

CARDIOVASCULAR & THORACIC INSTRUMENTS

09



Vollmar Ring Stripper

TWS9-001
50 cm
2 mm Ø

TWS9-002
50 cm
3 mm Ø

TWS9-003
50 cm
4 mm Ø

TWS9-004
50 cm
5 mm Ø

TWS9-005
50 cm
6 mm Ø

TWS9-006
50 cm
8.5 mm Ø

TWS9-007
50 cm
10 mm Ø

TWS9-008
50 cm
12 mm Ø

TWS9-009
50 cm
14 mm Ø



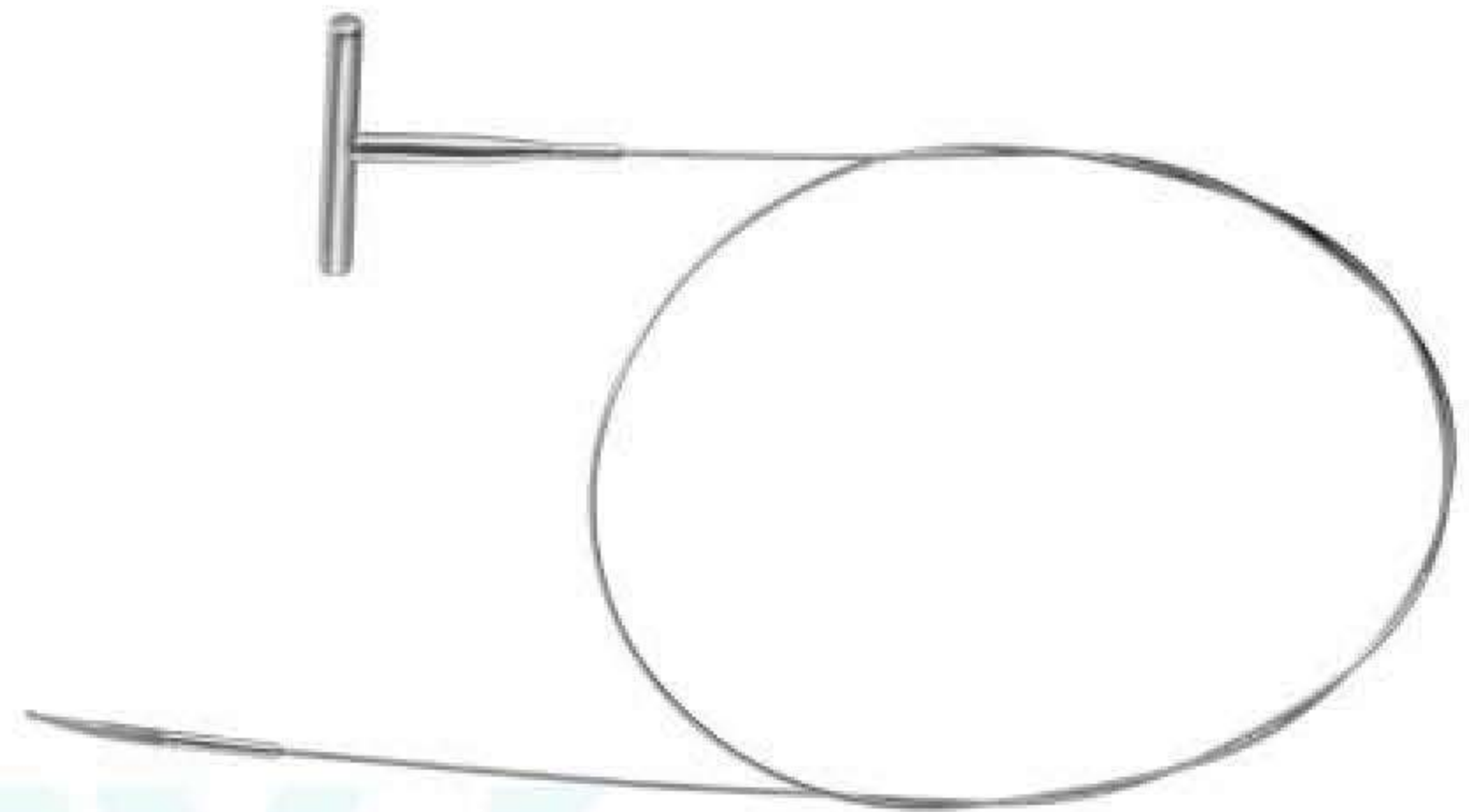
Handle For
Vollmar Ring
Stripper
TWS9-010
11.5 cm

**Rumel - Belmont
Vein Strippers**
32.5 cm
Tourniquet
TWS9-011
3.2 mm Ø
For children
TWS9-012
6.4 mm Ø
For adults



Krampfaderbesteck
Trousse a varices

Juego para varices
Astuccio per varici



**Nabatoff Varicose Vein Stripper
TWS9-013**

135mmx100mmx25mm
complete

TWS9-014

Nabatoff

Metal Case

TWS9-015

Nabatoff

Handle

TWS9-016

Nabatoff

Cable 900mm



3mm



6mm



9mm



12mm

TWS9-017

Nabatoff

Probe tip in plastic



**Nabatoff
Metal Probe
TWS7-018
3mm**



**Nabatoff
Metal Olive
TWS9-019
6mm**



**Nabatoff
Metal Olive
TWS9-020
9mm**



**Nabatoff
Metal Olive
TWS9-021
12mm**



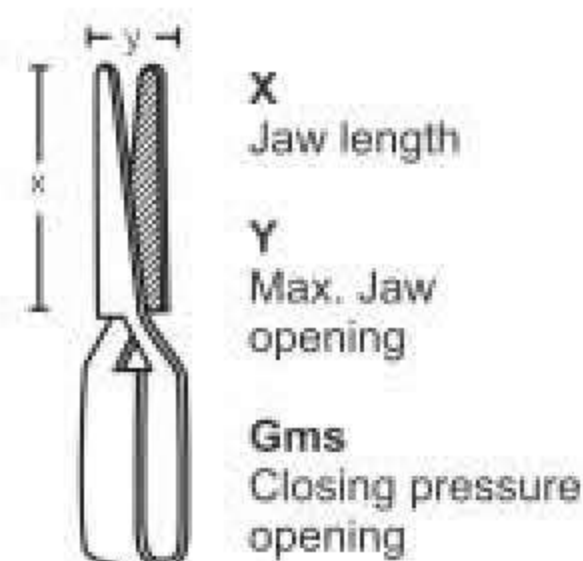
**Nabatoff
Metal Olive
TWS9-022
15mm**

Approximatoren, Gefäßclips nach Biemer
Approximateurs, clips selon Biemer

Approximadores, Biemer clips
Approssimatori, clips vascolari Biemer



Biemer
TWS9-023 14.5 cm
applying forceps with lock
TWS9-024 14.5 cm
applying forceps without lock



Biemer
Vessel Clip

Biemer Vessel Approximator with adjustable clip distance



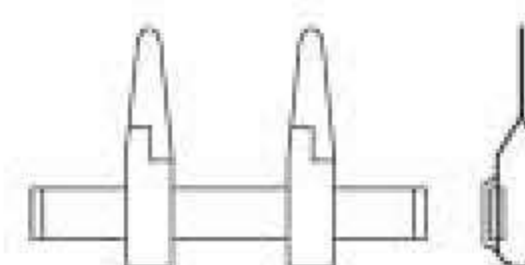
TWS9-025
x=6mm
y=4mm
gms=30-40



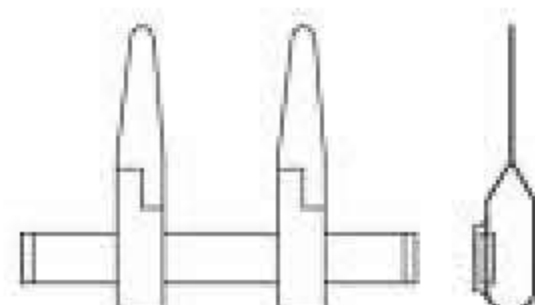
TWS9-026
x=9mm
y=5mm
gms=30-40



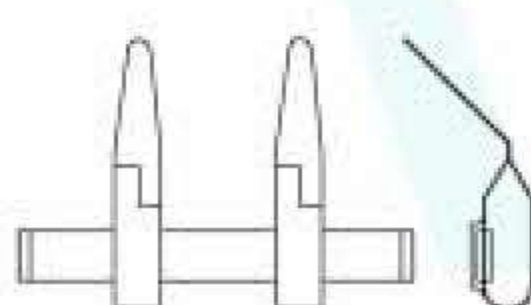
TWS9-027
x=9mm
y=5mm
gms=20-25



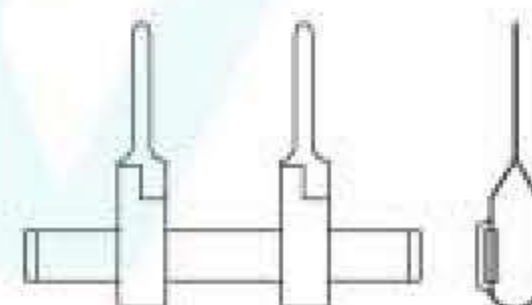
TWS9-028
x=4.5mm
y=3.0mm
gms=30-40



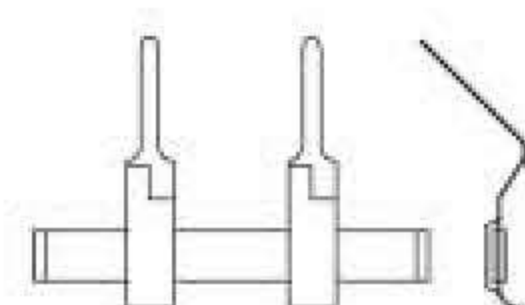
TWS9-029
x=9mm
y=5mm
gms=30-40



TWS9-030
x=9mm
y=5mm
gms=30-40



TWS9-031
x=9mm
y=5mm
gms=20-25



TWS9-032
x=9mm
y=5mm
gms=30-40

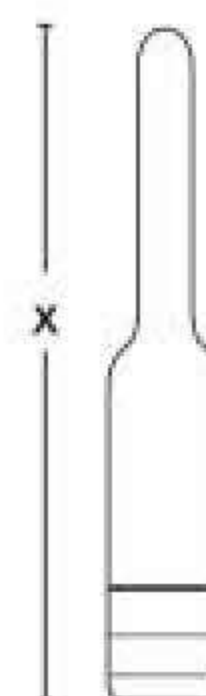
For temporary occlusion, (identified by yellow coloured spring ends) for vessels of 0.5mm-2.0mm. Blade gripping surface with oblique serrations for save but careful gripping of vessels. No risk due to rigidly fixed pressure measure.



Clip Applying Forceps
TWS9-033 14cm with lock
TWS9-034 14cm with out lock



Clip Applying Forceps
TWS9-035 14cm
for approximators
and double-clips



X Length
Ø Vessel
V Vein
A Artery

Approximatoren, Gefäßclips nach Biemer
Approximateurs, clips selon Biemer

Approximadores, Biemer clips
Approssimatori, clips vascolari Biemer

APPROXIMATORS BIEMER CLIPS



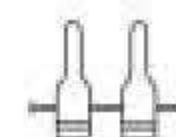
X=8mm
TWS9-036 V
TWS9-037 A
Ø=0,4 mm - 1 mm



X=8mm
TWS9-038 V
TWS9-039 A
Ø=0,4 mm - 1 mm



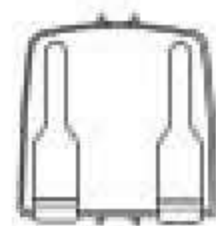
X=8mm
TWS9-040 V
TWS9-041 A
Ø=0,4 mm - 1 mm



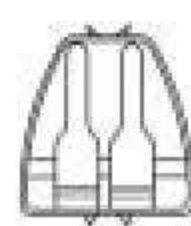
X=8mm
TWS9-042 V
TWS9-043 A
Ø=0,4 mm - 1 mm



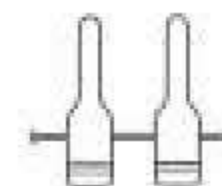
X=11mm
TWS9-044 V
TWS9-045 A
Ø=0,6 mm - 1,5 mm



X=11mm
TWS9-046 V
TWS9-047 A
Ø=0,6 mm - 1,5 mm



X=11mm
TWS9-048 V
TWS9-049 A
Ø=0,6 mm - 1,5 mm



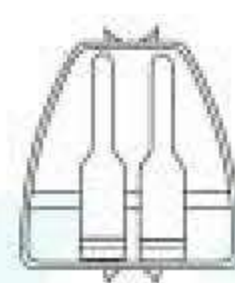
X=11mm
TWS9-050 V
TWS9-051 A
Ø=0,6 mm - 1,5 mm



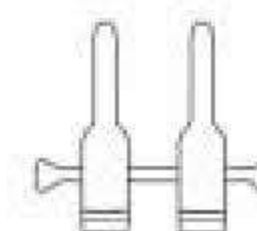
X=14mm
TWS9-052 V
TWS9-053 A
Ø=1 mm - 2 mm



X=14mm
TWS9-054 V
TWS9-055 A
Ø=1 mm - 2 mm



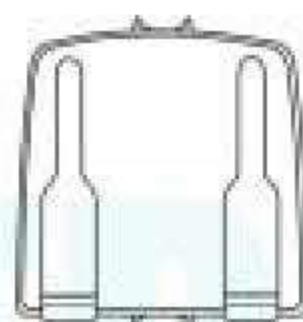
X=14mm
TWS9-056 V
TWS9-057 A
Ø=1 mm - 2 mm



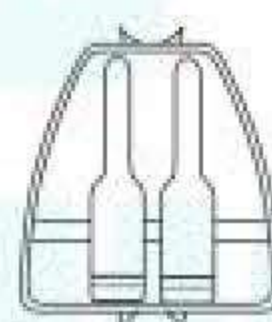
X=14mm
TWS9-058 V
TWS9-059 A
Ø=1 mm - 2 mm



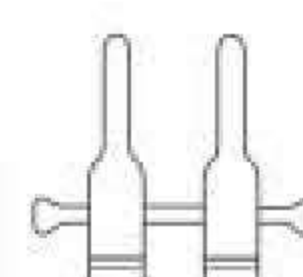
X=17mm
TWS9-060 V
TWS9-061 A
Ø=1 mm - 2,25 mm



X=17mm
TWS9-062 V
TWS9-063 A
Ø=1 mm - 2,25 mm



X=17mm
TWS9-064 V
TWS9-065 A
Ø=1 mm - 2,25 mm



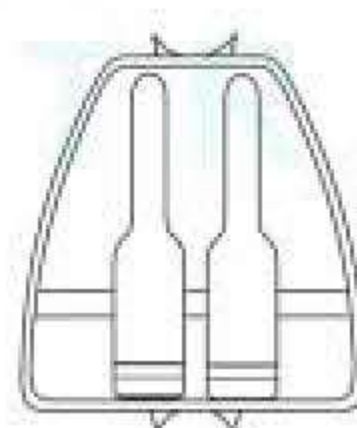
X=17mm
TWS9-066 V
TWS9-067 A
Ø=1 mm - 2,25 mm



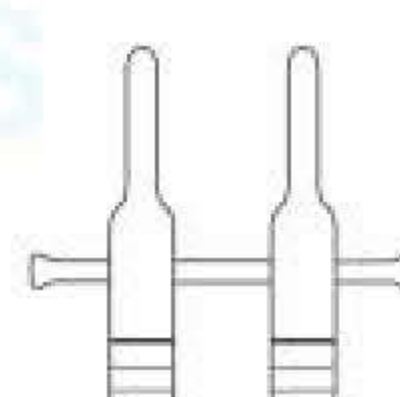
X=25mm
TWS9-068 V
TWS9-069 A
Ø=1,5 mm - 3,5 mm



X=25mm
TWS9-070 V
TWS9-071 A
Ø=1,5 mm - 3,5 mm



X=25mm
TWS9-072 V
TWS9-073 A
Ø=1,5 mm - 3,5 mm



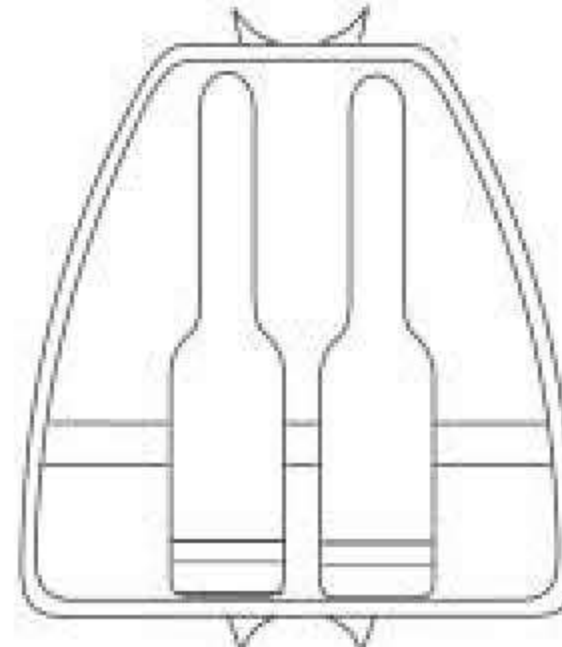
X=25mm
TWS9-074 V
TWS9-075 A
Ø=1,5 mm - 3,5 mm



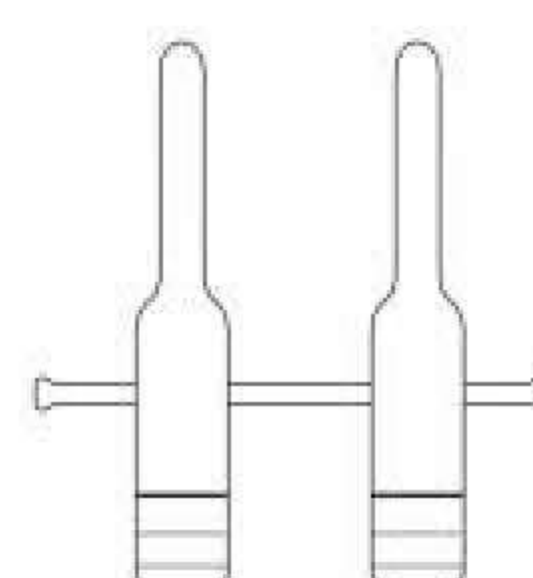
X=36mm
TWS9-076 V
TWS9-077 A
Ø=1,5 mm - 3,5 mm



X=36mm
TWS9-078 V
TWS9-079 A
Ø=1,5 mm - 3,5 mm



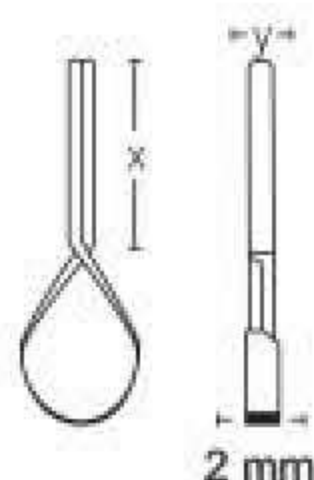
X=36mm
TWS9-080 V
TWS9-081 A
Ø=1,5 mm - 3,5 mm



X=36mm
TWS9-082 V
TWS9-083 A
Ø=1,5 mm - 3,5 mm

Approximatoren, Gefäßclips nach Biemer
Approximateurs, clips selon Biemer

Approximadores, Biemer clips
Approssimatori, clips vascolari Biemer



X=Jaw length
y=max. Opening
gms=Pressure

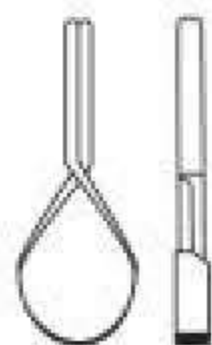
for temporary closure



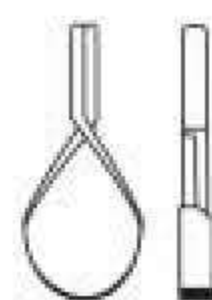
Biemer Clips
TWS9-084
15 cm
with ratchet



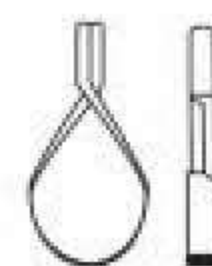
TWS9-086
x=10.0 mm
y=1.5 mm
gms=70



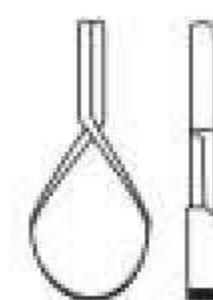
TWS9-087
x=8.0 mm
y=1.0 mm
gms=70



TWS9-088
x=6.0 mm
y=0.8 mm
gms=70



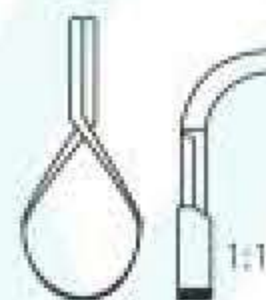
TWS9-089
x=4.0 mm
y=0.75 mm
gms=70



TWS9-090
x=6.0 mm
y=1.0 mm
gms=70



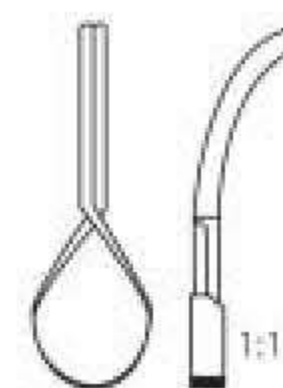
TWS9-091
x=6.0 mm
y=1.0 mm
gms=70



TWS9-092
x=6.0 mm
y=1.0 mm
gms=70



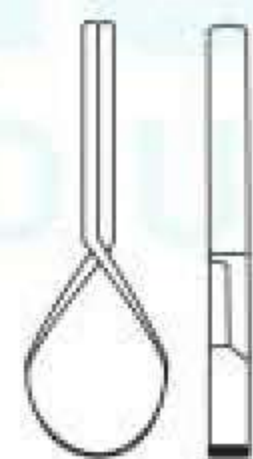
TWS9-093
x=6.0 mm
y=1.0 mm
gms=70



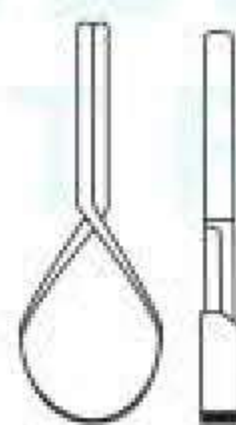
TWS9-094
x=10.0 mm
y=1.0 mm
gms=70

TWS9-085
18 cm
with ratchet,
bayonet shaped

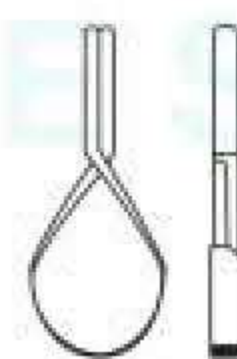
For clips TWS9-085 to TWS9-101



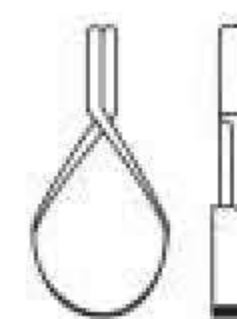
TWS9-095
x=10.0 mm
y=2.0 mm
gms=150



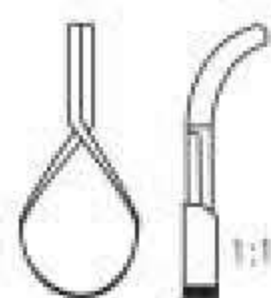
TWS9-096
x=8.0 mm
y=2.0 mm
gms=150



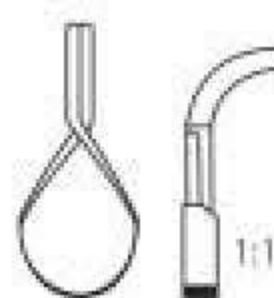
TWS9-097
x=6.0 mm
y=1.0 mm
gms=150



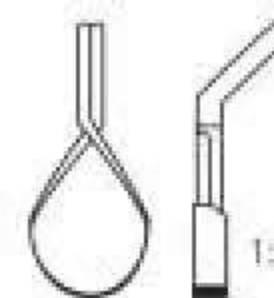
TWS9-098
x=4.0 mm
y=0.75 mm
gms=150



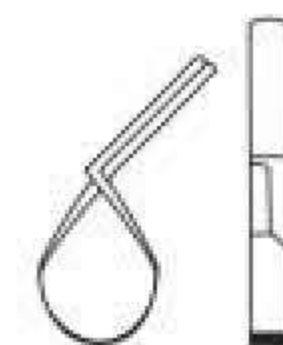
TWS9-099
x=6.0 mm
y=1.0 mm
gms=150



TWS9-100
x=6.0 mm
y=1.0 mm
gms=150



TWS9-101
x=6.0 mm
y=1.0 mm
gms=150



TWS9-102
x=8.0 mm
y=2.0 mm
gms=150

Mini-Bulldogklemmen

Mini-Clamps Bulldog

Mini-Clamps Bulldog

Mini Bulldog Clamps



**Johns Hopkins
Bulldog Clamps**
serrated jaws

TWS9-103 38 mm straight
TWS9-104 50 mm straight
TWS9-105 55 mm straight
TWS9-106 65 mm straight
TWS9-107 70 mm straight
TWS9-108 75 mm straight
TWS9-109 90 mm straight



TWS9-110 38 mm slightly curved
TWS9-111 50 mm slightly curved
TWS9-112 55 mm slightly curved
TWS9-113 65 mm slightly curved
TWS9-114 70 mm slightly curved
TWS9-115 75 mm slightly curved
TWS9-116 90 mm slightly curved



**Diethrich Micro-Corony
Bulldog Clamps**
5 cm
straight

TWS9-118 8 mm
TWS9-119 12 mm
TWS9-120 16 mm
TWS9-121 20 mm



Bulldog Clamp Applying Forceps
TWS9-117 22 cm
angled tips



**Diethrich Micro-Corony
Bulldog Clamps**
5 cm angled jaws

TWS9-122 8 mm
TWS9-123 12 mm
TWS9-124 13 mm
TWS9-125 16 mm
TWS9-126 18 mm
TWS9-127 20 mm



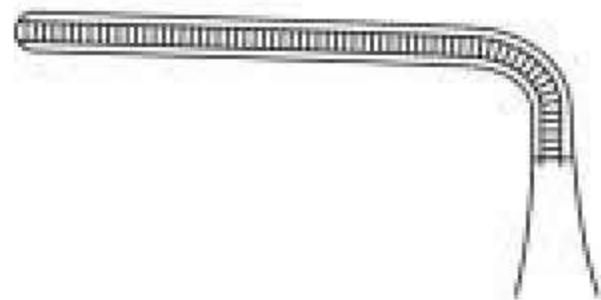
**Cooley Cross Action
Bulldog Clamp**



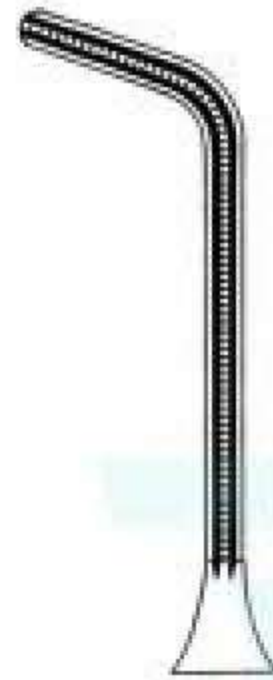
TWS9-128 7.3cm jaw length
1.6cm straight jaw
TWS9-129 8.3cm jaw length
1.6cm straight jaw
TWS9-130 9.8cm jaw length
3.8cm straight jaw
TWS9-131 11.4cm jaw length
5.7cm straight jaw



TWS9-132 7.3cm jaw length
1.6cm curved jaw
TWS9-133 8.3cm jaw length
1.6cm curved jaw
TWS9-134 9.8cm jaw length
3.8cm curved jaw
TWS9-135 11.4cm jaw length
5.7cm curved jaw



**Santulli Atraumatic
TWS9-136**
7 cm



**Gregory-Soft
TWS9-137**
9 cm



**Gregory-Soft
TWS9-138**
11 cm



**Gregory
TWS9-139**
left, 11 cm



**Gregory
TWS9-140**
right, 11 cm



**Santulli Atraumatic
Bulldog Clamps**



Gregory-Soft



Gregory

Atrauma Mikro-Bulldogklemmen

Micro-Clamps Bulldog à mors Atrauma

Micro-Clamps Bulldog con bocas Atrauma

Attrae i morsetti Micro Bulldog



De Bakey



TWS9-141
7.5 cm



TWS9-142
8.5 cm



TWS9-143
10 cm



TWS9-144
12 cm



Applying forceps
for bulldog clamps
TWS9-149
24 cm



De Bakey



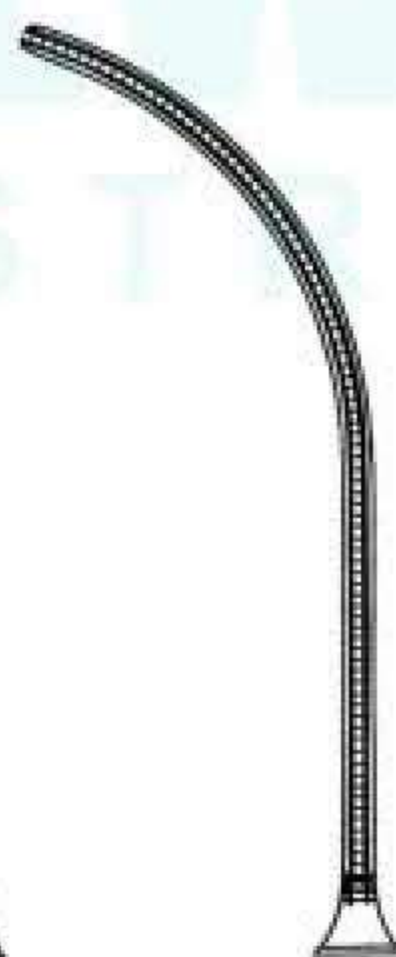
TWS9-145
7.5 cm



TWS9-146
8.5 cm



TWS9-147
9.5 cm



TWS9-148
11 cm



Glover



TWS9-150
7 cm



TWS9-151
8 cm



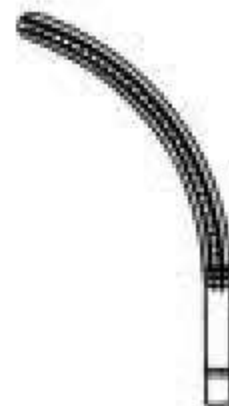
TWS9-152
9.5 cm



TWS9-153
11 cm



Glover



TWS9-154
6.5 cm



TWS9-155
7.5 cm



TWS9-156
9 cm



TWS9-157
10.5 cm

Atrauma Bulldogklemmen

Clamps Bulldog à mors Atrauma

Clamps Bulldog con bocas Atrauma

Attrae i morsetti del bulldog



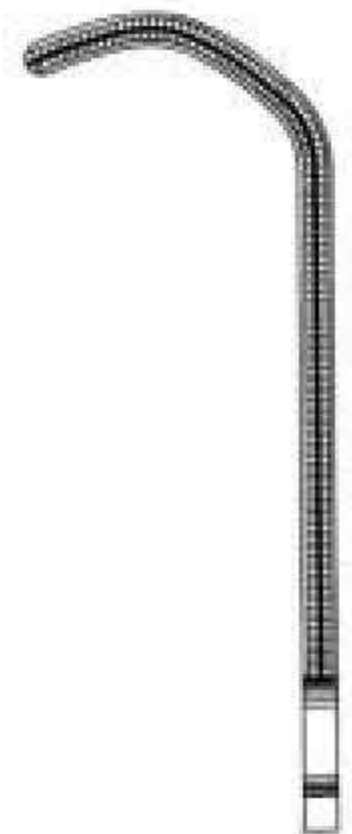
De Bakey-Satinsky
TWS9-158
7 cm



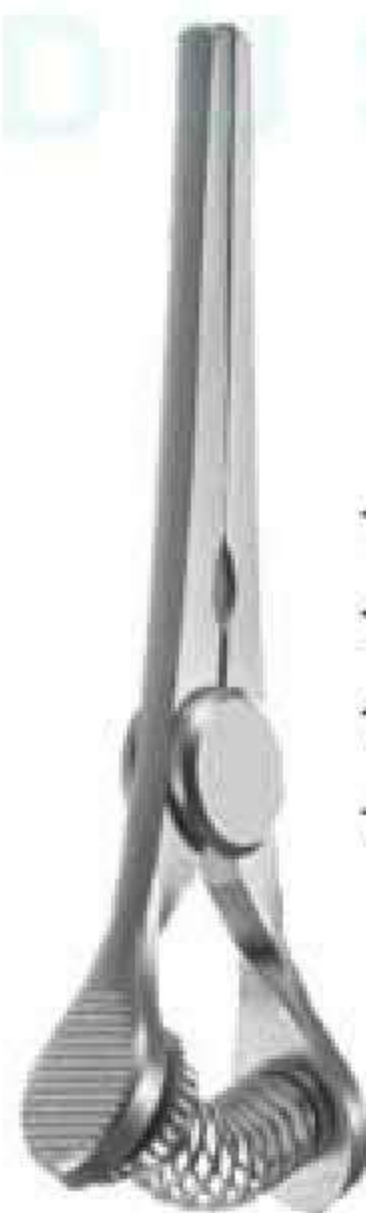
De Bakey-Satinsky
TWS9-159
9 cm



De Bakey-Satinsky
TWS9-160
10 cm



Glover,
angled
TWS9-161 6.5 cm



Cooley Atrauma
Bulldog Clamps
cooley serrations with
adjusting screw to regulate
tension, Straight

- TWS9-162** 5.1cm, jaw
length 2cm
- TWS9-163** 6.7cm, jaw
length 3cm
- TWS9-164** 8.6cm, jaw
length 4.7cm
- TWS9-165** 13.3cm, jaw
length 6cm



Cooley Atrauma
Bulldog Clamps
cooley serrations with
adjusting screw to regulate
tension, curved

- TWS9-166** 4.4cm, jaw
length 1.8cm
- TWS9-167** 6.4cm, jaw
length 2.4cm
- TWS9-168** 7.6cm, jaw
length 4cm
- TWS9-169** 12.4cm, jaw
length 5.2cm





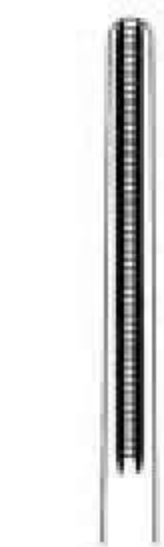
De Bakey
2.7 mm



TWS9-170
16 cm



TWS9-171
20 cm



TWS9-172
25 cm



TWS9-173
30 cm



De Bakey
1.5 mm



TWS9-174
16 cm



TWS9-175
20 cm



TWS9-176
25 cm



De Bakey
2 mm



TWS9-177
16 cm



TWS9-178
20 cm



TWS9-179
24 cm



TWS9-180
30 cm



De Bakey
2 mm



TWS9-181
16 cm



TWS9-182
19.5 cm



TWS9-183
25 cm



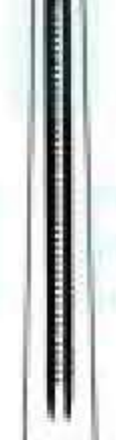
TWS9-184
30 cm



De Bakey
3.5 mm



TWS9-185
16 cm



TWS9-186
20 cm



TWS9-187
25 cm



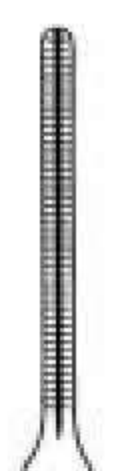
TWS9-188
30 cm



Cooley
2.0 mm



TWS9-189
16 cm



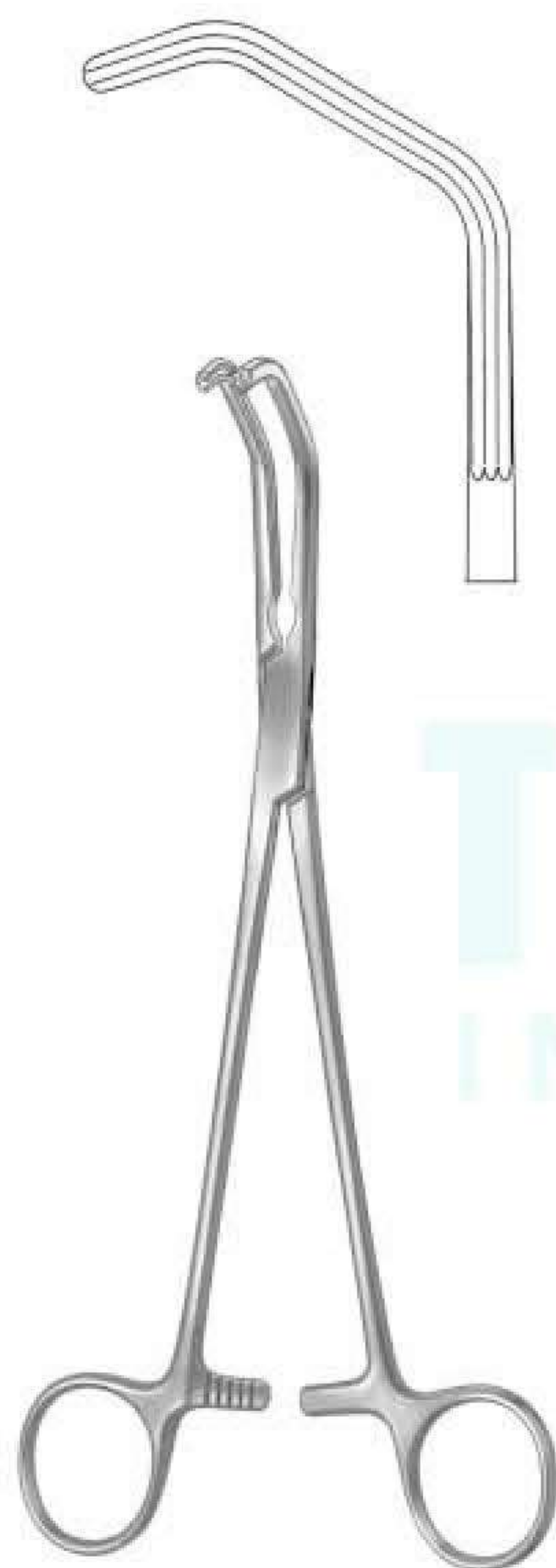
TWS9-190
20 cm

Arterien- und Bronchusklemmen

Pinzas hemostáticas y pinzas para bronquios

Pinces hémostatiques et pincers bronchiques

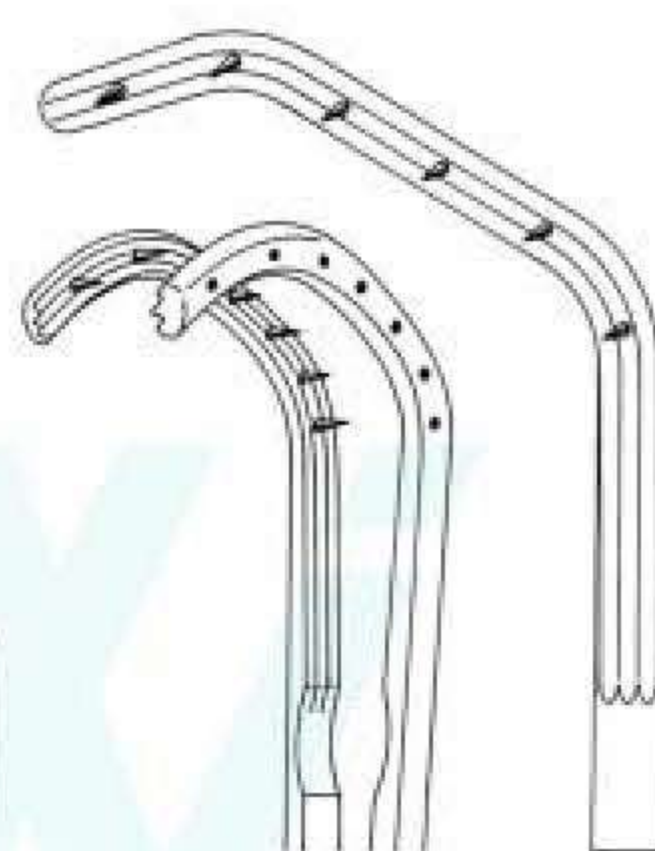
Pinze per arterie e bronchi



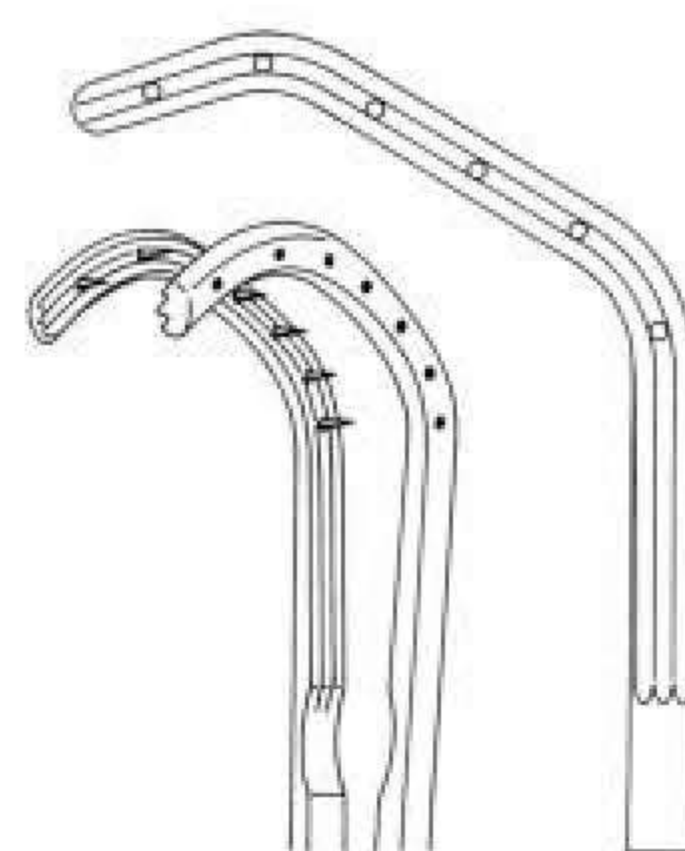
Price-Thomas
TWS9-191
22 cm



Price-Thomas
22 cm



TWS9-192
Fig.1



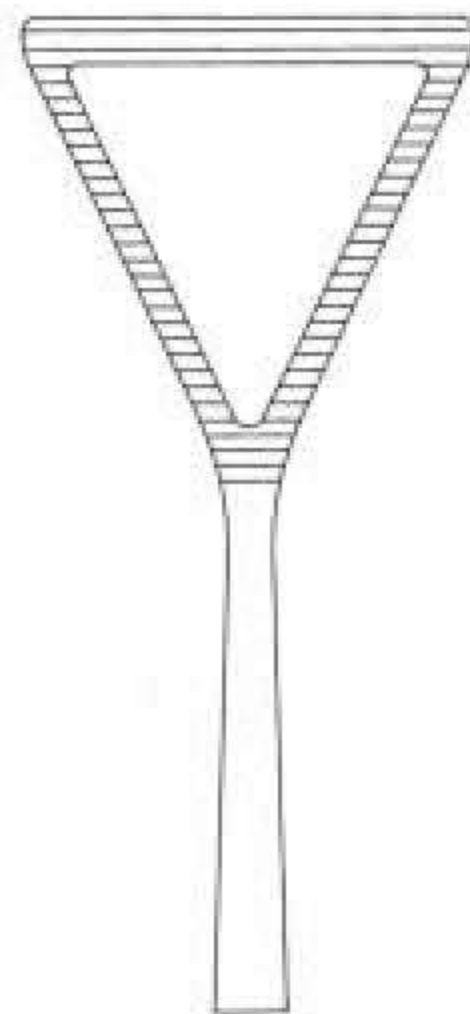
TWS9-193
Fig.2

Gefäßklemmen	Pinzas vasculares
Pinces vasculaires	Pinze vascolari

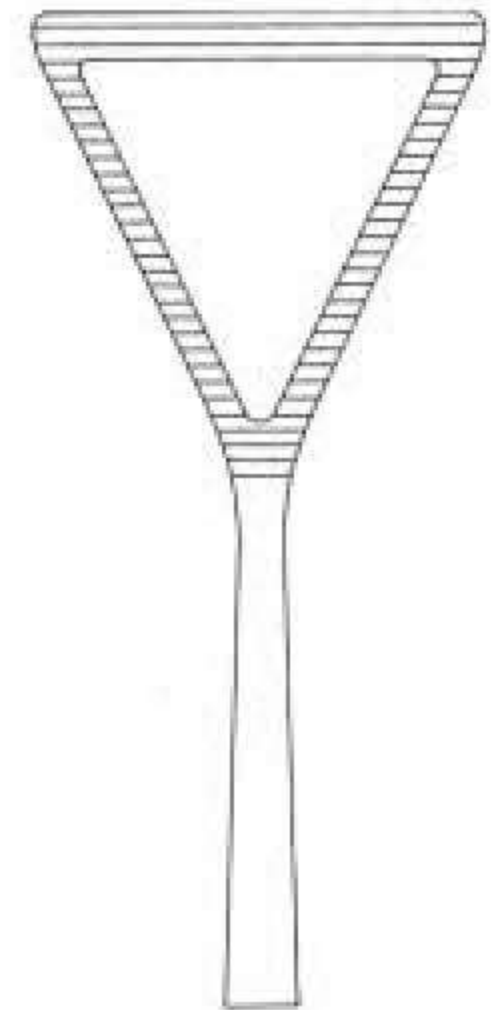
Lung grasping forceps



Lovelace
TWS9-196
Straight
20.5 cm



Lovelace
TWS9-197
Curved
19 cm



Hemostatic forceps



De Bakey-Rankin
16 cm



TWS9-198
Straight



TWS9-199
Curved



De Bakey-Mosquito
15 cm



TWS9-200
Straight



TWS9-201
Curved



Ochsner
TWS9-202
22 cm

Diethrich
TWS9-203
21 cm

Mehrzweck-Gefäßklemmen

Pinces vasculaires universelles

Pinzas vasculares de usos múltiples

Morsetti vascolari multiuso



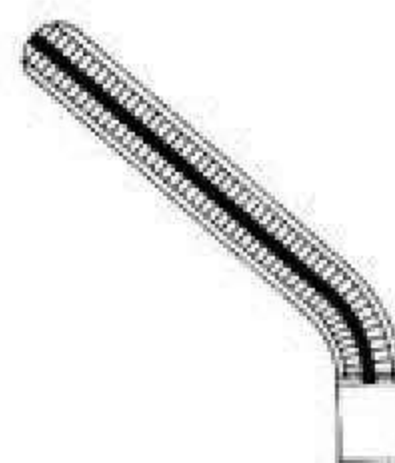
TWS9-204
16 cm



TWS9-205
15.5 cm
15°



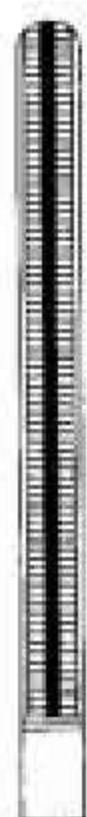
TWS9-206
15.5 cm
30°



TWS9-207
15 cm
45°



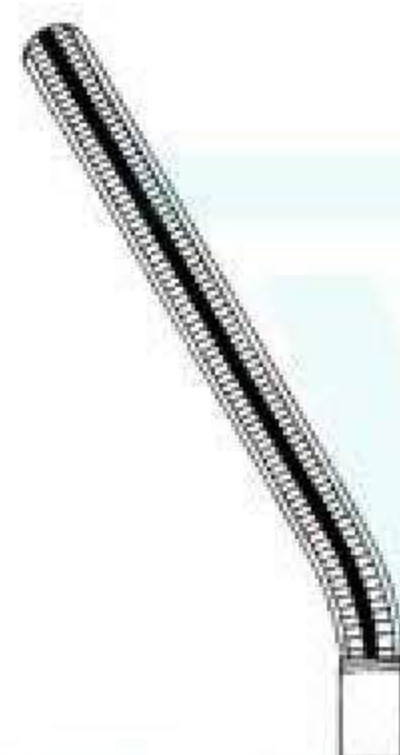
TWS9-208
13.5 cm
90°



TWS9-209
17 cm



TWS9-210
16.5 cm
15°



TWS9-211
16 cm
30°



TWS9-212
16 cm
45°



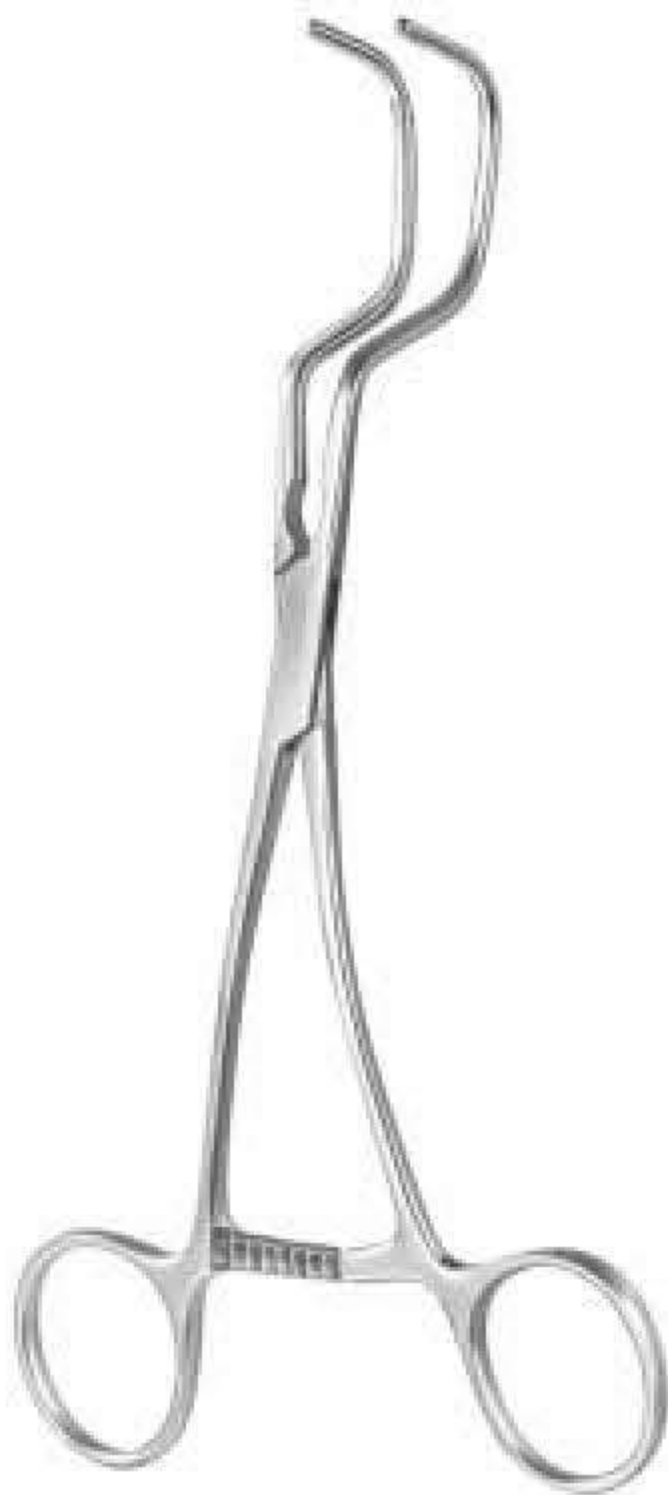
TWS9-213
14 cm
90°



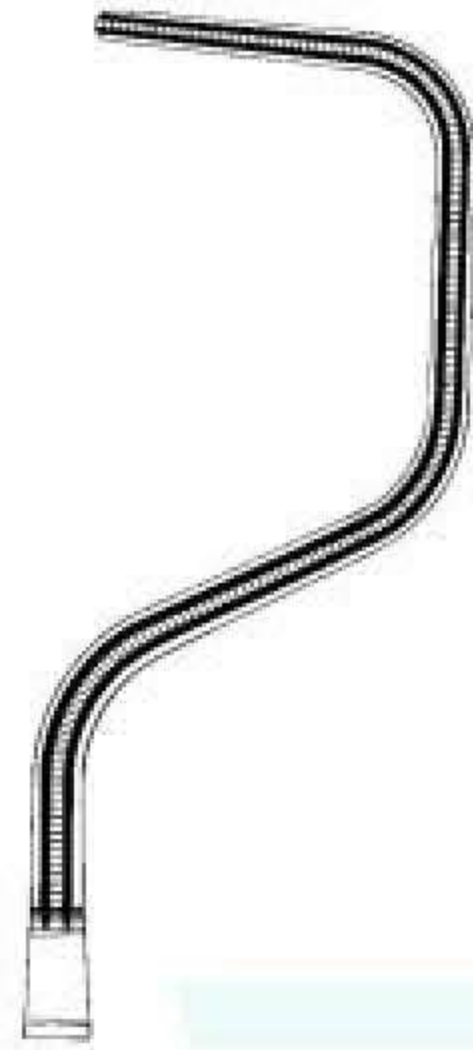
Dardik

Peripheral-Gefäßklemmen
Pinzas para vasos periféricos

Pinces-clamps vasculaires périphériques
Morsetti vascolari periferici



Dale
TWS9-214
18 cm



TWS9-215
small
17.5 cm



Dale



TWS9-216
medium
17.5 cm



TWS9-217
large
18.5 cm



Profundaklemmen
Pinces profundes

Abrazaderas Profunda
Morsetti Profunda

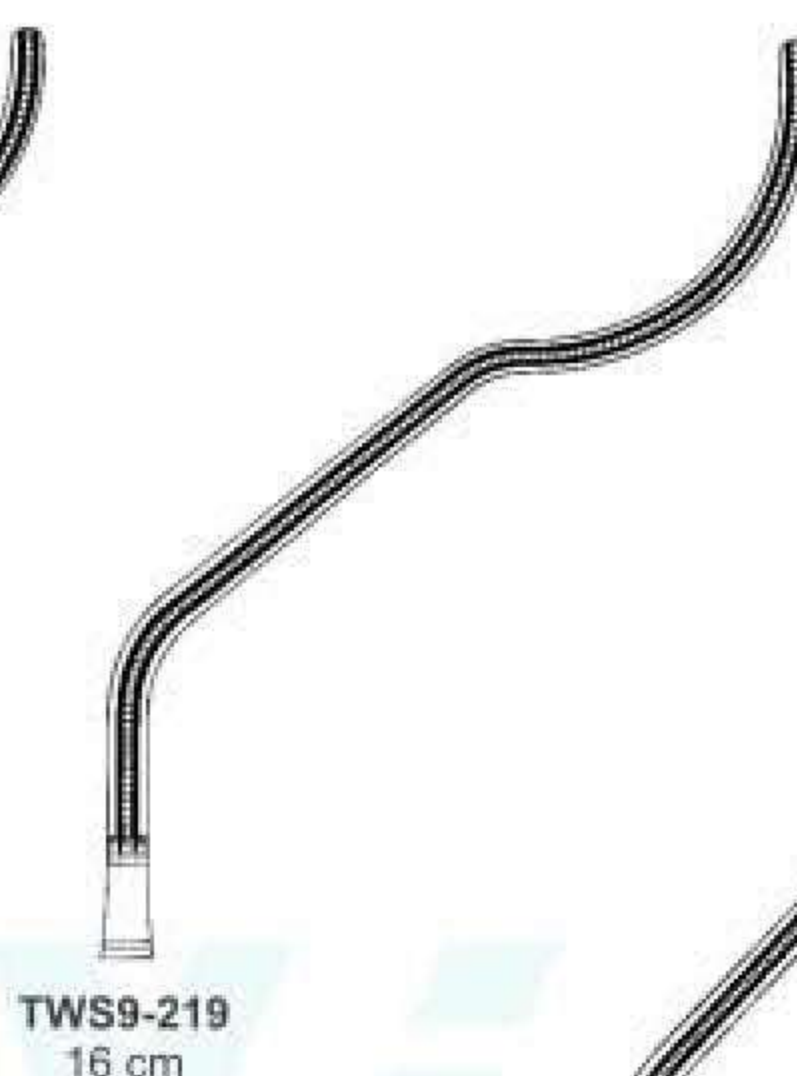
Profunda Clamps



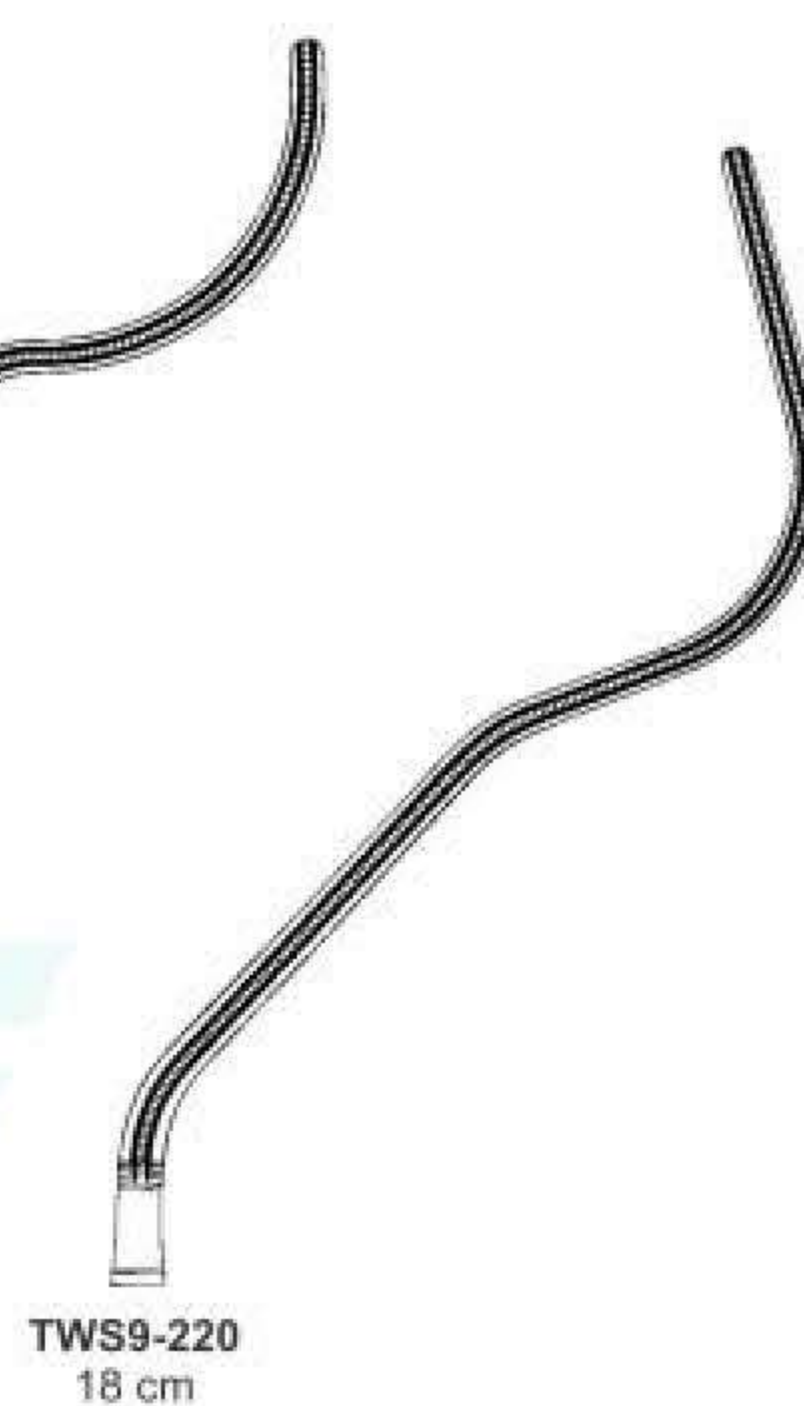
Gregory



TWS9-218
13.5 cm



TWS9-219
16 cm



TWS9-220
18 cm



Javid
TWS9-221
17.5 cm



Carotid Shunt Clamps
Carotis-Shuntklemmen
Pinzas para shunt carótido
Pinces pour carotide

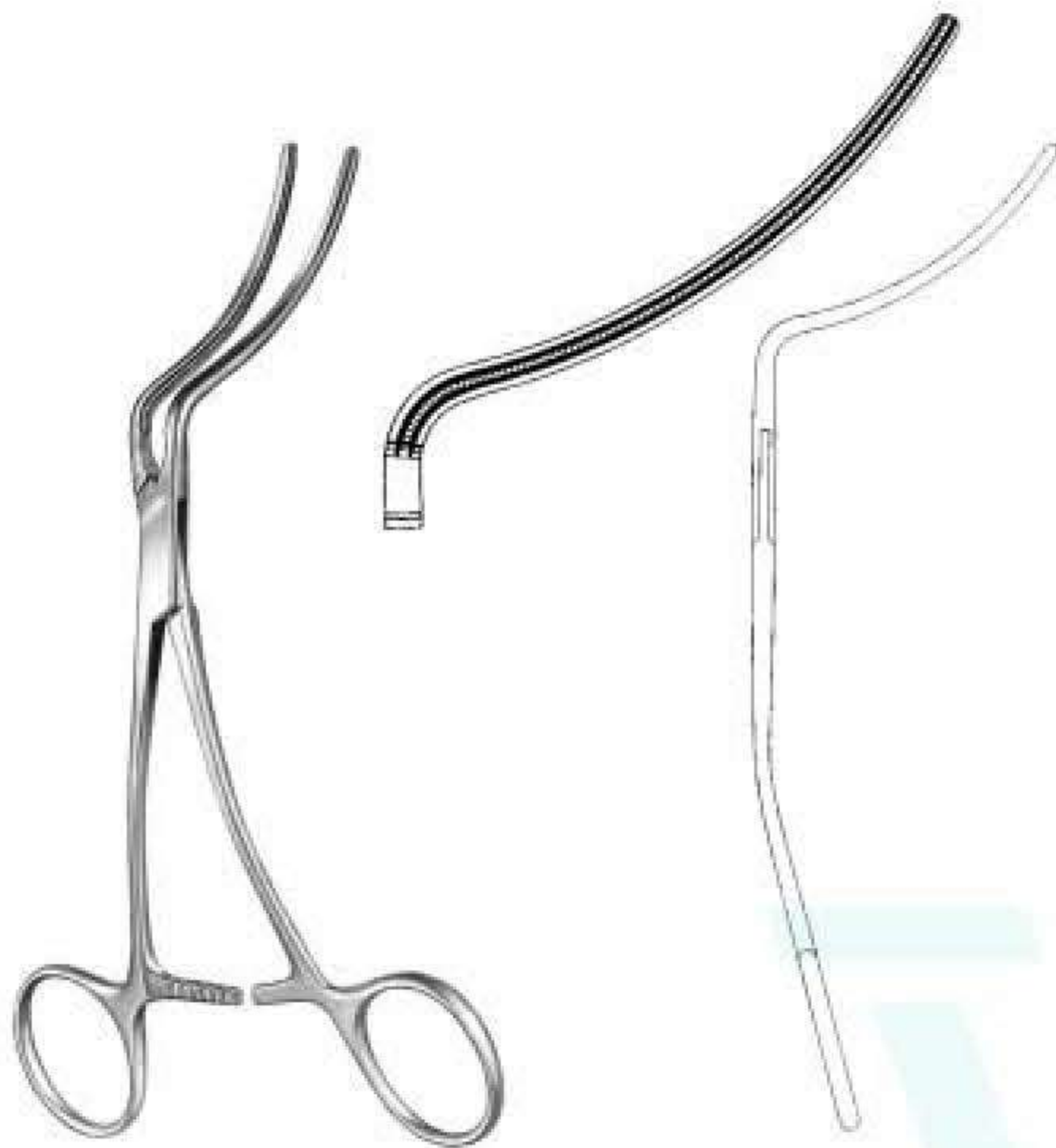


Javid
TWS9-222
18.5 cm



Peripheral-Gefäßklemmen
Pinzas para vasos periféricos

Pinces-clamps vasculaires périphériques
Morsetti vascolari periferici



**Martin-Peripheral
TWS9-223**
16 cm



**Martin-Peripheral
TWS9-224**
17 cm



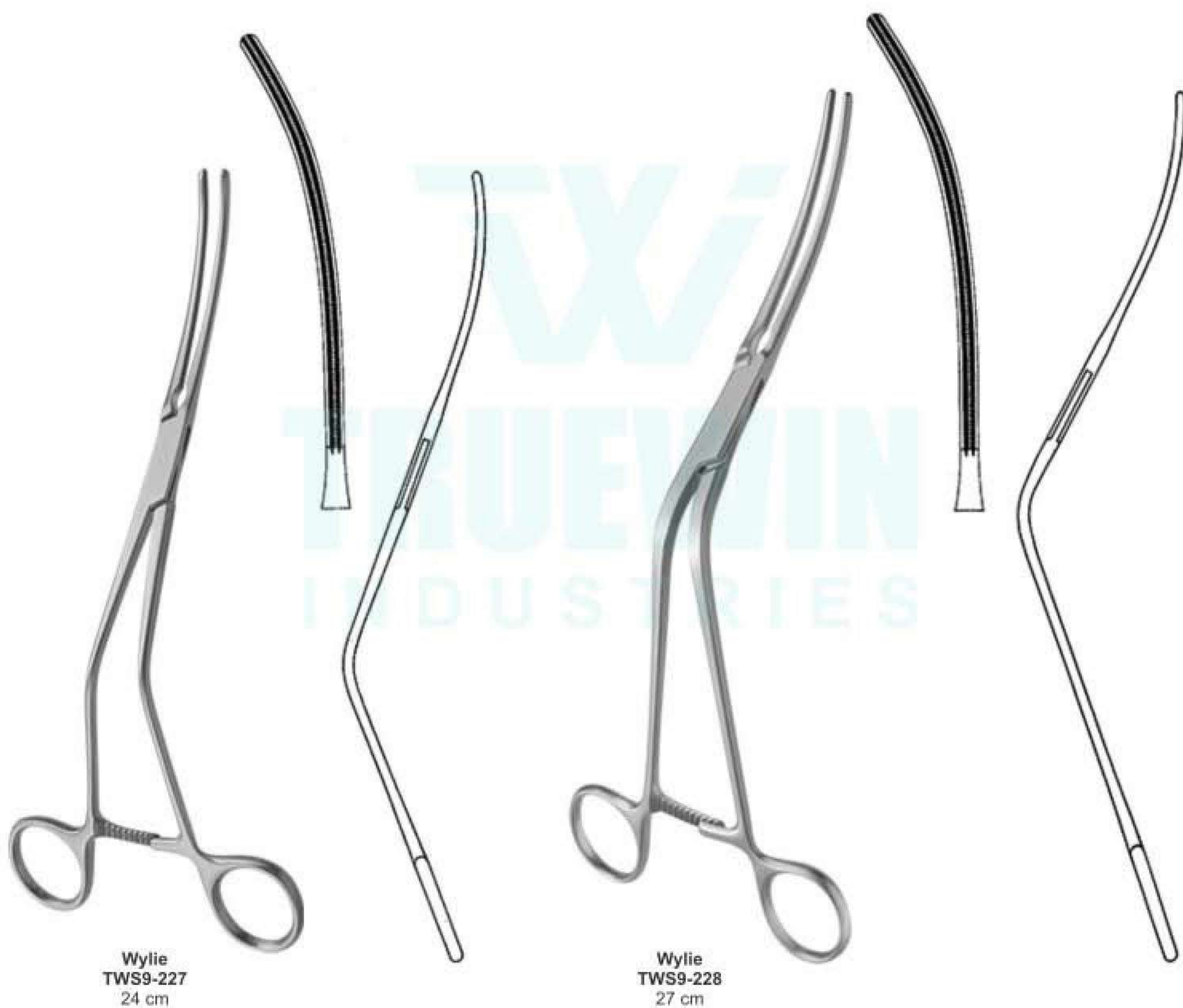
**Martin-Peripheral
TWS9-225**
18 cm



**Martin-Peripheral
TWS9-226**
19.5 cm

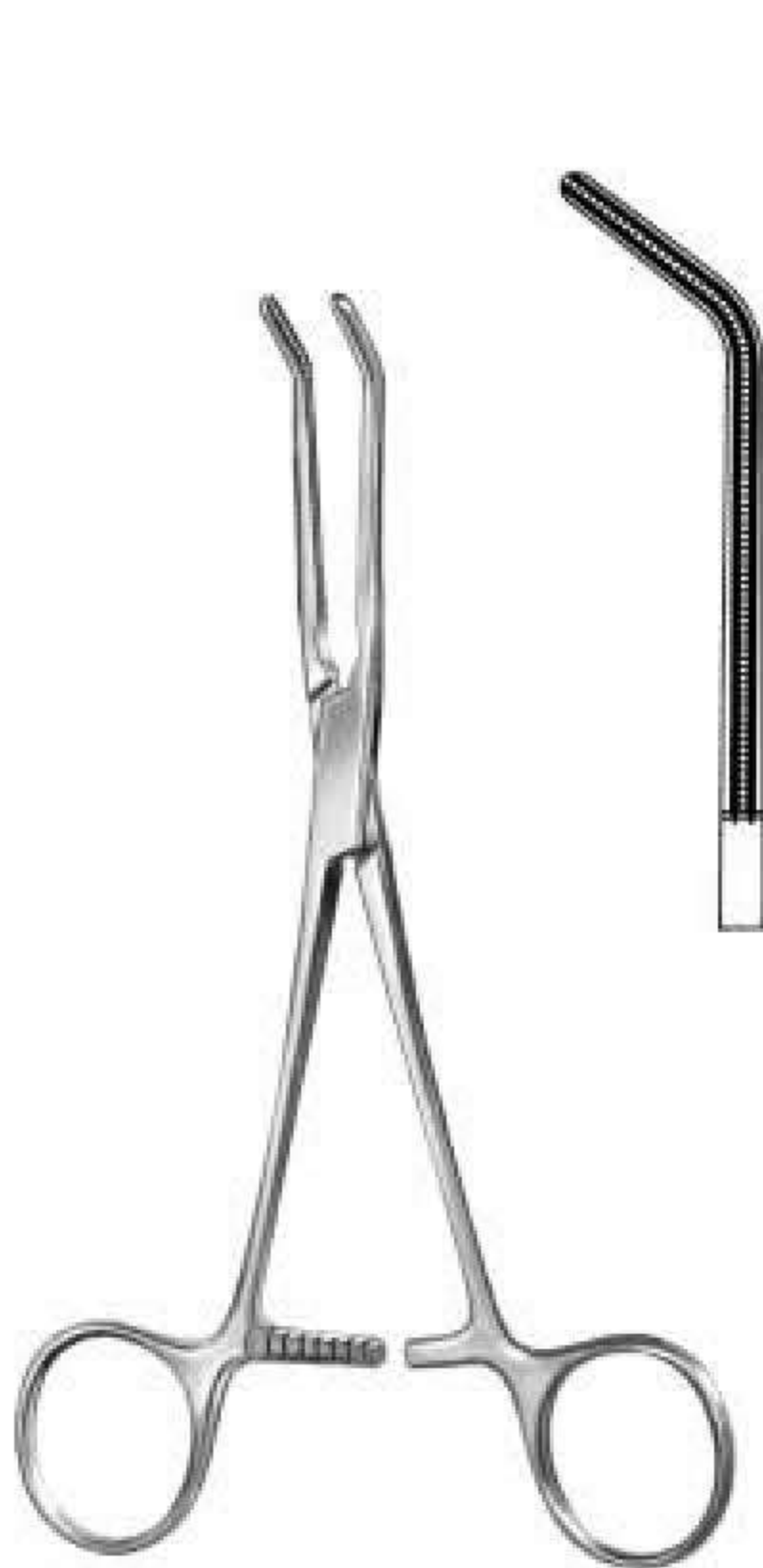
Aortaklemmen
Pinzas aórticas

Pinces-clamps pour aorte
Morsetti aortici



Peripheral-Gefäßklemmen
Pinzas para vasos periféricos

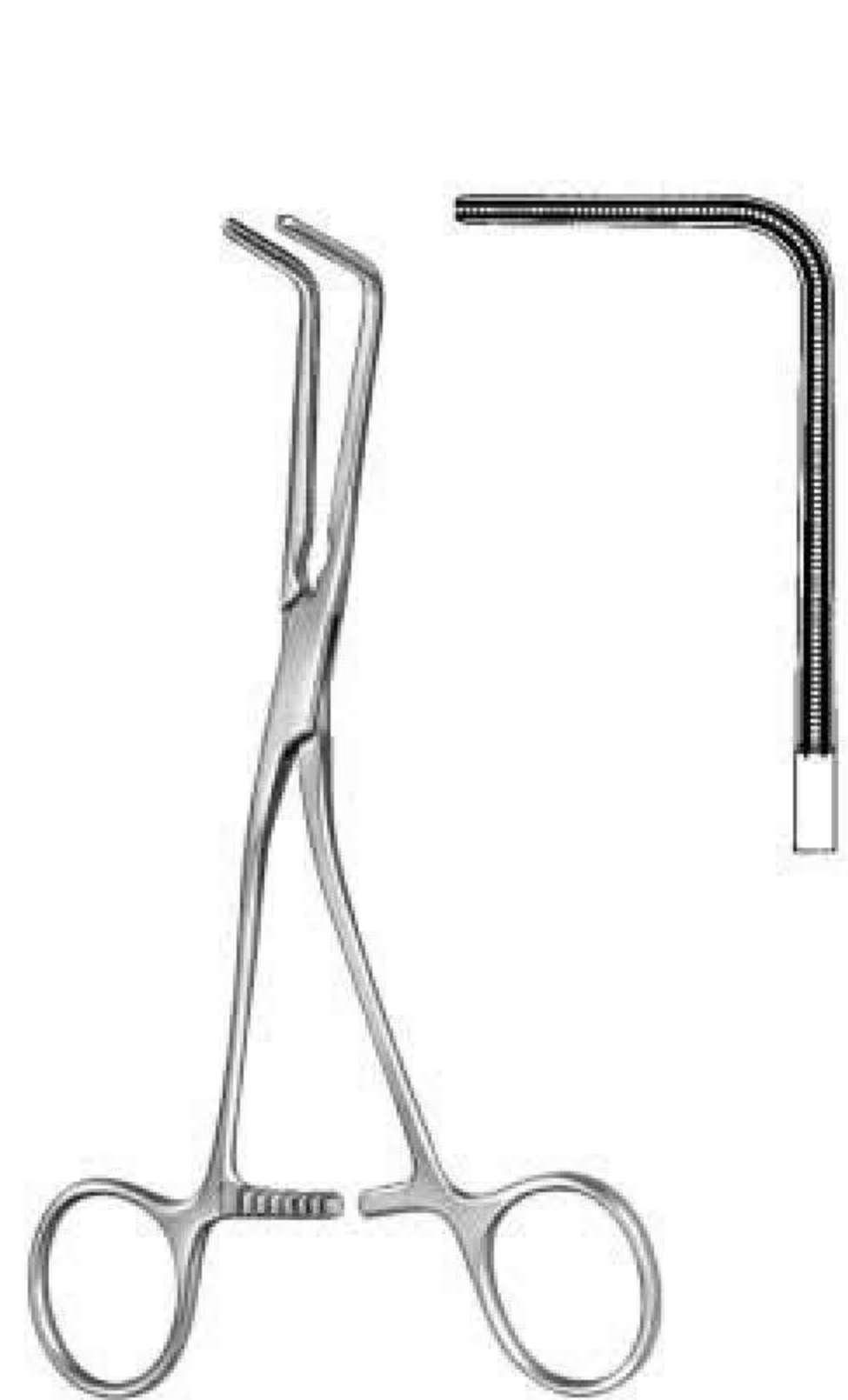
Pinces-clamps vasculaires périphériques
Morsetti vascolari periferici



Husfeldt-Peripher
TWS9-229
16.5 cm



Husfeldt-Peripher
TWS9-230
18 cm

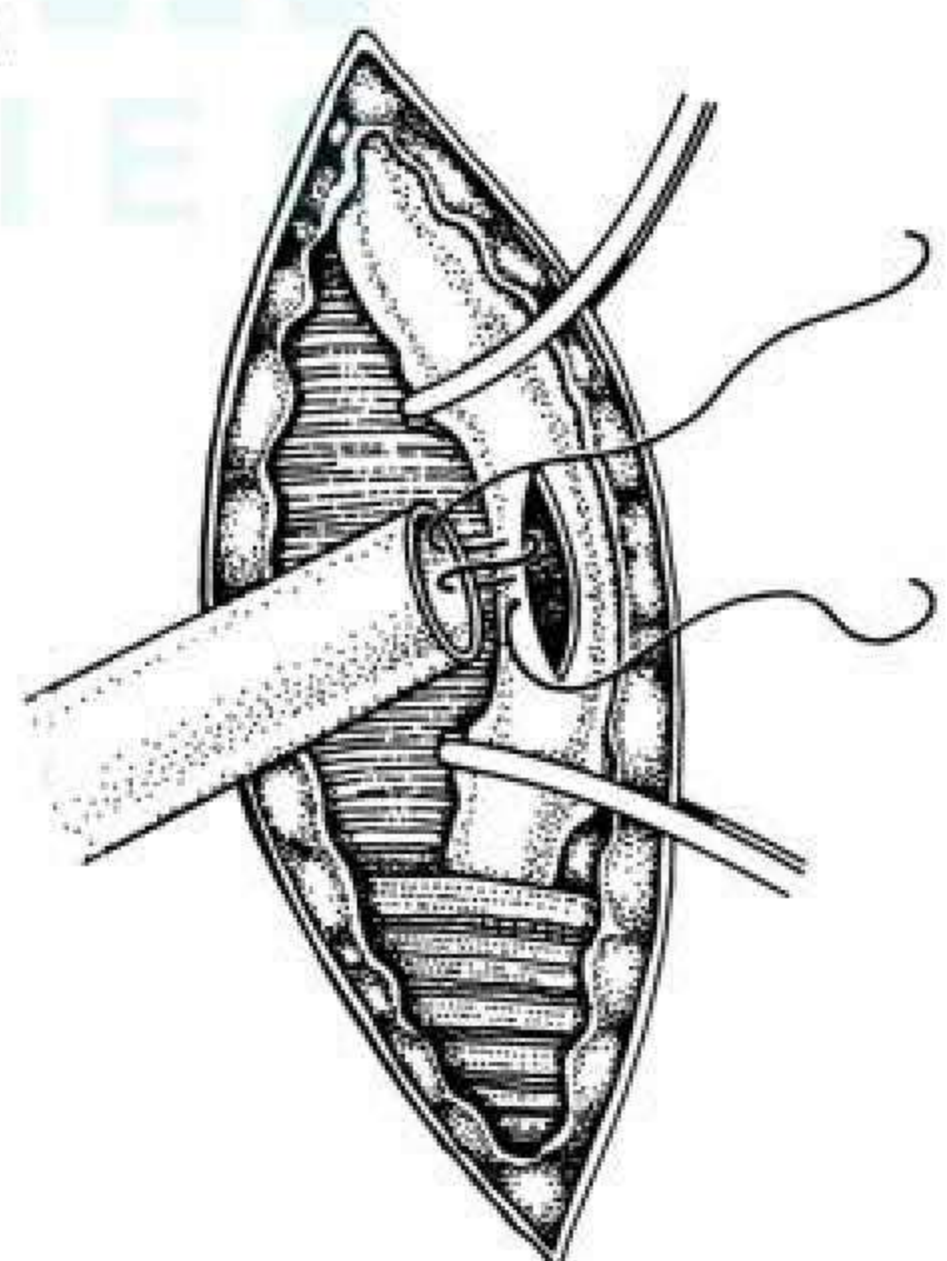
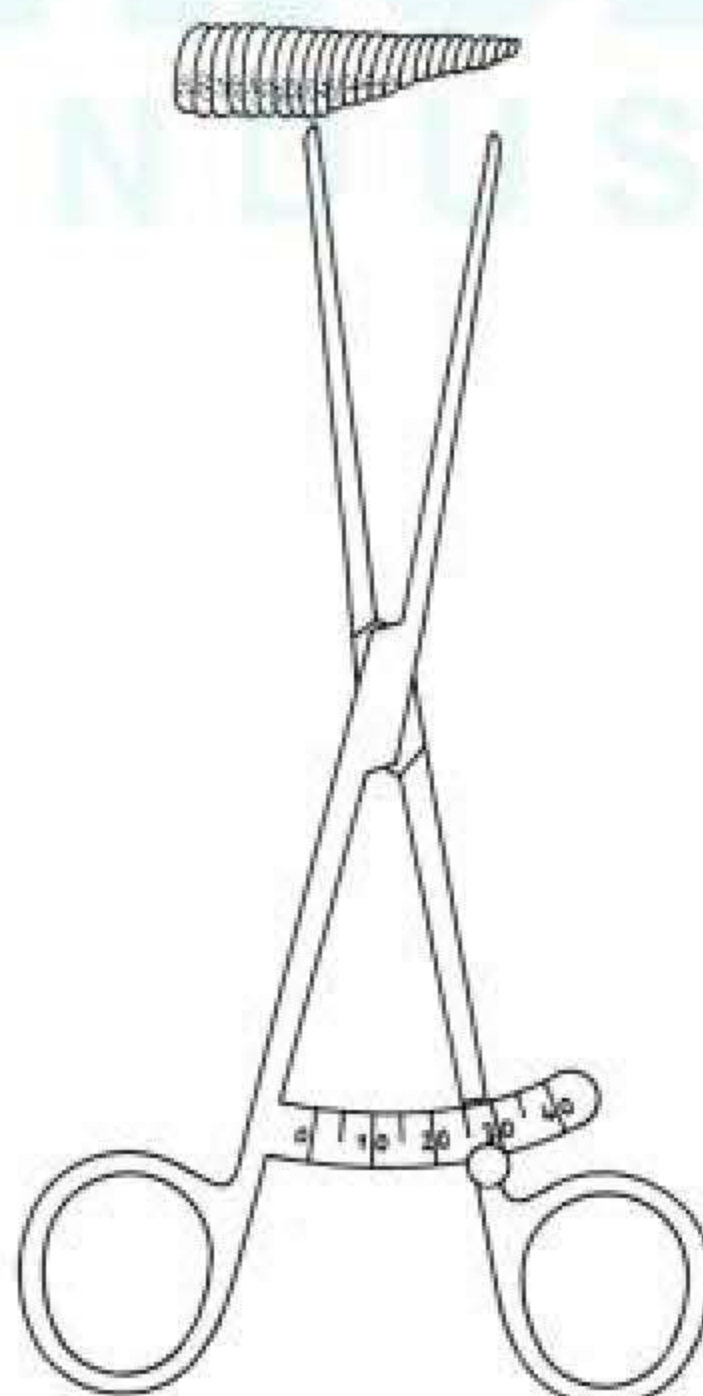


Husfeldt-Peripher
TWS9-231
17 cm

Vascular Measuring Device



Martin
TWS9-232
18 cm



<i>Gefäßklemmen</i>	<i>Pinzas vasculares</i>
<i>Pinces vasculaires</i>	<i>Pinze vascolari</i>

Catheter Clamps



TWS9-233
17 cm
20 Charr.



TWS9-234
17 cm
24 Charr.



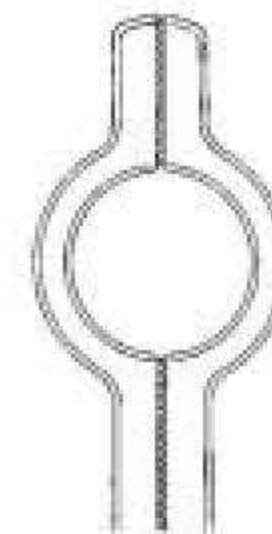
TWS9-235
17 cm
26 Charr.



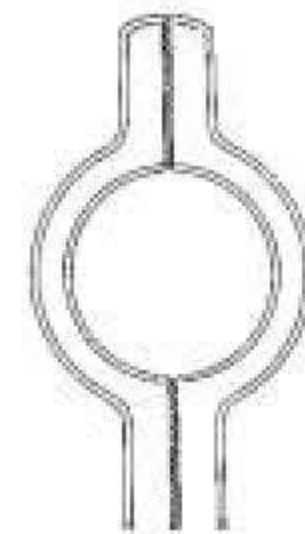
TWS9-236
20 cm
28 Charr.



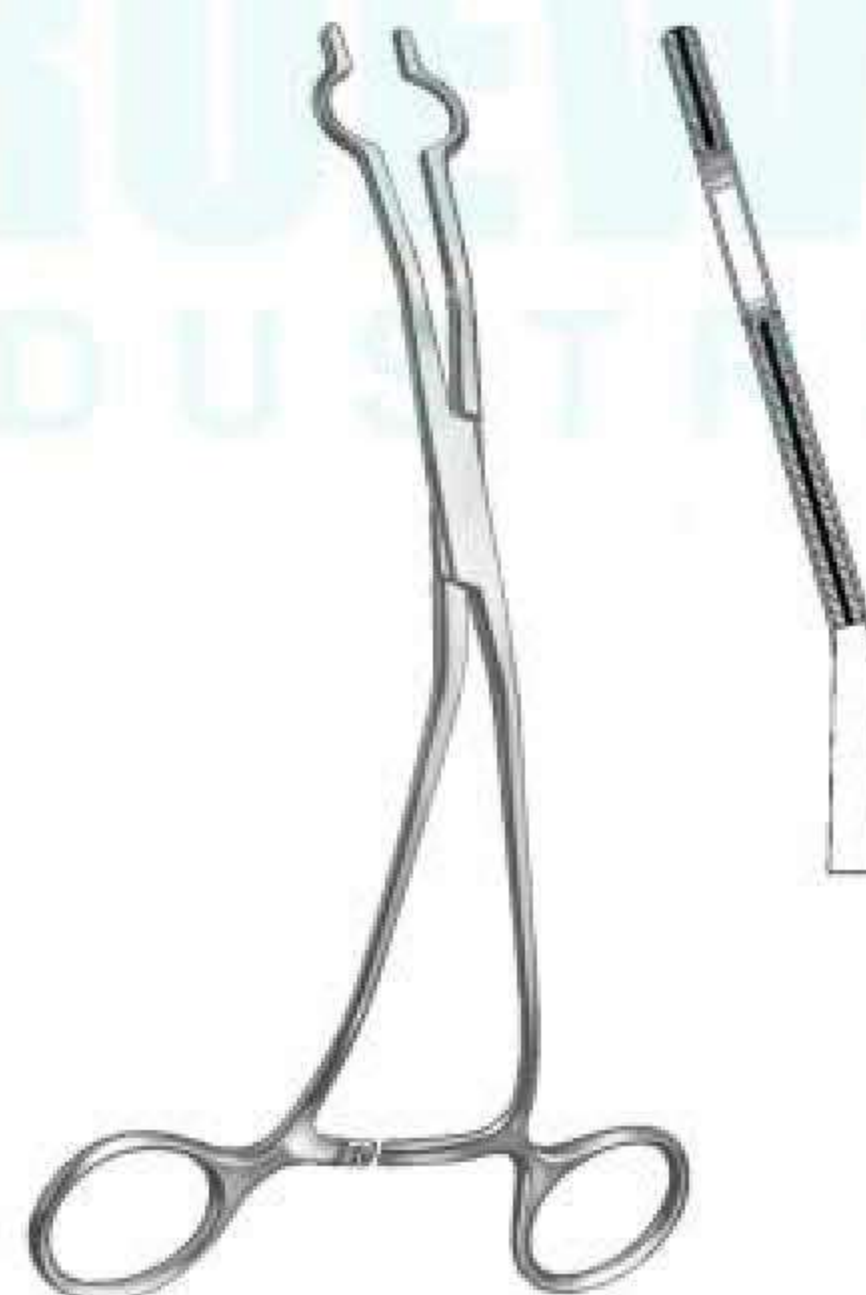
TWS9-237
20 cm
30 Charr.



TWS9-238
20 cm
32 Charr.



TWS9-239
20 cm
36 Charr.



Cooley



TWS9-240
21 cm
30 mm



TWS9-241
22.5 cm
55 mm



TWS9-242
20.5 cm
angled
30 mm



TWS9-243
22 cm
angled
55 mm



TWS9-244
20.5 cm
angled
30 mm



TWS9-245
22 cm
angled
55 mm



Anastomosenklemmen, Ligaturklemmen
Pinzas para anastomosis, Pinzas para ligaduras

Pinces-clamps à anastomose, Pinces à ligatures
Morsetti per anastomosi, pinze per legature



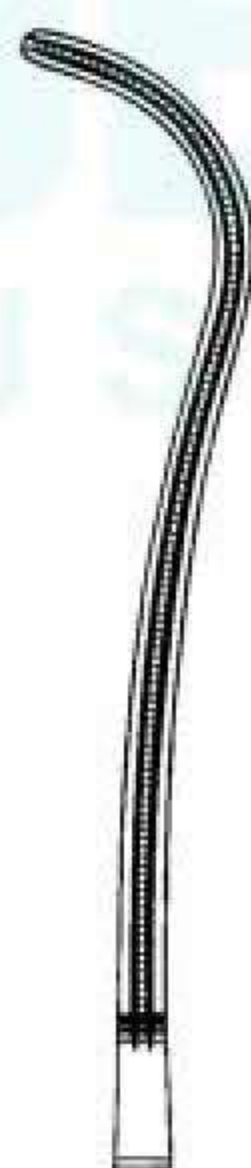
Potts
TWS9-246
21.5 cm
55 mm



Potts
TWS9-247
22 cm
55 mm



De Bakey



TWS9-248
19 cm



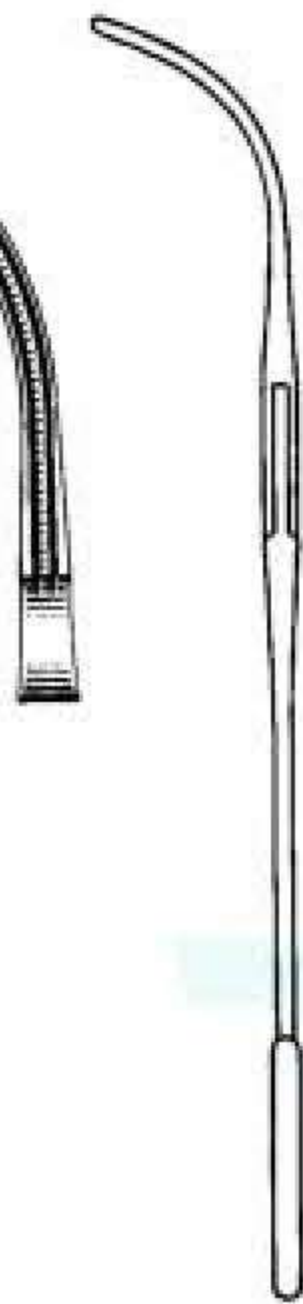
TWS9-249
24 cm

Peripheral-Gefäßklemmen
Pinzas para vasos periféricos

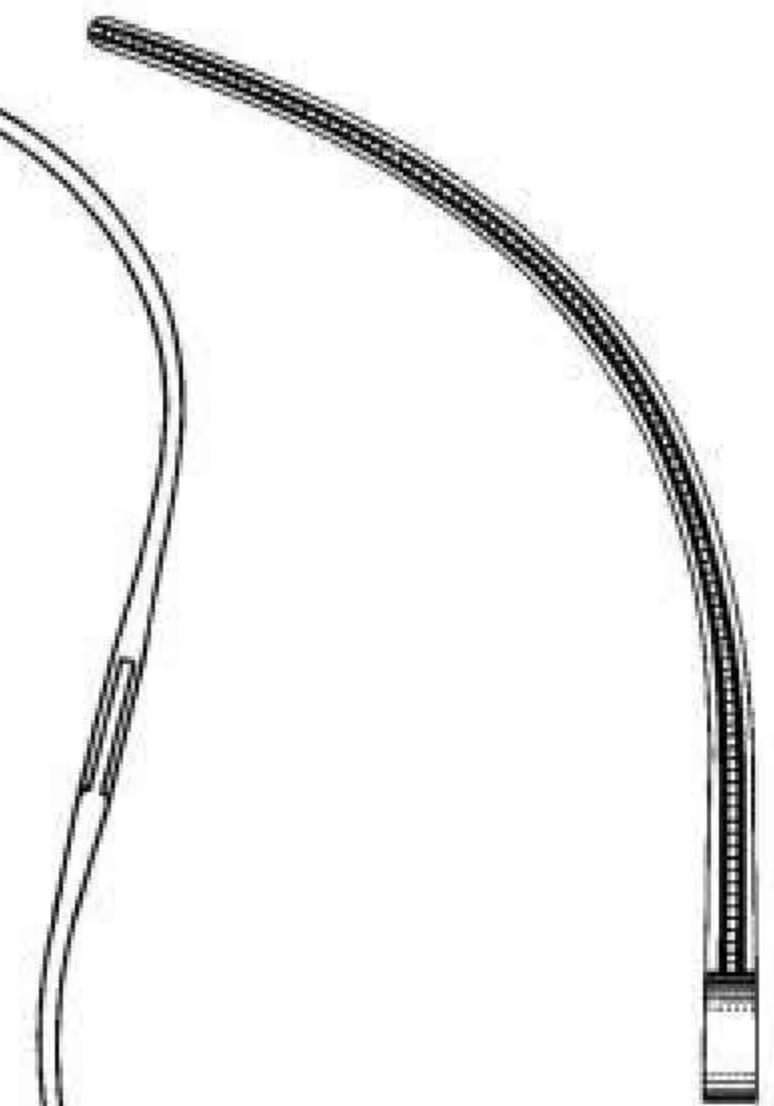
Pinces-clamps vasculaires périphériques
Morsetti vascolari periferici



De Bakey
TWS9-250
16 cm



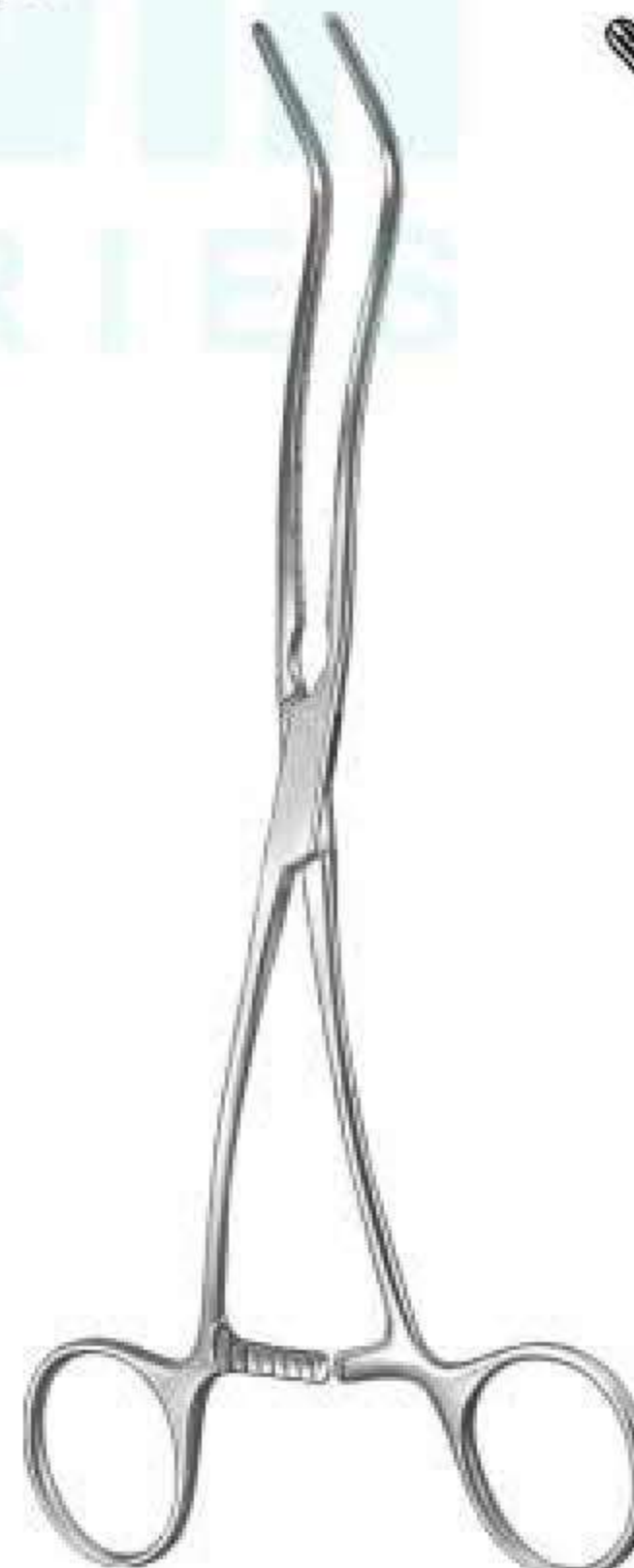
De Bakey
TWS9-251
19 cm



Multi purpose Vascular Clamps



De Bakey
TWS9-252
20 cm



De Bakey
TWS9-253
angled, 20 cm



Peripheral-Gefäßklemmen
Pinzas para vasos periféricos

Pinces-clamps vasculaires périphériques
Morsetti vascolari periferici



Leland-Jones

TWS9-254
18 cm

TWS9-255
19 cm

TWS9-256
20 cm

MULTI PURPOSE VASCULAR CLAMPS



Bainbridge

TWS9-257
15 cm

TWS9-258
18.5 cm



Bainbridge

TWS9-259
15 cm

TWS9-260
18.5 cm

Aorta-Aneurysmaklemmen
Pinzas para aneurisma de aórtica

Pinces-clamps pour anévrisme de l'aorte
Morsetti di aneurisma aortico



Aorta-Aneurysmaklemmen
Pinzas para aneurisma de aórtica

Pinces-clamps pour anévrisme de l'aorte
Morsetti di aneurisma aortico



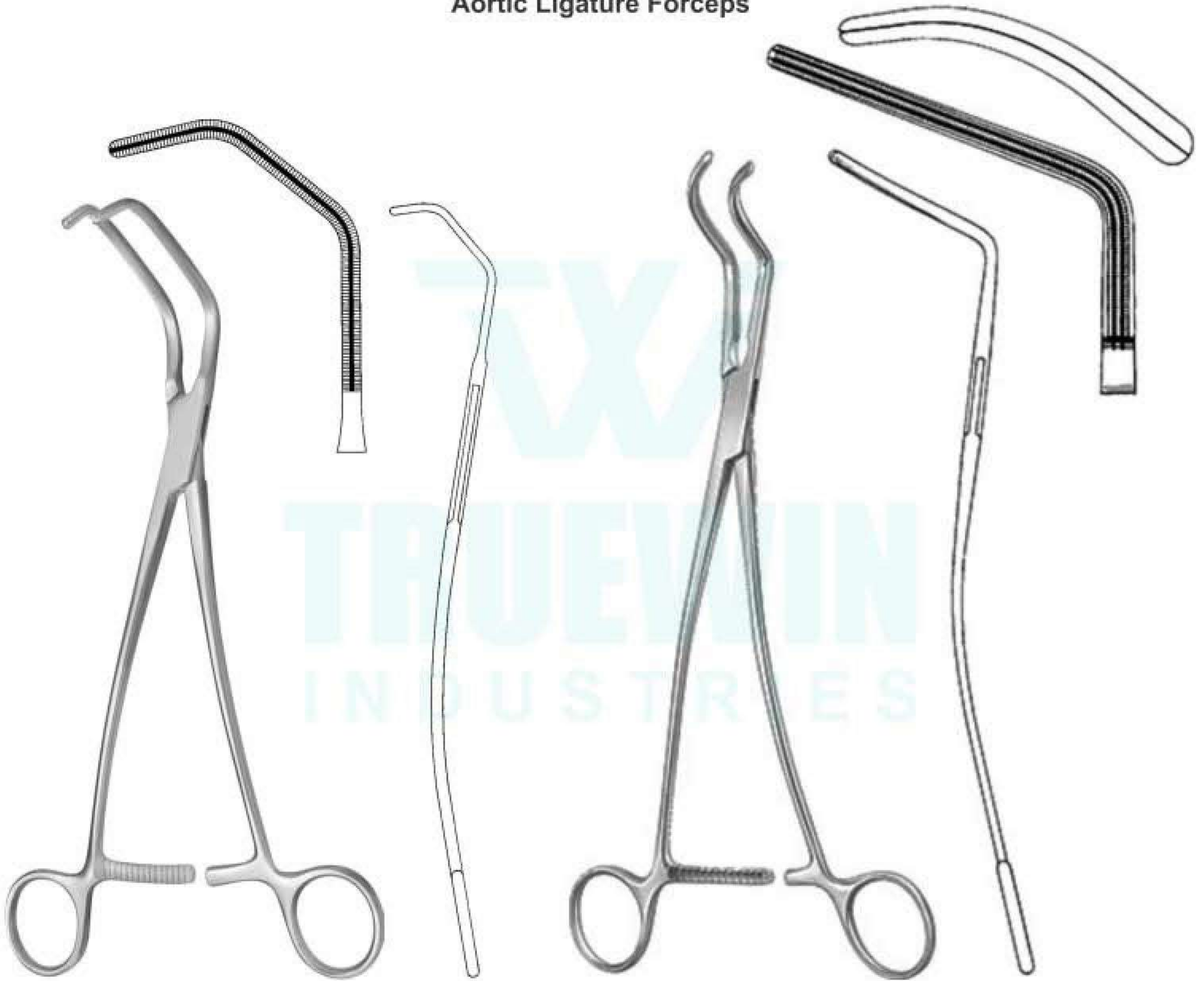
De Bakey
TWS9-265
28 cm

De Bakey
s-shape
TWS9-266
30 cm

Aortaklemmen, Ligaturklemmen
Pinzas aórticas, Pinzas para ligaduras

Pince-clamps pour aorte, Pincas à ligatures
Pinze aortiche, pinze per legature

Aortic Ligature Forceps



Cooley
TWS9-267
25 cm

De Bakey
TWS9-268
27 cm

Ligaturklemmen, Aortaklemmen	Pinces à ligatures, Pinces-Clamps pour aorte
Pinzas para ligaduras, Pinzas aórticas	Pinze per legature, morsetti aortici



De Bakey
s-shape
TWS9-269
24.5 cm

De Bakey
s-shape
TWS9-270
24.5 cm

Ligature Forceps

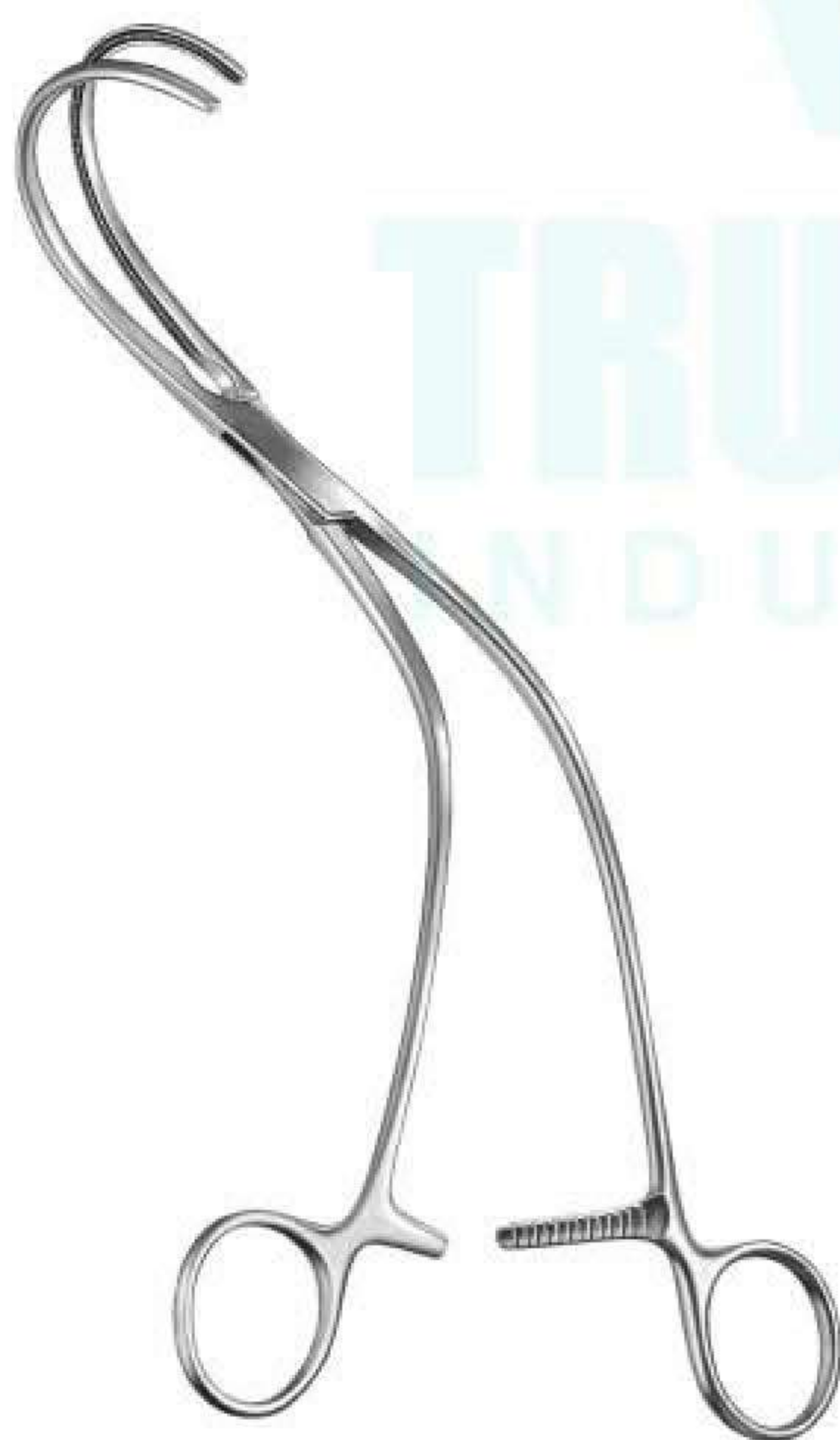


De Bakey
s-shape
TWS9-271
27 cm

De Bakey
s-shape
TWS9-272
27 cm

Aortaklemmen
Pinzas aórticas

Pinces-clamps pour aorte
Morsetti aortici



Weber
TWS9-273
left
24 cm



Weber
TWS9-274
right
24 cm

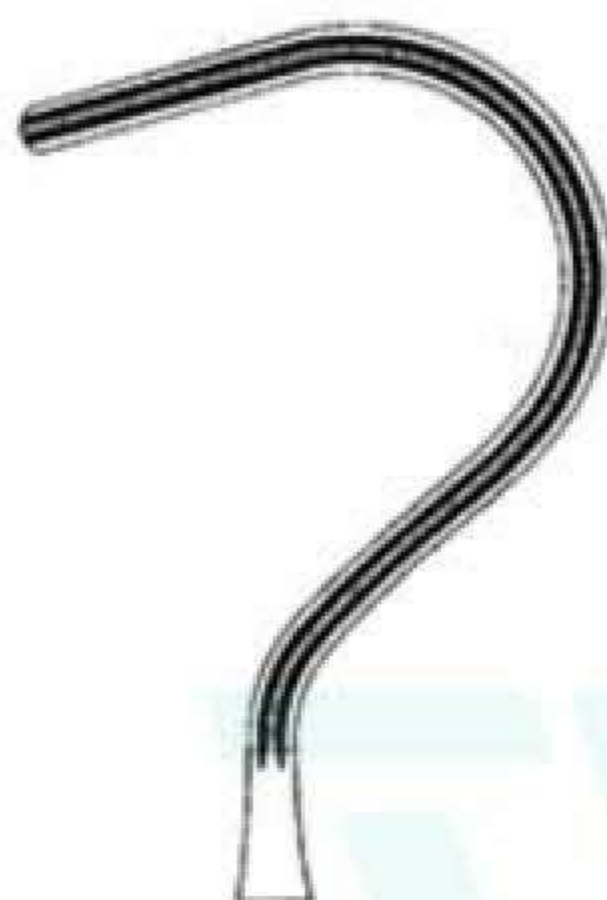
Aorta-Aneurysmaklemmen
Pinzas para aneurisma de aórtica

Pinces-clamps pour anévrisme de l'aorte
Morsetti di aneurisma aortico

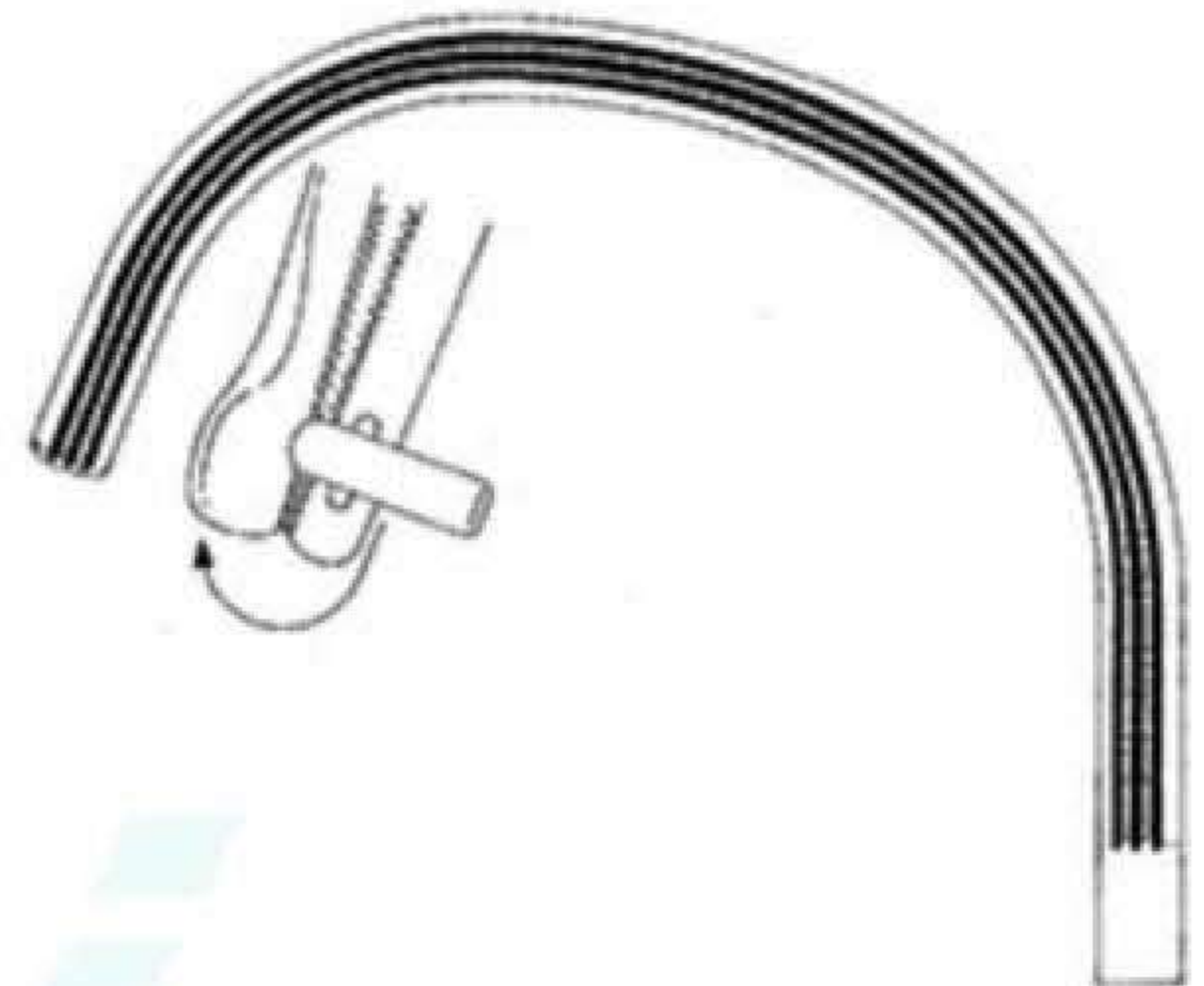
Forceps For Vena Cava



TWS9-275
22.5 cm



TWS9-276
23 cm



Wylie

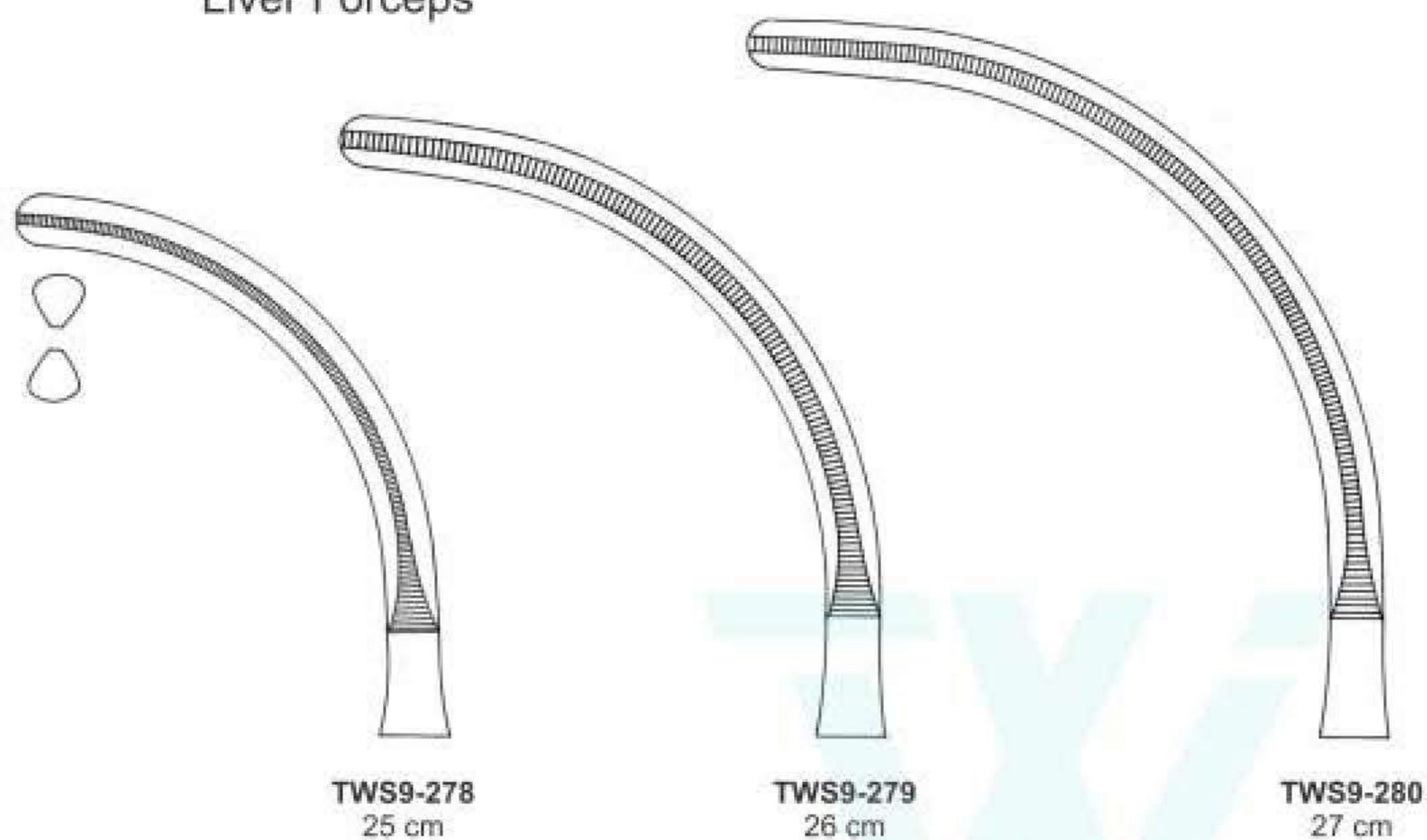


Calne
TWS9-277
27 cm

Aortaklemmen
Pinzas aórticas

Pinces-clamps pour aorte
Morsetti aortici

Liver Forceps



Pittsburgh



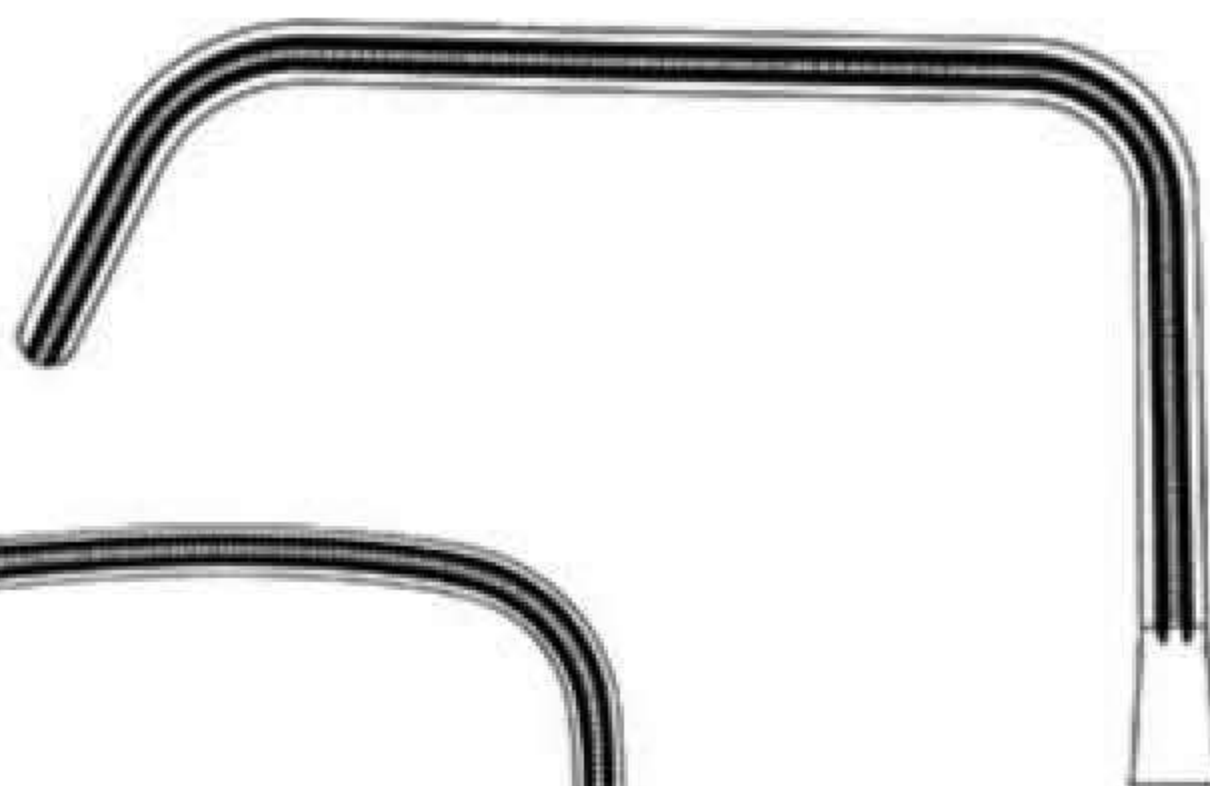
De Bakey
TWS9-281
30 cm

Nieren Pedicle Clamp Pinzette

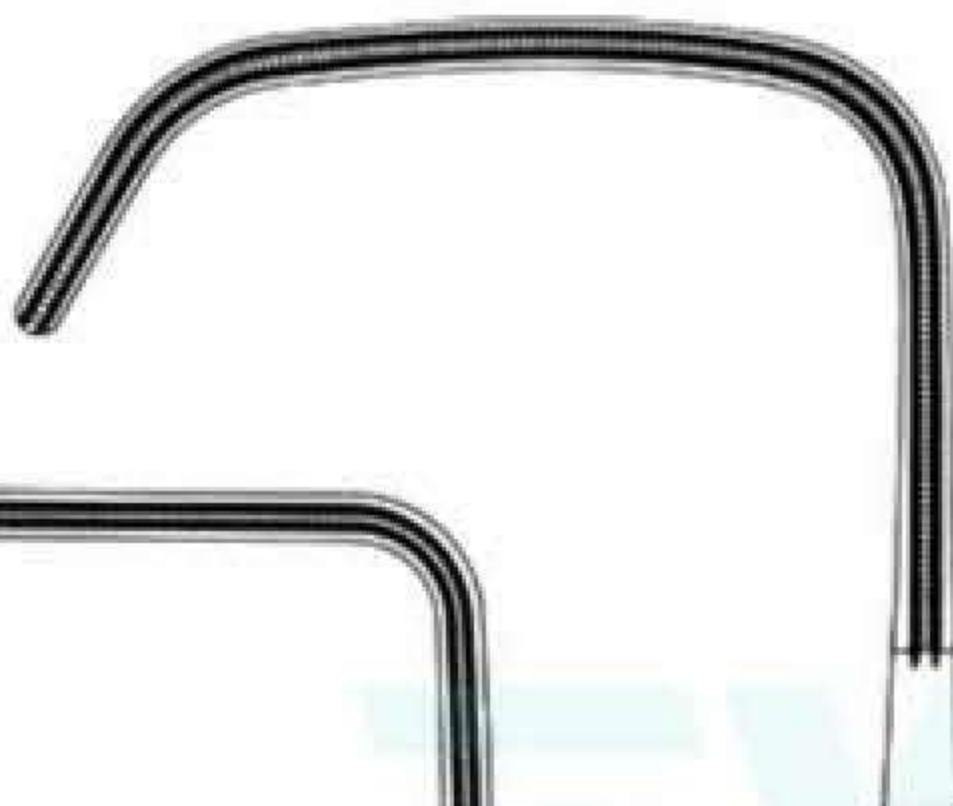
Pinzas-clamps para pedúnculos renales

Pinces-clamps pour pédicules rénaux

Pinze per morsetto per reni



TWS9-284
60 mm
20 cm



TWS9-283
50 mm
20 cm



Kidney and Pancreas



Satinsky
TWS9-285
15.5 cm



Tangential-Verschlußklemmen	Pinces vasculaires pour occlusion tangentielle
Pinzas tangentes de oclusión	Morsetti di occlusione tangenziale



TWS9-286
22 cm



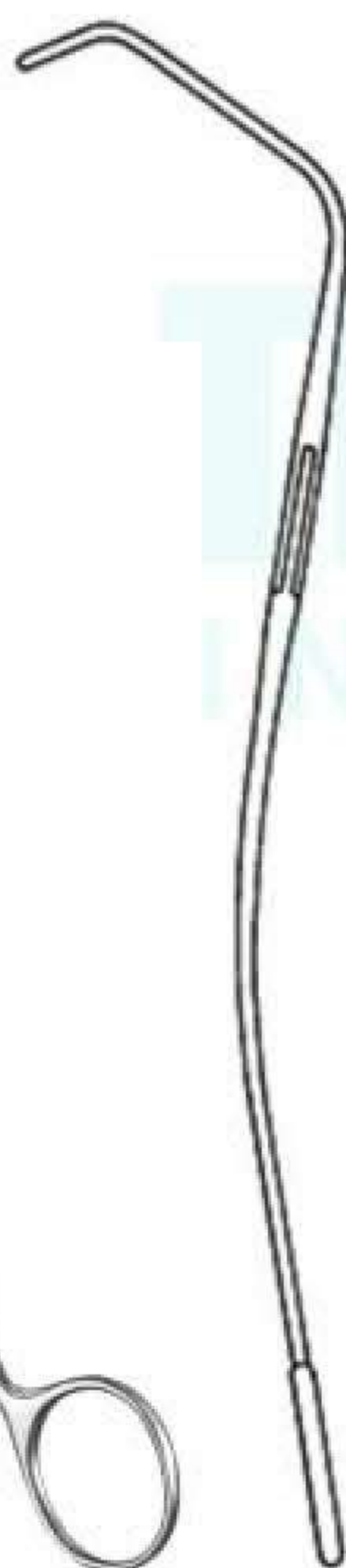
TWS9-287
26 cm



TWS9-288
26.5 cm



Satinsky



TWS9-289
27.5 cm



TWS9-290
28.5 cm



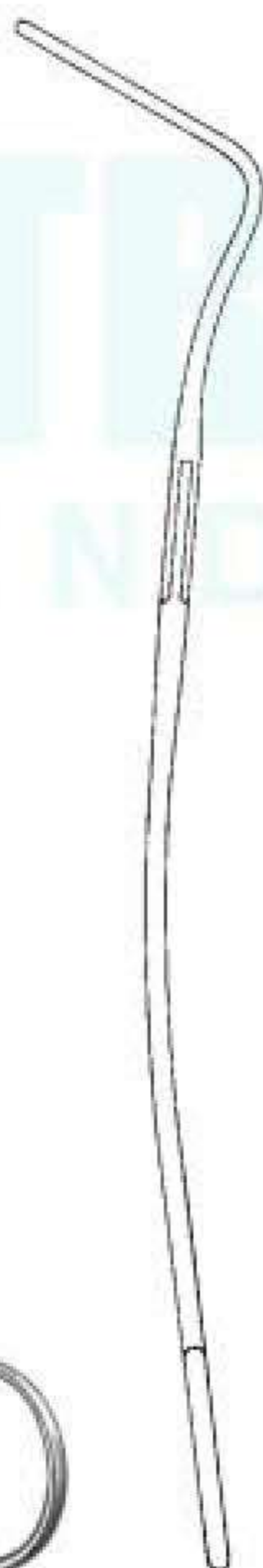
TWS9-291
24.5 cm



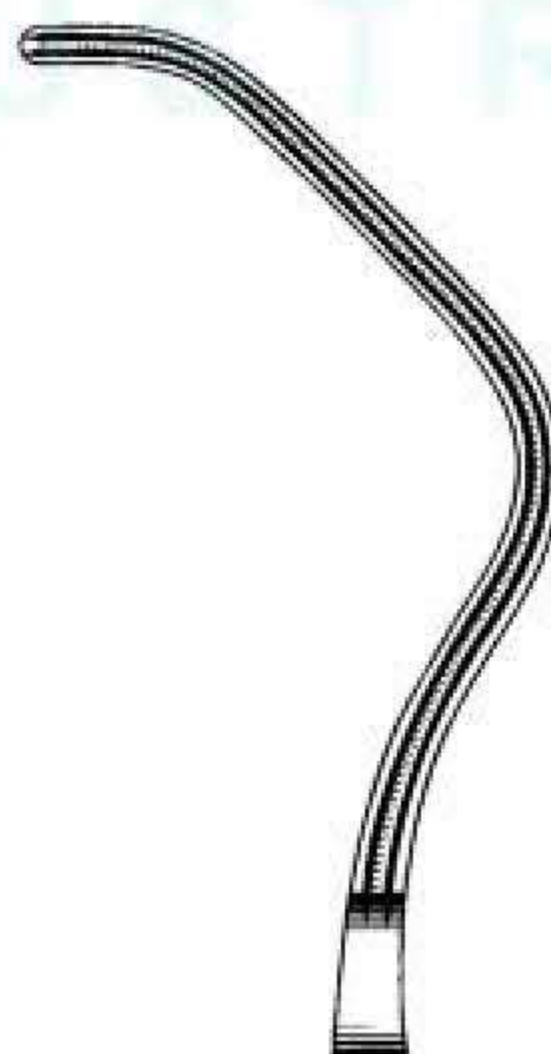
TWS9-292
24 cm



Harken



TWS9-293
23 cm



TWS9-294
23.5 cm



<i>Gefäßklemmen</i>	<i>Pinzas vasculares</i>
<i>Pinces vasculaires</i>	<i>Pinze vascolari</i>

Bronchus Clamps



Aortaklemmen, Anastomosenklemmen
Pinzas aórticas, Pinzas para anastomosis

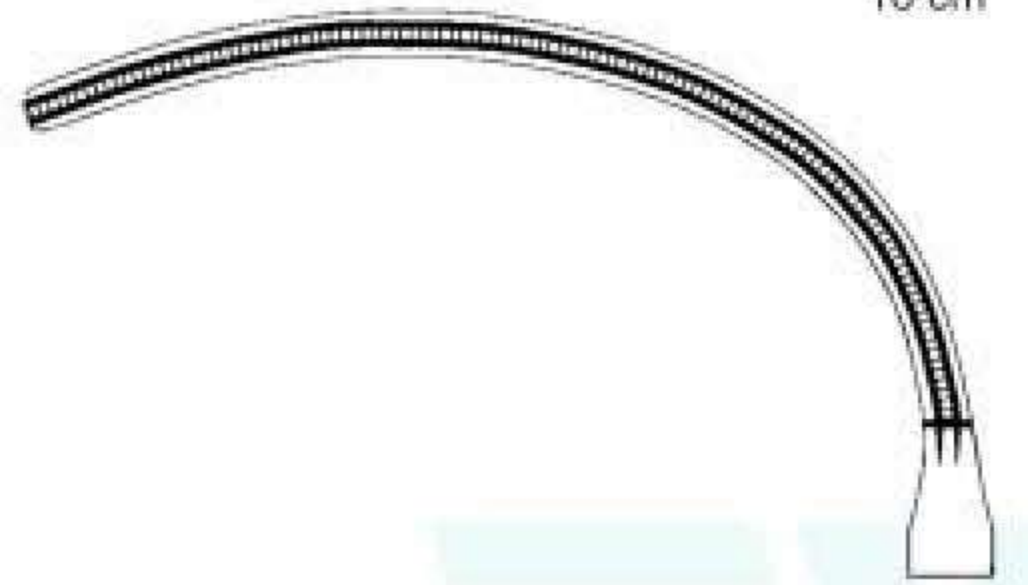
Pinces-clamps pour aorte, Pinces-clamps à anastomose
Pinces aortiques, pinces d'anastomose



Glover



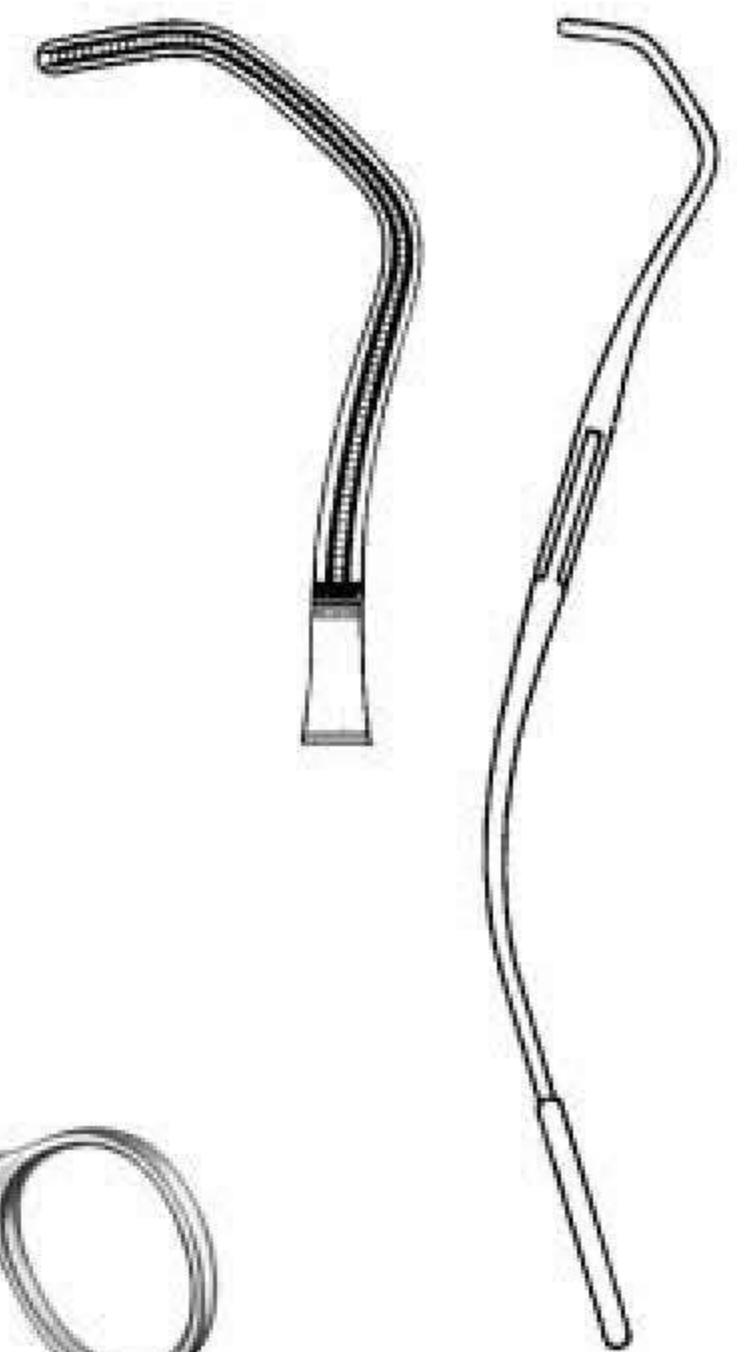
TWS9-298
18 cm



TWS9-299
22 cm



De Bakery
TWS9-300
16.5 cm



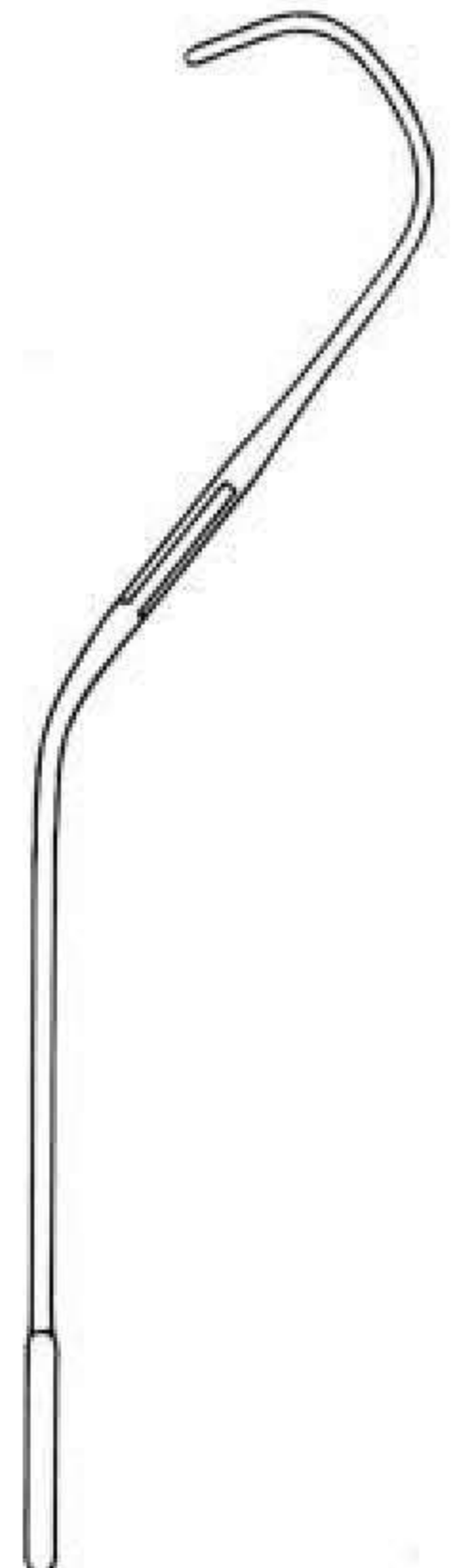
Lambert Kay



TWS9-301
22.5 cm



TWS9-302
20.5 cm

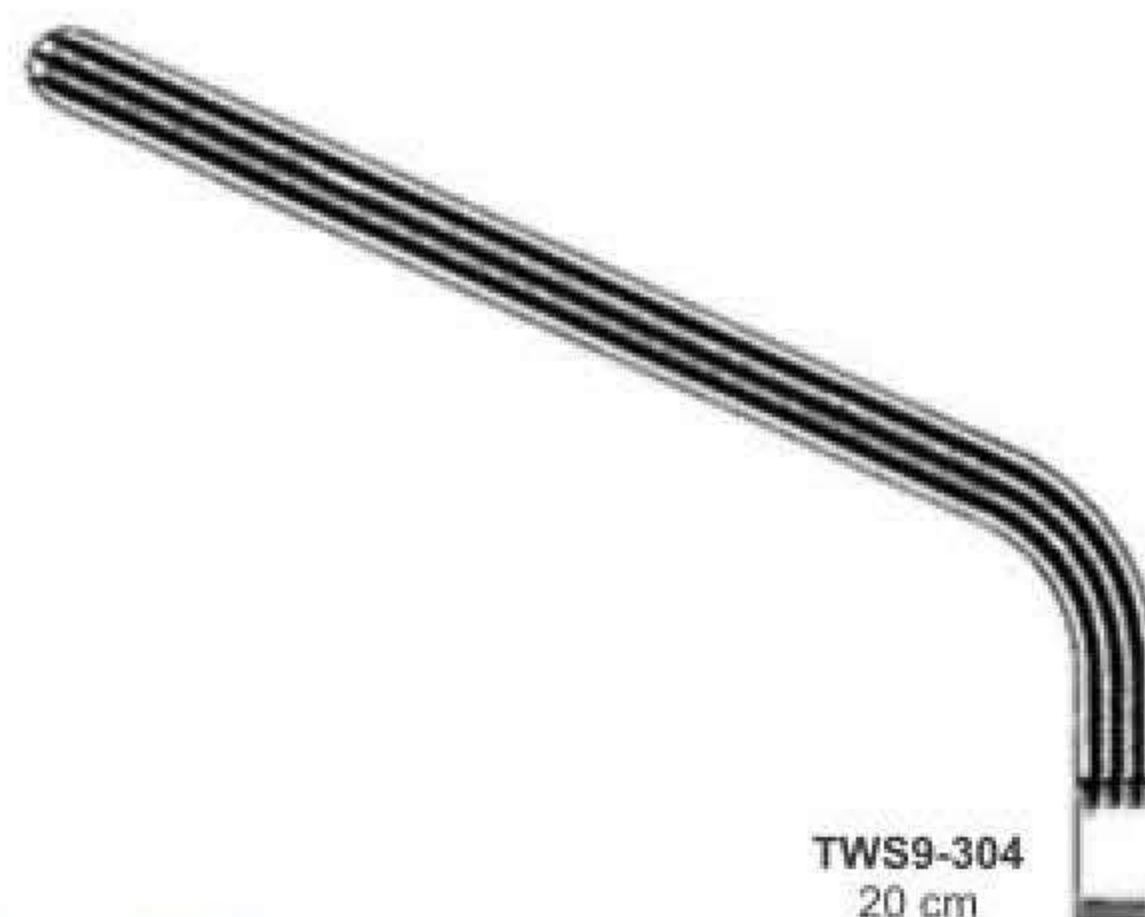


Aortaklemmen
Pinzas aórticas

Pinces-clamps pour aorte
Morsetti aortici



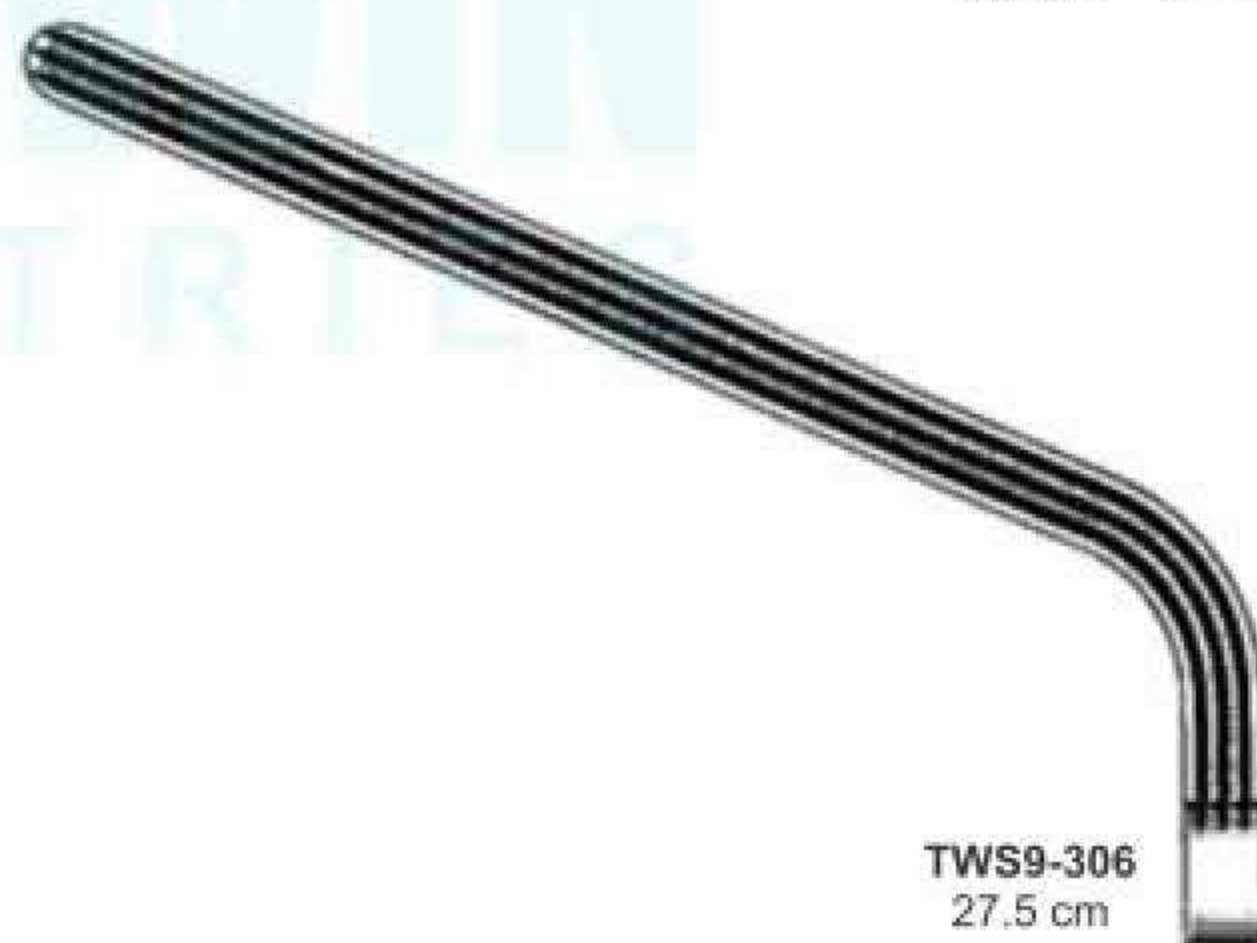
TWS9-303
18.5 cm



TWS9-304
20 cm



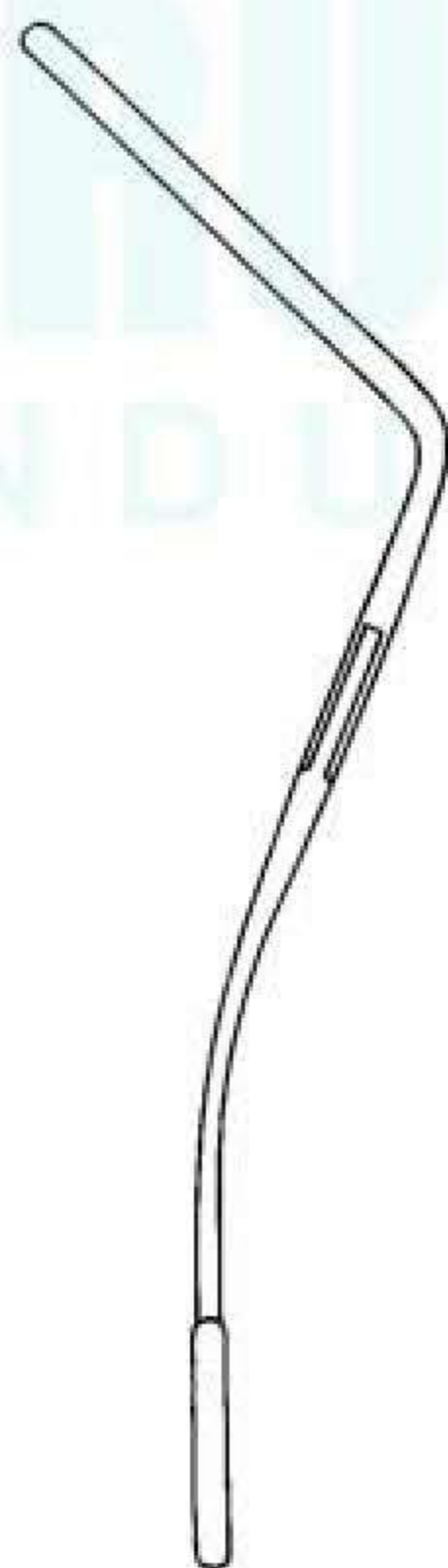
TWS9-305
26 cm



TWS9-306
27.5 cm



Morris-De Bakey



Aorta-Aneurysmaklemmen
Pinzas para aneurisma de aórtica

Pinces-clamps pour anévrisme de l'aorte
Morsetti di aneurisma aortico

Aneurysm Clamps



De-Bakey-Bahnson



TWS9-307
23.5 cm
strongly
curved



TWS9-308
24.5 cm
curved



TWS9-309
25.5 cm
curved

Mehrzweck-Gefäßklemmen

Pinces vasculaires universelles

Pinzas vasculares de usos múltiples

Morsetti vascolari multiuso



Potts
straight



TWS9-310
21.5 cm



TWS9-311
23.5 cm



TWS9-312
27 cm



TWS9-313
31.5 cm



Potts
curved



TWS9-314
21 cm



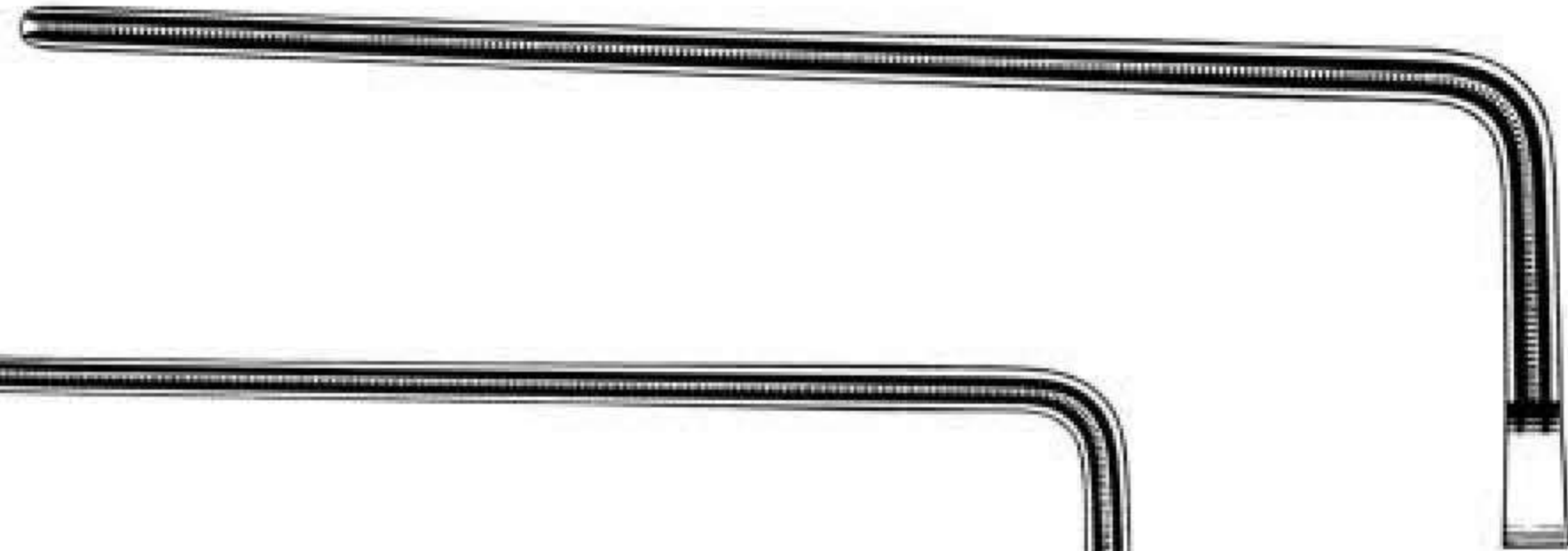
TWS9-315
23 cm



TWS9-316
26 cm



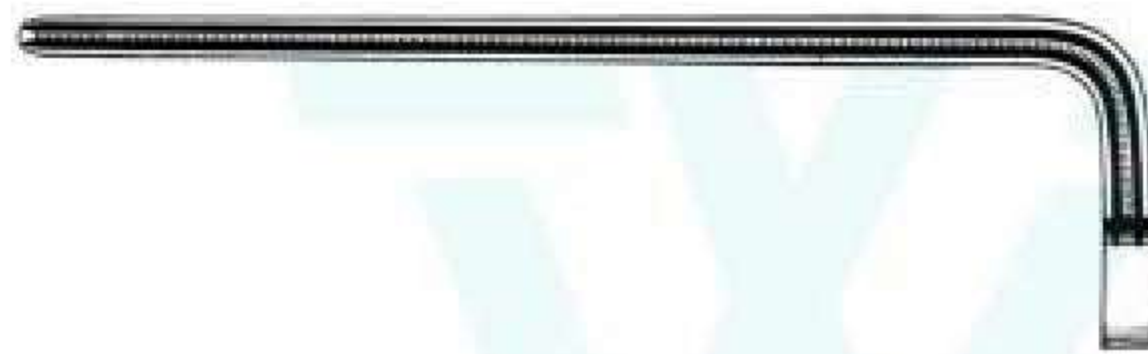
TWS9-317
31 cm



TWS9-321
27.5 cm



TWS9-320
23 cm



TWS9-319
20 cm



TWS9-318
19 cm



De Bakey

Mehrzweck-Gefäßklemmen

Pinces vasculaires universelles

Pinzas vasculares de usos múltiples

Morsetti vascolari multiuso



TWS9-322
21 cm

TWS9-323
22 cm

TWS9-324
26 cm

TWS9-325
31.5 cm



De Bakey

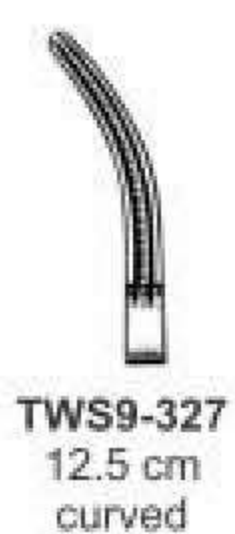




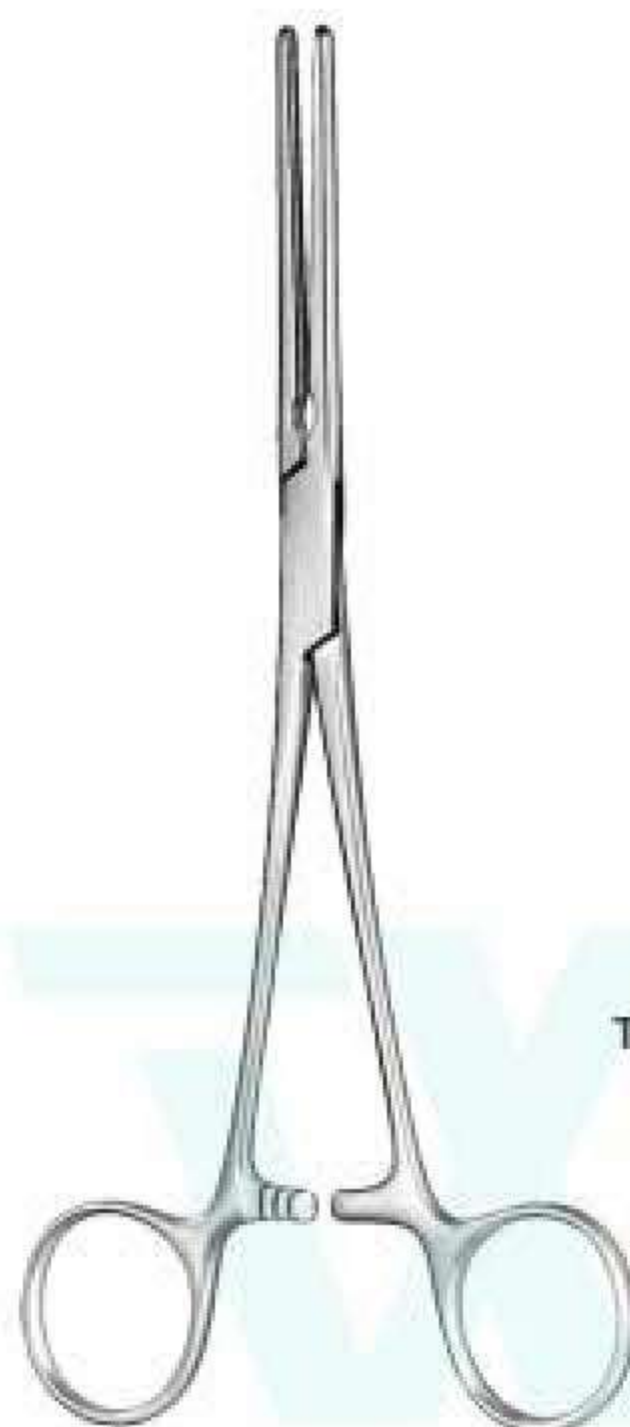
De Bakey-Mosquito



TWS9-326
12.5 cm
straight



TWS9-327
12.5 cm
curved



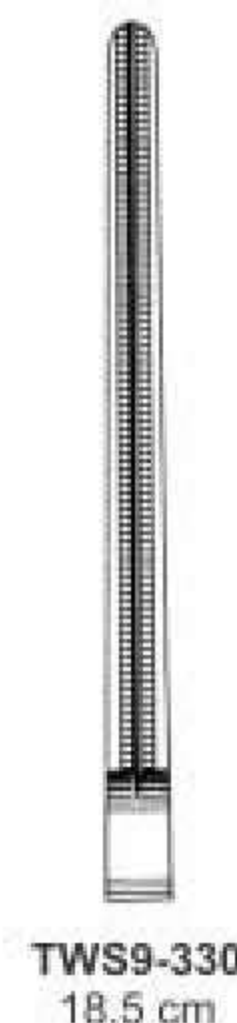
De Bakey-Pean
straight



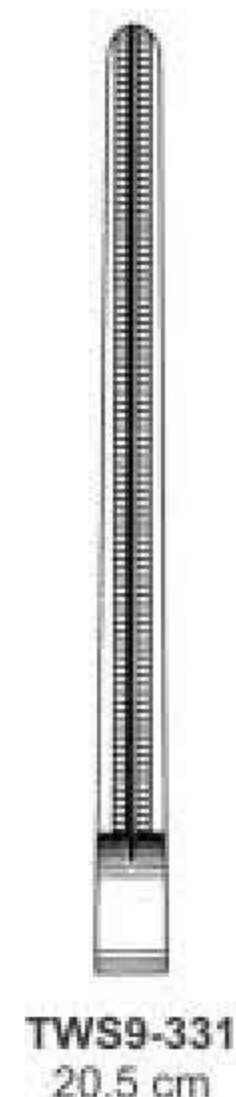
TWS9-328
14.5 cm



TWS9-329
16.5 cm



TWS9-330
18.5 cm



TWS9-331
20.5 cm



De Bakey-Pean
curved



TWS9-332
14.5 cm



TWS9-333
16.5 cm



TWS9-334
18.5 cm



TWS9-335
20 cm

Mehrzweck-Gefäßklemmen

Pinces vasculaires universelles

Pinzas vasculares de usos múltiples

Morsetti vascolari multiuso



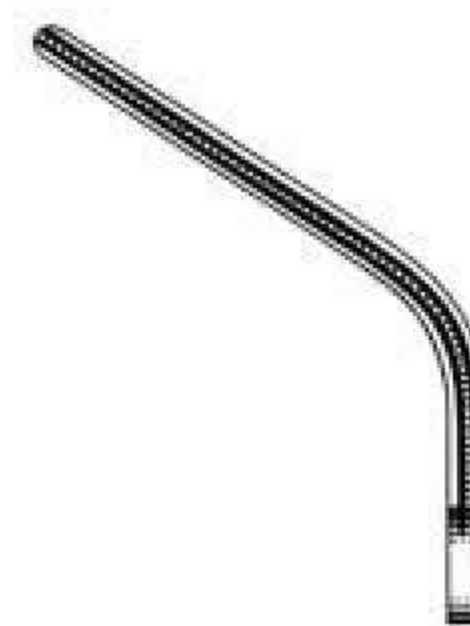
De Bakey
TWS9-336
straight
17.5 cm



De Bakey



TWS9-337
16.5 cm



TWS9-338
16 cm



De Bakey



TWS9-339
strongly
angled
15 cm



De Bakey
TWS9-340
angled
16.5 cm

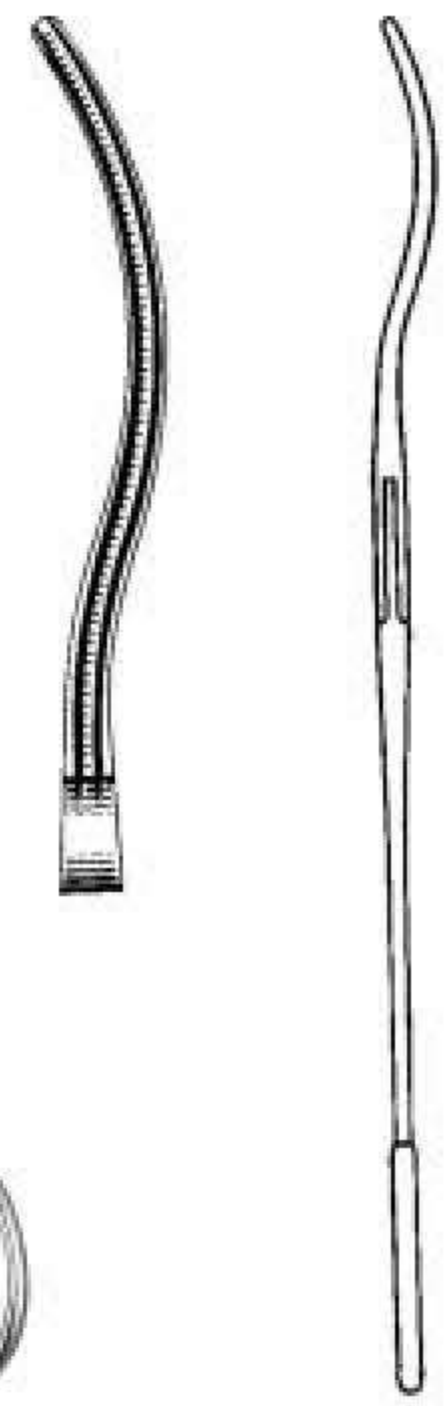




**Glover
TWS9-341**
curved
17 cm



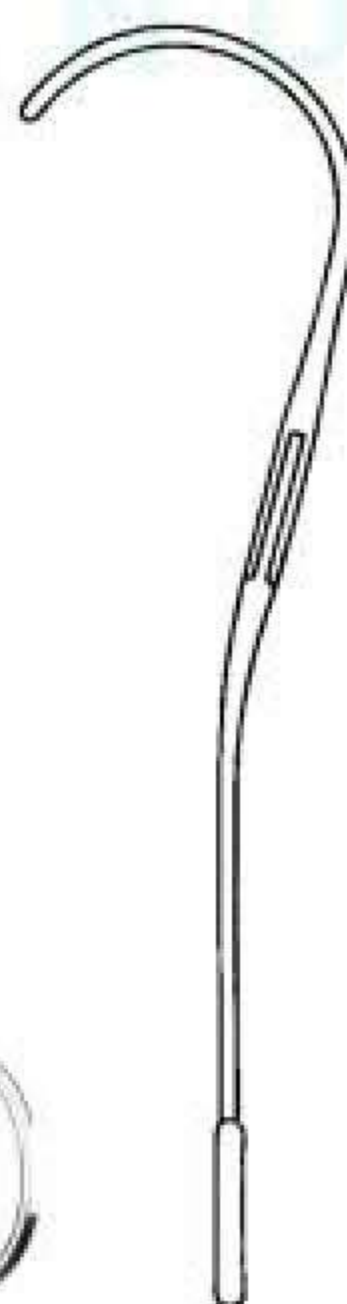
**Glover
TWS9-342**
spoon-shape
17.5 cm



Anastomosis Clamps



De Bakey



TWS9-343
16.5 cm



TWS9-344
16.5 cm

Anastomosenklemmen	Pinces-clamps pour anastomose
Pinzas para anastomosis	Morsetti per anastomosi



Derra



TWS9-345
16.5 cm



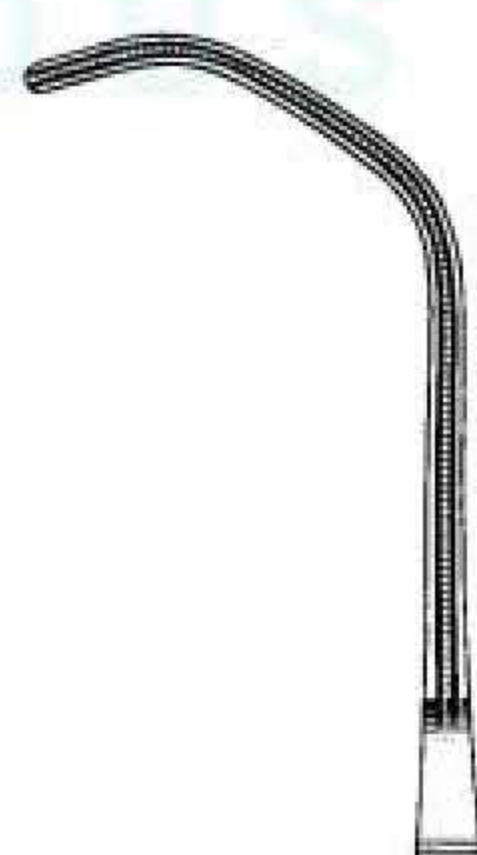
TWS9-346
17 cm



TWS9-347
17.5 cm



De Bakey Beck
TWS9-348
17 cm





De Bakey



TWS9-349
90° angled
10 cm



TWS9-350
curved
13 cm



TWS9-351
straight
13 cm



De Bakey



TWS9-352
s-shape
12.5 cm



TWS9-353
angled
12.5 cm

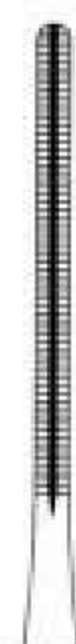


Kinder-Gefäßklemmen
Pinzas vasculares pediátricas

Pinces vasculaires pédiatriques
Morsetti vascolari pediatrici



Cooley



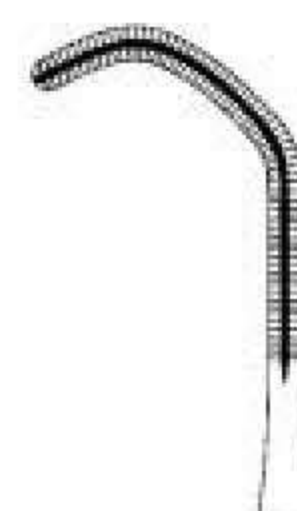
TWS9-354
straight
14.5 cm



TWS9-355
angled
14.5 cm



TWS9-356
angled
14.5 cm



TWS9-357
double curved
14 cm

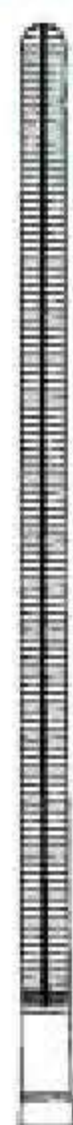


TWS9-358
spoon shape
14.5 cm

Anastomosis Clamps

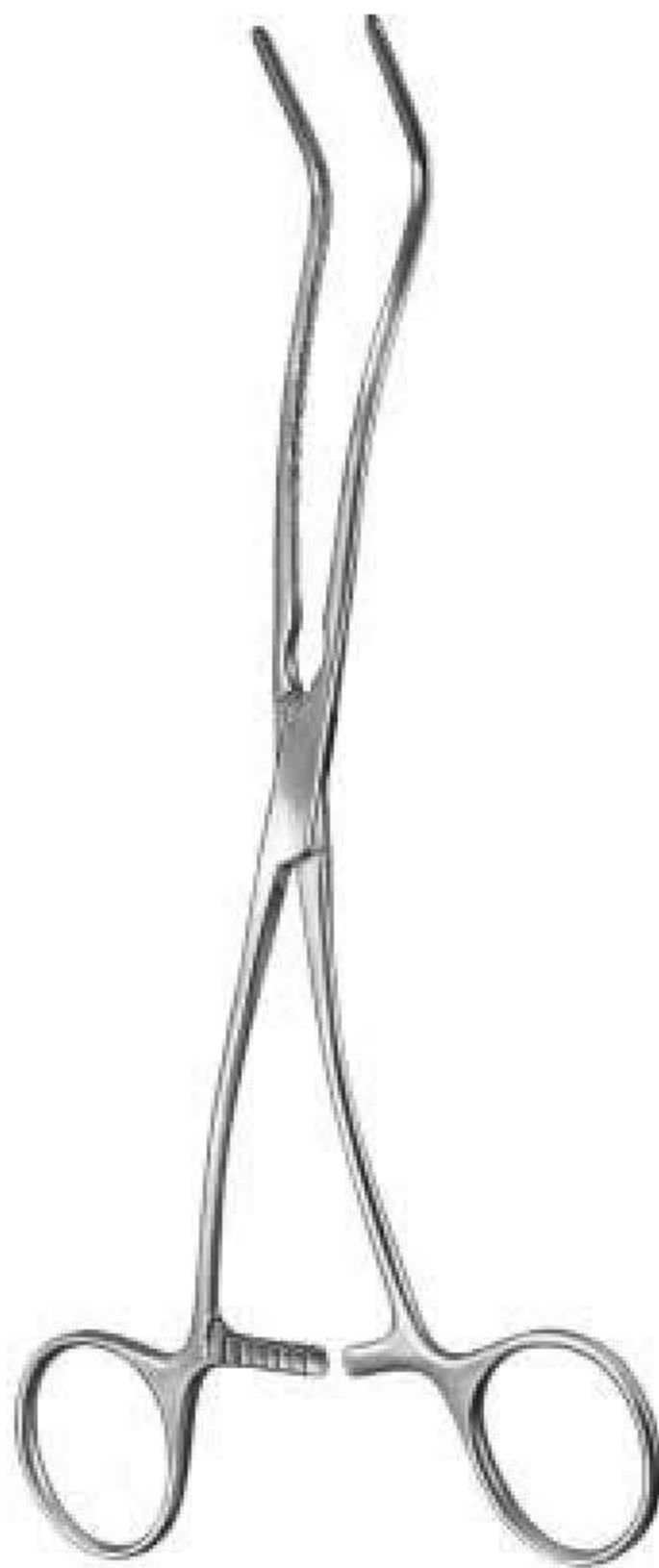


Cooley
TWS9-359
angled
22 cm



Cooley
TWS9-360
straight
17 cm

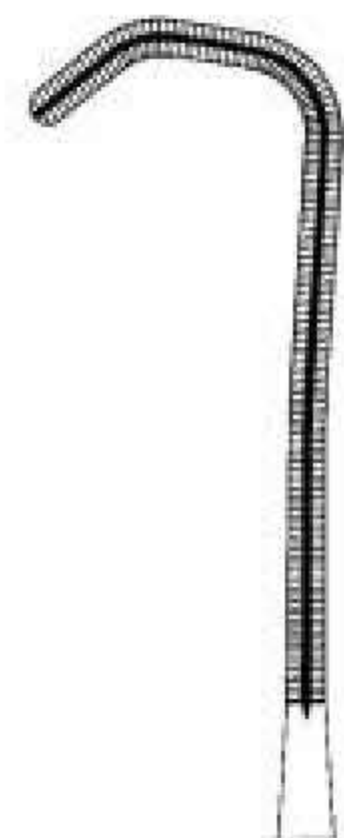




**Cooley
TWS9-361**
angled
20 cm



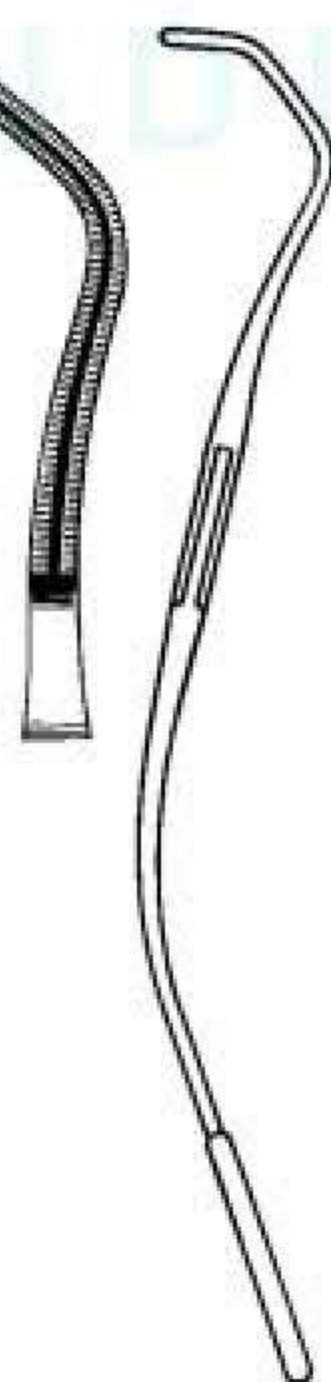
**Cooley
TWS9-362**
curved sideways
17 cm



TWS9-364
straight
angled
14.5 cm



**Cooley
TWS9-363**
double curved
16 cm



TWS9-365
medium
angled
16 cm



Cooley



TWS9-366
slight
angled
16.5 cm

Mehrzweck-Gefäßklemmen

Pinces vasculaires universelles

Pinzas vasculares de usos múltiples

Morsetti vascolari multiuso



**Cooley
TWS9-367**
angled
17 cm



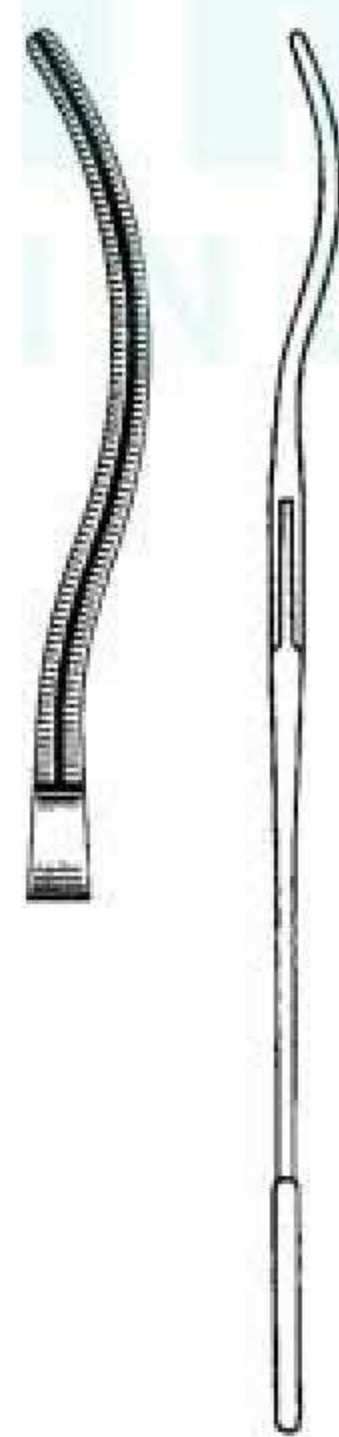
**Cooley
TWS9-368**
curved
17 cm



Anastomosis Clamps



**Cooley
TWS9-369**
spoon-shape
17.5 cm



Cooley



TWS9-370
16.5 cm



TWS9-371
16.5 cm



Cooley-Derra



TWS9-372
16.5 cm



TWS9-373
17 cm



TWS9-374
17.5 cm



Cooley-Beck
TWS9-375
angled
17 cm

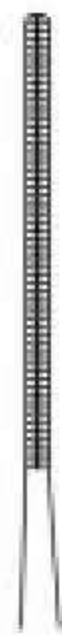


Kinder-Gefäßklemmen

Pinces vasculaires pédiatriques

Pinzas vasculares pediátricas

Morsetti vascolari pediatrici



TWS9-376
16.5cm
jaw length 3.2cm
Straight jaws Fig. 1
angled shanks



TWS9-377
16.5cm
jaw length 3.2cm
Angled 30° Fig. 2
angled shanks



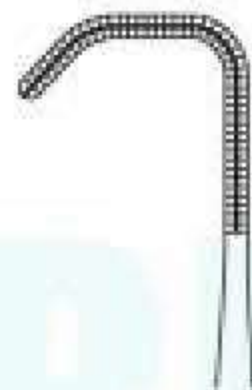
TWS9-378
16.5cm
jaw length 3.2cm
Angled 60° Fig. 3
angled shanks



TWS9-379
16.5cm
jaw length 3.2cm
Angled 90° Fig. 4
angled shanks



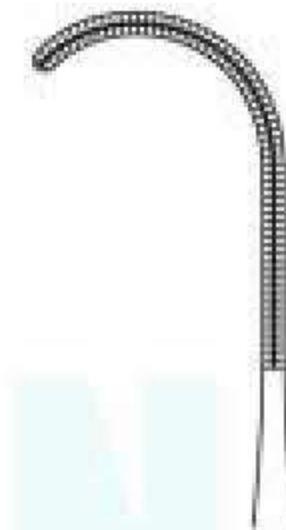
TWS9-380
16.5cm
jaw length 3.2cm
slight curve Fig. 5
angled shanks



TWS9-381
16.5cm jaw length
2.5cm depth
6.8mm angled 90°
Fig. 6
angled shanks



TWS9-382
16.5cm jaw length
3.2cm depth
6.8mm, angled 90°
Fig. 7 angled shanks



TWS9-383
16.5cm
jaw length
3.5cm depth
1.3cm, Fig. 8
angled shanks



TWS9-384
16.5cm
jaw length 2.2cm
depth 10mm
Fig. 9
angled shanks



**Cooley Multipurpose Clamp
& Atraumatic Cardiovascular
Forceps**

Neonatal-u. Kinderklemmen, extra feine modelle
Pinces pour nouveaux-nés et enfants, modèles très fins

Pinzas para recién nacidos y niños, modelos muy finos
Pinze per bambini e neonati, molto fine



Castaneda Multipurpose Clamp & Atraumatic Cardiovascular Forceps

Neonatal Vascular Clamps



TWS9-385
13cm
jaw length
3.5cm
jaw angled 30°



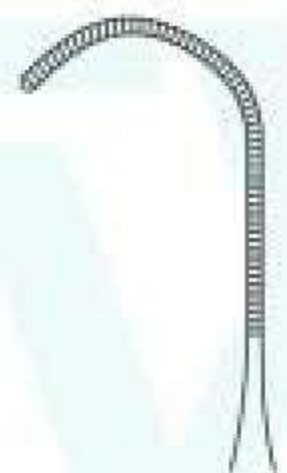
TWS9-386
13cm
jaw length
3.5cm
jaw angled 50°



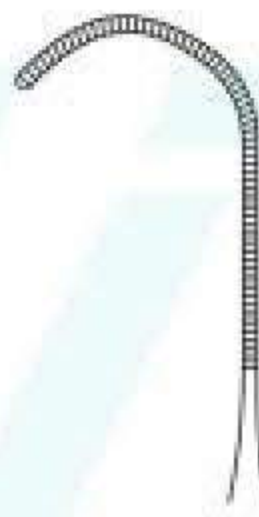
TWS9-387
13cm
jaw length
3.5cm
jaw angled 90°



TWS9-388
13cm
jaw length
3.5cm
straight



TWS9-389
14.5cm
jaw length
1.5cm
depth 5mm



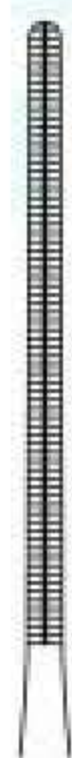
TWS9-390
15.5cm
jaw length
1.8cm
depth 6mm



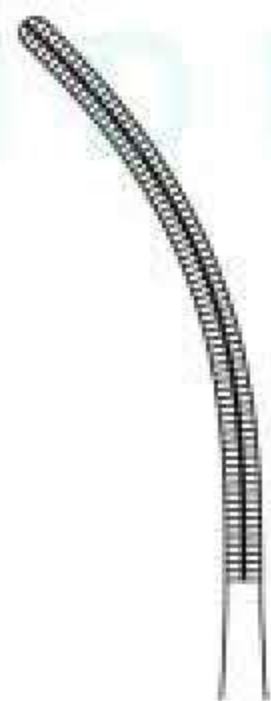
TWS9-391
15.5cm
jaw length
2.1cm
depth 7mm



TWS9-392
13.5cm
jaw length
2.4cm
depth 8mm
spoon-shape



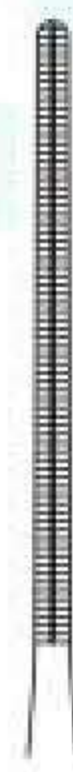
TWS9-393
12 cm
straight



TWS9-394
12 cm
curved



TWS9-395
12 cm
S-curved



TWS9-396
12 cm
sideways angled



TWS9-397
12 cm
45° angled on flat



TWS9-398
12 cm
90° angled on flat



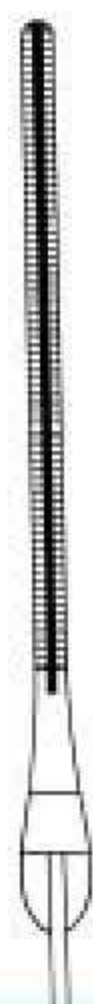
Cooley & Atraumatic Cardiovascular Forceps

Mehrzweckklemmen, pädiatrisch, graduert
Pinces polyvalentes, pédiatriques, graduées

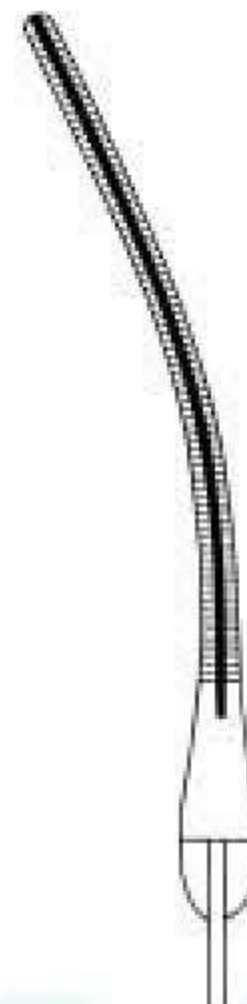
Pinzas de uso vario, pediátricas, graduadas
Pinze multi uso, per bambini, graduati



Cooley Coarctation Clamp



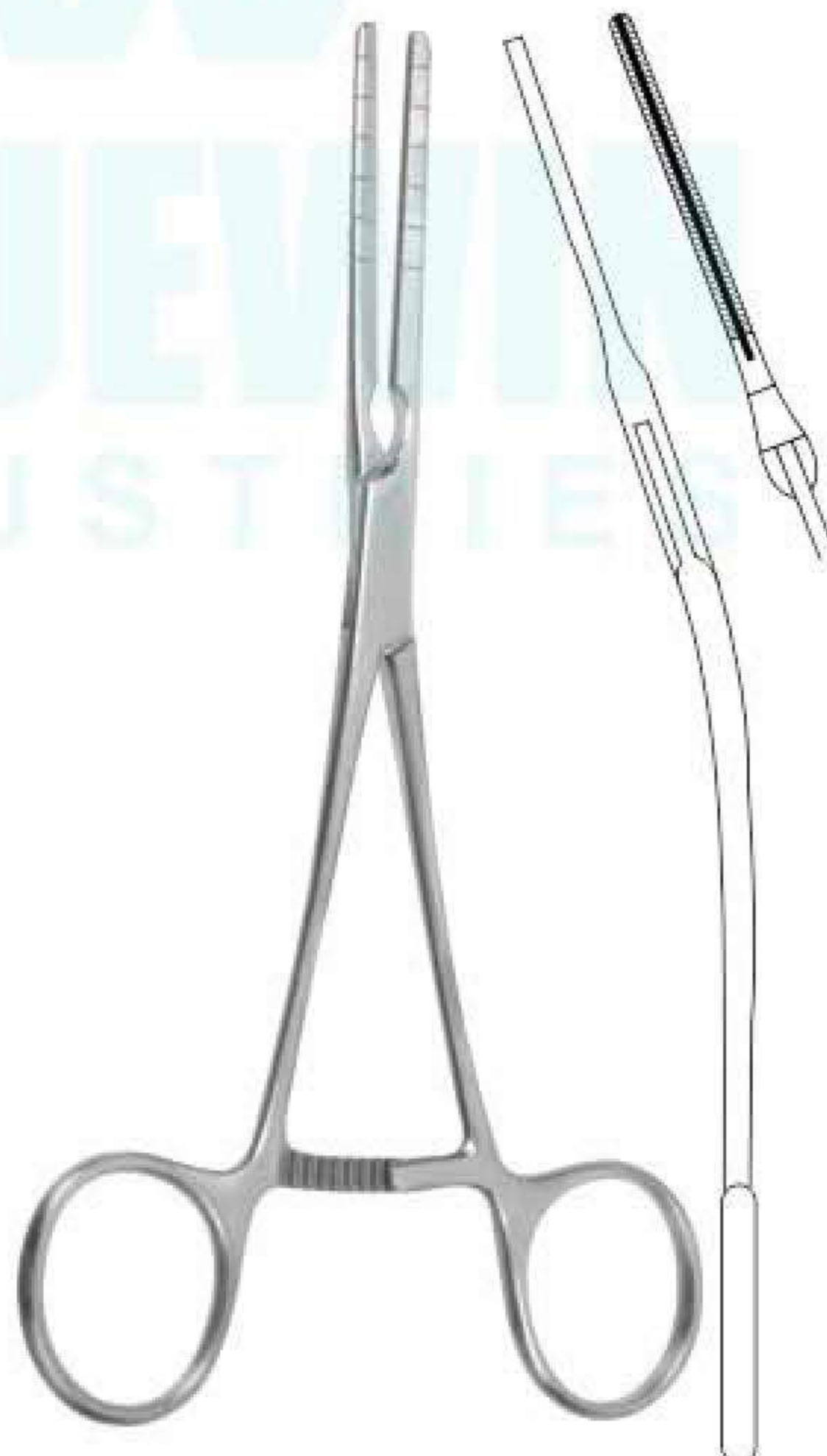
TWS9-399
17 cm
jaw length
3.8cm
straight



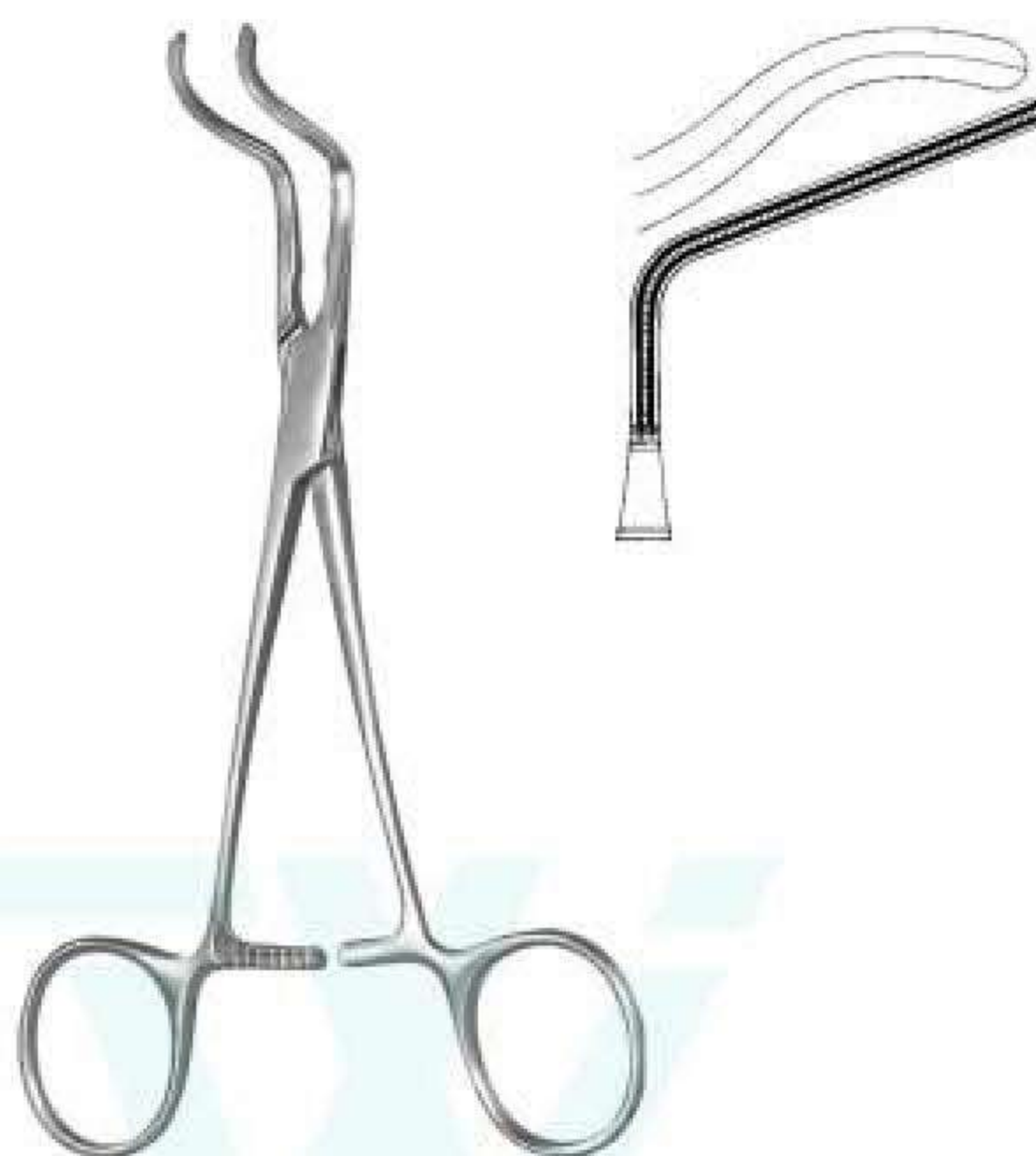
TWS9-400
17 cm
jaw length
3.8cm
curved



TWS9-401
17 cm
jaw length
3.8cm
S curved



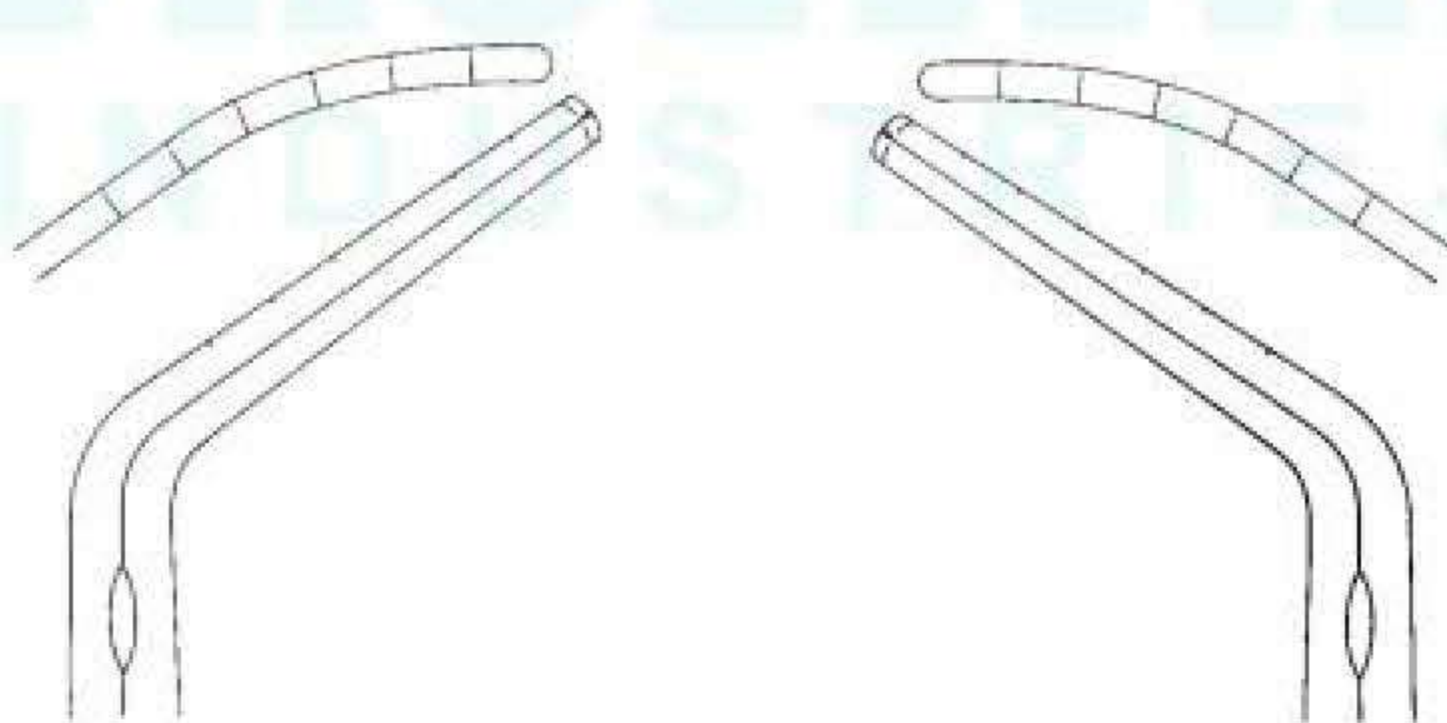
Cooley Coarctation Clamp
TWS9-402 17 cm
jaw length 3.8cm
angled shank



Subramanian-Miniature
TWS9-403
135°, 16 cm



Subramanian
TWS9-404
right, 16 cm

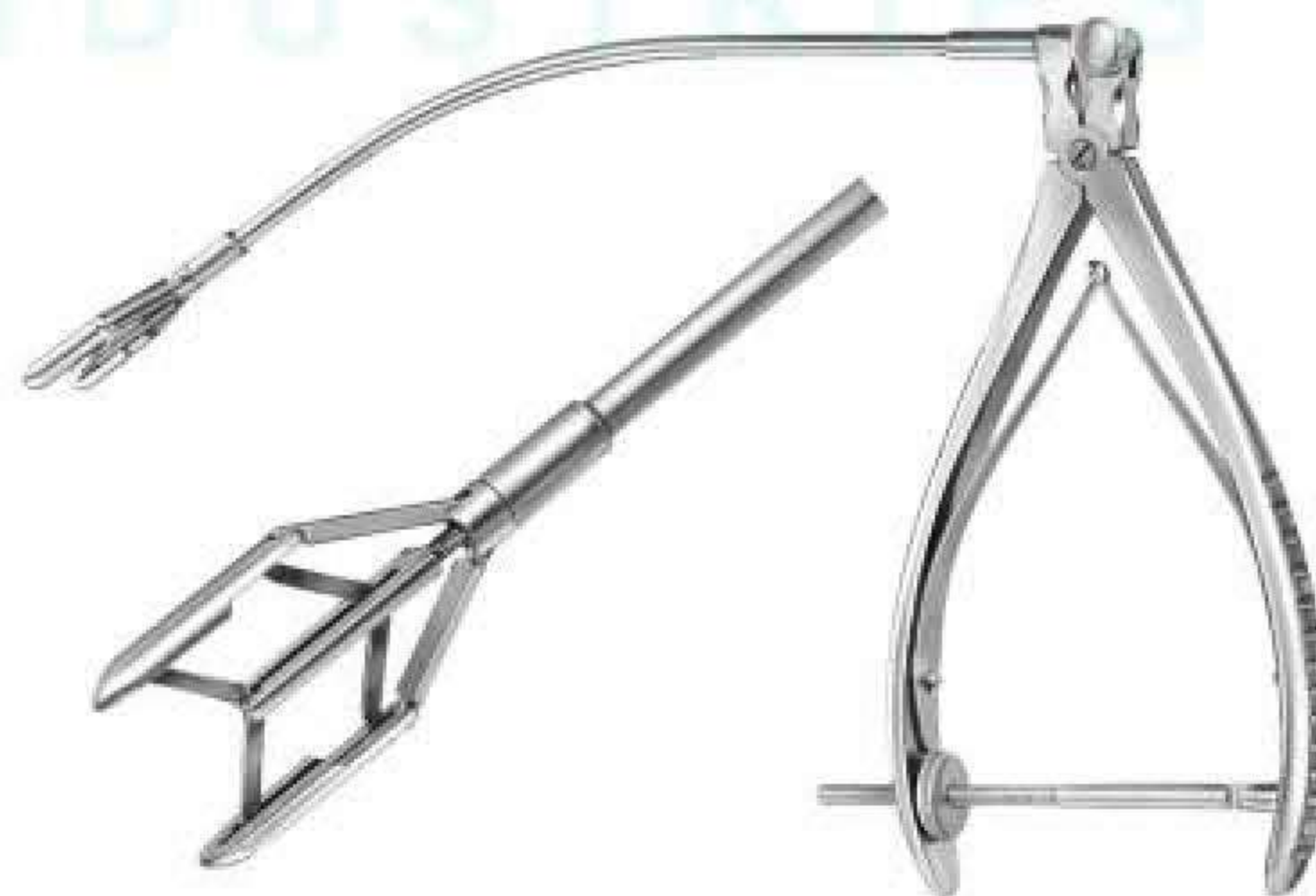


Subramanian
TWS9-405
left, 16 cm

<i>Herzdilatatoren</i>	<i>Dilatateurs aortiques</i>
<i>Dilatadores de aorta</i>	<i>Dilatatori di valvole</i>



Tubbs, Spreading
TWS9-406
8-42 mm



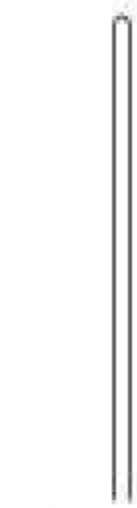
Cooley, Spreading
TWS9-407
5-20 mm



De Bakey Vascular Dilator



0.5 mm Ø
TWS9-408
19 cm
TWS9-409
35 cm
malleable



1.0 mm Ø
TWS9-410
19 cm
TWS9-411
35 cm
malleable



1.5 mm Ø
TWS9-412
19 cm
TWS9-413
35 cm
malleable



2.0 mm Ø
TWS9-414
19 cm
TWS9-415
35 cm
malleable



2.5 mm Ø
TWS9-416
19 cm
TWS9-417
35 cm
malleable



3.0 mm Ø
TWS9-418
19 cm
TWS9-419
35 cm
malleable



3.5 mm Ø
TWS9-420
19 cm
TWS9-421
35 cm
malleable



4.0 mm Ø
TWS9-422
19 cm
TWS9-423
35 cm
malleable



4.5 mm Ø
TWS9-424
19 cm
TWS9-425
35 cm
malleable



5.0 mm Ø
TWS9-426
19 cm
TWS9-427
35 cm
malleable



7.0 mm Ø
TWS9-428
19 cm
TWS9-429
35 cm
malleable



9.0 mm Ø
TWS9-430
19 cm
TWS9-431
35 cm
malleable



0.5 mm Ø
TWS9-432
13 cm
malleable



1.0 mm Ø
TWS9-433
13 cm
malleable



1.5 mm Ø
TWS9-434
13 cm
malleable



2.0 mm Ø
TWS9-435
13 cm
malleable



2.5 mm Ø
TWS9-436
13 cm
malleable



3.0 mm Ø
TWS9-437
13 cm
malleable



4.0 mm Ø
TWS9-438
13 cm
malleable



5.0 mm Ø
TWS9-439
13 cm
malleable



Cooley Vascular Dilator

Fasciotomy knife, Fasciotomy Spatulas



Hach
TWS9-440
30 cm



Hach
30 cm



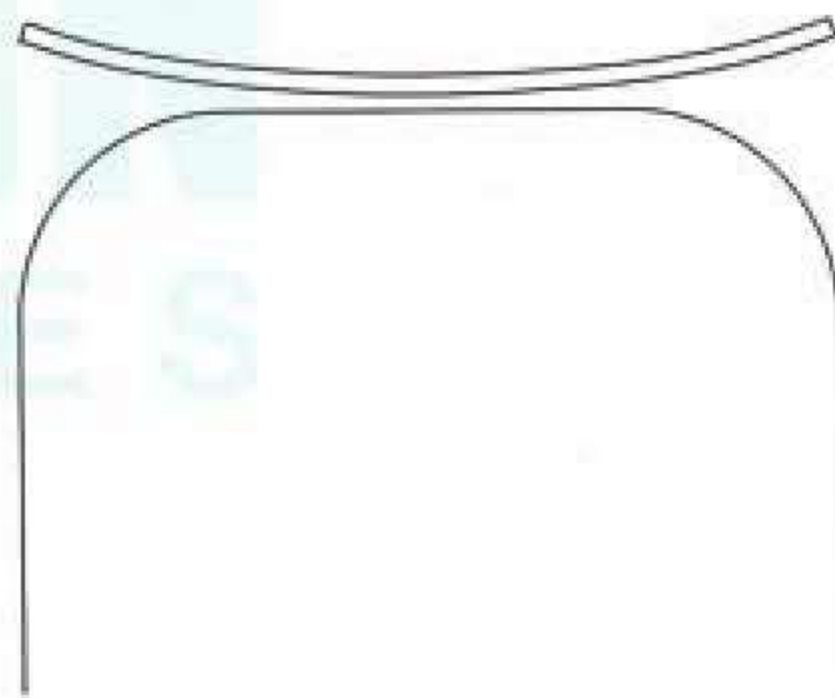
TWS9-441
25 mm



TWS9-442
32 mm



TWS9-443
40 mm



TWS9-444
52 mm

Lungenspatel

Espatulas pulmonares

Valves à poumon

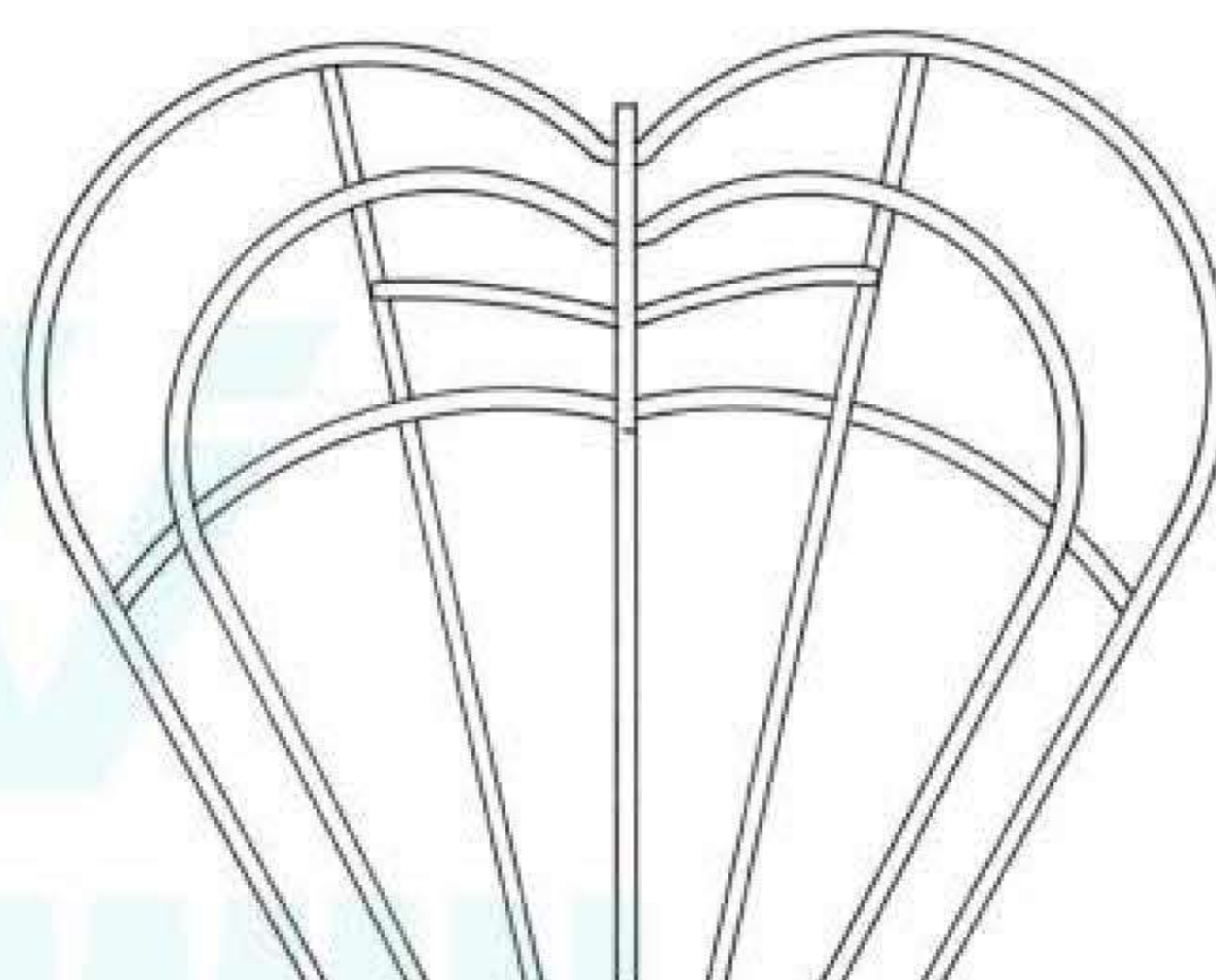
Spatole polmonari



Allison
TWS9-445 29.5 cm
TWS9-446 33 cm



Lung spatula
TWS9-447
extra wide
29.5 cm



Intimaspatel, Gefäßdissektoren

Espátulas para la íntima, Disecadores vasculares

Spatules pour la tunique interne, Dissecteurs vasculaires

Intima Spatulas, Dissettori vascolari



Nerve Hooklets



Crile
TWS9-456
90°
20 cm



Crile
TWS9-457
45°
20.5 cm



Suture hook
26 cm



TWS9-458
Ø 1.5 mm



TWS9-459
Ø 2.0 mm



TWS9-460
Ø 2.5 mm



TWS9-461
Ø 3.0 mm

Rippenkontraktoren
Aproximadores para costillas

Rapprocheurs des côtes
Approssimatori costali



**Bailey-Gibbon
Rib Contractors
TWS9-462
20 cm
For Adult**



**Bailey-Gibbon
Rib Contractors
TWS9-463
20 cm
For children**



**Bailey-Baby
Rib Contractors
TWS9-464
15 cm**



**Sellers Rib Contractor
TWS9-465 20 cm**



**Blalock
Rib Contractors**



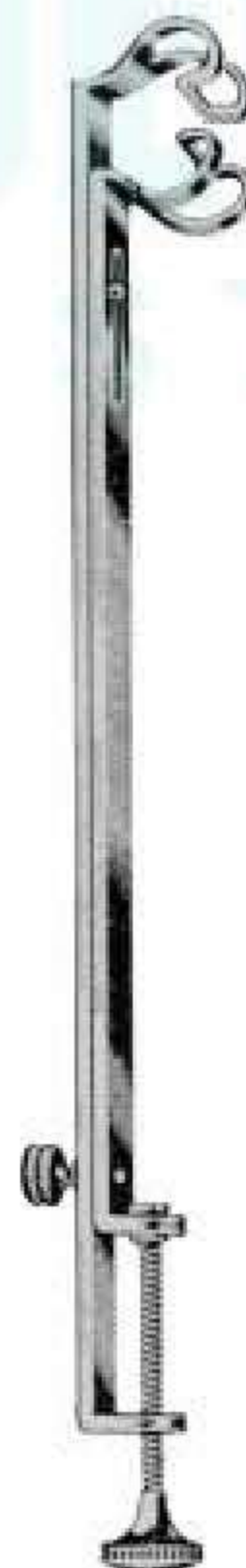
**TWS9-466
15 cm**



**TWS9-467
20 cm**



**TWS9-468
20 cm**



**Johns-Hopkins
(Potts Modif.)
Rib Contractors**



**TWS9-469
20 cm**



**TWS9-470
20 cm**



**TWS9-471
20 cm**



Cooley Rib Retractors
TWS9-472

lateral blades 12 x 16 mm spreading 95 mm



Cooley Rib Retractors

TWS9-473 lateral blades 15 x 30 mm, spreading 140 mm

TWS9-474 lateral blades 21 x 44 mm, spreading 150 mm



Cooley Rib Retractors
TWS9-475

lateral blades 35 x 50 mm, spreading 200 mm



Finocchietto, Rib Retractors

TWS9-476 lateral blades 15 x 15 mm, spreading 75 mm, infant

TWS9-477 lateral blades 31 x 31 spreading 100 mm, baby - height

TWS9-478 lateral blades 40 x 45 spreading 135 mm, baby - height

TWS9-479 lateral blades 52 x 62 spreading 175 mm, baby - height

TWS9-480 lateral blades 84 x 65 spreading 175 mm, baby - height

<i>Rippensperrer</i>	<i>Ecarteur de côtes</i>
<i>Separador costal</i>	<i>Divaricatore costale</i>



Haight Rib Retractor
TWS9-481

lateral blades 30 x 30 mm, spreading 120 mm



Morse-Favaloro Sternal Retractor
TWS9-482

4 movable blades 17 x 22 mm, spreading 160mm for children



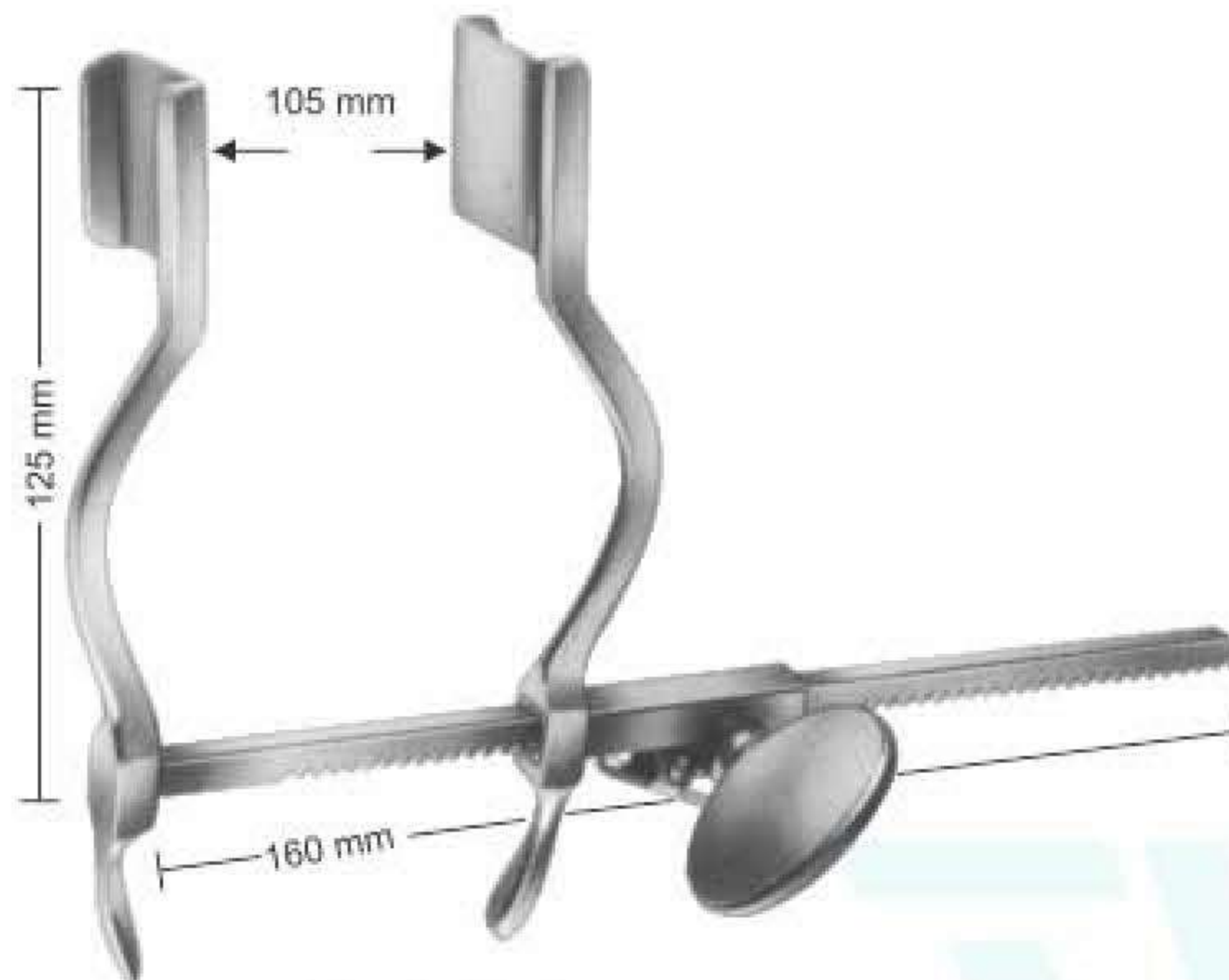
Finocchietto (Modif.) Rib Retractors
TWS9-483

lateral blades 14 x 15 mm, spreading 120 mm

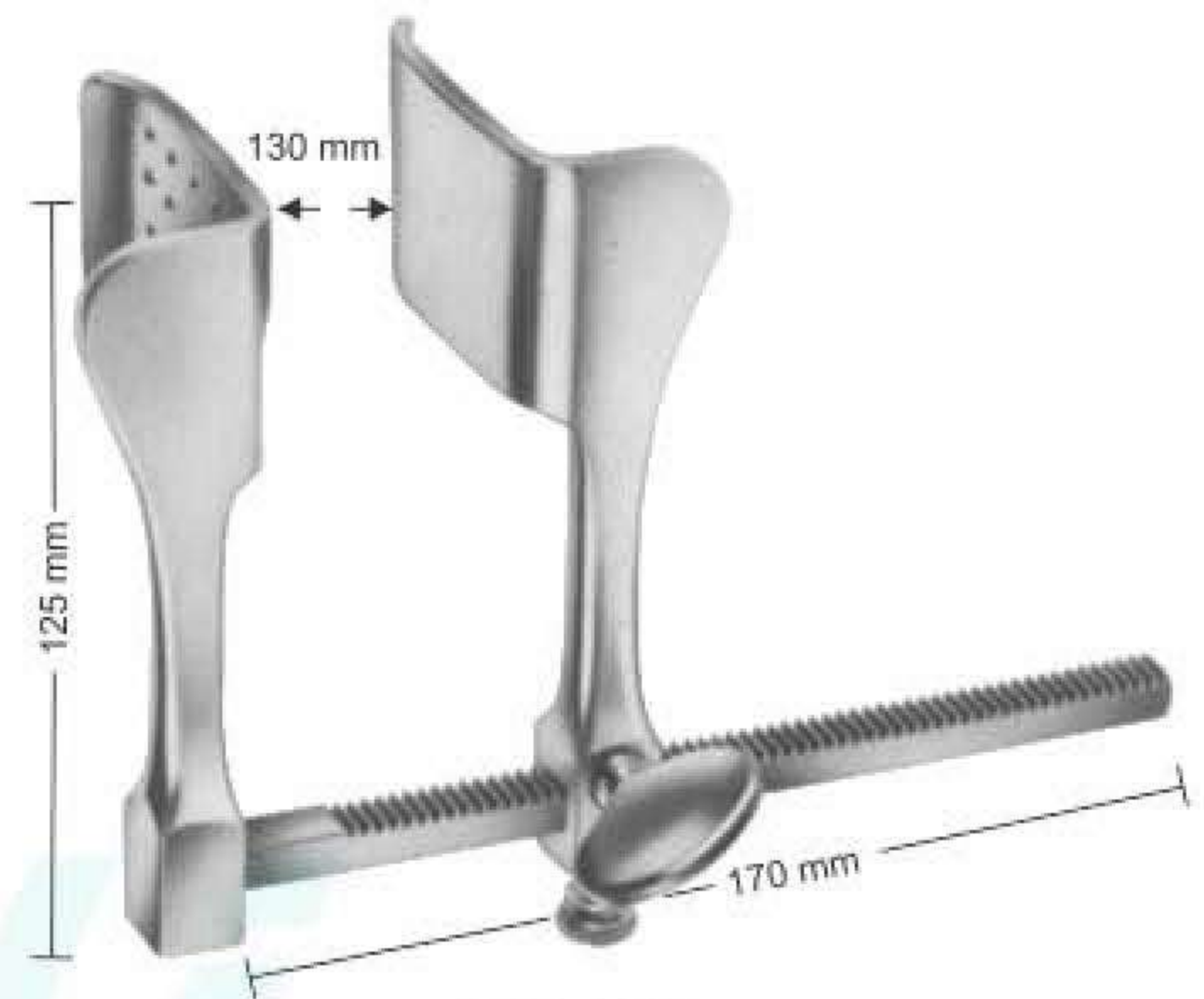


Tuffier Rib Retractor
TWS9-484

lateral blades 45 x 45 mm, spreading 160 mm



Hertzler Rib Retractors
TWS9-485
blades 20 x 25 mm, spreading 105 mm



Tuffier Rib Retractors
TWS9-486
blades 43 x 53 mm, spreading 130 mm



Thoracic Rib Retractors
TWS9-487 Retractor only
TWS9-488 Pair of blades, 48 x 68 mm
TWS9-489 1 Pair of blades, 70 x 75 mm



Thoracic & I.M.A Rib Retractors
TWS9-490 Complete set
TWS9-491 lateral blades for I.M.A Retractor
left 40 x 50 x 80 mm
TWS9-492 lateral blades for I.M.A Retractor
Right 40 x 50 x 80 mm

Rippensperrer	Ecarteur de côtes
Separador costal	Divaricatore costale



Finocchietto/Baby Rib Retractors
TWS9-493 7.5 cm
 14 mm x 15 mm spreading 75 mm



Finocchietto, Rib Retractors
 20 cm

TWS9-494	30 mm x 45 mm	spreading 150 mm
TWS9-495	46 mm x 62 mm	spreading 190 mm
TWS9-496	80 mm x 65 mm	spreading 190 mm



Castaneda Rib Retractors
TWS9-497 10.5 mm x 32 mm
 spreading 65 mm



Castaneda Rib Retractors
TWS9-498 12 mm x 45 mm
 spreading 70 mm



Castaneda Rib Retractors
TWS9-499 15 mm x 60 mm
 spreading 120 mm

Rippensperrer
Separador costal

Ecarteur de côtes
Divaricatore costale



Burford Rib Retractors

18 cm For children
spread with 2 sets of Blades

TWS9-500 48 mm x 42 mm spreading 135 mm

TWS9-501 38 mm x 42 mm spreading 135 mm



Burford Rib Retractors

18 cm For Adults
spread with 2 sets of Blades

TWS9-502 with two pair of blade 47 x 62 mm + 65 x 62 mm spreading 200 mm

TWS9-503 with 2 pair of blade 47 x 62 mm + 65 x 62 mm spreading 260 mm

TWS9-504 with 2 pair of blade 47 x 62 mm + 65 x 62 mm spreading 300 mm

Rippenscheren, Sternummeißel	Costotomes, ciseau-Burin à sternum
Costotomos, Cinceles	Costotomi, Scalpello per sterno



Sauerbruch-Frey Rib Shears
TWS9-505
for the first rib
37 cm



Schumacher Rib Shears
TWS9-506
sternum shears
21 cm



Bone Rib Shear
TWS9-507
23 cm



Rib Shear
TWS9-508
23 cm



Gluck Rib Shear
TWS9-509
22 cm



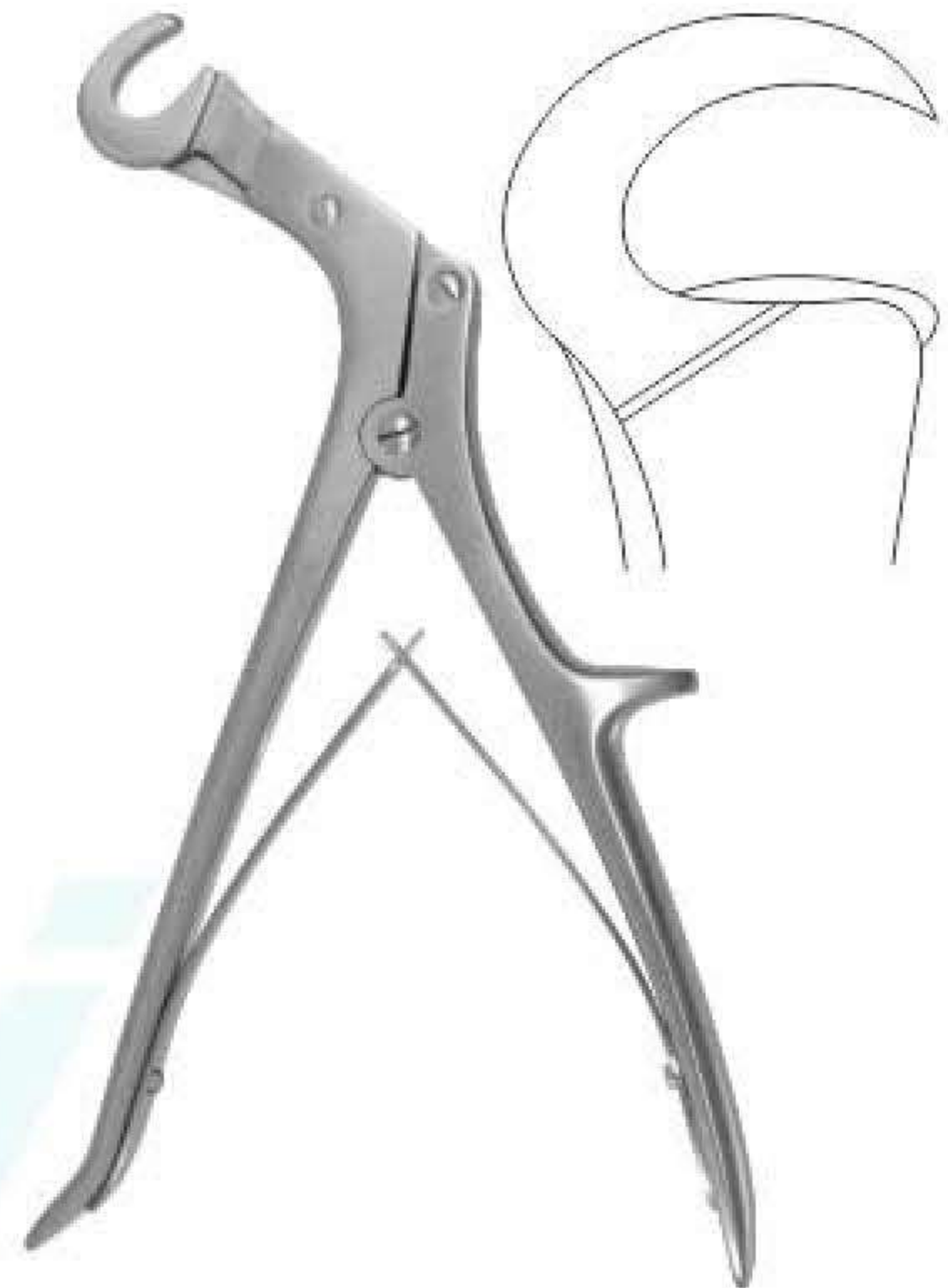
Lebsche Sternum Chisel
TWS9-510
24.5 cm



Semb Rib Shears
TWS9-511 20 cm



Semb Rib Shears
TWS9-512 20 cm



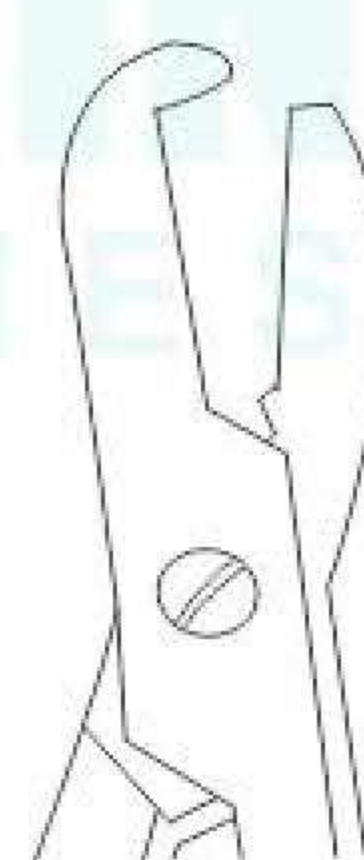
Giertz-Stille Rib Shears
TWS9-513 27 cm



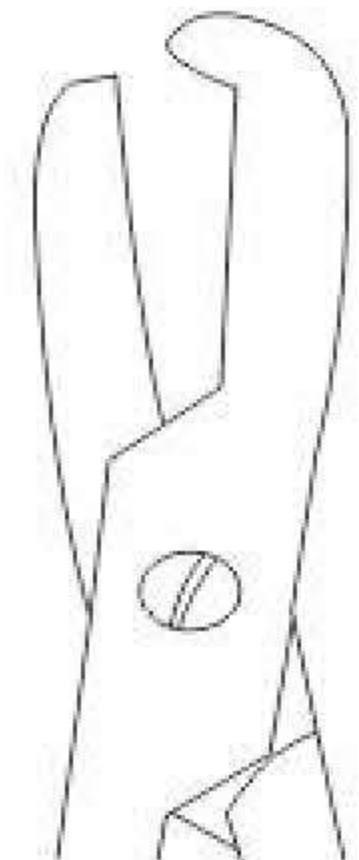
Brunner Rib Shears
TWS9-514 33.5 cm



Maurer-Collin Rib Shears



TWS9-515
Hooked Left
23 cm



TWS9-516
Hooked Right
23 cm

Rippenscheren, Sternumschere	Gostotomes, Cisaille à sternum
Costótomos, Tijera de esternón	Cesoie a costine, cesoie sternali



Sauerbruch Rib Shears
TWS9-517 24 cm For Children
TWS9-518 27 cm For Adults



Schuardt Rib Shears
TWS9-519 17 cm



Collin Rib Shears
TWS9-520 19 cm



Doyen Rib Shears
TWS9-521 19 cm



Bethune
TWS9-522
34.5 cm