170



Sputum Cup with lid

Diameter	Capacity	Height	
75mm, 3"	0.30L	75mm	600-662-075
80mm, 3 1/4"	0.40L	85mm	600-662-080



ROGGE
Sterilizing Forceps

235mm, 9 1/4"	600-087-230



CHEATLE
Sterilizing Forceps

270mm, 10 2/3"	600-095-270



DAVIS
Sterilizing Forceps

200mm, 8"	600-080-200



SAUERBRUCH
Needle sterilising case, 12 compartments
Lid / Bottom perforation

210 x 125 x 17mm	600-210-125



Needle sterilizing case, with holes

Ø 65mm	600-100-065

Perforated Interior Box only

600-100-070

Non-perforated exterior box only

600-100-071



Needle sterilizing case, with holes

65 x 42 x 8mm	600-110-065



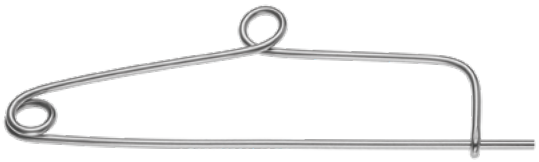
Needle sterilising case, 3 compartments, rectangular, Lid / Bottom perforation

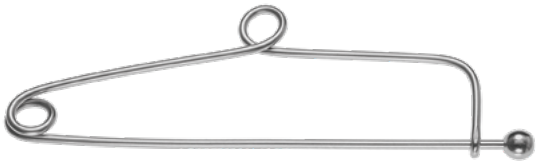
150 x 95 x 13mm	600-115-000



Needle sterilising case, 7 compartments, rectangular, Bottom perforation

150 x 95 x 13mm	600-115-100





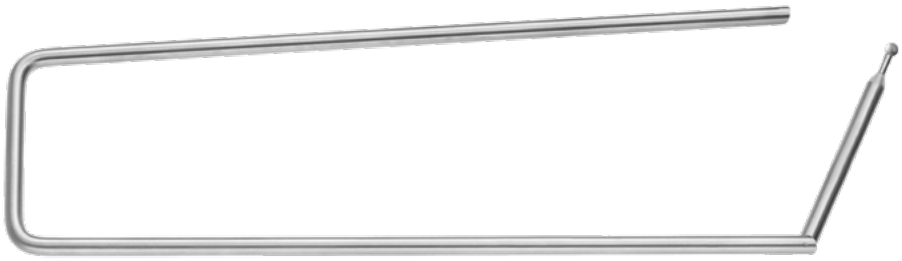
MAJO
Safety Pin, 140mm, $5^{1/2}$", with ball

without ball	660-100-100
with ball	660-100-140



BUNT
Safety Pin

120mm, $4^{3/4}$"	660-102-120



STRINGER
Instrument Holder

102 x 70mm (4″)	660-160-100
152 x 70mm (6″)	660-160-150
203 x 70mm (8″)	660-160-200
254 x 70mm (10″)	660-160-250
305 x 70mm (12″)	660-160-300
356 x 70mm (14″)	660-160-350
406 x 70mm (16″)	660-160-400
457 x 70mm (18″)	660-160-450
508 x 70mm (20″)	660-160-500



WEINSTEIN
Instrument Holder

63 x 152mm (6″)	660-163-150
63 x 200mm (8″)	660-163-200
63 x 250mm (10″)	660-163-250
63 x 300mm (12″)	660-163-300
63 x 350mm (14″)	660-163-350
63 x 400mm (16″)	660-163-400
63 x 450mm (18″)	660-163-450



RZ Aquajet Water Pistol, complete
9 tip, 1m pressure tubing, strap,
suspension hook

600-100-000



Oil Dispenser

140mm, 5 1/2" 700-900-250



Special Cotton for polishing metal sheaths
and instruments

700-900-220



Oil Spray	
400ml	700-900-149



Instrument Oil	
50ml	700-900-160



Tape	
green	900-950-001
yellow	900-950-002
blue	900-950-003
red	900-950-004
brown	900-950-005
white	900-950-006
orange	900-950-007
black	900-950-008
purple	900-950-009



Cleaning Brush for ∅ 5mm

500mm, 19 3/4"	300-135-905



Cleaning Brush for ∅ 10mm

500mm, 19 3/4"	300-135-910



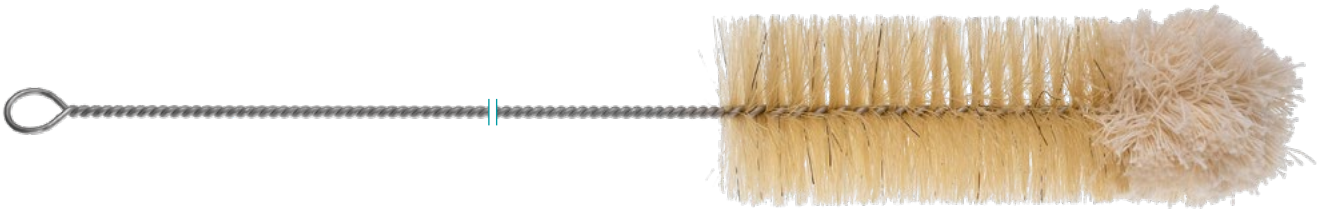
Cleaning Brush

∅3mm, 245 x 65mm	300-245-000
∅3mm, 420 x 65mm	300-420-065
∅7mm, 285 x 75mm	300-285-000
∅8mm, 270 x 65mm	300-270-000



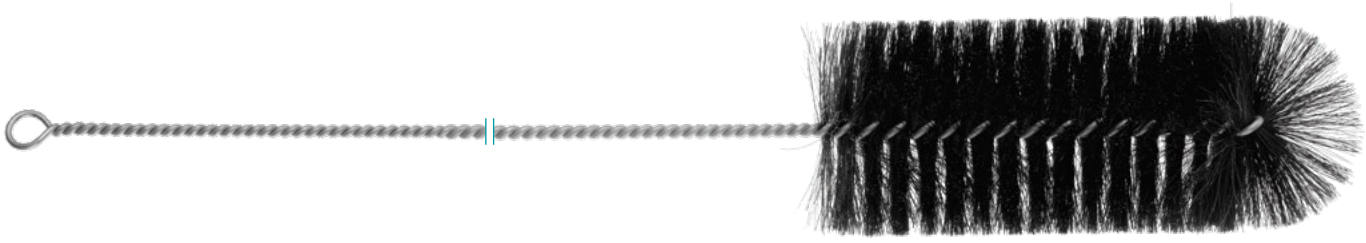
Cleaning Brush

∅12mm, 270 x 65mm	300-215-050
∅13mm, 215 x 60mm	300-215-000
∅15mm, 215 x 70mm	300-215-070
∅20mm, 215 x 65mm	300-215-080
∅25mm, 215 x 65mm	300-215-090
∅30mm, 215 x 60mm	300-215-100



Cleaning Brush

Ø12mm, 275 x 65mm	600-091-012
Ø15mm, 275 x 80mm	600-091-015
Ø30mm, 300 x 120mm	600-091-030
Ø50mm, 320 x 130mm	600-091-050



Cleaning Brush

Ø80mm, 490 x 180mm	300-092-080



Cleaning Brush

Ø50mm, 330 x 130mm	600-092-050



Cleaning Brush

Ø8/20mm, 300 x 190mm — 300-215-110



Cleaning Brush

Ø18/33mm, 300 x 110mm — 300-215-111



Cleaning Brush

Ø15/25mm, 320 x 70mm — 300-215-112



Cleaning Brush

Ø15/25mm, 320 x 70mm — 300-215-112



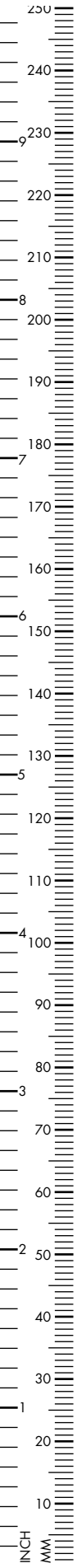
RZ Brush Dispenser
for 20 brushes with suspension hook

240 x 275 x 70mm 600-950-100



Cleaning Brush with plastic handle
10 pcs. / package

600-050-000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