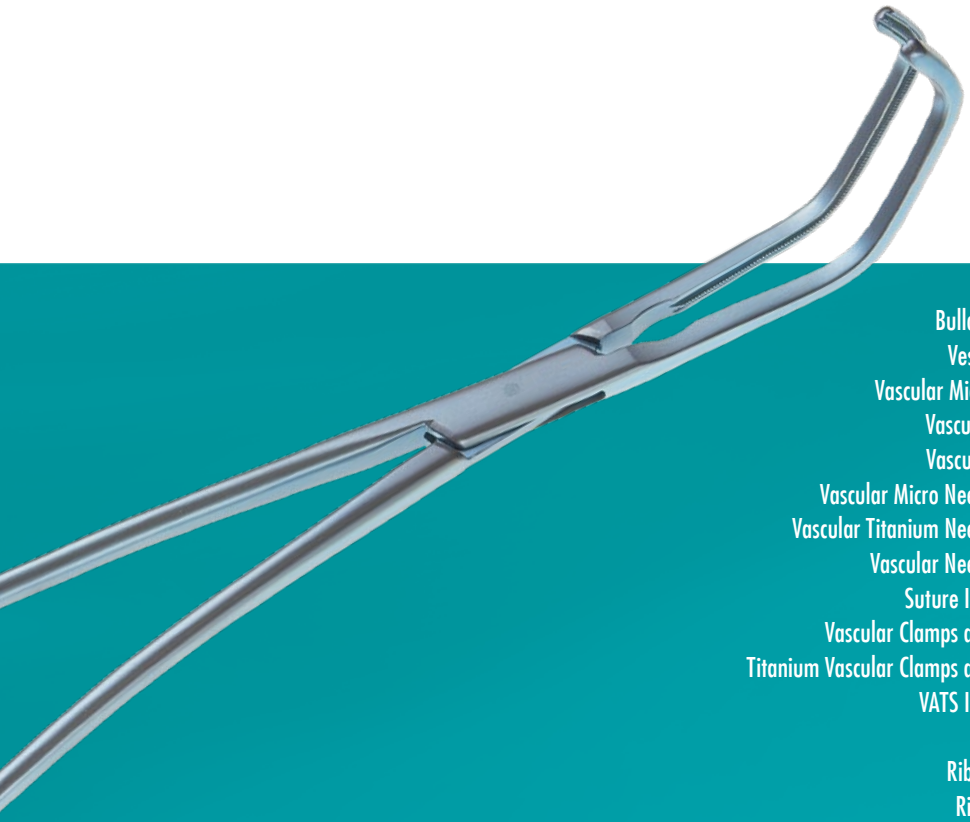
THORACIC & VASCULAR SURGERY



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
Punches
Probes and Retractors



DIEFFENBACH
Bulldog Clamp, stainless steel,
extra delicate serrations, straight

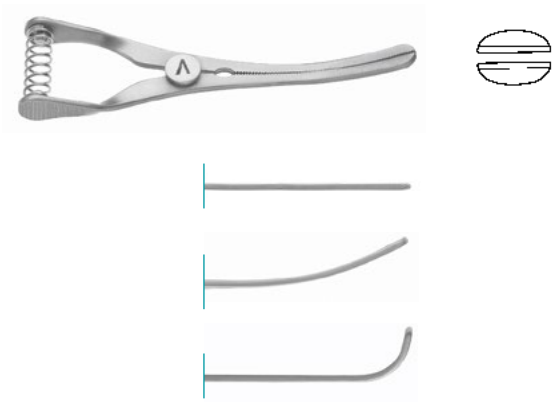
35mm	140-114-035
40mm	140-114-040
50mm	140-114-050
60mm	140-114-060
curved	
35mm	140-115-035
40mm	140-115-050
50mm	140-115-055
60mm	140-115-060



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

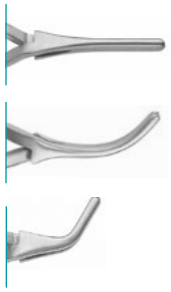
75mm	140-120-075
85mm	140-120-085
100mm	140-120-105
120mm	140-120-120
curved	
75mm	140-119-075
85mm	140-119-085
100mm	140-119-105
120mm	140-119-120

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

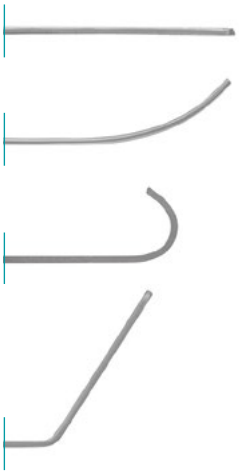
angled	
8mm/35mm	140-121-080
12mm/45mm	140-121-120
20mm/60mm	140-121-200



DIETHRICH
Micro Coronary Bulldog Clamp, stainless steel, angled

12mm/45mm	140-112-050





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

		curved		angled	
20mm/60mm	140-130-060	20mm/60mm	140-131-060	27mm/55mm	140-132-060
30mm/75mm	140-130-070	30mm/75mm	140-131-070		
43mm/90mm	140-130-090	43mm/90mm	140-131-090		
56mm/110mm	140-130-110	56mm/110mm	140-131-110		

COOLEY GLOVER
Bulldog Clamp, stainless steel,
Cooley serrations, straight

		curved	
20mm/60mm	290-432-060	20mm/60mm	290-433-060
30mm/75mm	290-432-075	30mm/75mm	290-433-075
43mm/90mm	290-432-090	43mm/90mm	290-433-090
56mm/110mm	290-432-110	56mm/110mm	290-433-110

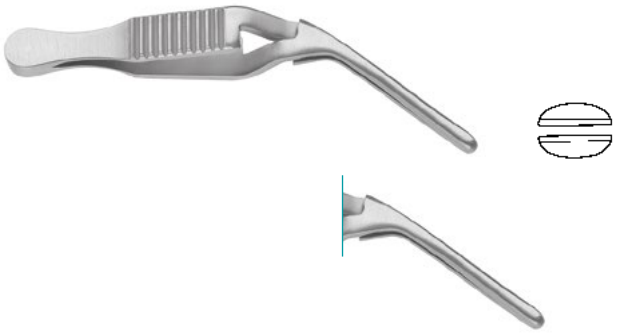


CLOSING PRESSURE
adjustable

DEBAKEY GLOVER SATINSKY
Bulldog Clamp, stainless steel,
delicate atraumatic serrations,
double angulation

38mm/70mm	140-133-060
63mm/100mm	140-133-100

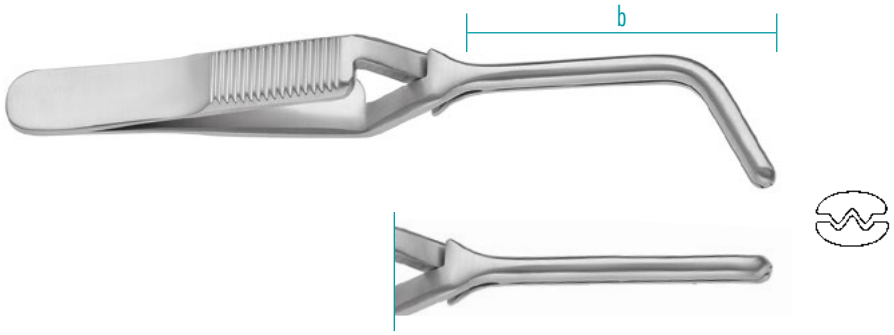
Ss



HESS
Bulldog Clamp, stainless steel,
delicate serrations, angled

20mm jaw	140-056-020
30mm jaw	140-056-030

Ss

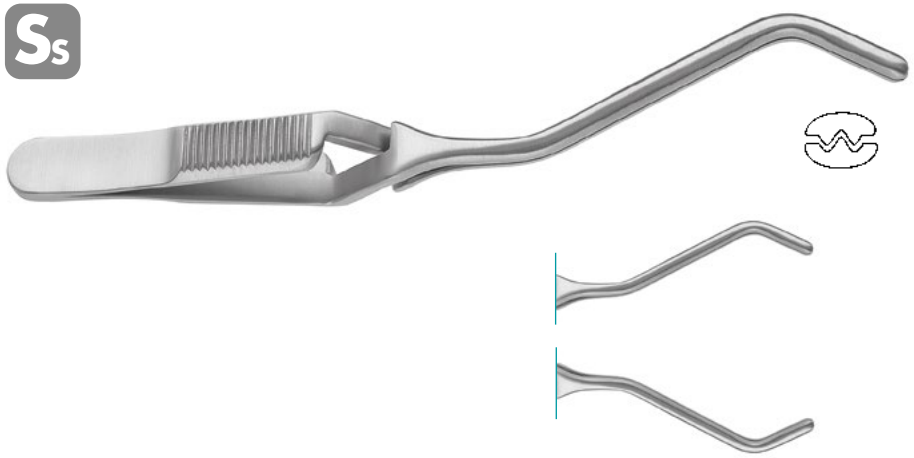


DEBAKEY GREGORY SOFT
Bulldog Clamp, stainless steel,
delicate atraumatic serrations, straight

Total length: 90mm b = 27mm	140-015-090
Total length: 110mm b = 44mm	140-015-110

angled

Total length: 105mm 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

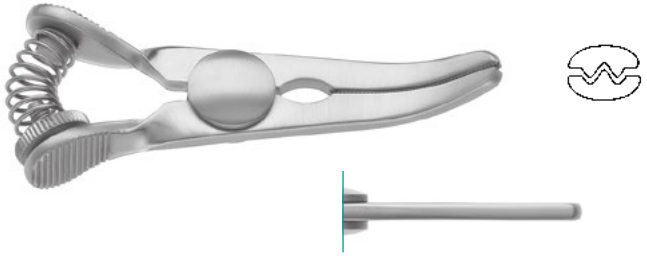
Total length: 110mm	140-114-025



DEBAKEY SANTULLI
Bulldog Clamp, stainless steel,
delicate atraumatic serrations, curved

Total length: 70mm	140-135-070

Ss



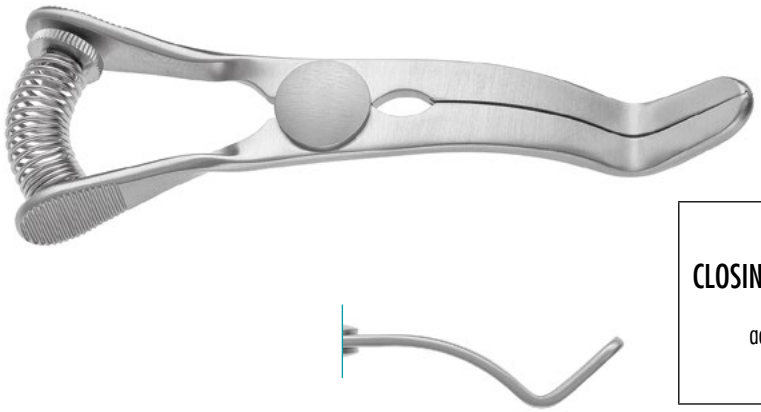
CLOSING PRESSURE

adjustable

DEBAKEY GLOVER DELICATE
Bulldog Clamp, stainless steel,
extra delicate atraumatic serrations, straight

20mm/50mm	290-410-050

Ss

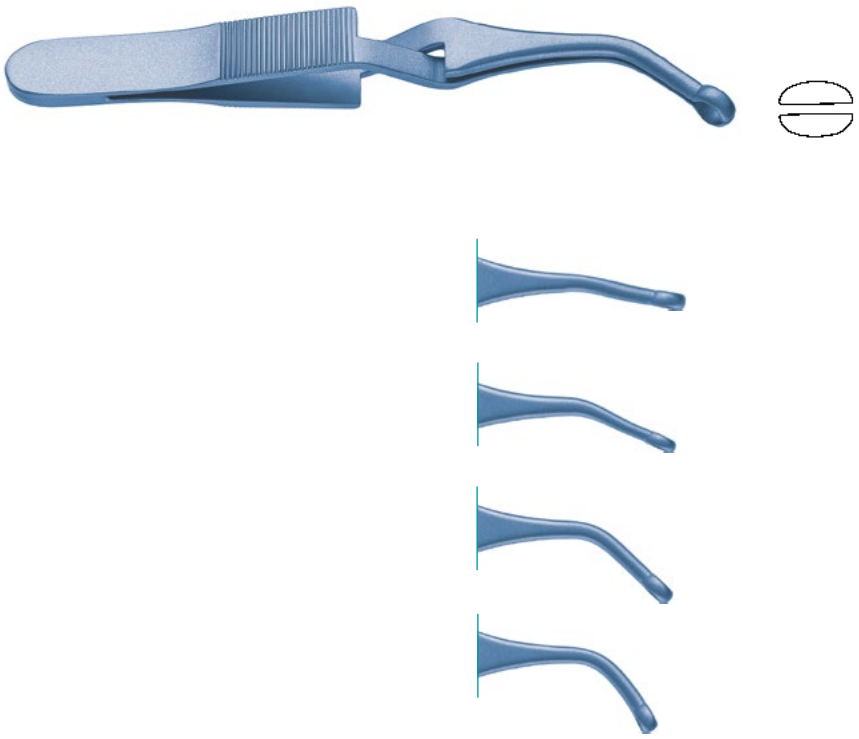


CLOSING PRESSURE

adjustable

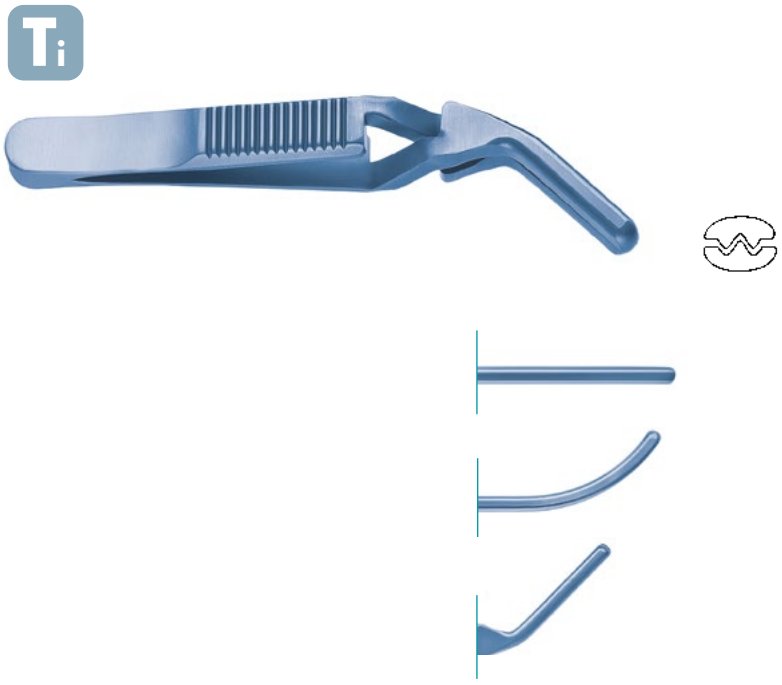
DEBAKEY CAROTID
Bulldog Clamp, stainless steel,
delicate atraumatic serrations, special curved

90mm	140-133-095



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

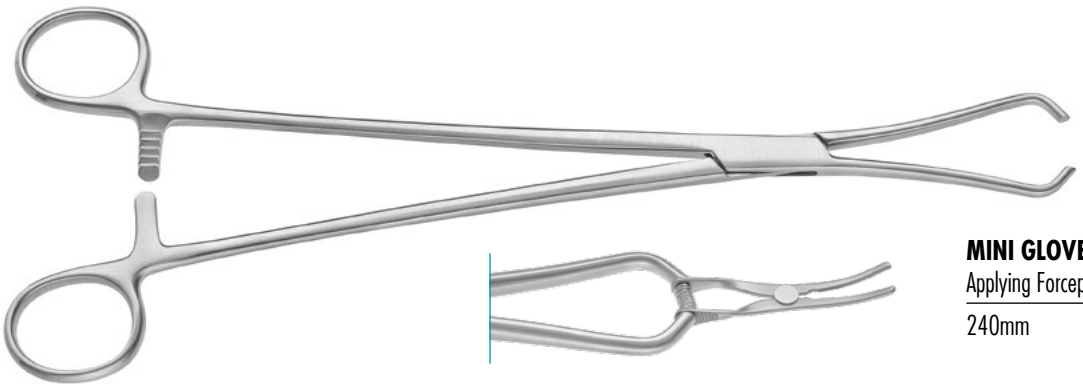
150g (±10g)

WICKHAM

Bulldog Clamp, stainless steel,
very delicate serrations, straight

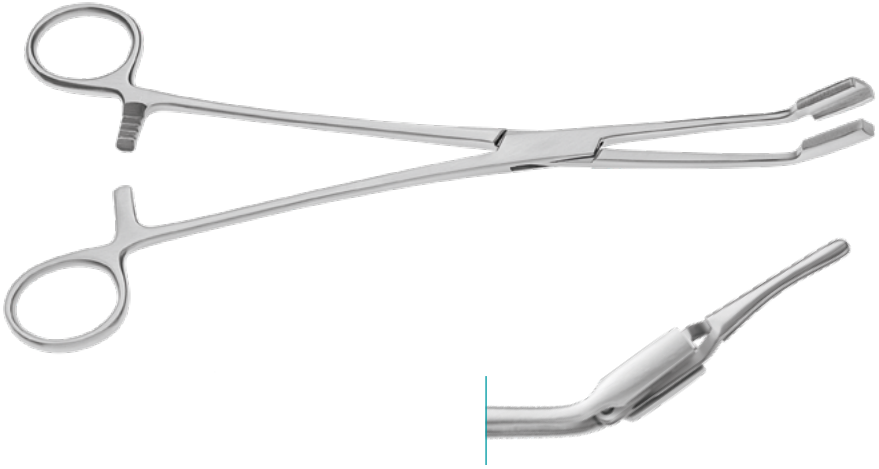
straight		curved	
13mm/49mm	140-108-013	13mm/47mm	140-109-013
18mm/54mm	140-108-018	18mm/51mm	140-109-018
25mm/61mm	140-108-025	25mm/65mm	140-109-025

Suitable for Applying Forceps: 140-108-230



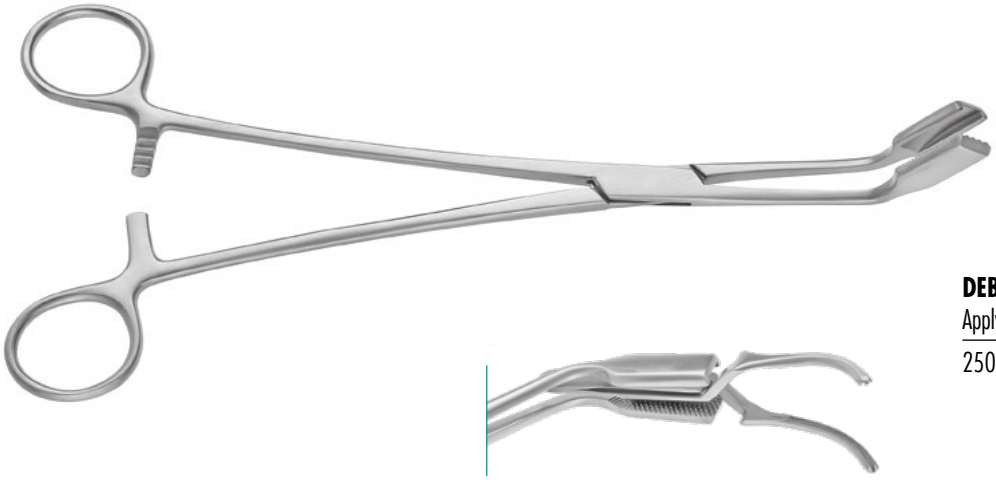
MINI GLOVER
Applying Forceps

240mm	140-130-240



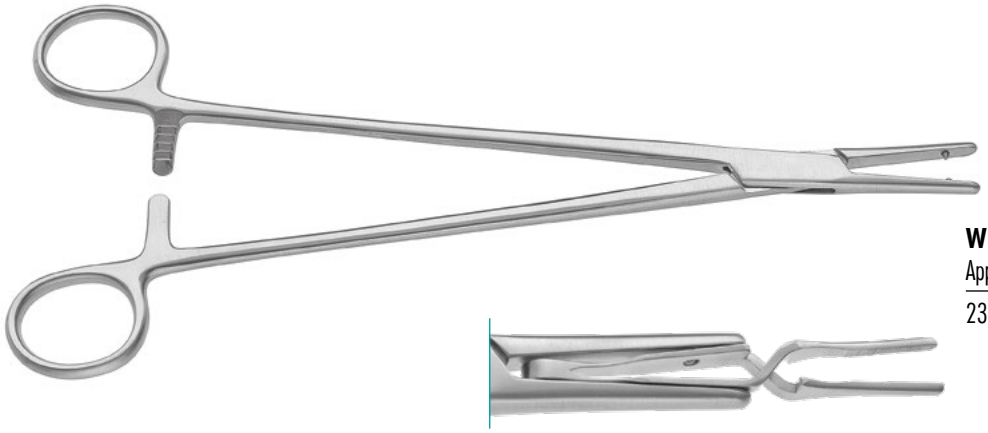
JOHNS HOPKINS
Applying Forceps

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

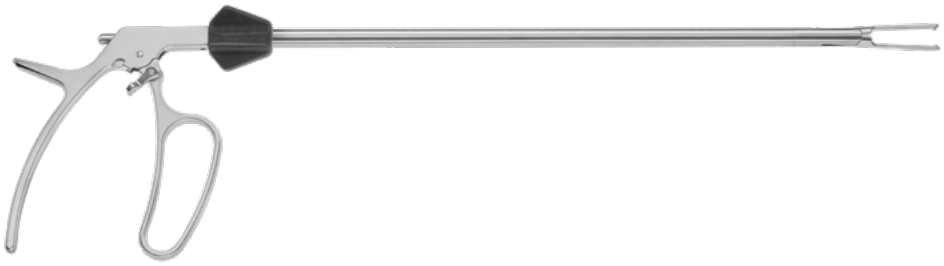
60mm jaw	300-100-786



CLOSING PRESSURE
450 - 475g

SATINSKY
Vascular Bulldog Clamp

60mm jaw	300-100-789



Endoscopic Bulldog Clamp Applier, detachable, 10mm, rotating

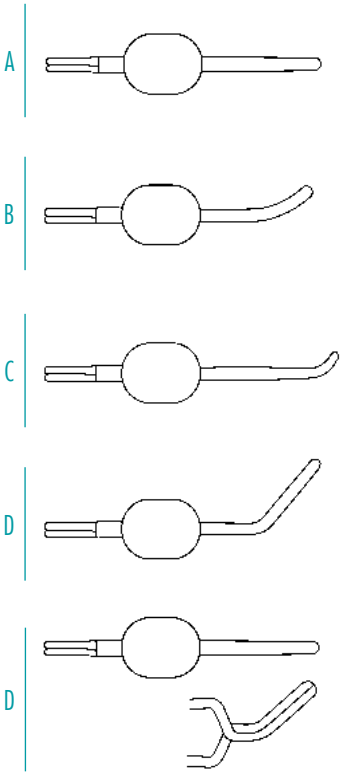
330mm, 13"	300-410-775



Endoscopic Bulldog Clamp Applier, detachable (insert only)

	300-401-775





MÜLLER

Vessel Clip, atraumatic, 50g closing pressure

A straight	250-065-010
B curved	250-065-011
C curved tip	250-065-012
D angled to side	250-065-013
E knee-bent	250-065-014

80g closing pressure

A straight	250-065-020
B curved	250-065-021
C curved tip	250-065-022
D angled to side	250-065-023
E 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



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

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

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

Tubal Single Clamps, 2 pcs. per set	
19mm, Ø 2.5mm	270-014-005
19mm, Ø 3.0mm	270-014-006
22mm, Ø 3.5mm	270-014-007
22mm, Ø 4.0mm	270-014-008

Approximator Double Tubal Clamp, without frame, Fig. 5	
19mm, Ø 2.5mm	270-015-005



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



Arteriotomy Clamp

Ø 1.2mm	270-380-012
Ø 1.8mm	270-380-018
Ø 2.4mm	270-380-024

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)

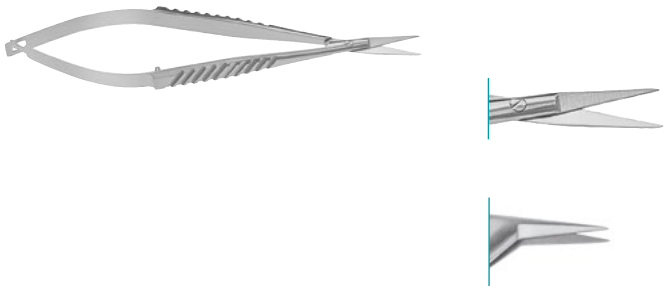


Fig. 1, 8mm, Vessel ∅ 0.3 - 0.8mm	
(A) matt	270-001-201
(V) matt	270-101-201
Fig. 2, 11mm, Vessel ∅ 0.6 - 1.4mm	
(A) matt	270-001-202
(V) matt	270-101-202
Fig. 3, 16mm, Vessel ∅ 1.0 - 2.2mm	
(A) matt	270-001-203
(V) matt	270-101-203
Fig. 4, 24mm, Vessel ∅ 1.5 - 3.3mm	
(A) matt	270-001-204
(V) matt	270-101-204
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

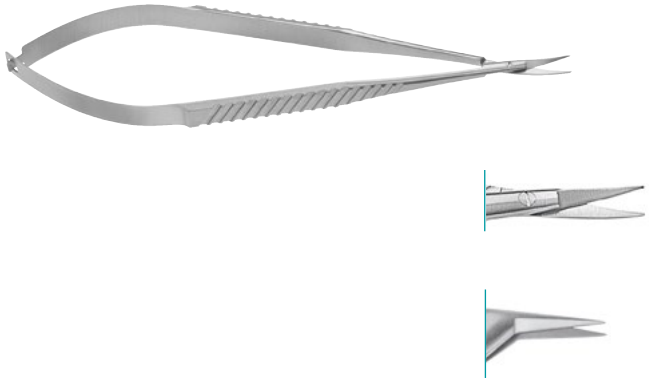


Adventitia Scissors, flat handle, straight

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



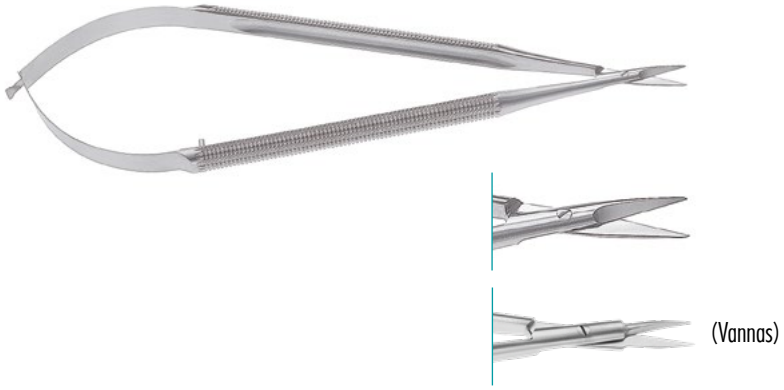
Dissecting Scissors, very delicate curved, 12mm blade, ∅ 8mm round handle

150mm, 6"	251-546-150
180mm, 7"	251-546-180

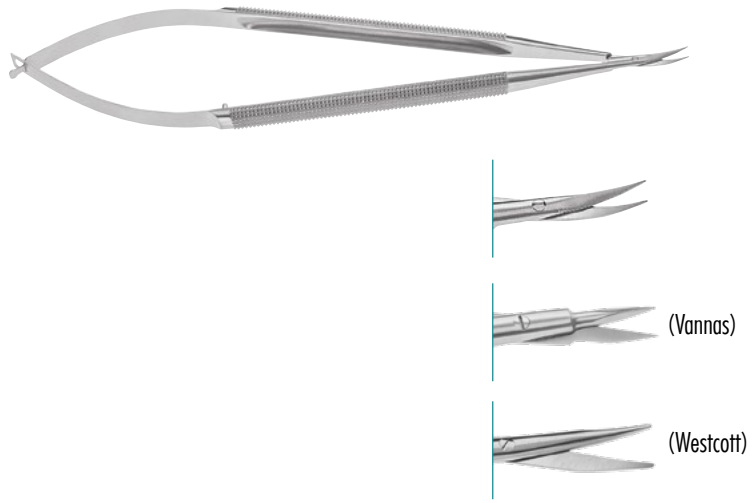


Adventitia Scissors, very delicate straight, 14mm blade, ∅ 8mm round handle

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 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 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
Ø 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
Ø 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
Ø 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



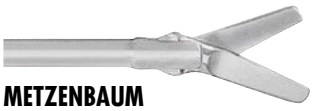
POTTS
Ø 5.0mm, 125° angled, single action
working length:

170mm, 6 2/3"	295-048-125
250mm, 9 7/8"	295-050-125
300mm, 11 7/8"	295-052-125



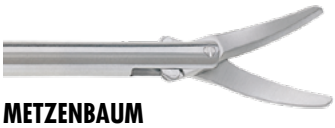
METZENBAUM
Ø 5.0mm, straight, single action
working length:

170mm, 6 2/3"	295-048-000
250mm, 9 7/8"	295-050-000
300mm, 11 7/8"	295-052-000



METZENBAUM
Ø 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
Ø 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
Ø 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
Ø 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



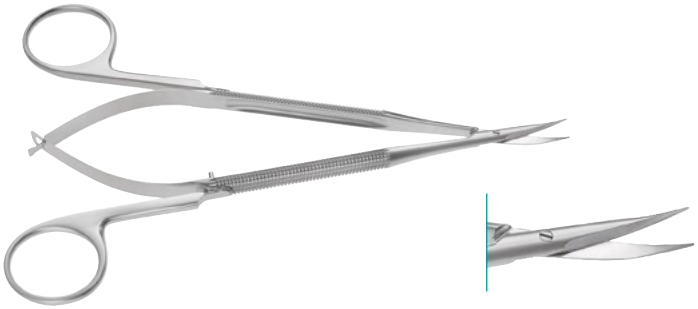
METZENBAUM
Ø 5.0mm, 70° curved, double action
working length:

170mm, 6 2/3"	295-048-070
250mm, 9 7/8"	295-050-070
300mm, 11 7/8"	295-052-070



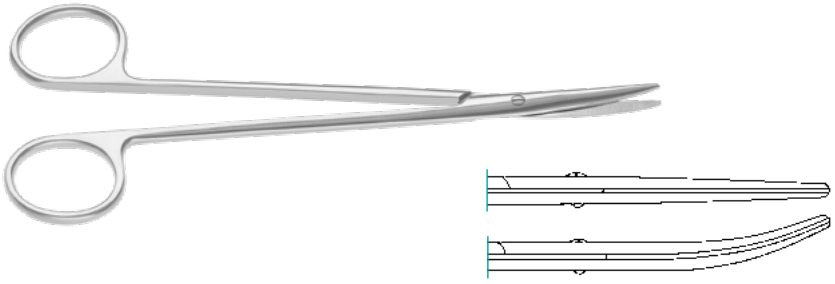
METZENBAUM
Ø 7.0mm, 15° curved, double action
working length:

170mm, 6 2/3"	295-069-015
250mm, 9 7/8"	295-070-015
300mm, 11 7/8"	295-071-015



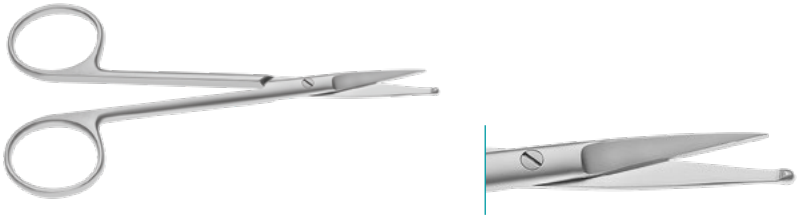
WESTCOTT
Dissecting Scissors, 8mm handle, curved

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



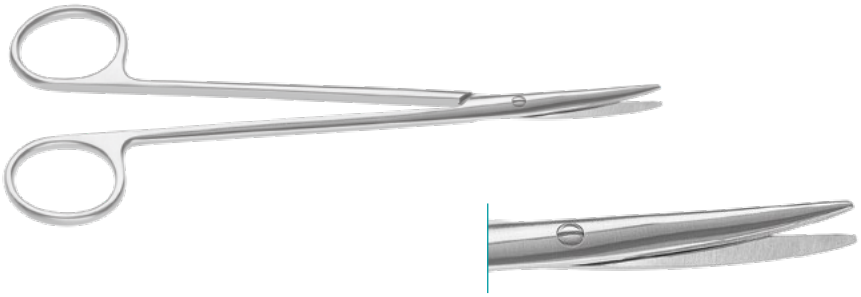
Coronary Scissors, probe-pointed tip

115mm, $4^{1/2}$"	120-420-115



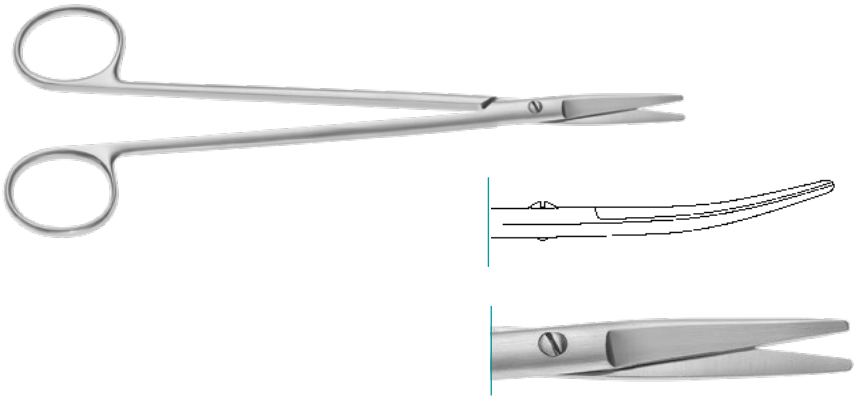
DEBAKEY
Endarterectomy Scissors, 180mm, 7"

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



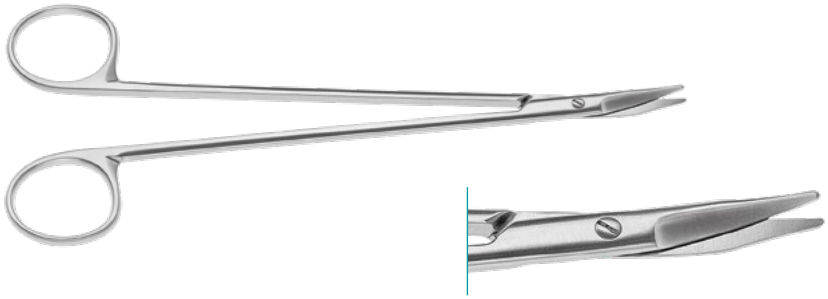
CHURCH
Vascular Scissors, slightly curved

170mm, 6 2/3"	120-255-170
255mm, 10"	120-255-255



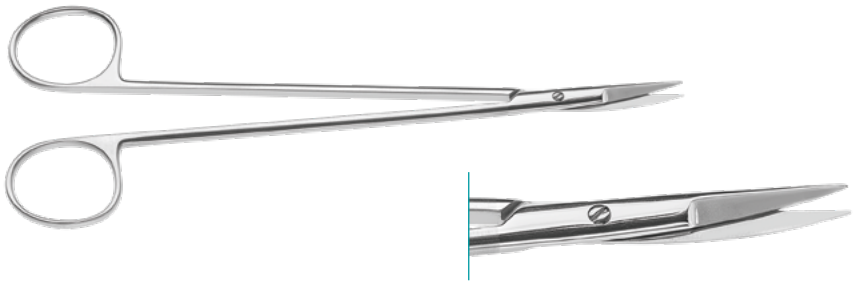
THOMPSON
Valve Scissors, strong curved

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



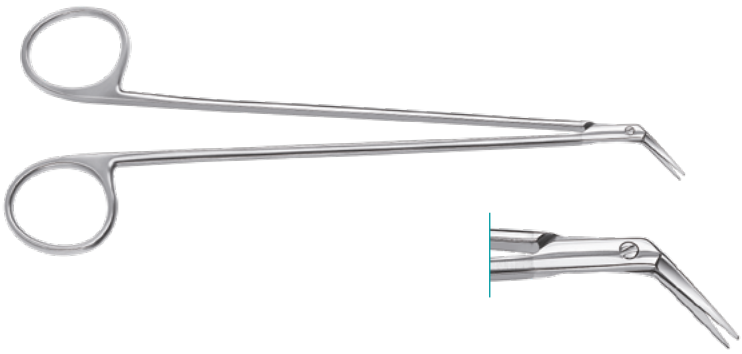
COOLEY
Vascular Scissors, curved

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



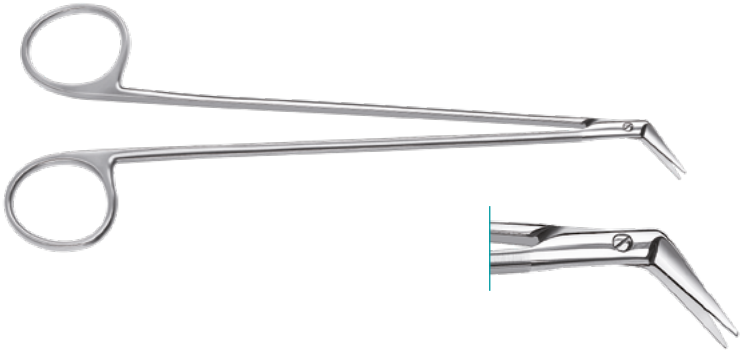
SATINSKY
Vascular Scissors, curved

245mm, 9 2/3″	120-203-245



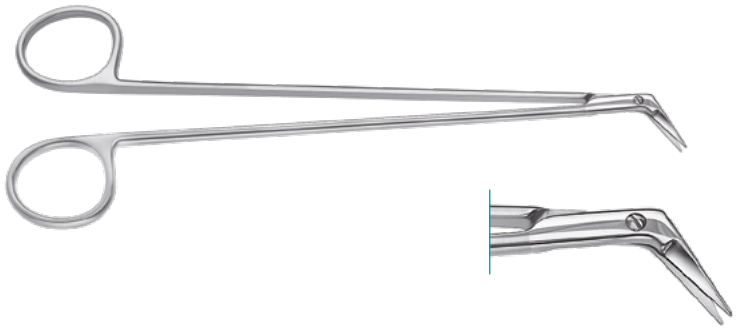
DIETHRICH
sharp, extra delicate, 14mm, 180mm, 7"

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



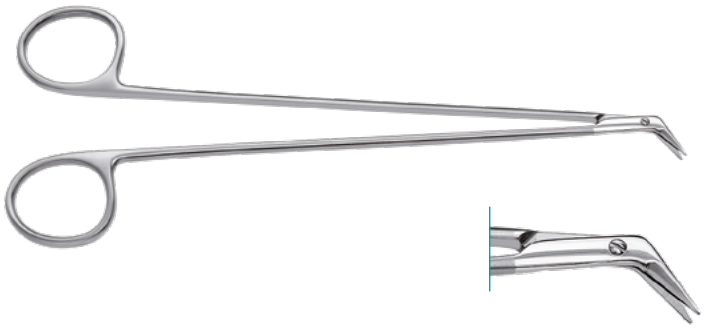
DIETHRICH HEGEMANN
13mm, 180mm, 7"

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



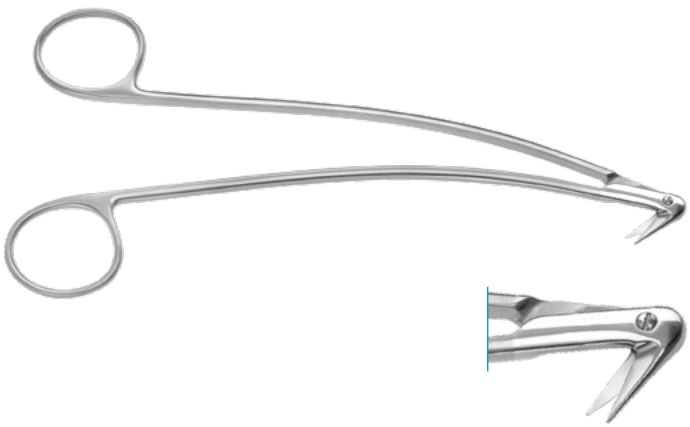
DIETHRICH
Peripheral, 130mm, 5 1/8""

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



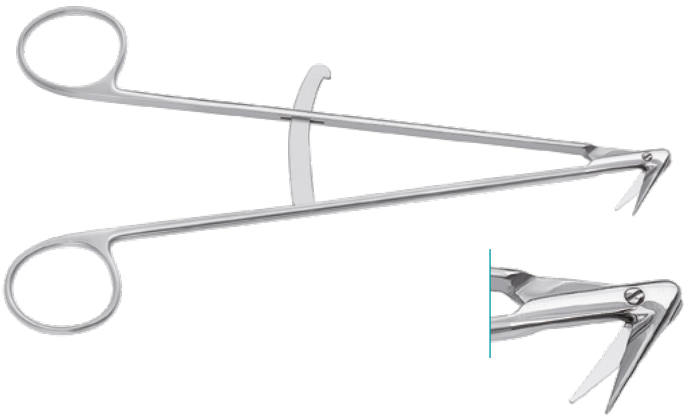
DIETHRICH FAVALORO
13mm, 180mm, 7"

125°	125-185-125



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

125°	125-168-125



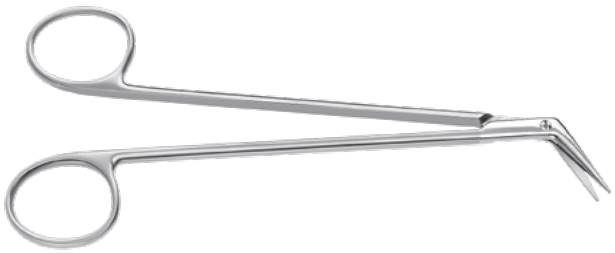
DIETHRICH ARTERY
13mm, 180mm, 7"

125°	125-200-125



BEALL
Circumflex, 150mm, 6"

115°	125-300-115





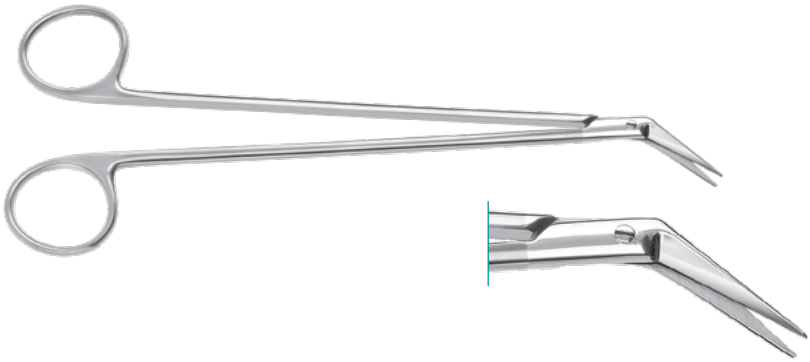
blunt



sharp

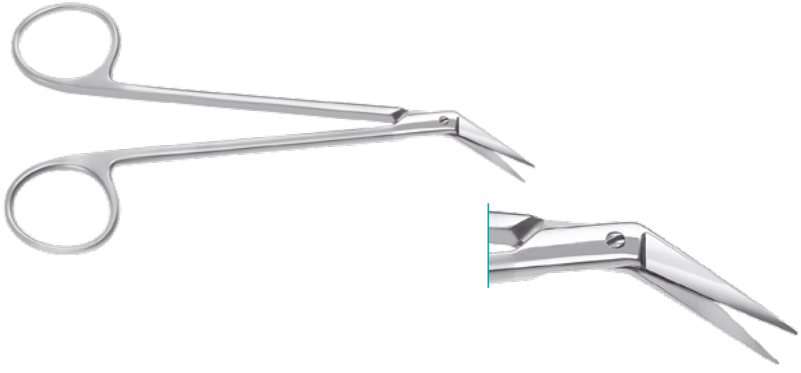
DIETHRICH

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
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



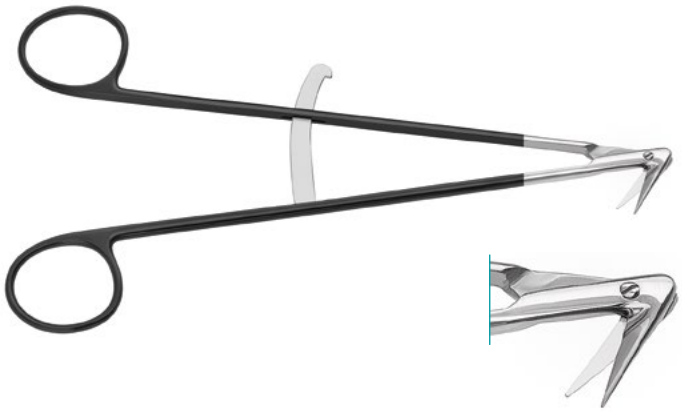
POTTS SMITH

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



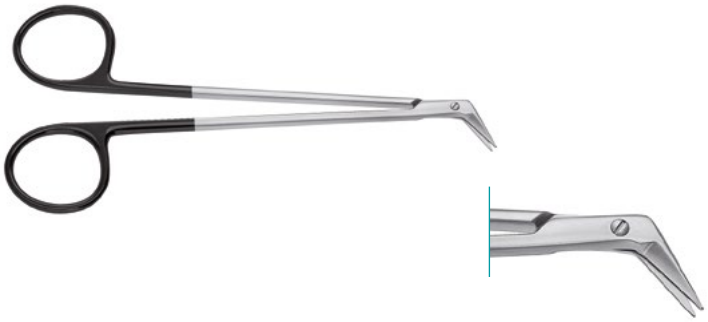
DIETHRICH SC
13mm, with guide, 180mm, 7"

125°	126-200-125



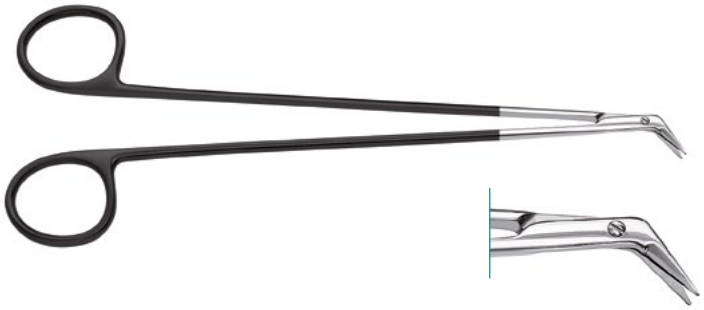
DIETHRICH HEGEMANN SC
13mm, 180mm, 7"

25°	126-180-025
45°	126-180-045
60°	126-180-060
90°	126-180-090
125°	126-180-125



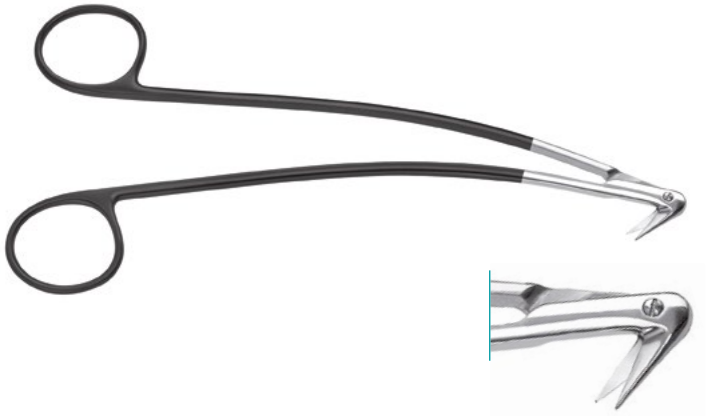
DIETHRICH SC
Peripheral, 13mm, 130mm, $5^{1/8}$"

25°	126-130-025
45°	126-130-045
60°	126-130-060
90°	126-130-090
125°	126-130-125



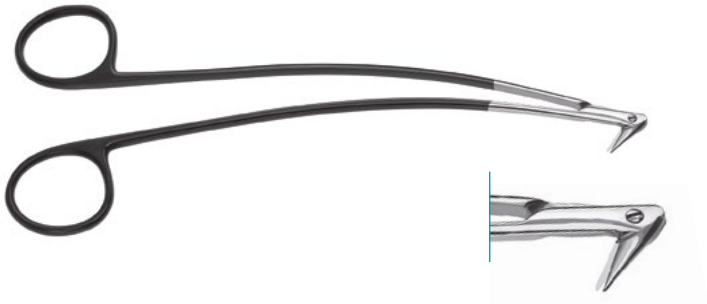
DIETHRICH SC
9mm, 130mm, 5 1/8"

25°	126-178-025
45°	126-178-045
60°	126-178-060
90°	126-178-090
125°	126-178-125



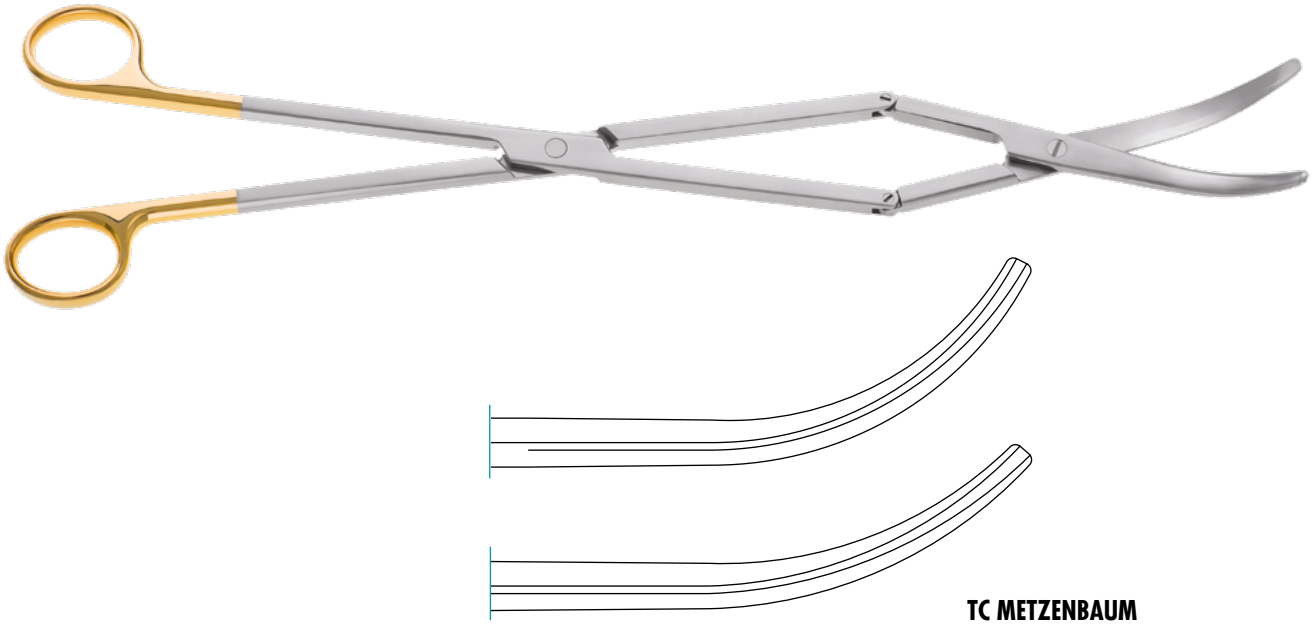
DIETHRICH FAVALORO SC
13mm, 180mm, 7"

125°	126-185-125



DIETHRICH FAVALORO SC
9mm, 170mm, 6 2/3"

125°	126-168-125

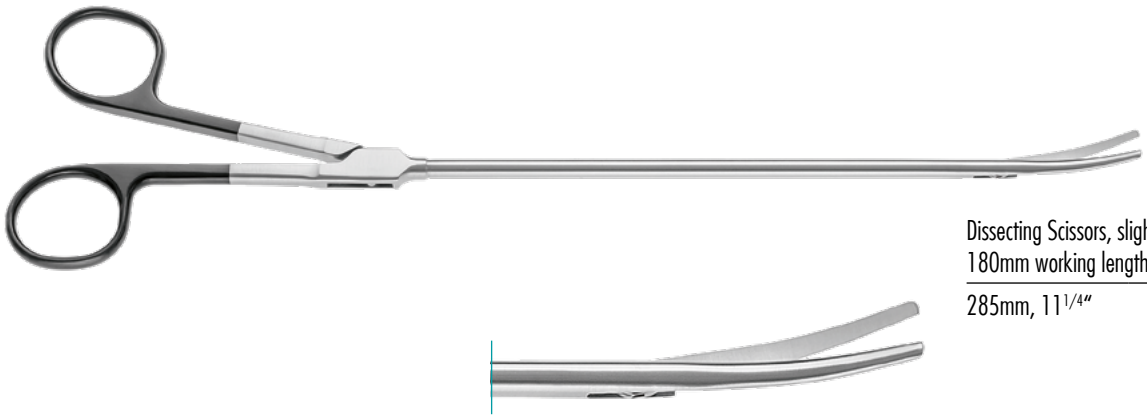


TC METZENBAUM
70mm blade length, double action,
slightly curved

325mm, 12 3/4"	295-120-000
365mm, 14 1/3"	295-120-002

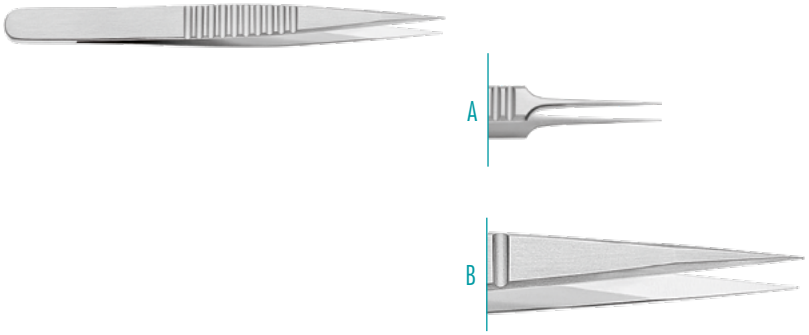
strongly curved

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

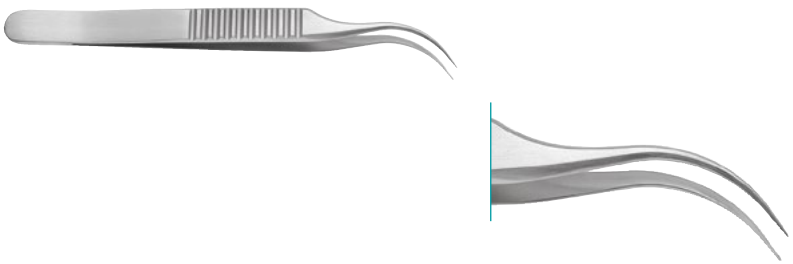
B 9mm handle width, 180mm, 7"

	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"	
Ø 0.3mm tip	251-615-120
Ø 0.65mm tip	251-613-120
Ø 0.1mm tip	251-616-120
135mm, 5 1/3"	
Ø 0.3mm tip	251-610-135
180mm, 7"	
Ø 0.65mm tip	251-612-180



BANIS

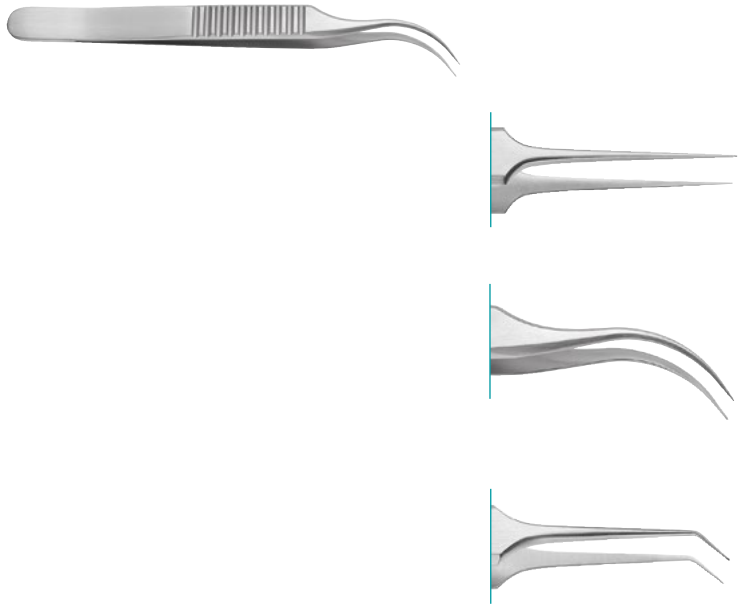
Micro Forceps, flat handle, 9mm handle width
Ø 0.3mm tip

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,
Ø 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, Ø 0.4mm tip,
9mm handle width

120mm, 4 3/4"	251-718-120

45° angled, Ø 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

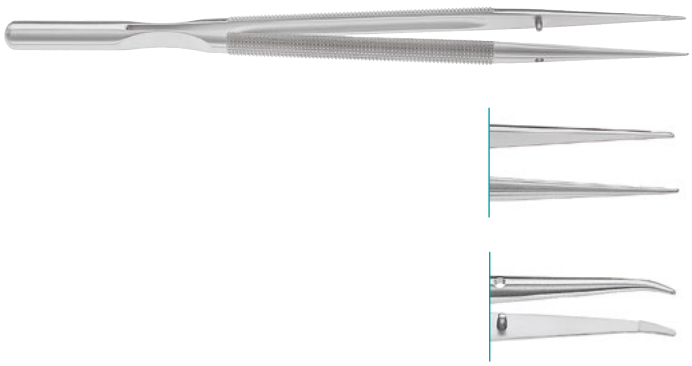
7mm handle width

135mm, 5 1/3"	251-619-130



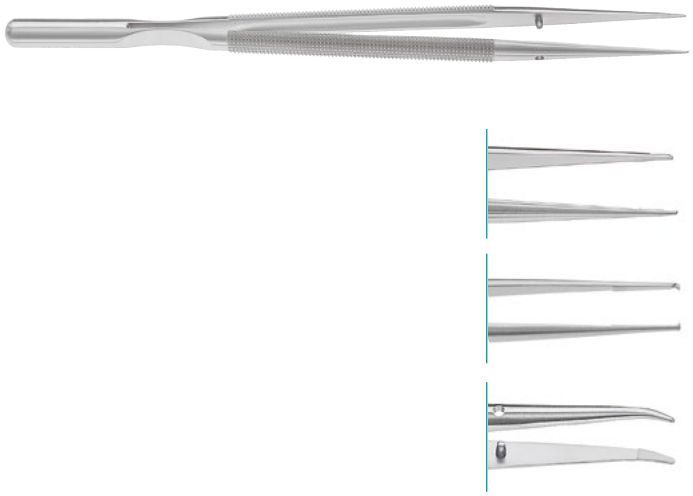
ADSON
Fixation Forceps, Ø 0.3mm tip,
120mm, 4 3/4"

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



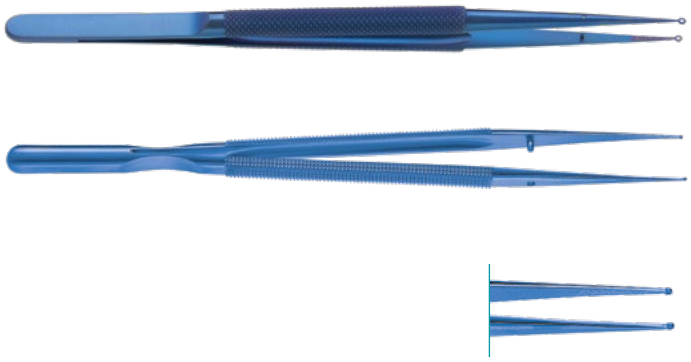
Micro Forceps, 45° angled, ∅ 8mm handle,
∅ 0.3mm tip

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

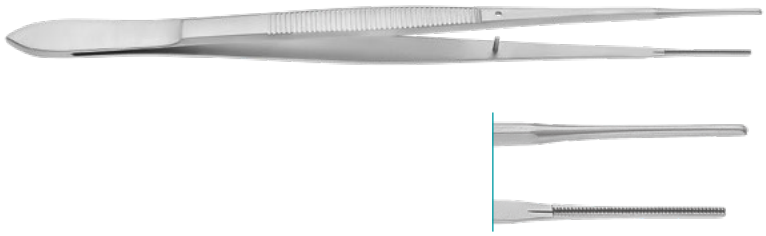
150mm, 6"	250-364-705

∅ 2 x 1mm ring

180mm, 7"	250-364-706
210mm, 8 1/4"	250-364-707

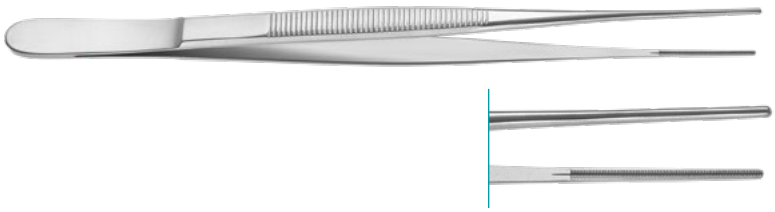
with weight
∅ 1 x 0.5mm ring

150mm, 6"	250-764-715
180mm, 7"	250-764-718
210mm, 8 1/4"	250-764-721



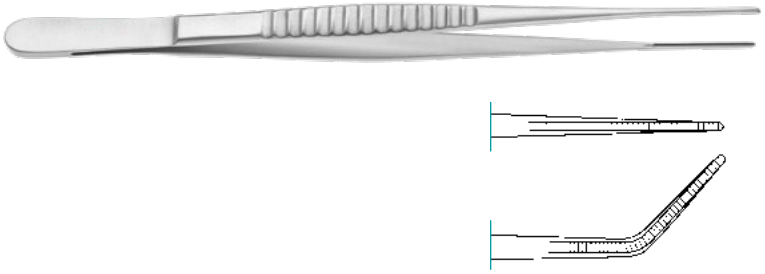
GERALD DEBAKEY
Vascular Tissue Forceps, straight, extra delicate 1.0mm tip, DeBakey serrations

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



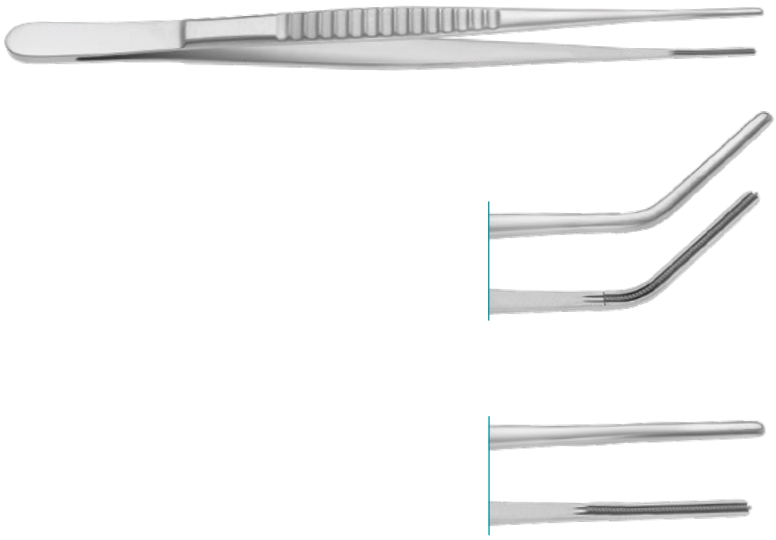
DEBAKEY
Vascular Tissue Forceps, straight, 1.5mm tip, DeBakey serrations,

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

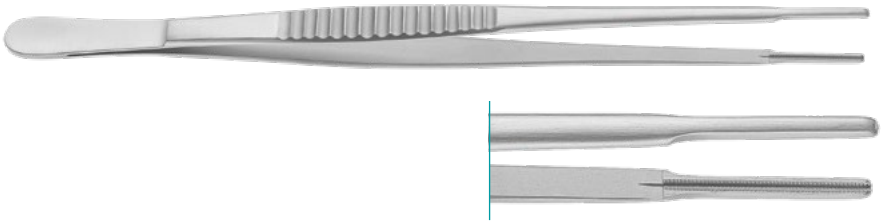
straight, 3.5mm

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



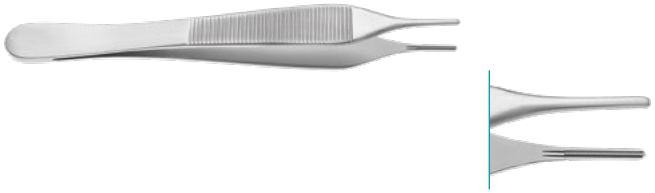
DEBAKEY
Vascular Tissue Forceps, straight, 2.8mm step-down tip, DeBakey serrations

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



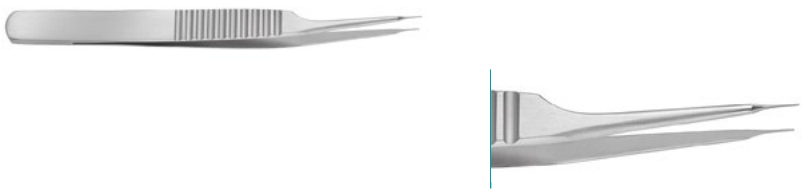
COOLEY
Vascular Tissue Forceps, straight,
delicate 1.5mm tip, DeBakey serrations

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



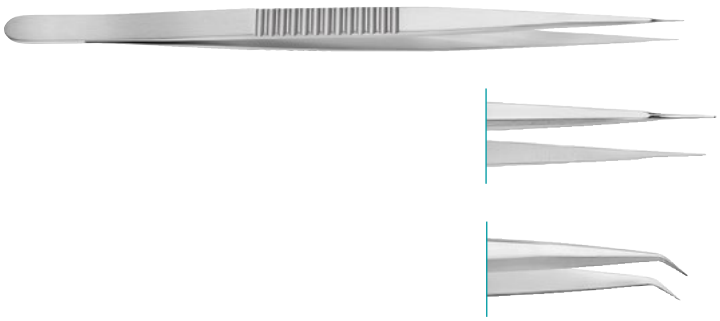
ADSON DEBAKEY
Vascular Tissue Forceps, straight, 2.0mm tip

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

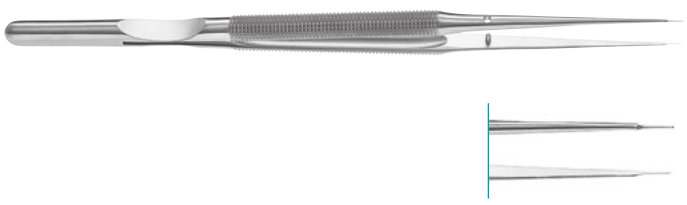
Ø 0.1mm tip 9mm handle	251-611-187
Ø 0.2mm tip, 9mm handle	251-611-186

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,
Ø 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,
Ø 0.4mm tip, without ratchet,
Ø 8mm handle, straight

130mm, 5 1/8"	250-064-138
180mm, 7"	250-064-244

Ø 0.2mm tip, Ø 8mm handle, curved,
150mm, 6"

without ratchet	250-064-144

Ø 8mm handle, curved, 130mm, 5 1/8"

without ratchet	250-064-142
with ratchet	250-064-147

Ø 0.5mm tip
Ø 10mm handle, curved, 130mm, 5 1/8"

without ratchet	250-064-146
with ratchet	250-064-145

Ø 0.4mm tip
Ø 8mm handle, curved, 150mm, 6"

without ratchet	250-064-148

Ø 0.4mm tip
Ø 8mm handle, curved, 180mm, 7"

without ratchet	250-064-245

Ø 0.5mm tip
Ø 10mm handle, curved, 180mm, 7"

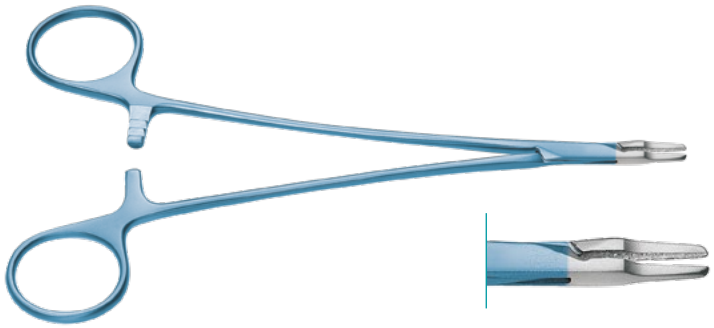
without ratchet	250-064-248

Balanced Micro Needle Holder,
Ø 8mm handle, curved, with tying platform
Ø 0.4mm tip

150mm, 6"	251-660-150

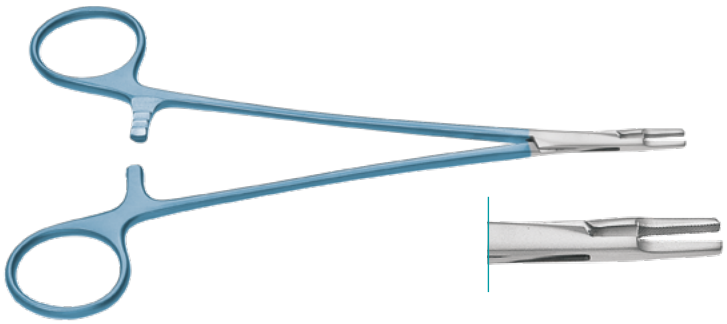
Ø 0.6mm tip

180mm, 7"	251-660-180



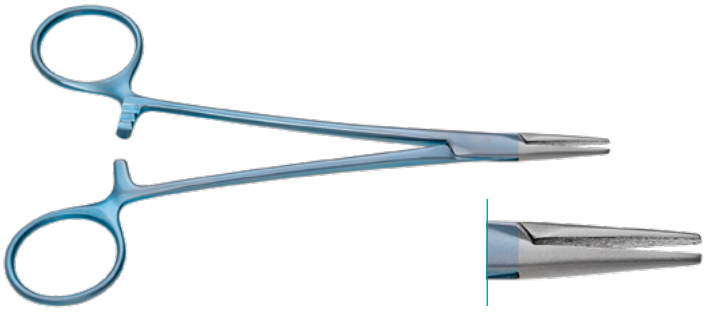
RYDER
Needle Holder

150mm, 6″	180-660-150
170mm, 6 2/3″	180-660-170
190mm, 7 1/2″	180-660-190



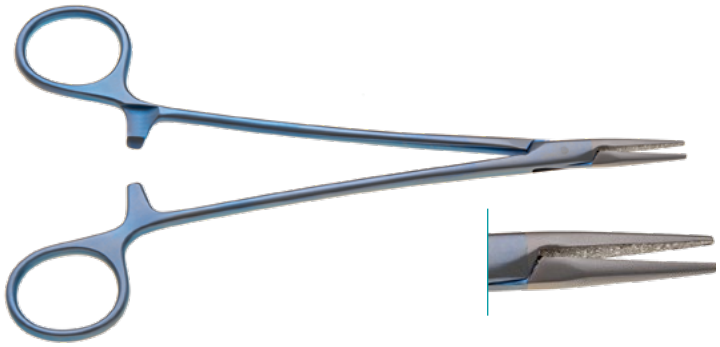
RYDER
Needle Holder, TC jaw, delicate

150mm, 6″	180-661-150
170mm, 6 2/3″	180-661-170
190mm, 7 1/2″	180-661-190



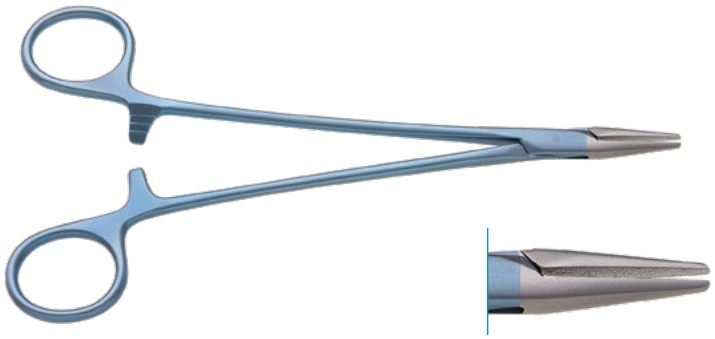
Vascular Needle Holder, TC jaw

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



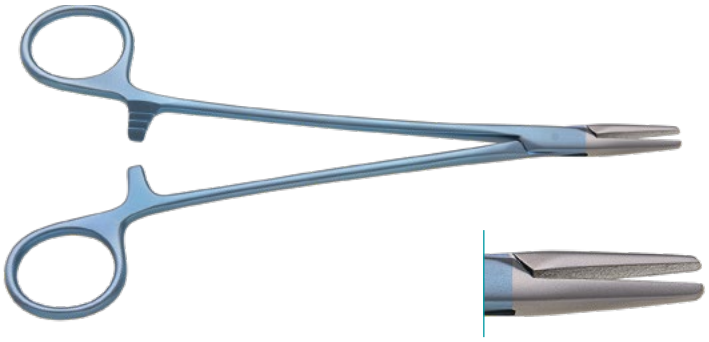
DEBAKEY
Needle Holder

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



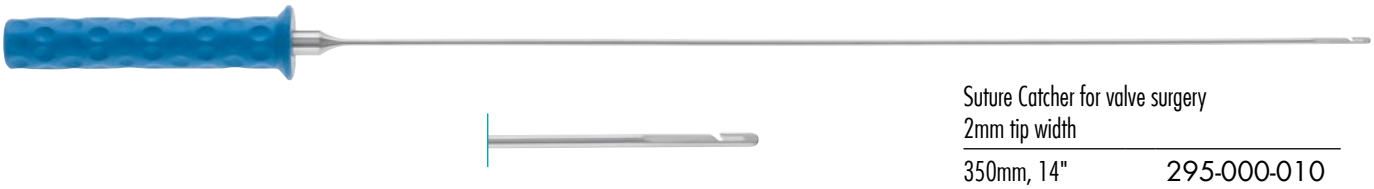
Magnetic Retriever

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



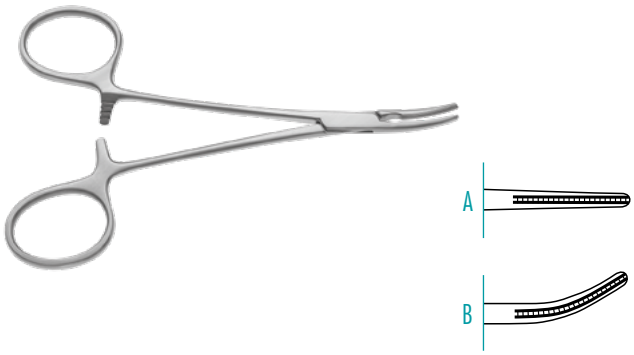
RESANO
∅ 5.0mm shaft, Grasping Forceps
double action, conical shape
without ratchet

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



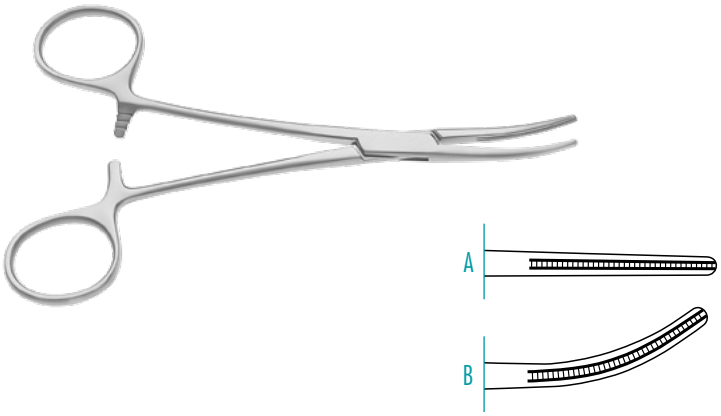
GEMINI
∅ 5.0mm shaft, smooth
double action, curved
without ratchet

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



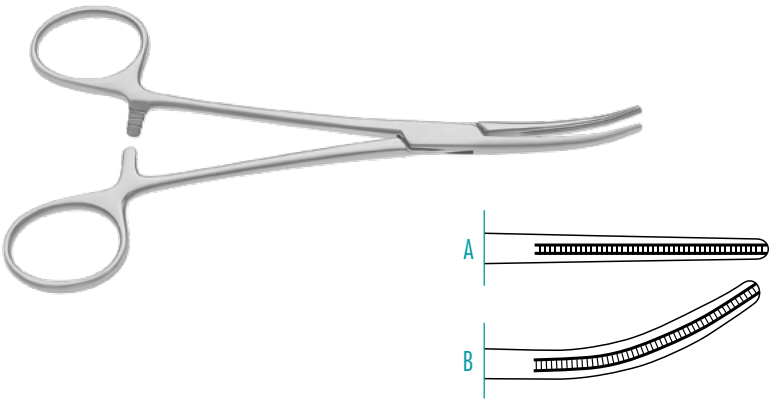
DEBAKEY MOSQUITO
Hemostatic Forceps, 120mm, 4 3/4"

A straight	290-438-120
B curved	290-439-120



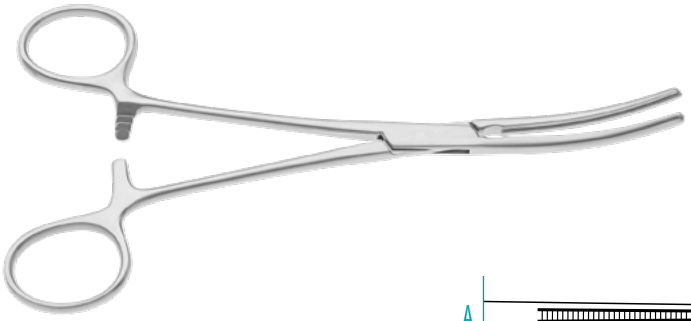
DEBAKEY KELLY
Atraumatic Forceps, 140mm, 5 1/2"

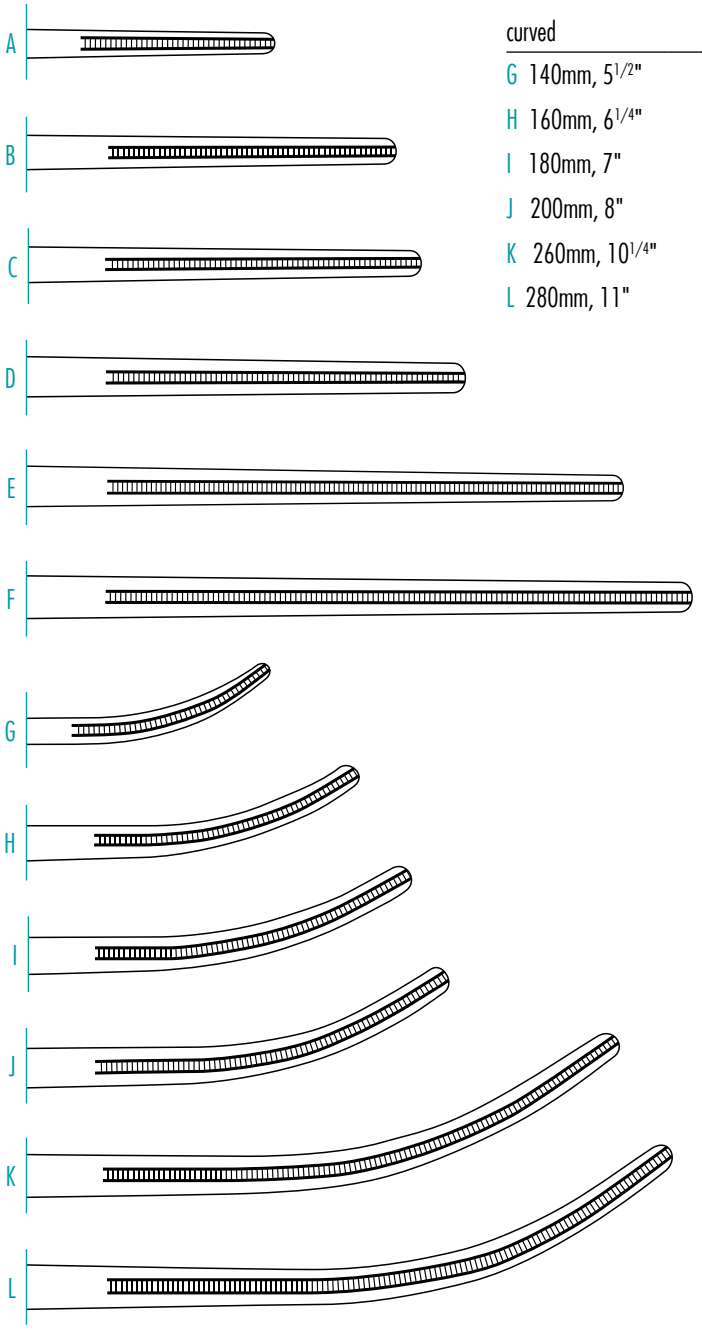
A straight	290-410-140
B curved	290-411-140



DEBAKEY RANKIN
Hemostatic Forceps, 160mm, 6 1/4"

A straight	290-300-160
B curved	290-301-160





DEBAKEY PEAN

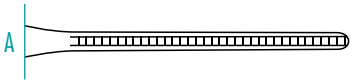
Hemostatic Forceps, straight

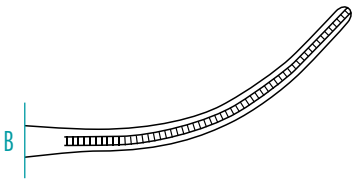
A	140mm, $5^{1/2}$"	290-438-140
B	160mm, $6^{1/4}$"	290-438-160
C	180mm, 7"	290-438-180
D	200mm, 8"	290-438-200
E	260mm, $10^{1/4}$"	290-438-260
F	280mm, 11"	290-438-280

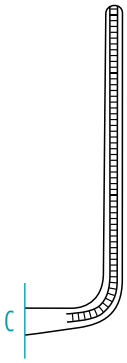
curved

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





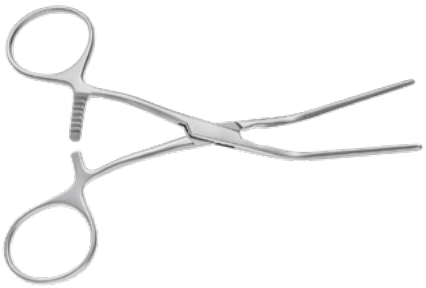


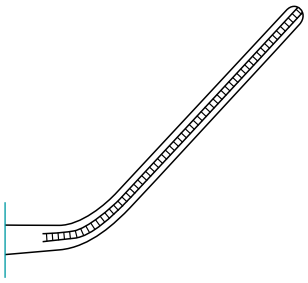


DEBAKEY

Clamp, straight shanks,

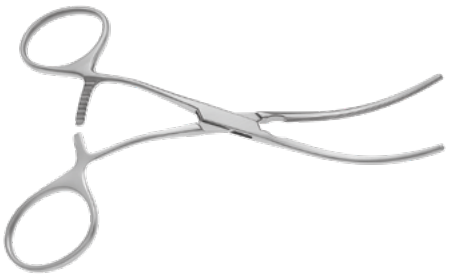
A straight jaw 120mm, 4 3/4"	290-458-120
B curved jaw 110mm, 4 1/3"	290-458-110
C angled jaw 100mm, 4"	290-458-100

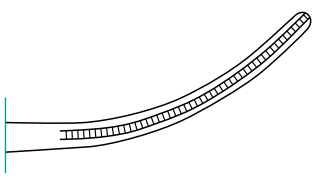




Shanks curved backwards

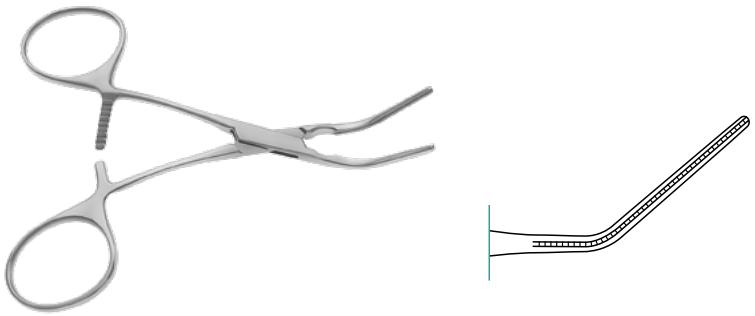
130mm, 5 1/8"	290-459-130





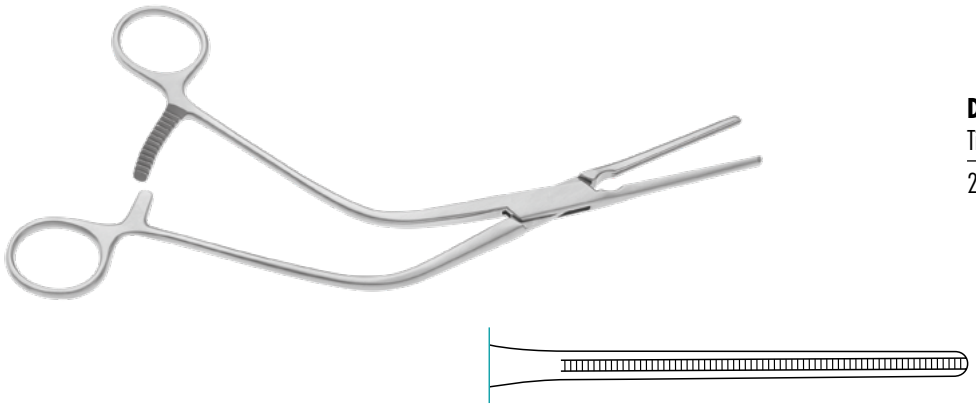
S-curved shanks

125mm, 5"	290-459-120



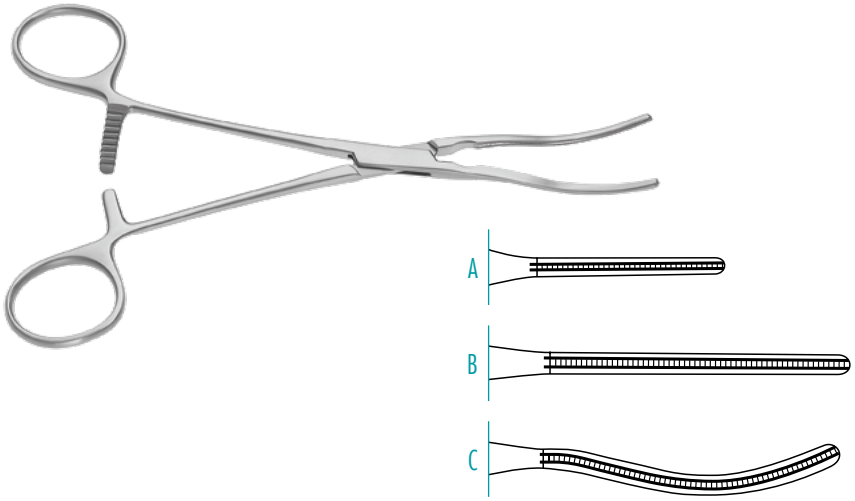
NOON
A.V. Fistula Clamp, 1x2 draft, 50° angled

110mm, $4^{1/3}$"	290-460-110



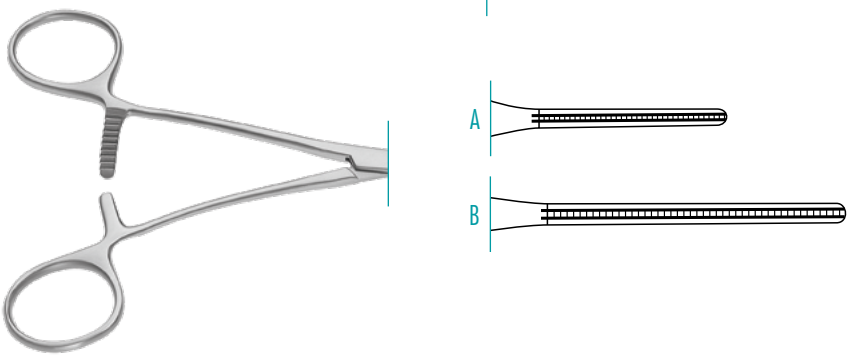
DEMOS
Tibial Artery Clamp, 60° angled shanks

200mm, 8"	290-407-200



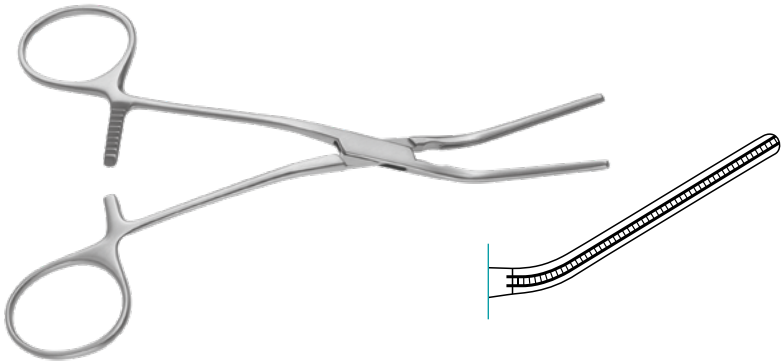
DEBAKEY
Pediatric Forceps, straight shanks

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



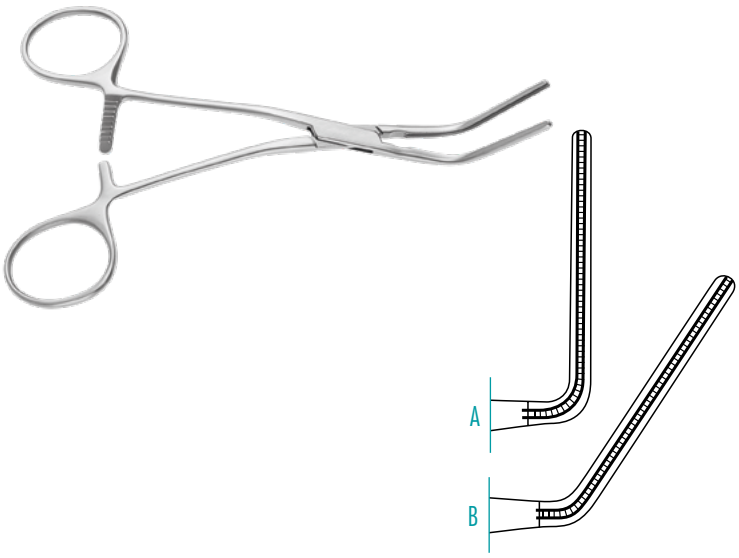
shanks angled forward

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"

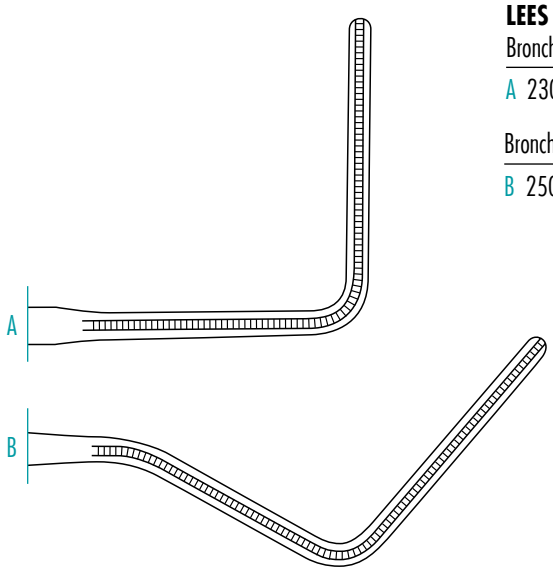
A 90°	290-445-150
B 60°	290-443-150



SAROT
Bronchus Clamp with pins, 230mm, 9"

Teeth left	290-237-230
Teeth right	290-238-230



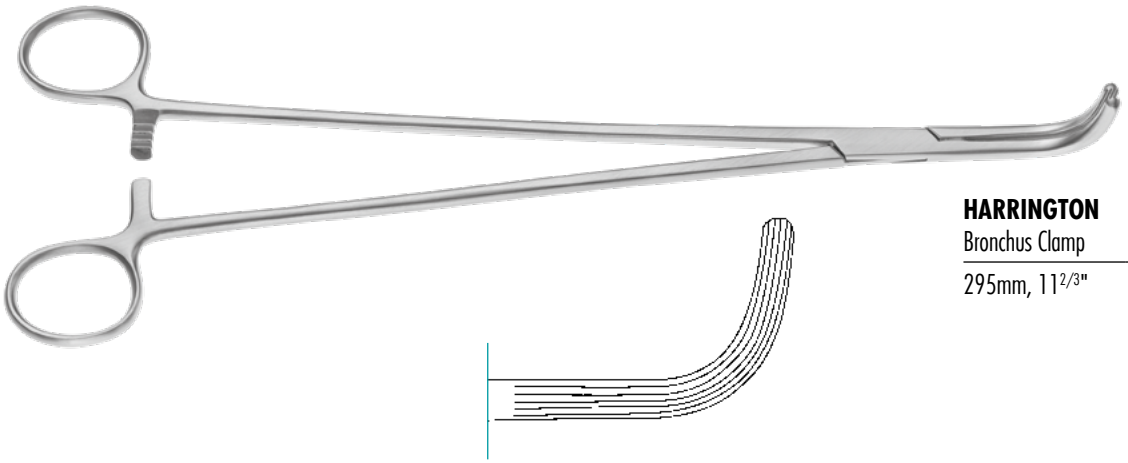


LEES
Bronchus Clamp

A 230mm, 9"	290-427-230

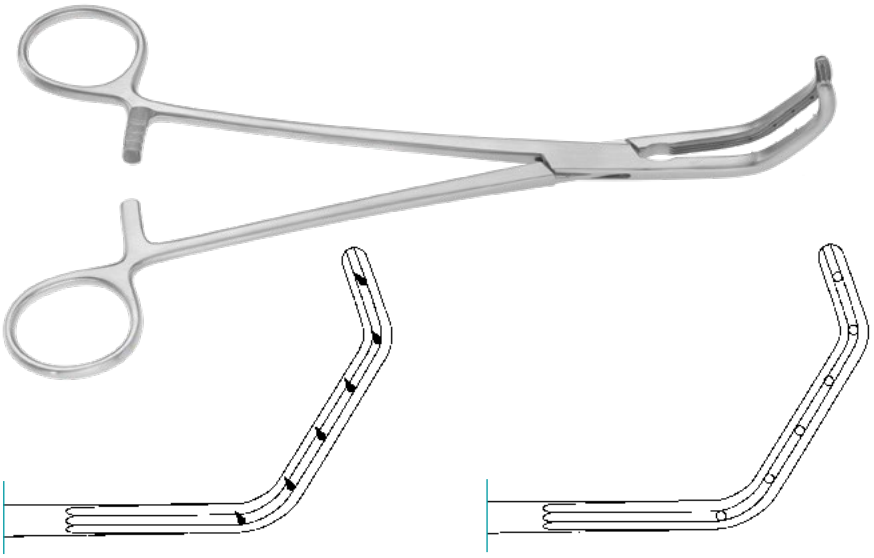
Bronchus Clamp

B 250mm, $9^{7/8}$"	290-429-250



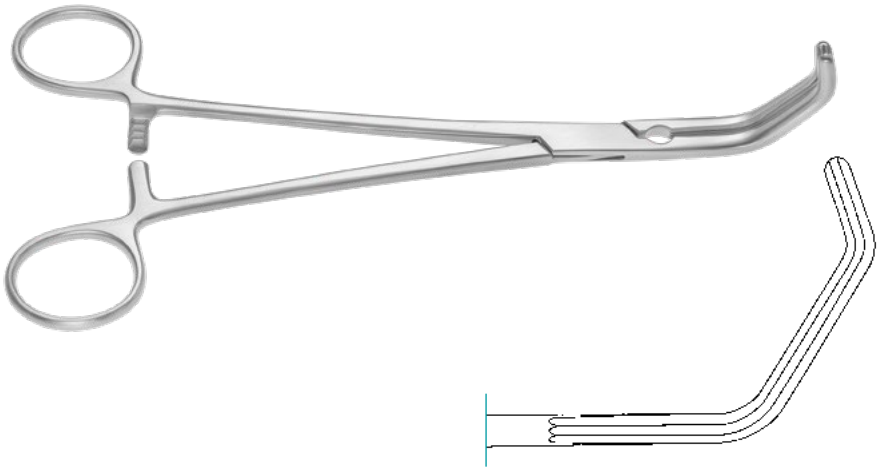
HARRINGTON
Bronchus Clamp

295mm, $11^{2/3}$"	290-271-295



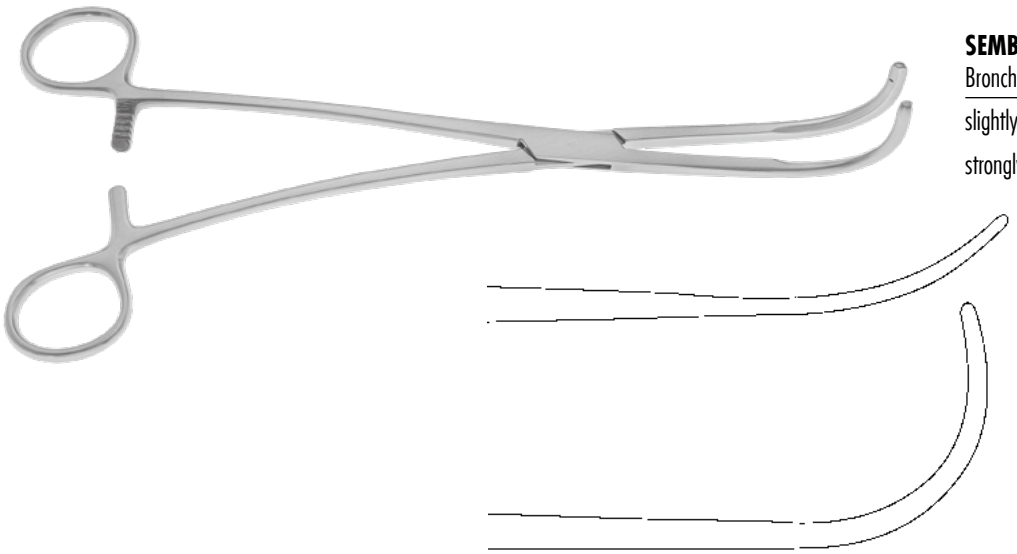
PRICE THOMAS
Bronchus Forceps, 220mm, $8^{2/3}$"

Fig. 1, teeth left	290-245-220
Fig. 2, teeth right	290-247-220



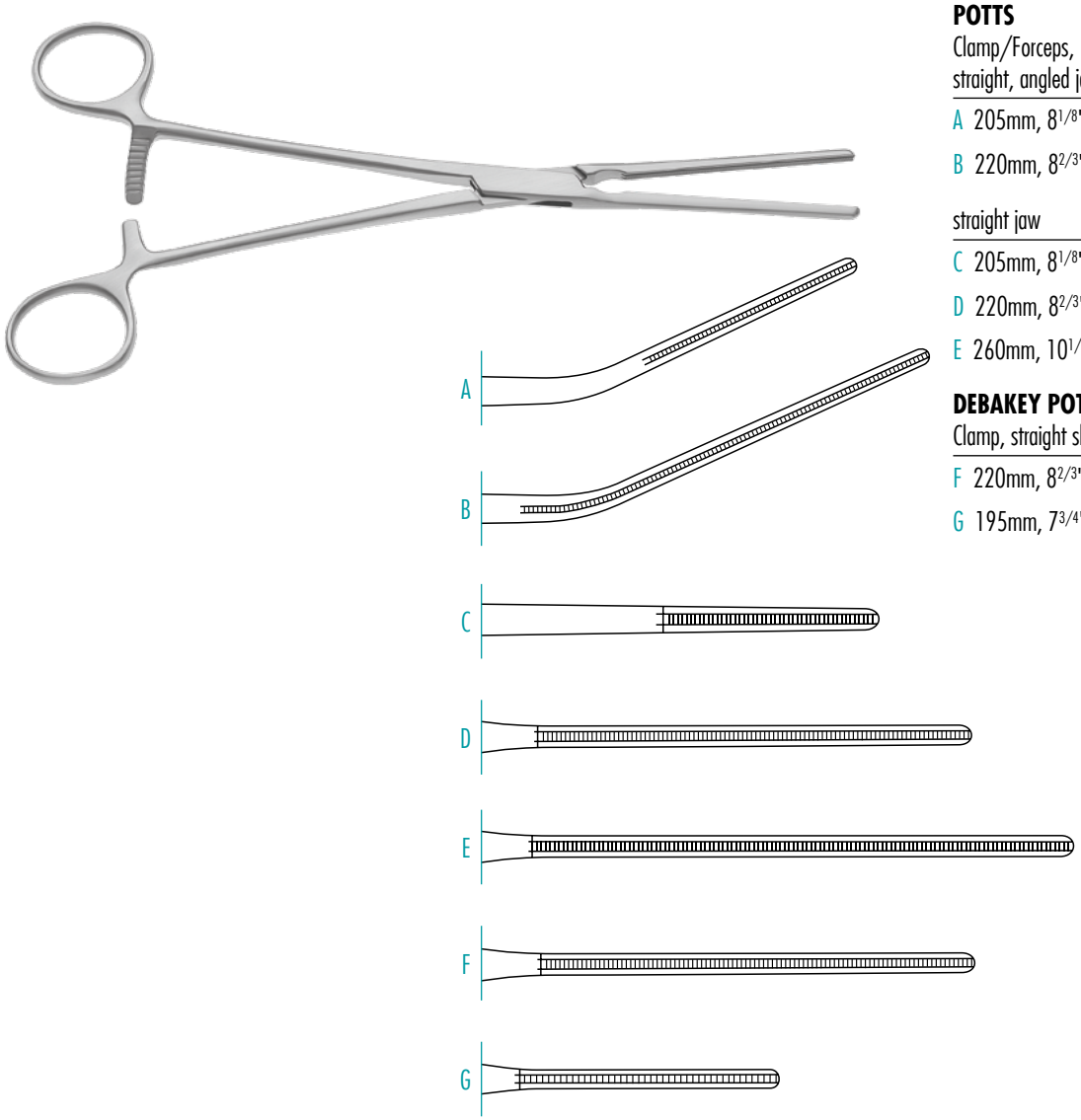
PRICE THOMAS
Bronchus Forceps

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
Clamp/Forceps,
straight, angled jaw

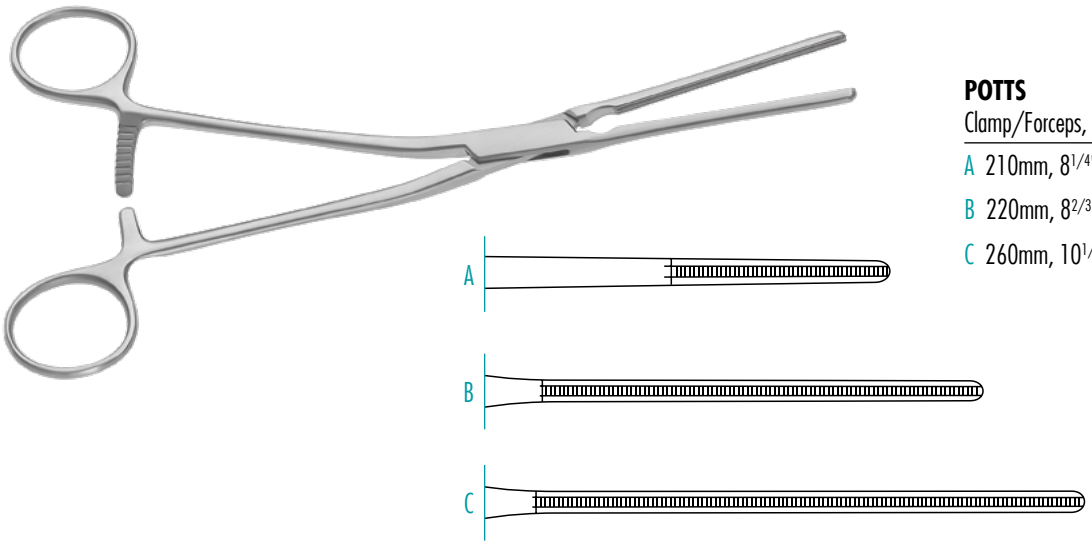
A 205mm, 8 1/8"	290-401-210
B 220mm, 8 2/3"	290-401-220

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

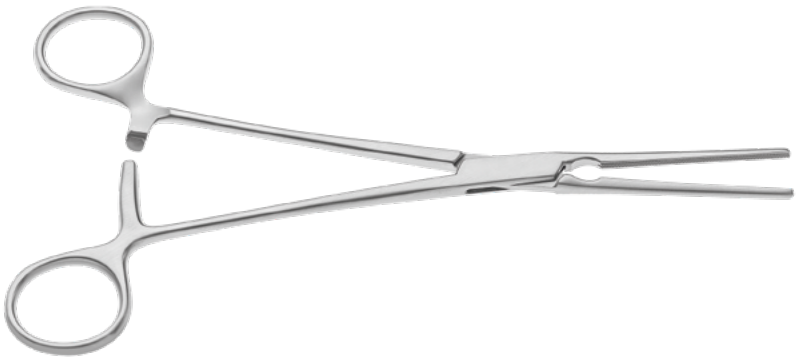
DEBAKEY POTTS
Clamp, straight shanks

F 220mm, 8 2/3"	290-400-225
G 195mm, 7 3/4"	290-400-195



POTTS
Clamp/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



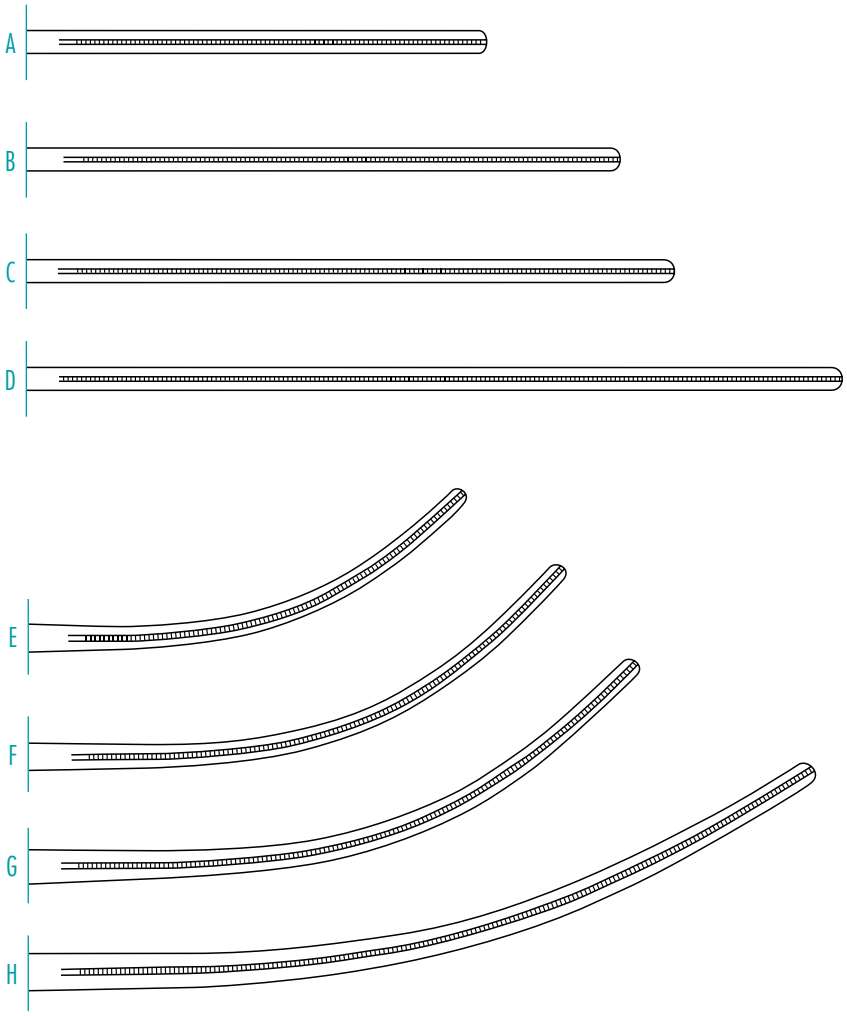
DEBAKEY

Clamp, straight jaw

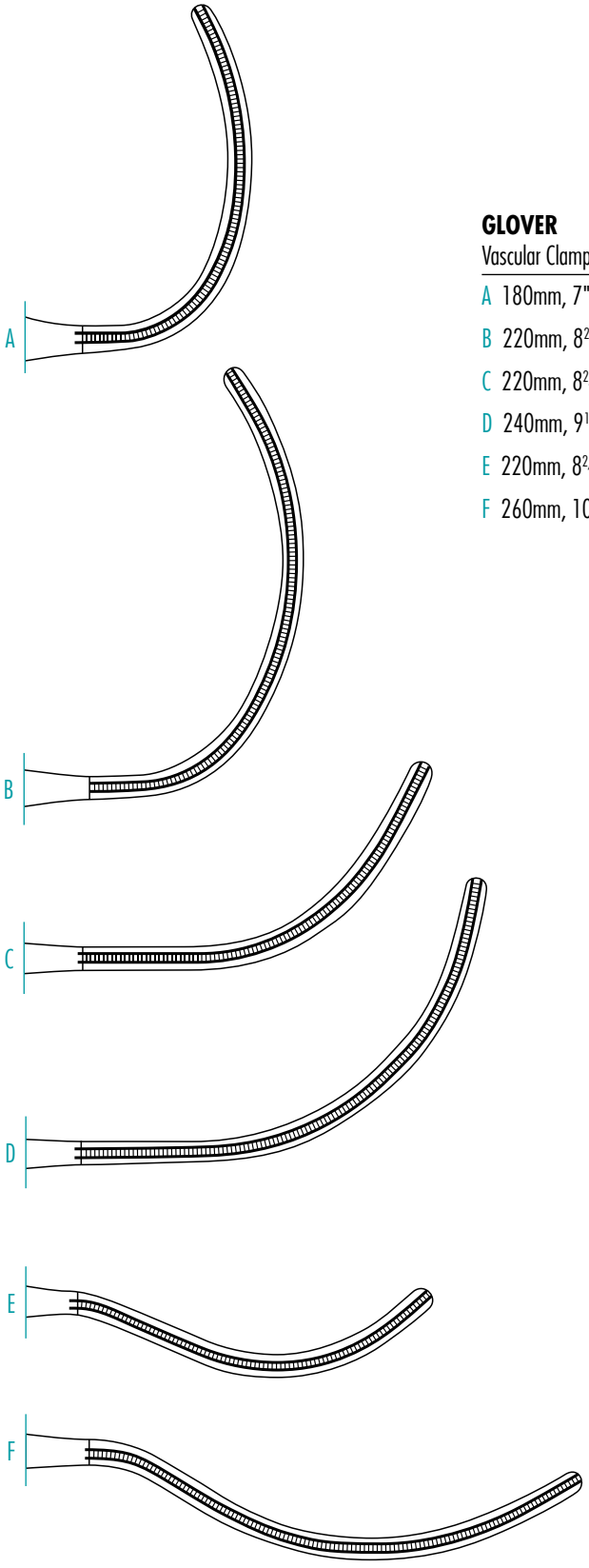
A	215mm, $8^{1/2}$"	290-434-210
B	230mm, 9"	290-434-230
C	270mm, $10^{2/3}$"	290-434-270
D	315mm, $12^{1/2}$"	290-434-310

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

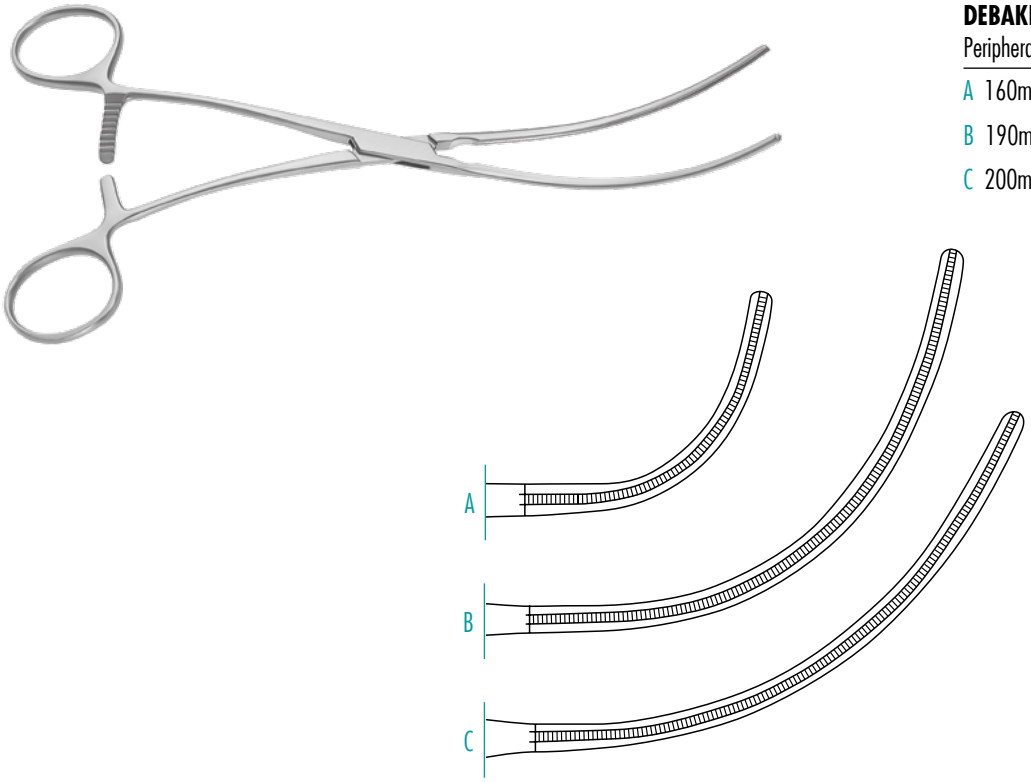






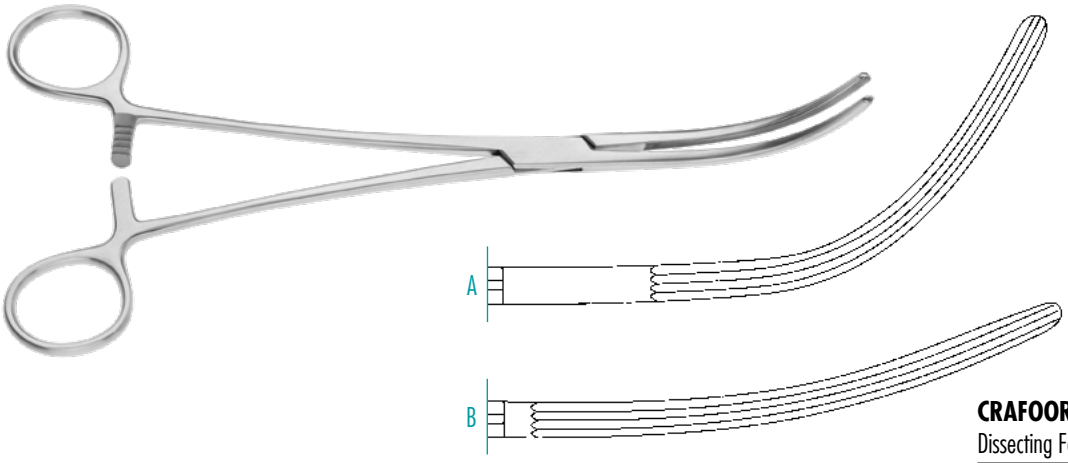
GLOVER
Vascular Clamp

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



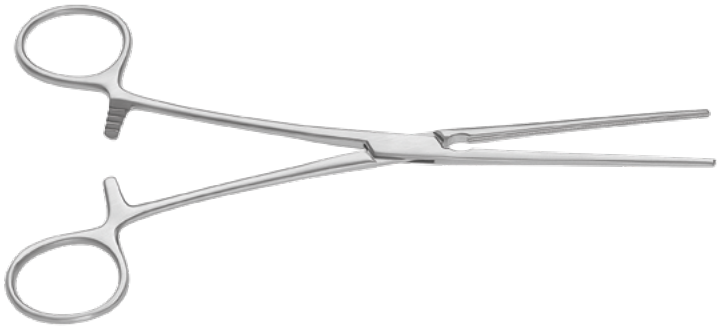
DEBAKEY
Peripheral Vascular Clamp

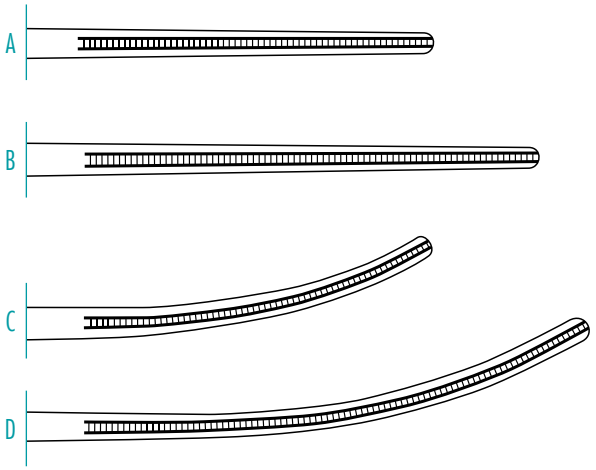
A	160mm, 6 1/4"	290-409-160
B	190mm, 7 1/2"	290-411-190
C	200mm, 8"	290-411-200



CRAFOORD SELLORS
Dissecting Forceps

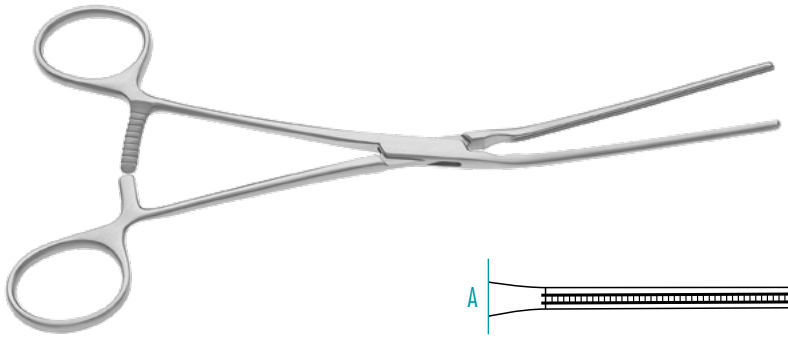
A	230mm, 9"	140-383-230
B	240mm, 9 1/2"	140-385-240

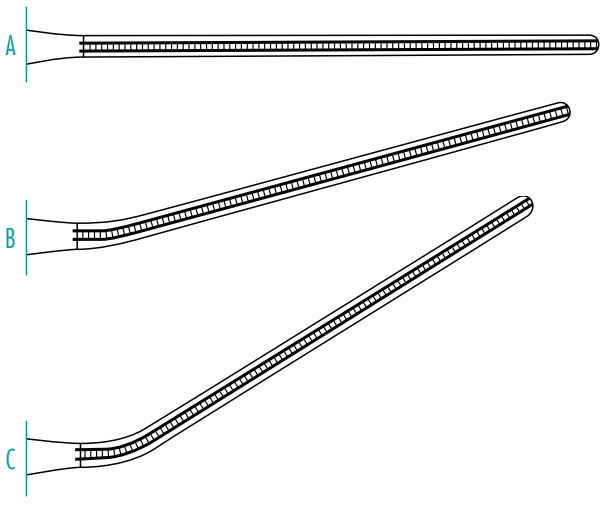




DEBAKEY BAINBRIDGE
Vascular Forceps

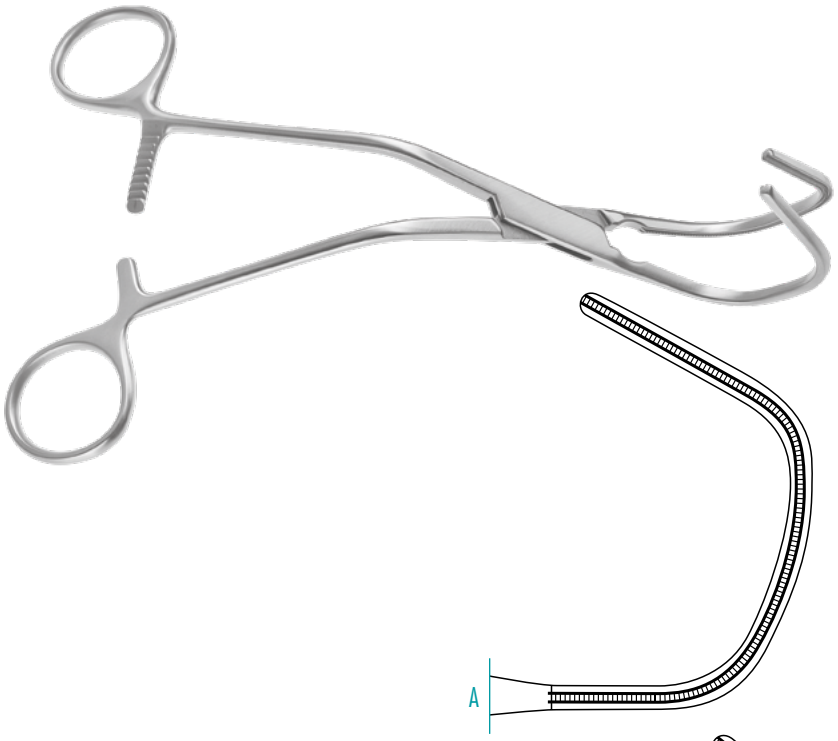
A	150mm, 6"	290-414-150
B	180mm, 7"	290-414-180
C	150mm, 6"	290-415-150
D	180mm, 7"	290-415-180





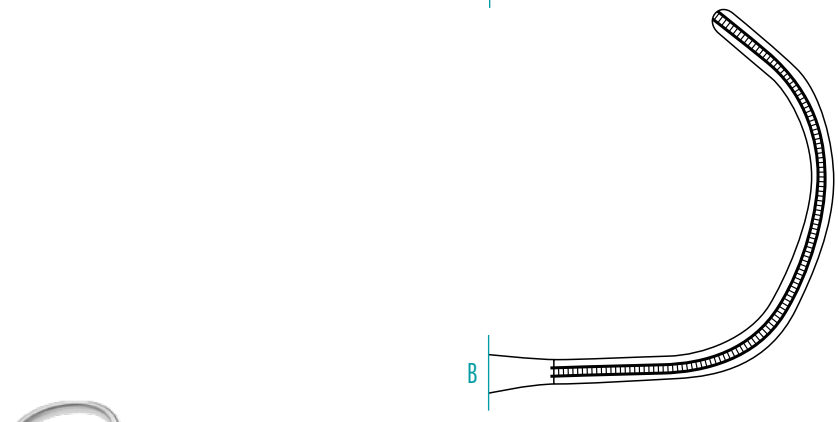
LELAND JONES
Peripheral Vascular Forceps, straight

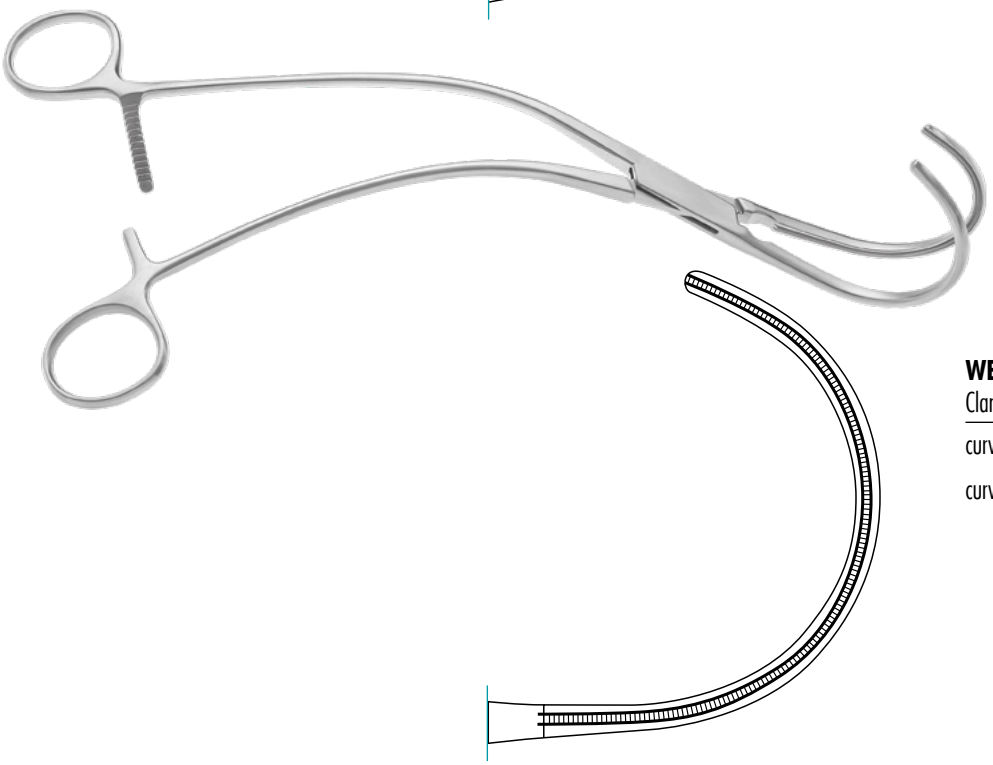
A	200mm, 8"	290-413-195
15° angled		
B	200mm, 8"	290-413-200
30° angled		
C	190mm, 7 1/2"	290-413-190



KAY LAMBERT
Clamp

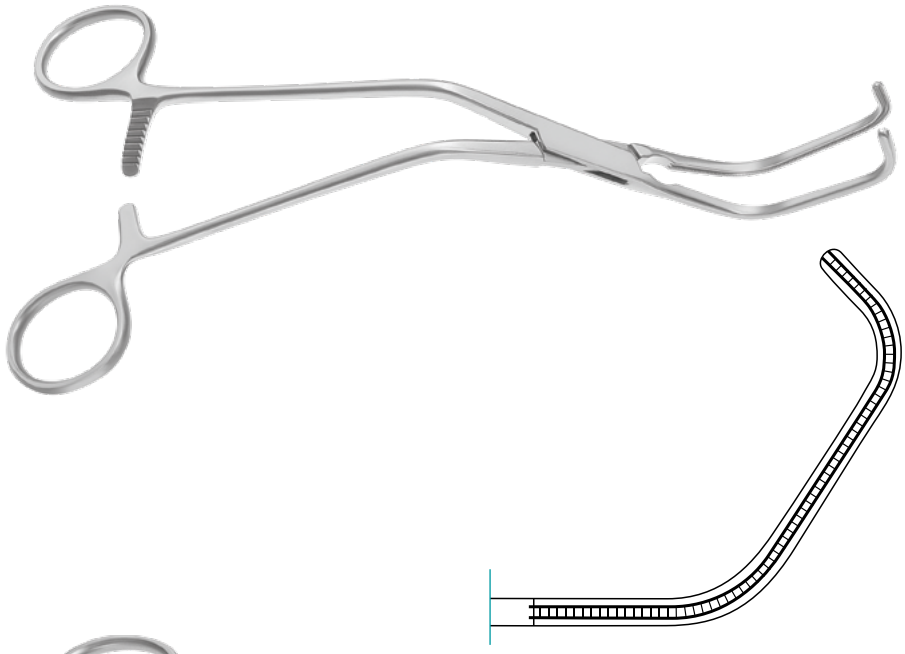
A 220mm, $8^{2/3}$"	290-430-220
B 210mm, $8^{1/4}$"	290-430-210





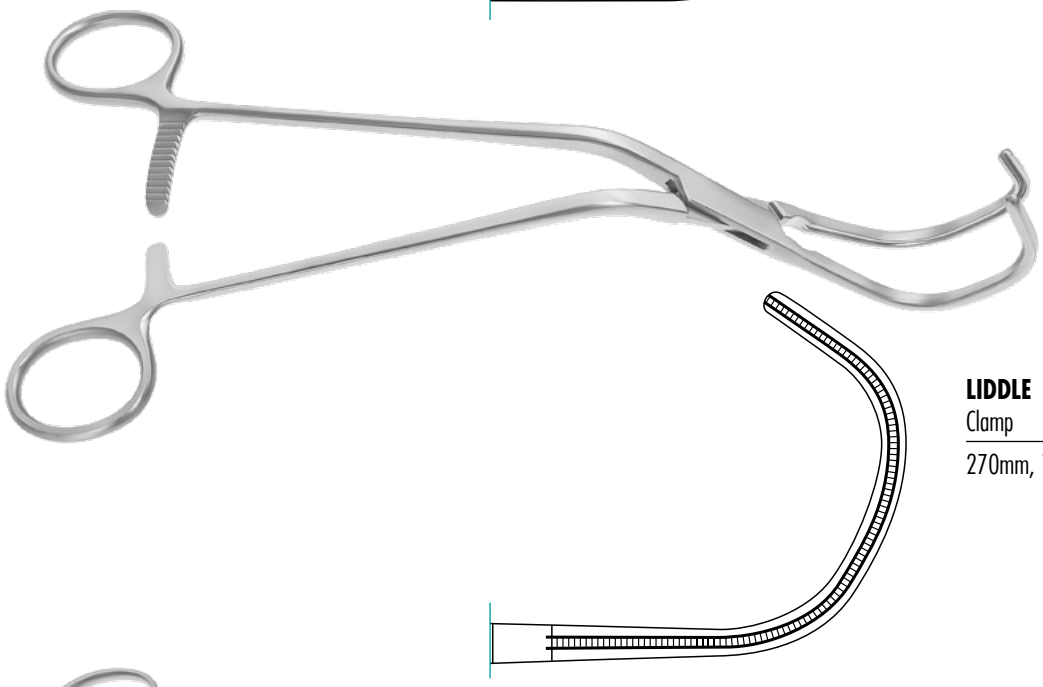
WEBER
Clamp, 260mm, $10^{1/4}$"

curved left	290-424-001
curved right	290-424-002



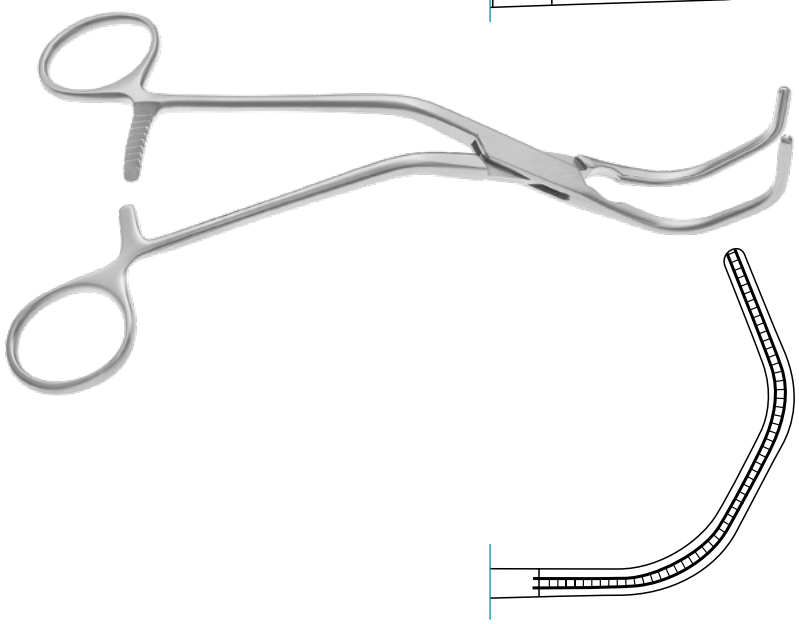
OCHSNER
Clamp

235mm, $9^{1/4}$"	290-317-230



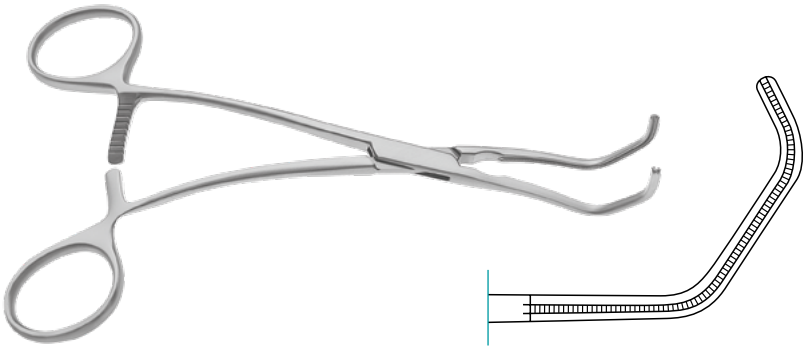
LIDDLE
Clamp

270mm, $10^{2/3}$"	290-318-270



DIETHRICH
Clamp

210mm, $8^{1/4}$"	290-319-210



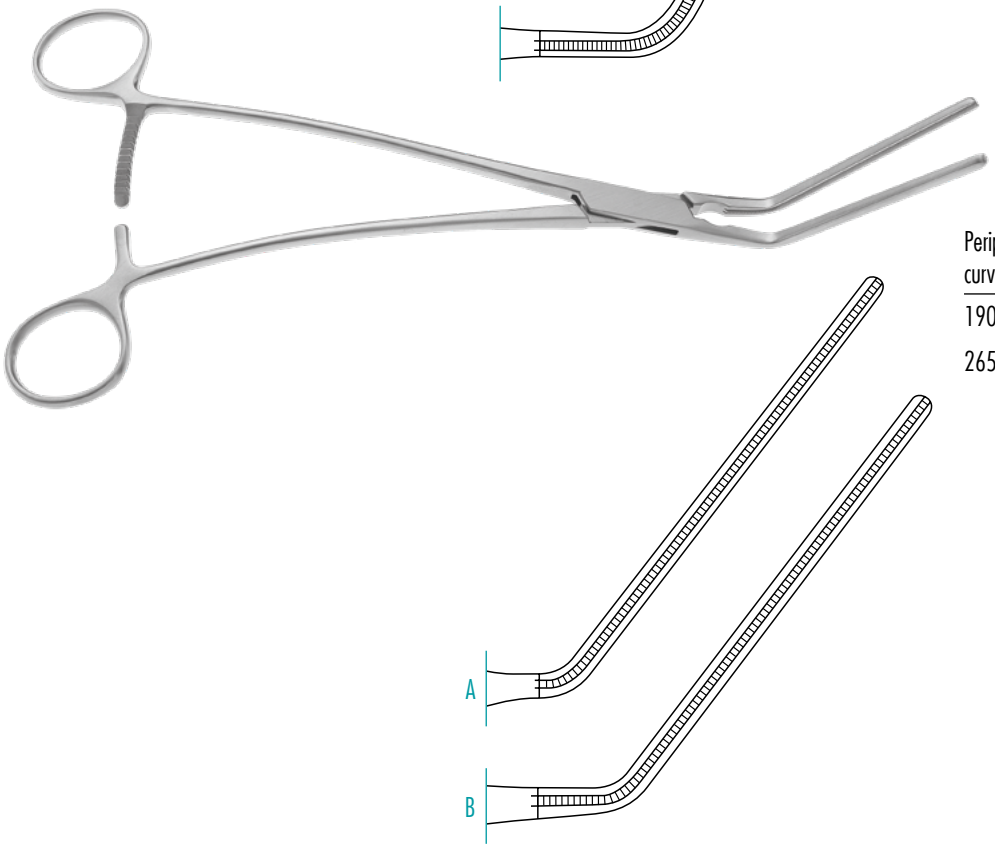
HONGKONG DERRA
Vascular Clamp

170mm, $6^{2/3}$"	290-432-170



BEIJING SATINSKY
Vascular Clamp

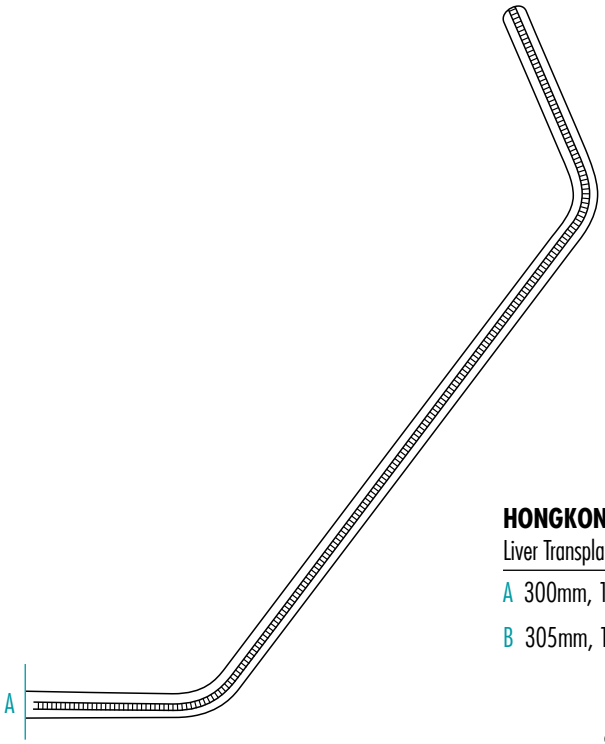
225mm, $8^{7/8}$"	290-425-220

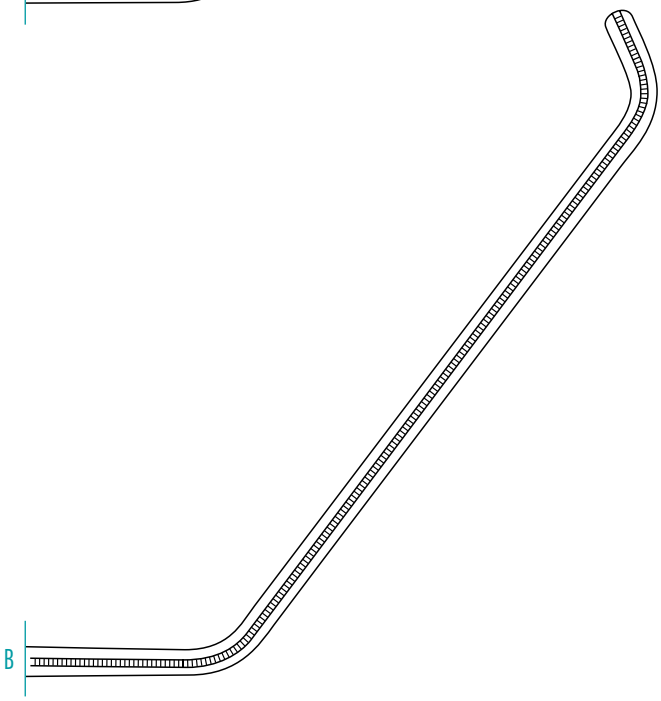


Peripheral Vascular Clamp
curved shanks, angled jaw

190mm, $7^{1/2}$"	290-402-190
265mm, $10^{1/2}$"	290-402-260

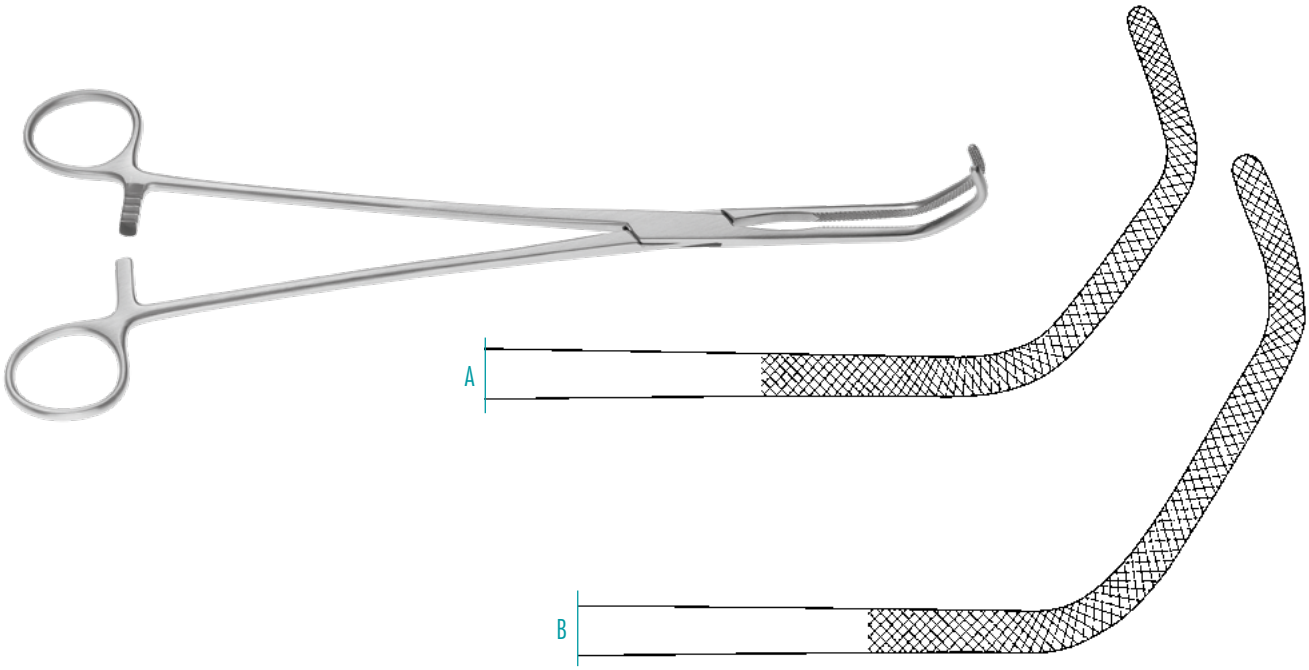






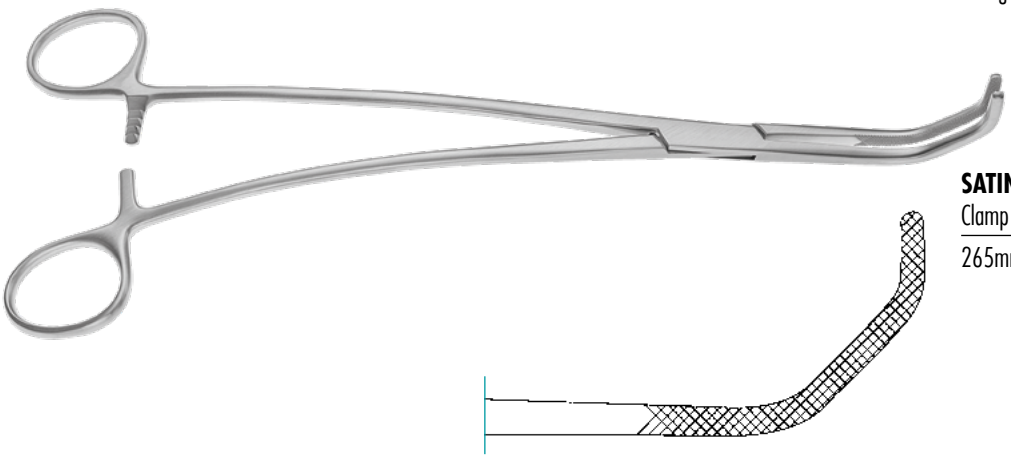
HONGKONG SATINSKY
Liver Transplant Clamp

A	300mm, 11 7/8"	290-426-300
B	305mm, 12"	290-426-305



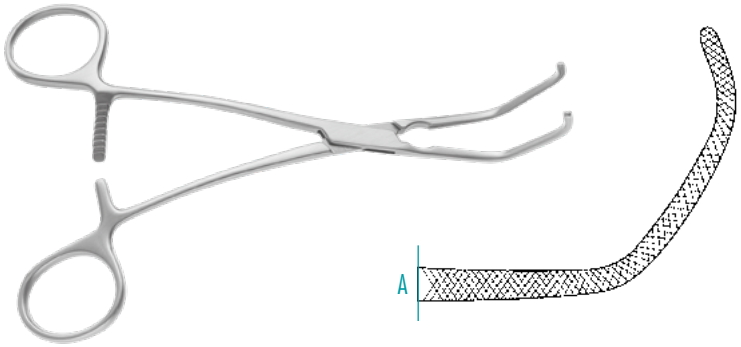
SATINSKY
Anastomosis Clamp, 260mm, 10 1/4"

A Fig. 1	290-321-260
B Fig. 2	290-323-260



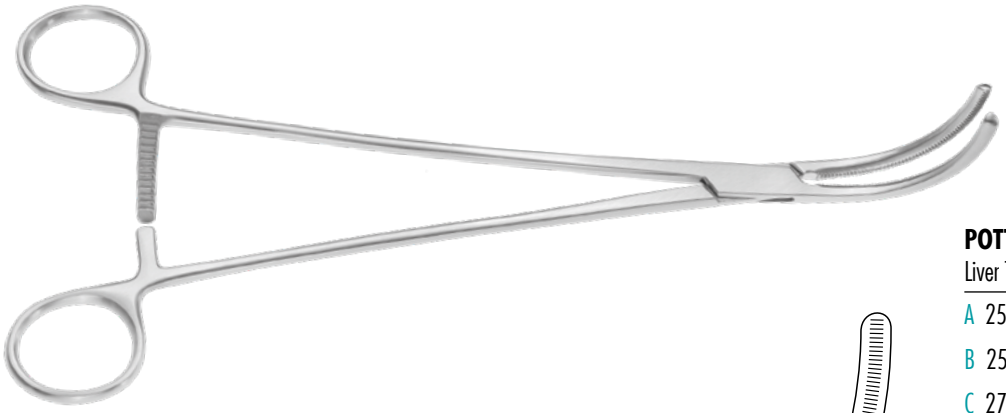
SATINSKY
Clamp S, Fig. 1

265mm, 10 1/2"	290-325-260



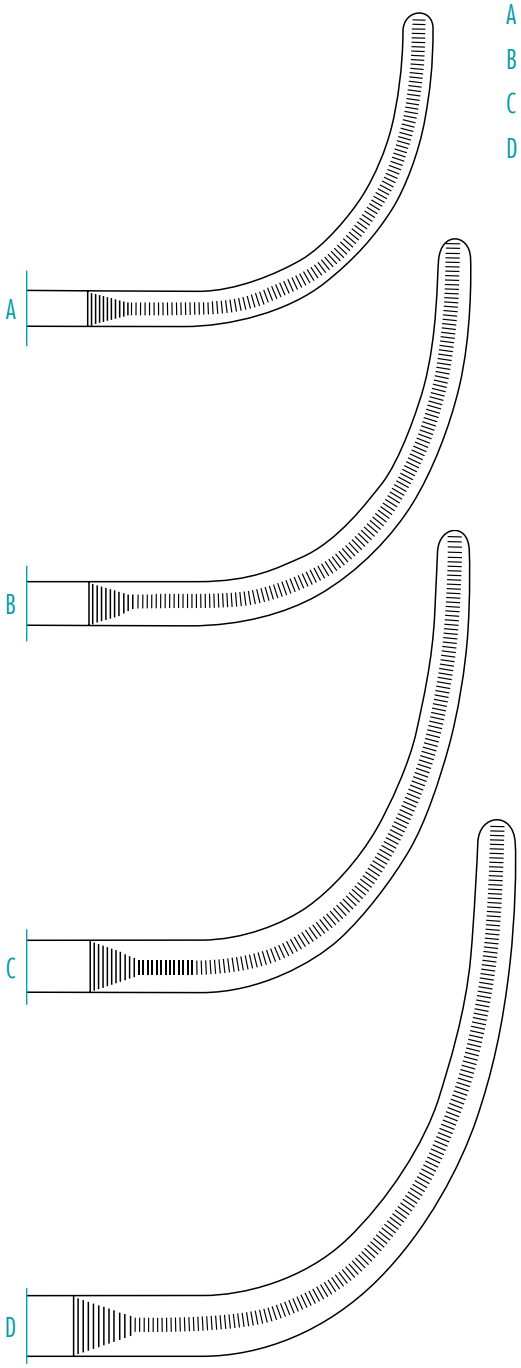
SATINSKY
Anastomosis Clamps, curved

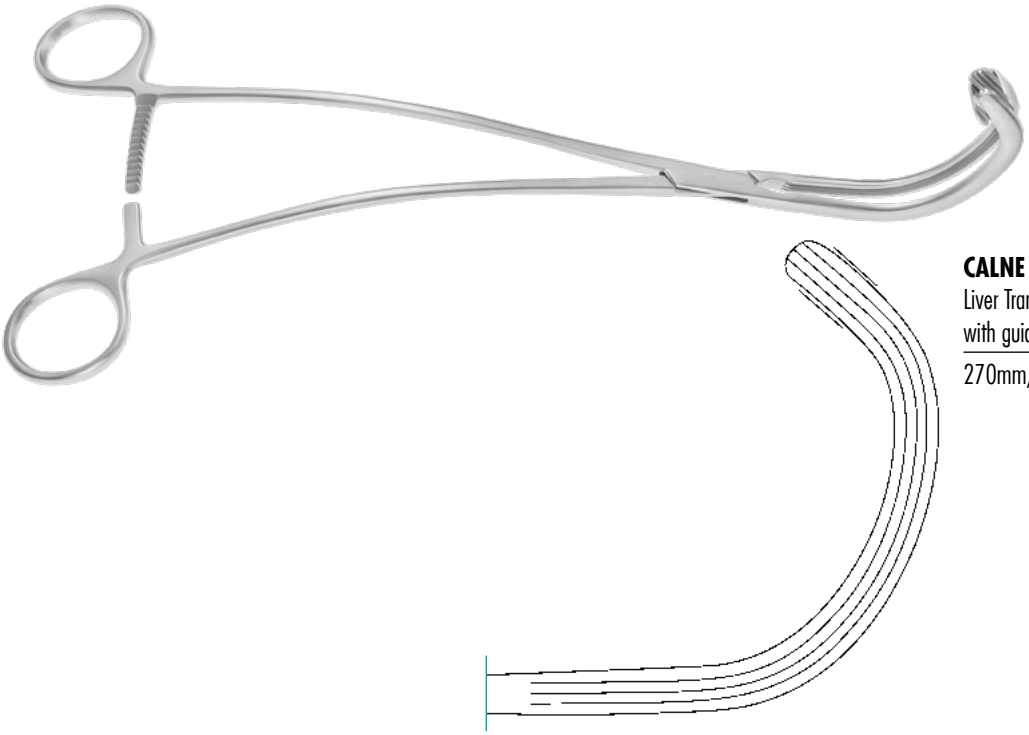
150mm, 6"	290-331-150



POTTS
Liver Transplant Clamp

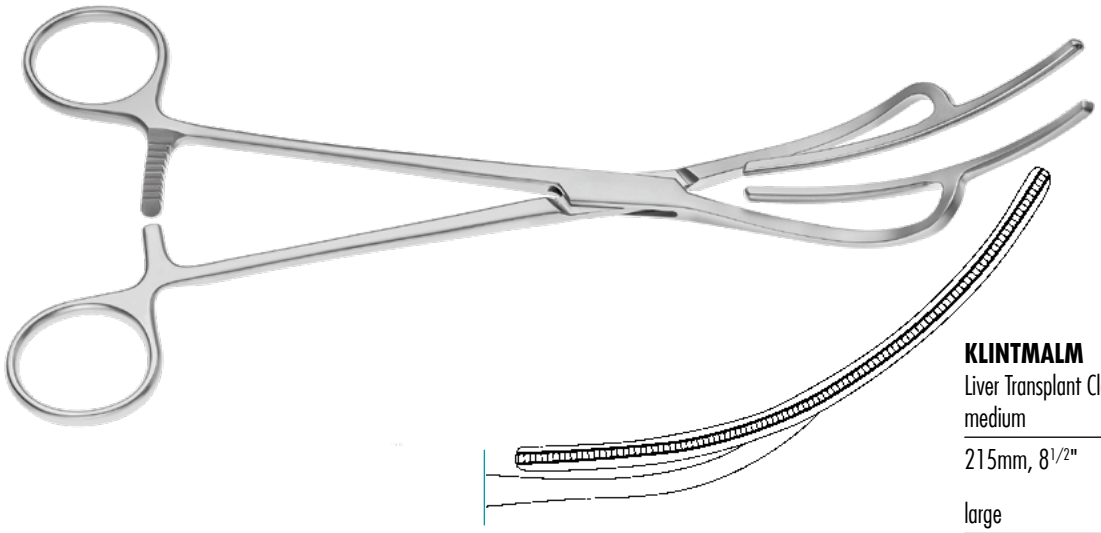
A	255mm, 10"	290-755-255
B	255mm, 10"	290-756-255
C	270mm, 10 2/3"	290-757-270
D	280mm, 11"	290-758-280





CALNE
Liver Transplant Clamp
with guide lock, DeBakey jaws

270mm, $10^{2/3}$"	290-418-270

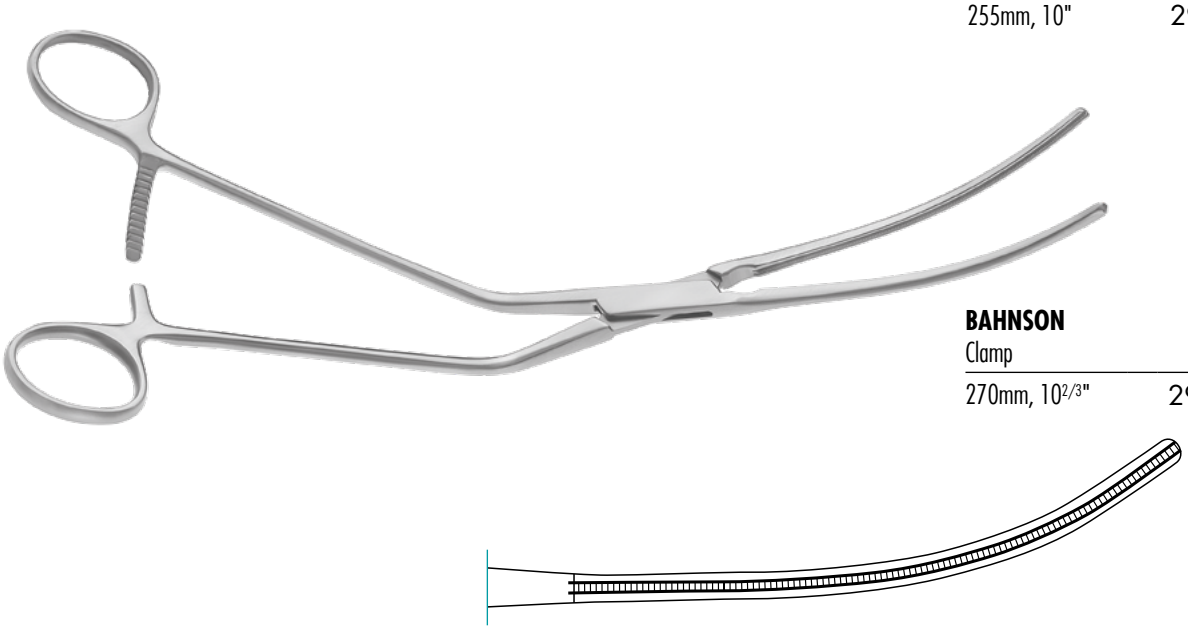


KLINTMALM
Liver Transplant Clamp
medium

215mm, $8^{1/2}$"	290-680-215

large

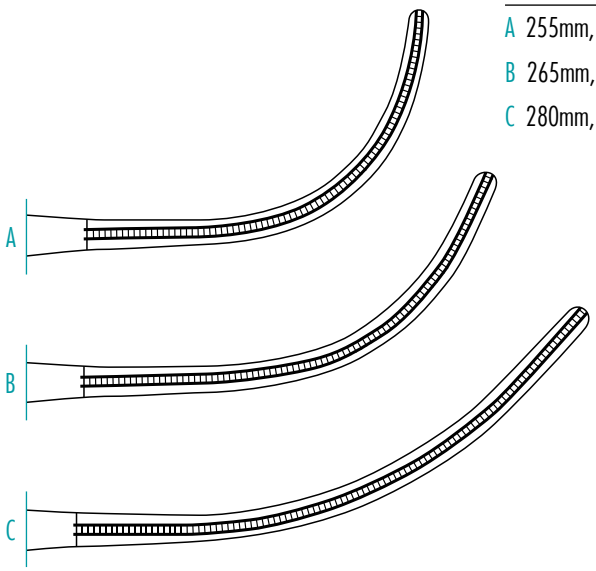
255mm, 10"	290-695-255



BAHNSON
Clamp

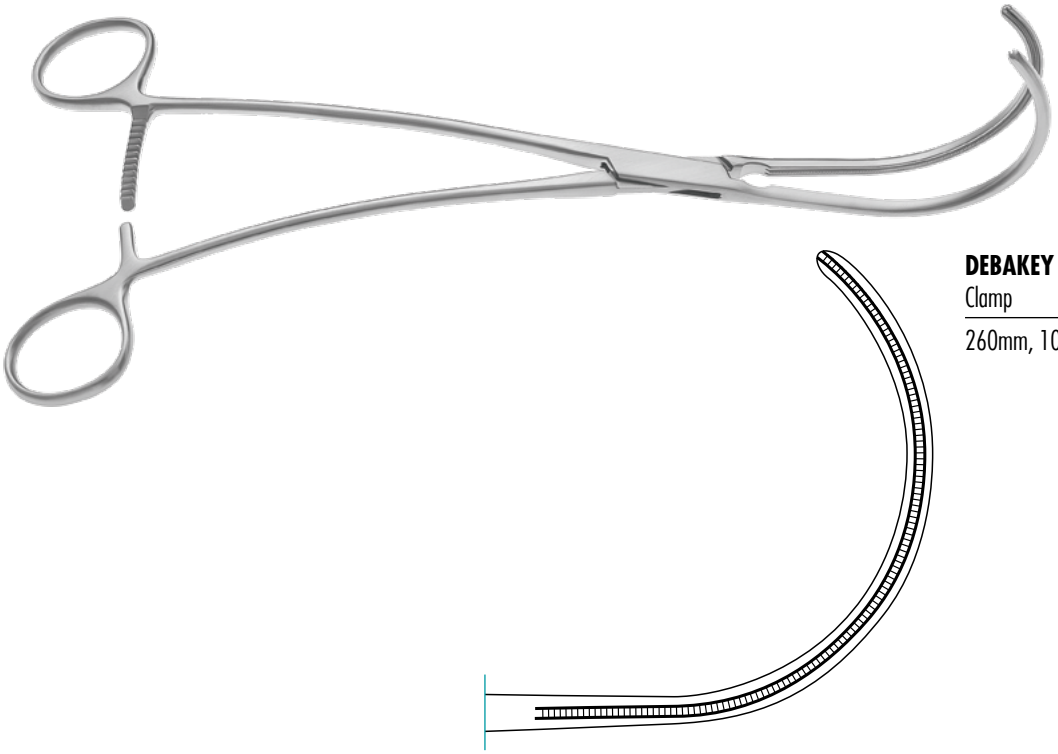
270mm, $10^{2/3}$"	290-418-280





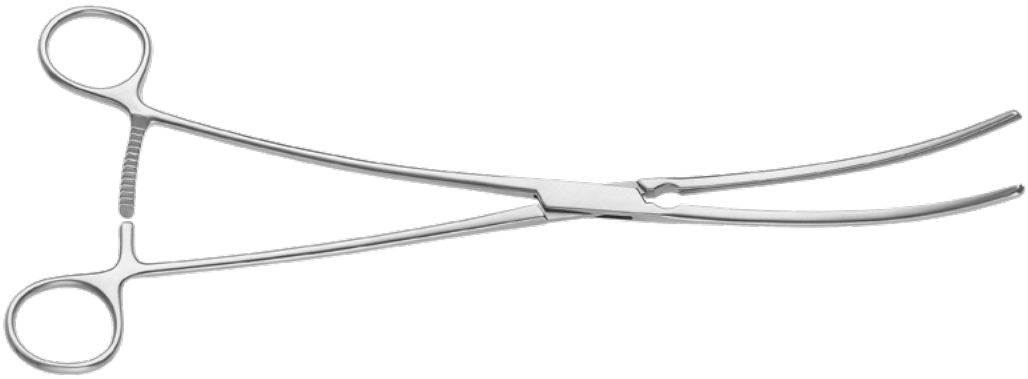
DEBAKEY BAHNSON
Clamp

A 255mm, 10"	290-433-230
B 265mm, $10^{1/2}$"	290-433-250
C 280mm, 11"	290-433-270

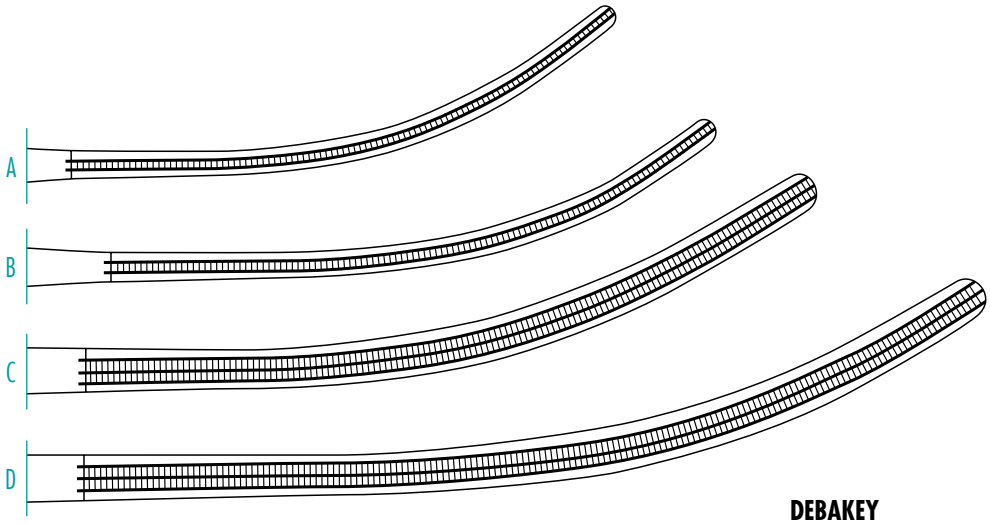


DEBAKEY
Clamp

260mm, $10^{1/4}$"	290-423-260







DEBAKEY

Clamp, c-curved,
1x2 teeth

A 260mm, 10 1/4"	290-417-260
B 270mm, 10 2/3"	290-417-300

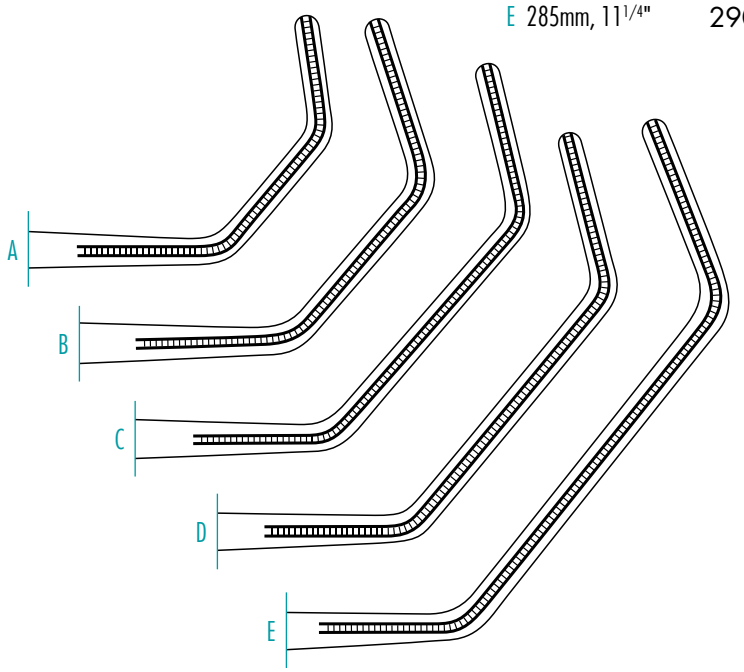
2x3 teeth

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

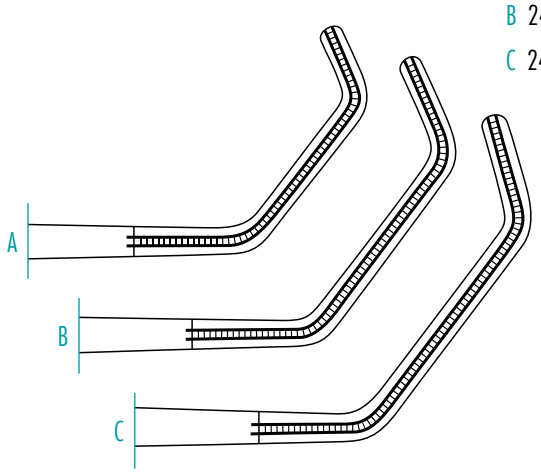




SATINSKY
Tangential Clamp

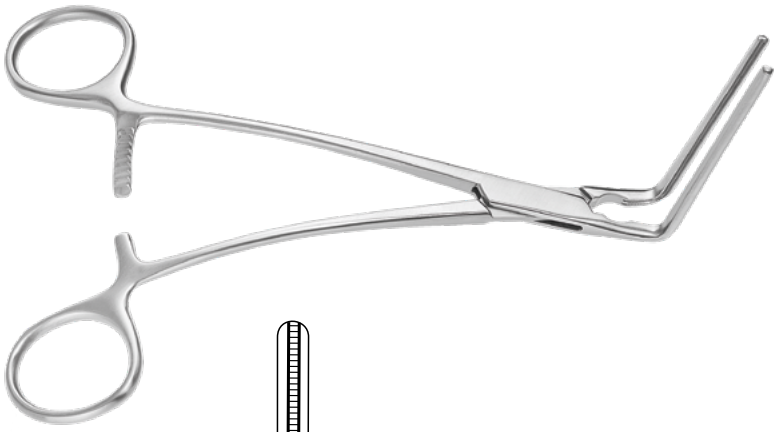
A	200mm, 8"	290-425-200
B	240mm, 9 1/2"	290-425-240
C	250mm, 9 7/8"	290-425-250
D	265mm, 10 1/2"	290-425-260
E	285mm, 11 1/4"	290-425-275





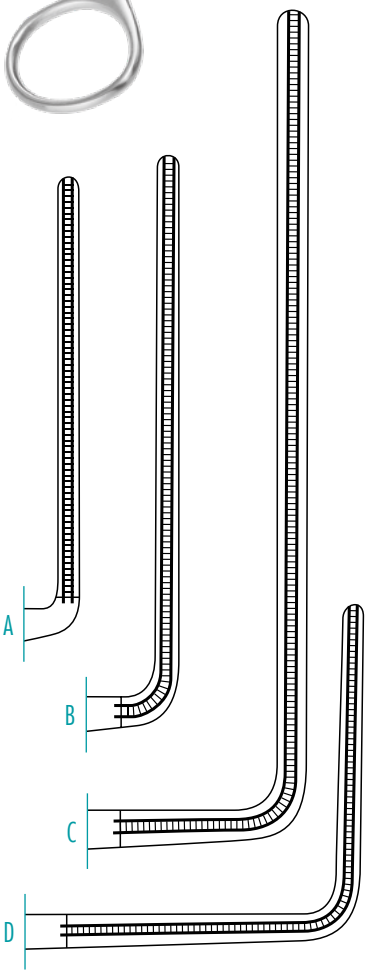
SATINSKY
Tangential Occlusion Clamp

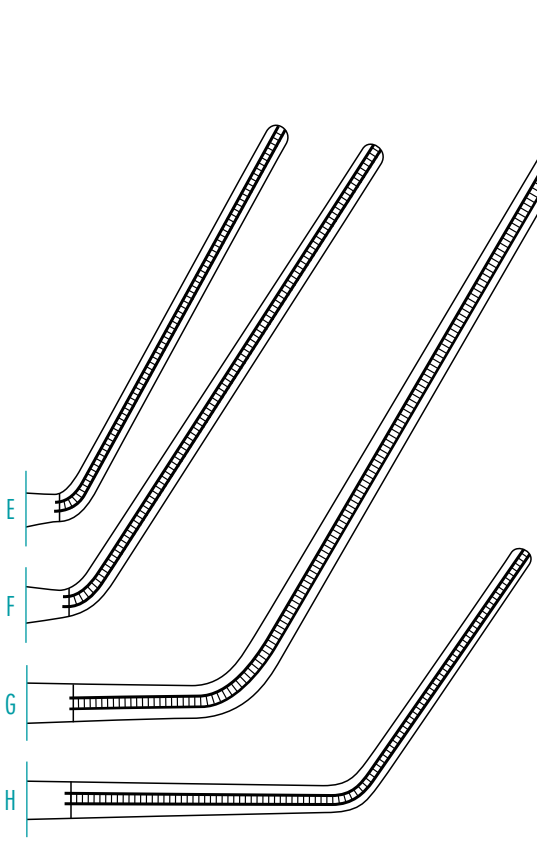
A	235mm, 9 1/4"	290-511-235
B	240mm, 9 1/2"	290-511-240
C	245mm, 9 2/3"	290-511-245

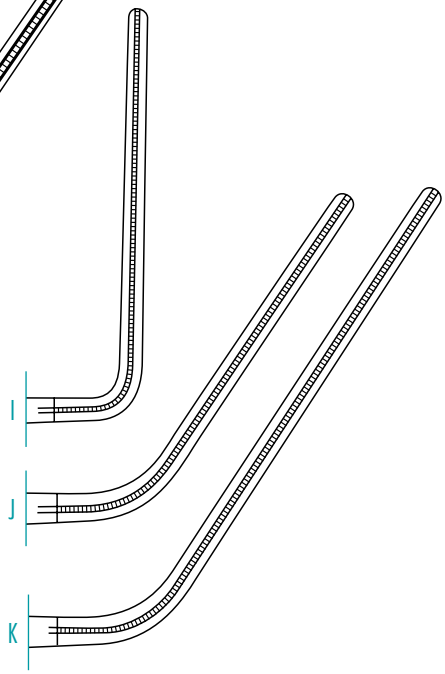


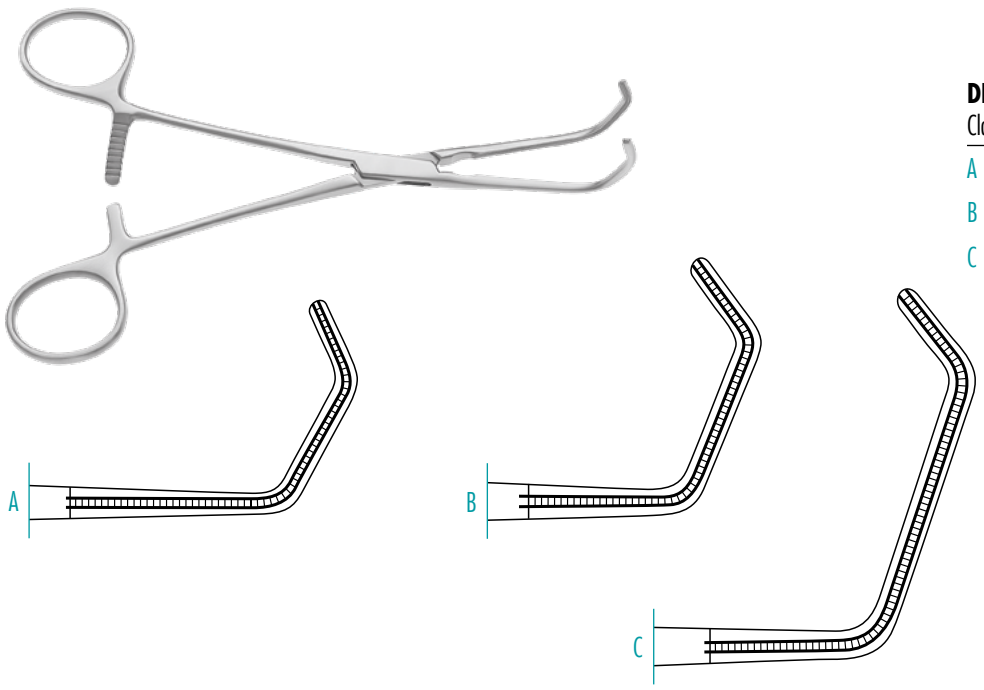
DEBAKEY
Multi-Purpose Clamps

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



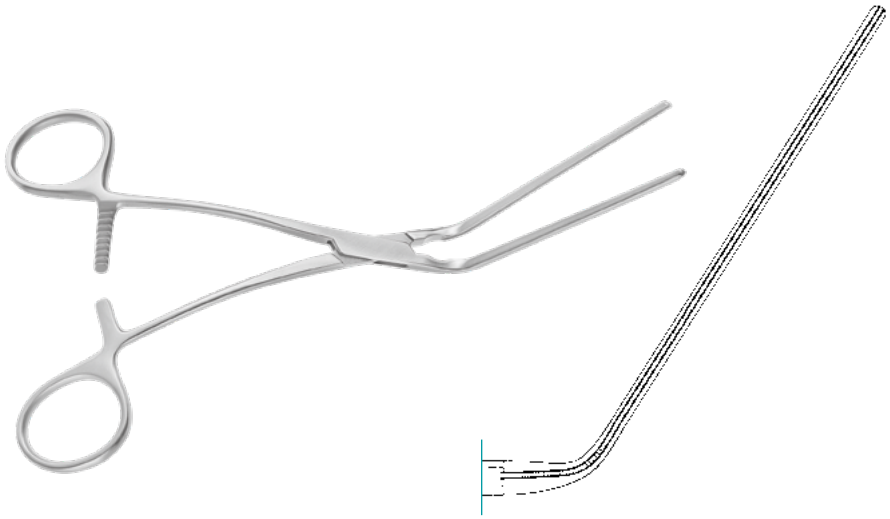






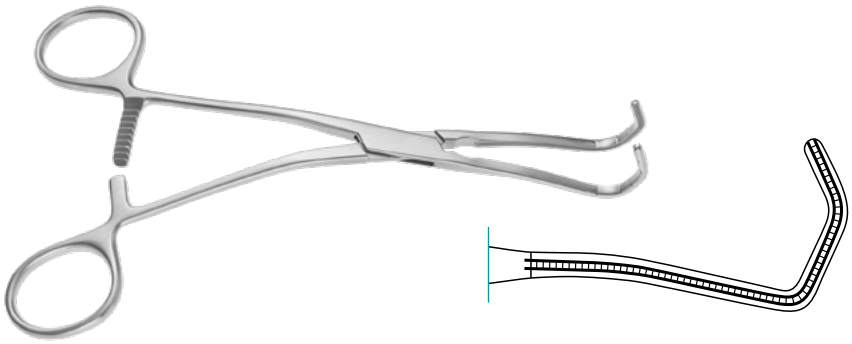
DEBAKEY BECK
Clamp

A 170mm, $6^{2/3}$"	290-457-170
B 195mm, $7^{3/4}$"	290-457-190
C 210mm, $8^{1/4}$"	290-457-210



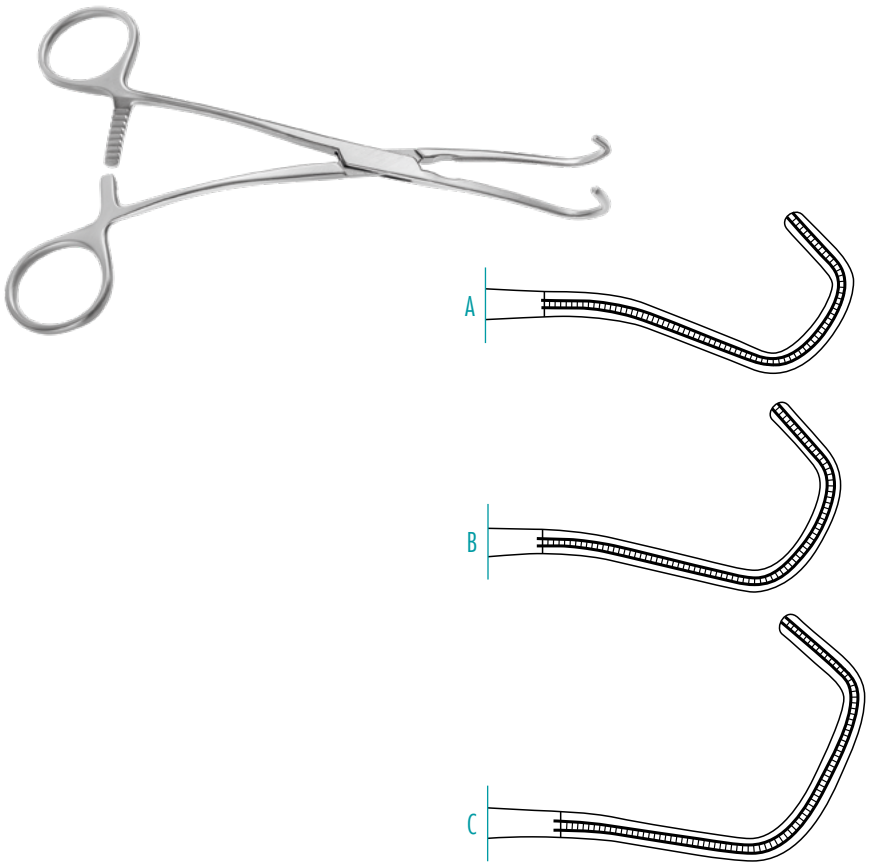
LELAND JONES
Peripheral Vascular Clamps,
shanks curved backwards,
60° angled backwards

180mm, 7"	290-413-180



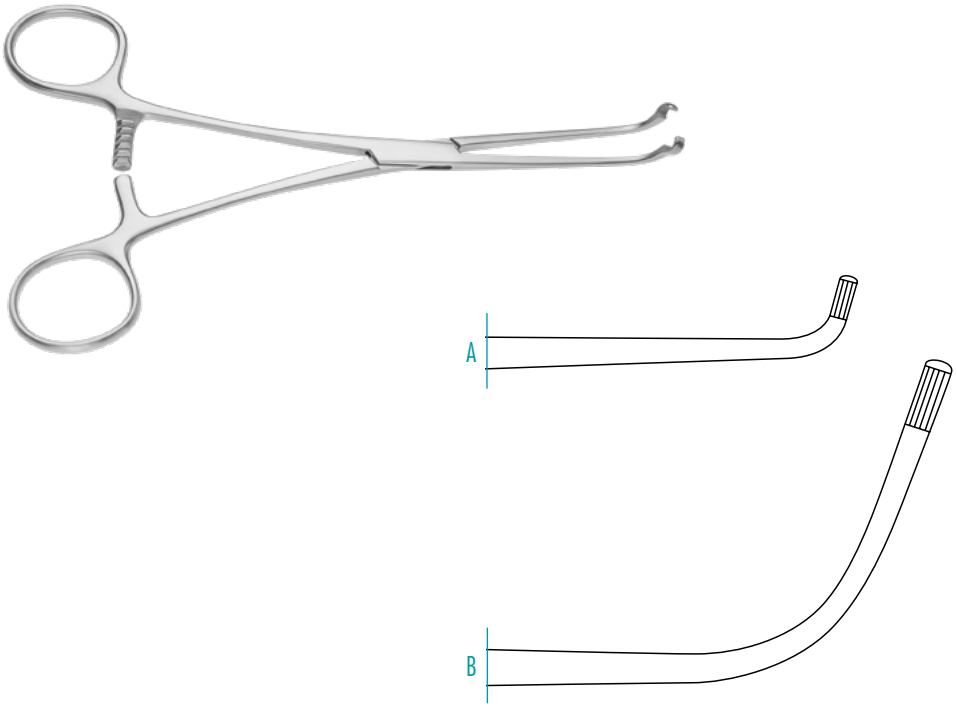
DEBAKEY
Anastomosis Clamp

170mm, $6^{2/3}$"	290-431-170



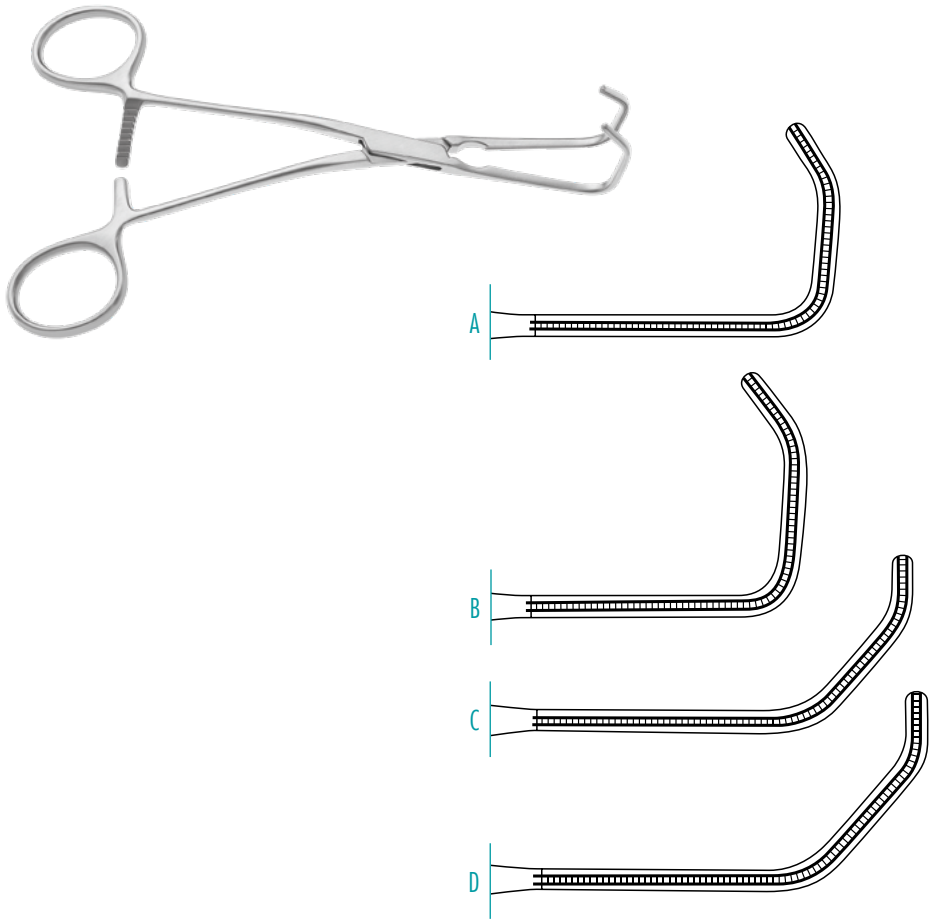
DEBAKEY DERRA
Anastomosis Clamp

A	160mm, $6^{1/4}$"	290-456-160
B	170mm, $6^{2/3}$"	290-456-170
C	180mm, 7"	290-456-180



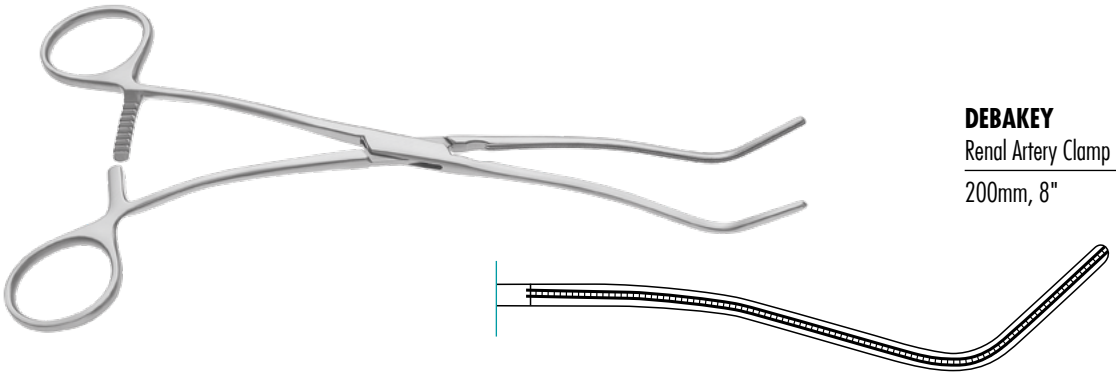
JAVID
Clamp, 180mm, 7"

A	290-343-180
B	290-343-190



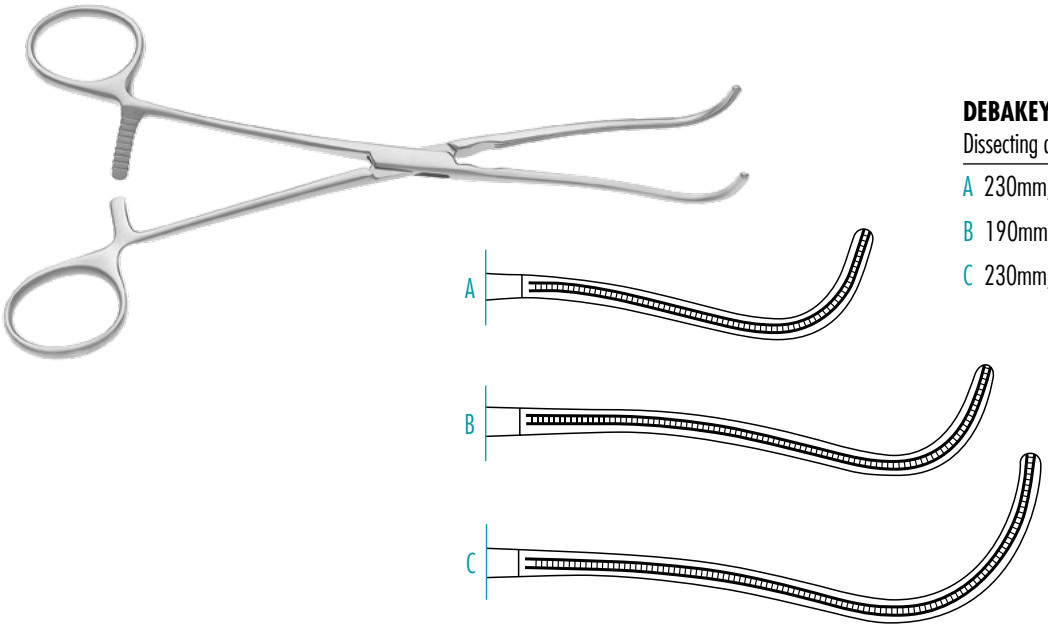
DEBAKEY REYNOLDS
Anastomosis Clamp

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



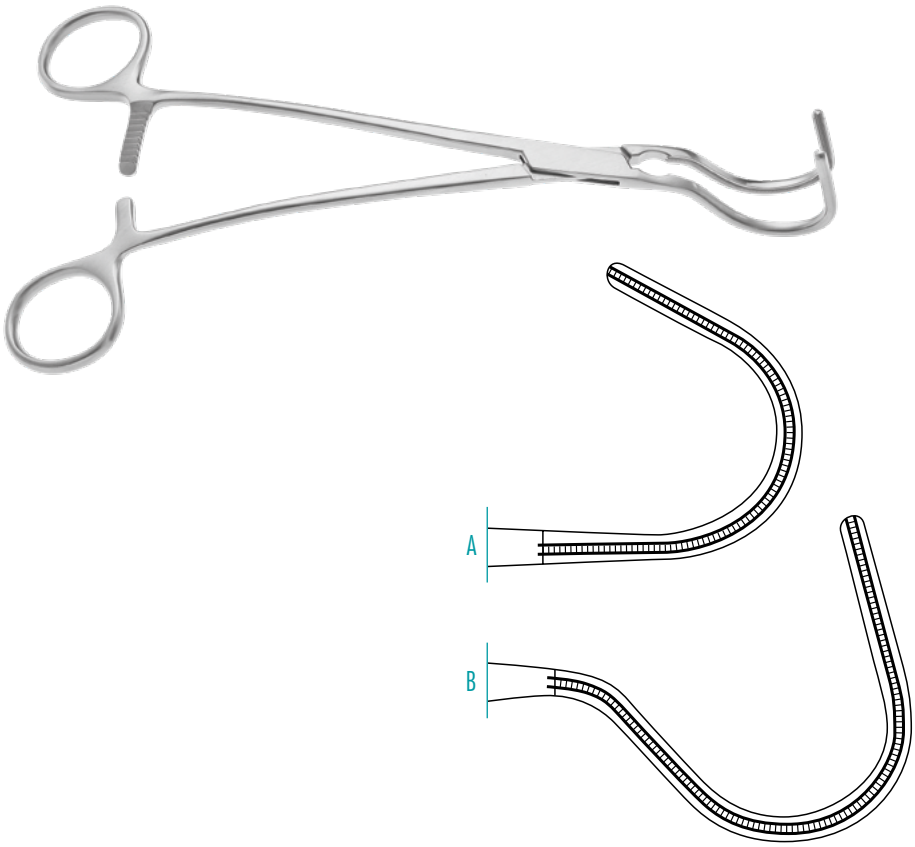
DEBAKEY
Renal Artery Clamp

200mm, 8"	290-416-200



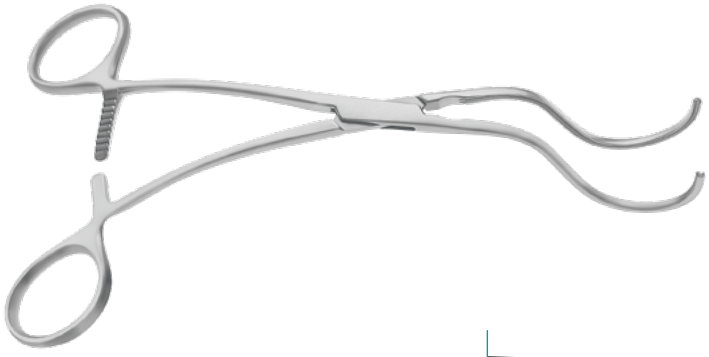
DEBAKEY
Dissecting and Ligature Forceps

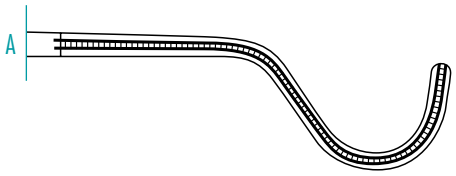
A	230mm, 9"	290-409-230
B	190mm, 7 1/2"	290-408-190
C	230mm, 9"	290-408-230

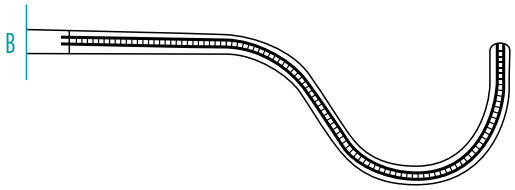


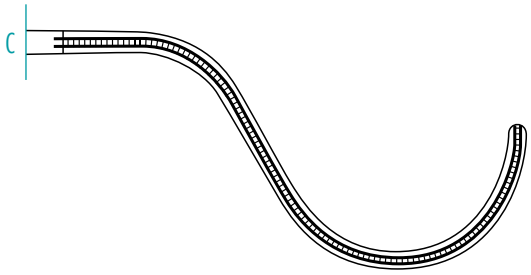
WYLIE
Vascular Clamp

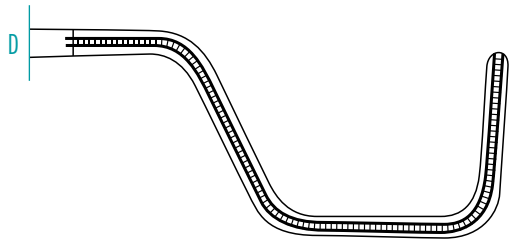
A	210mm, 8 1/4"	290-453-210
B	220mm, 8 2/3"	290-453-220





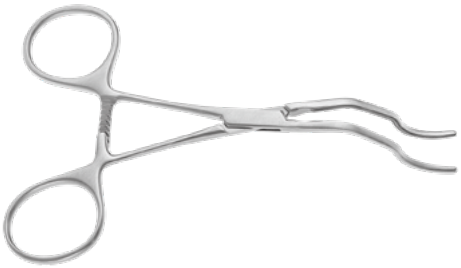


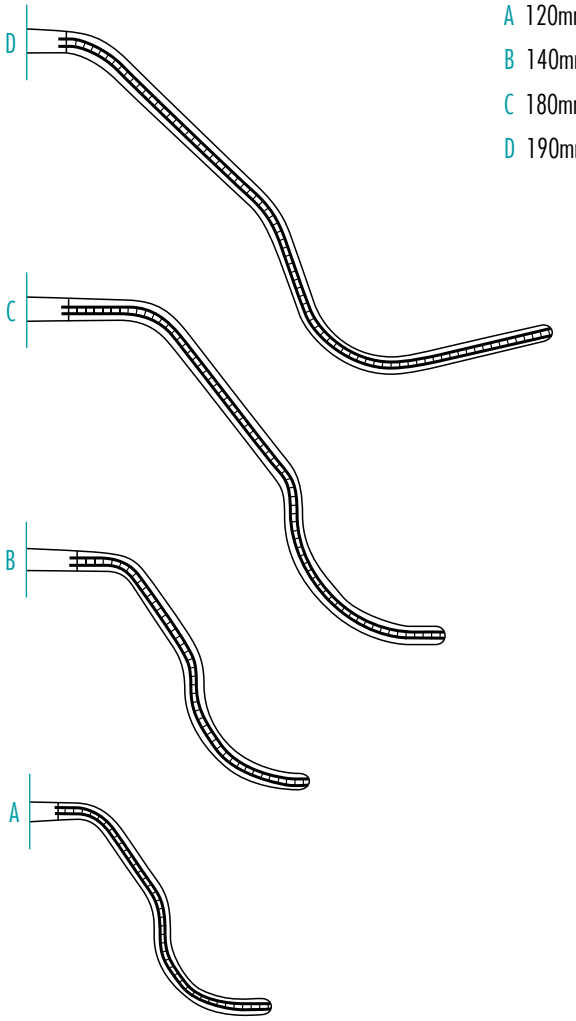




DALE
Peripheral Vascular Clamp

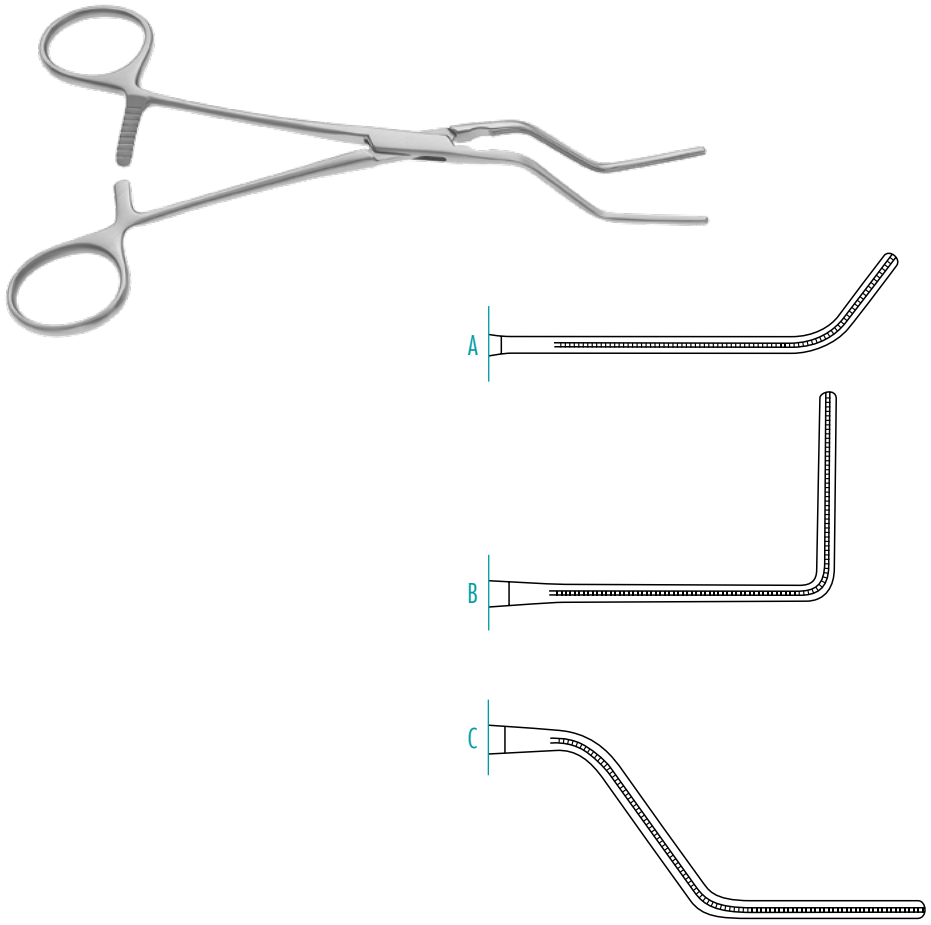
A	170mm, $6^{2/3}$"	290-341-170
B	180mm, 7"	290-341-180
C	185mm, $7^{1/4}$"	290-341-190
D	180mm, 7"	290-340-180





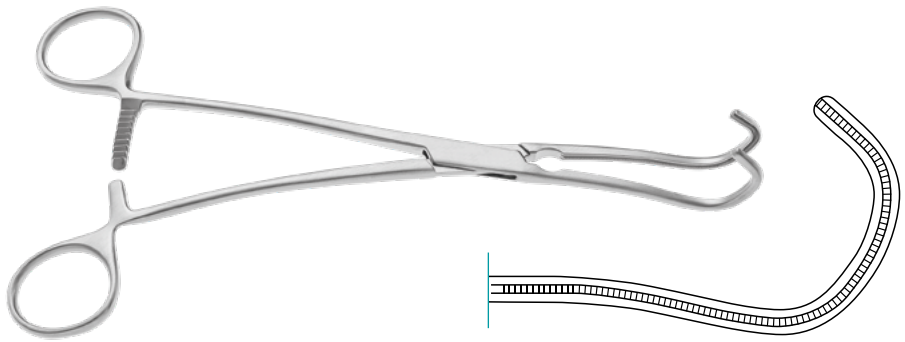
GREGORY
Profunda Clamp

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

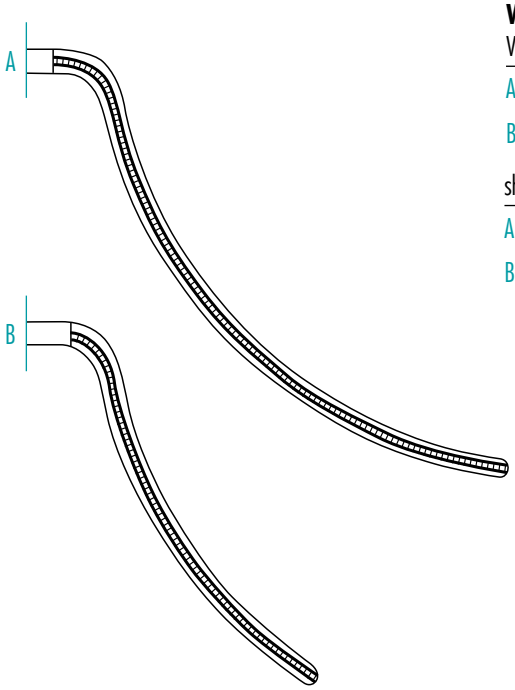
A	180mm, 7"	290-594-175
B	170mm, $6^{2/3}$"	290-594-170
C	180mm, 7"	290-594-180

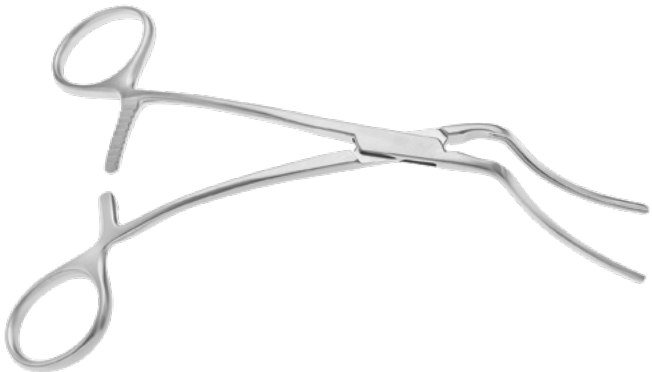


MITCHELL
Clamp

	200mm, 8"	290-424-200







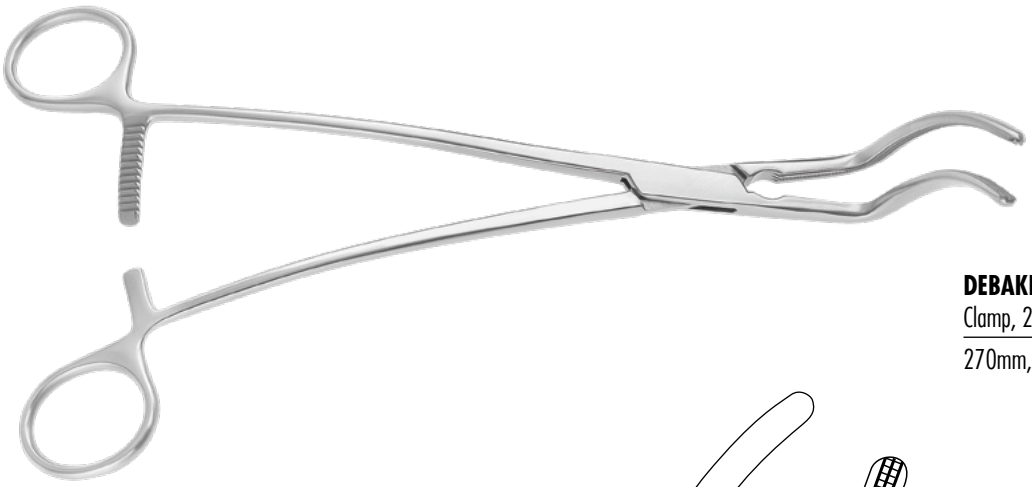
WYLIE

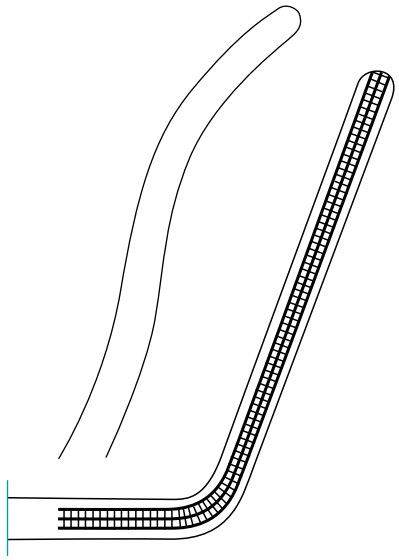
Vascular Clamps, shanks curved up

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





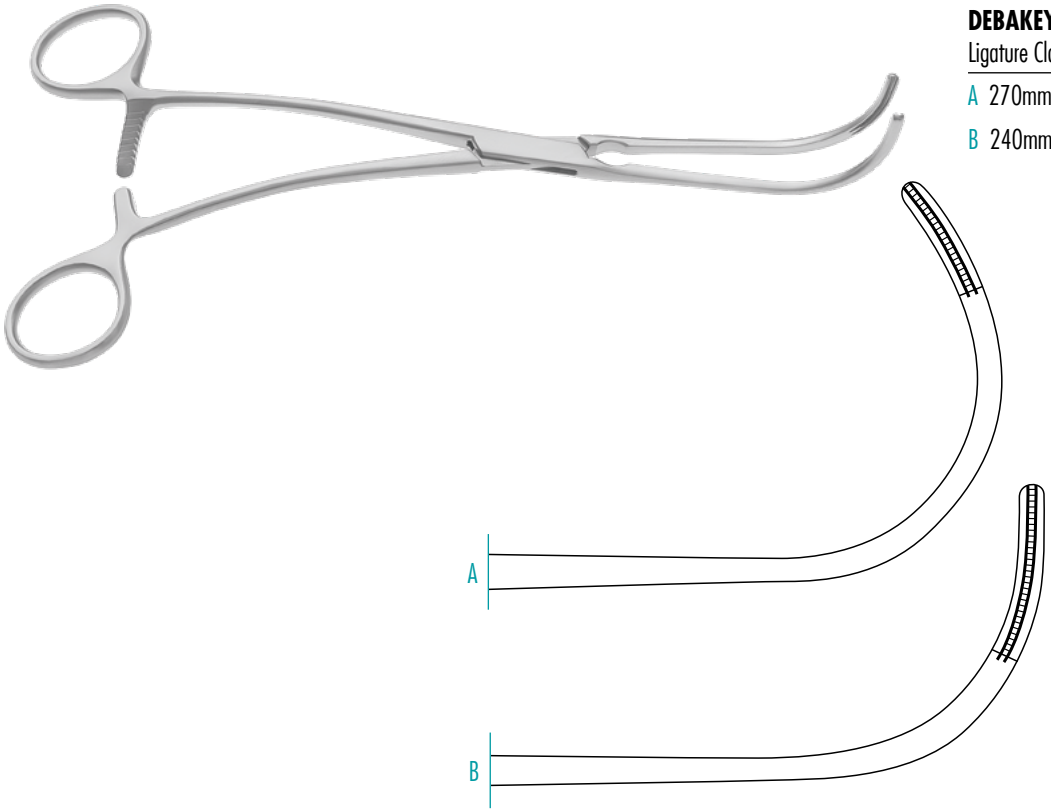
DEBAKEY
Clamp, 2x3 teeth

270mm, $10^{2/3}$"	290-420-270



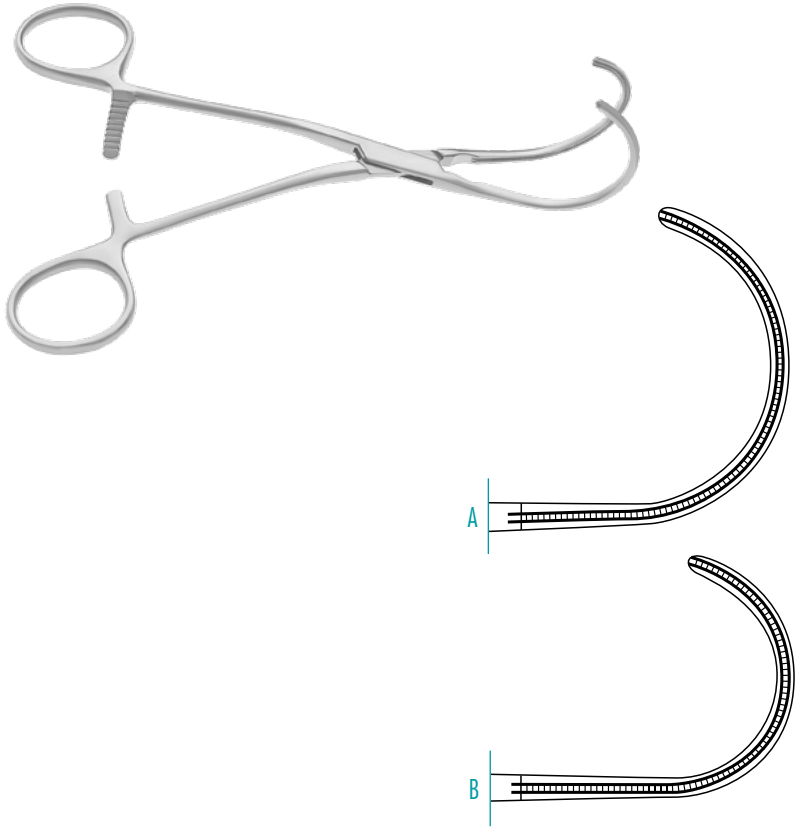
GRANT
Abdominal Clamp, 2x3 teeth

245mm, $9^{2/3}$"	290-431-230



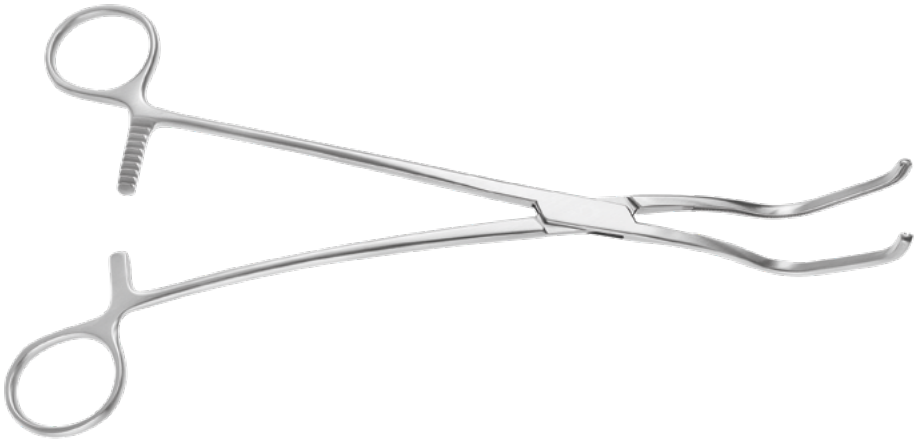
DEBAKEY
Ligature Clamp

A 270mm, $10^{2/3}$"	290-423-250
B 240mm, $9^{1/2}$"	290-421-240



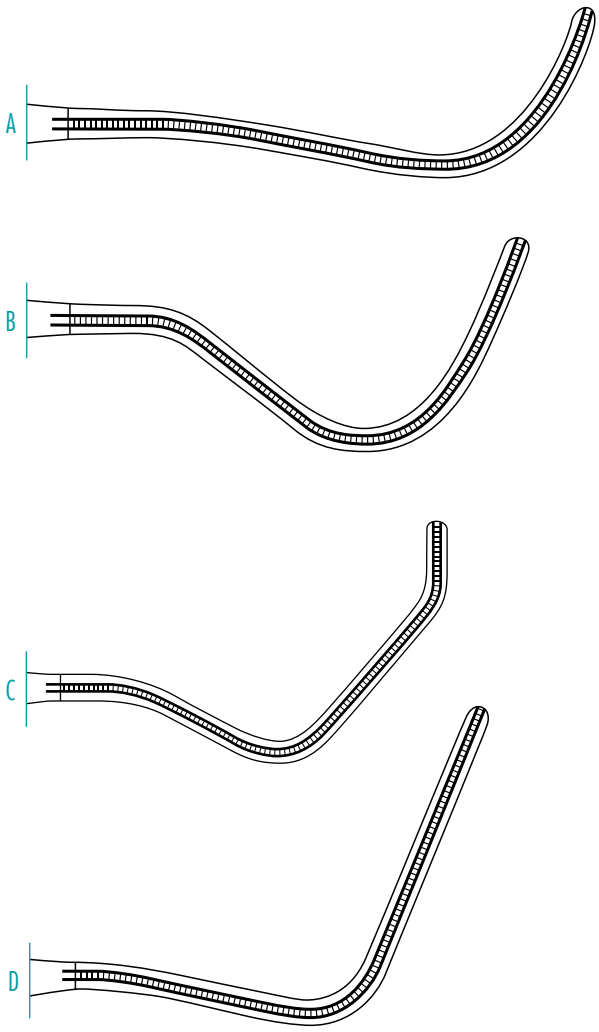
DEBAKEY
Ligature Clamp

A 160mm, $6^{1/4}$"	290-455-170
B 160mm, $6^{1/4}$"	290-453-160

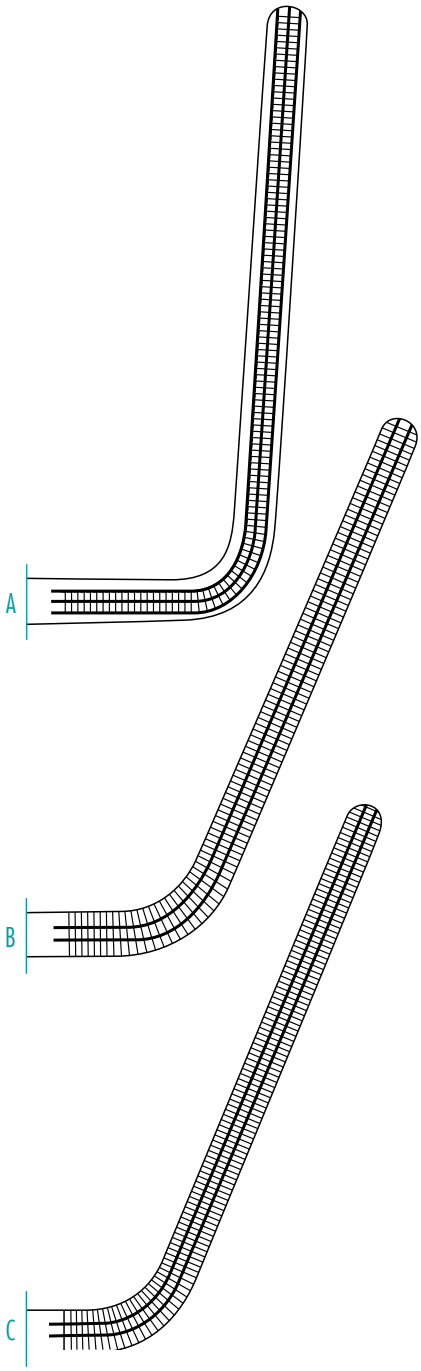


DEBAKEY HARKEN
Auricle Clamp, 240mm, 9 1/2"

A	Fig. 1	290-426-001
B	Fig. 2	290-426-002
C	Fig. 3	290-426-003
D	Fig. 4	290-426-004







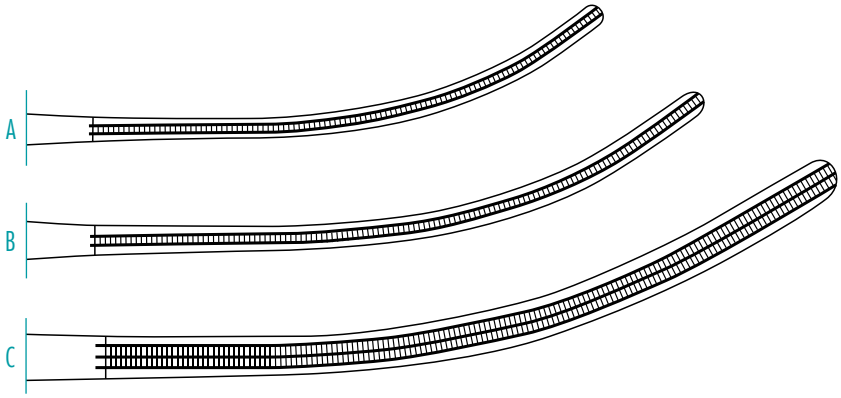
MORRIS
Clamp, 2x3 teeth

A 230mm, 9"	290-432-230
B 250mm, 9 7/8"	290-432-250
C 200mm, 8"	290-432-200



ZANGER
Abdominal Clamp

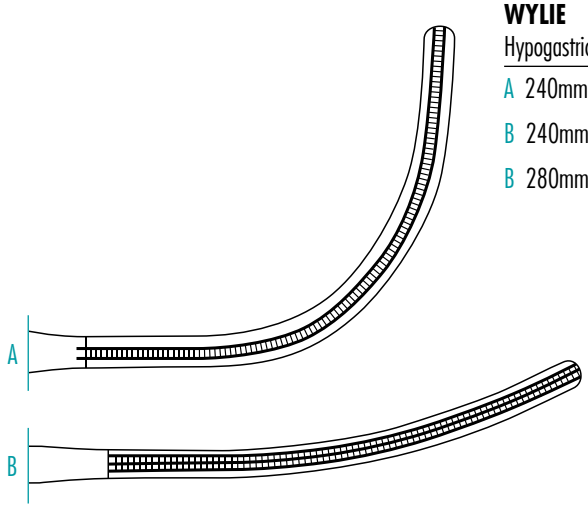
A	215mm, 8 1/2" 1x2 teeth	290-413-220
B	250mm, 9 7/8" 1x2 teeth	290-413-250
C	305mm, 12" 2x3 teeth	290-414-310

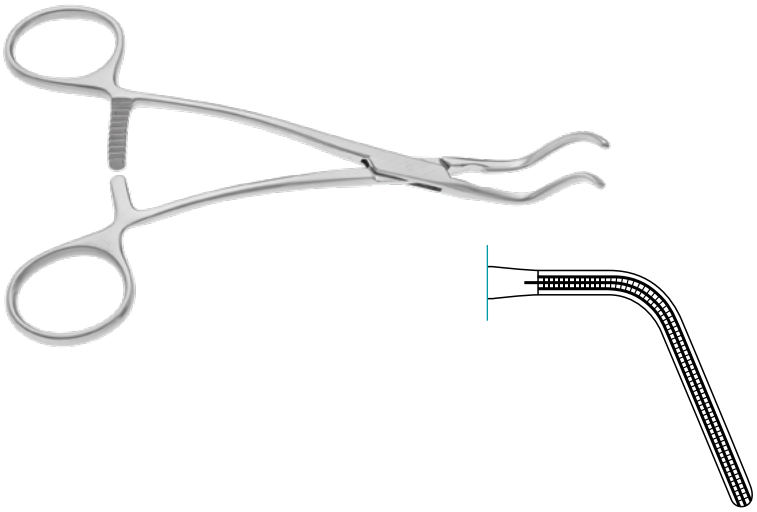




WYLIE
Hypogastric and Abdominal Clamp

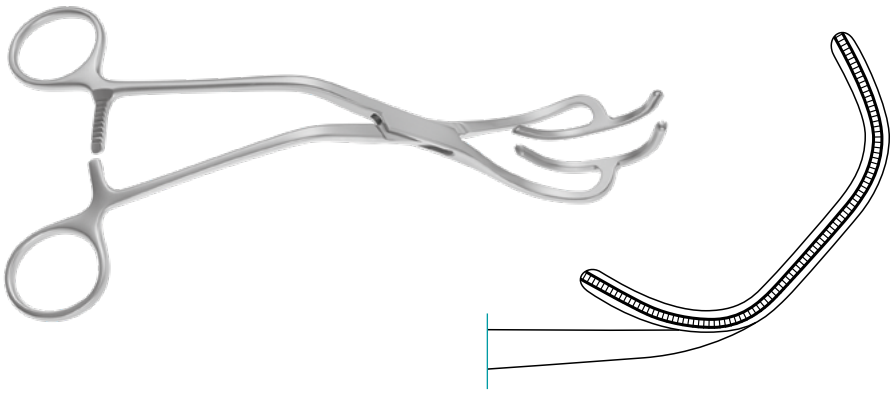
A	240mm, 9 1/2"	290-454-260
B	240mm, 9 1/2"	290-454-240
B	280mm, 11"	290-454-280





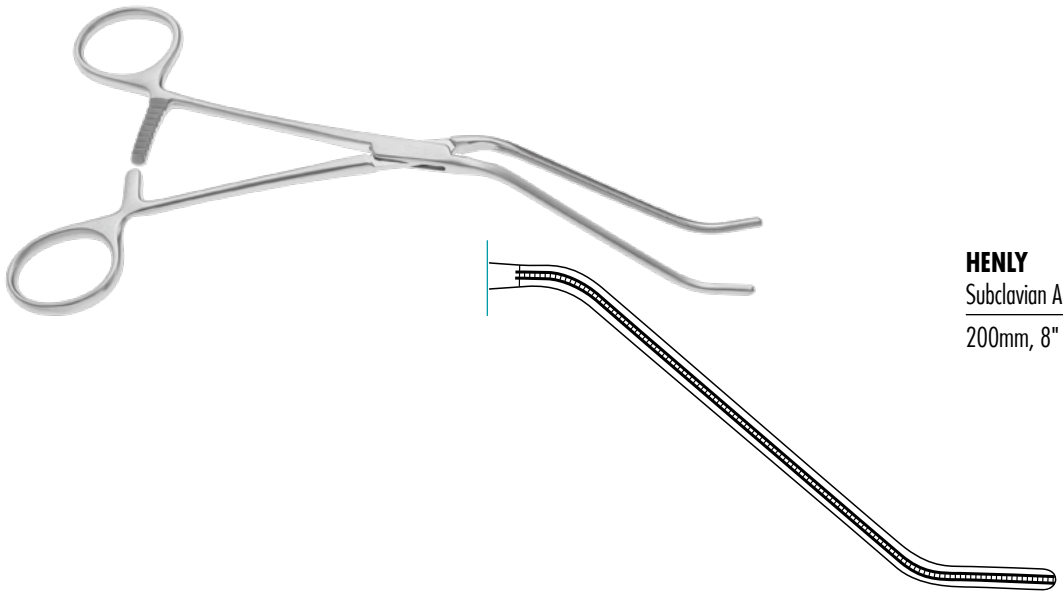
SUBRAMANIAN
Miniature Clamp

160mm, 6 1/4"	290-559-150



STRONG
Clamp, 175mm, 6 7/8"

41x16mm jaw	290-175-410
45x23mm jaw	290-175-450

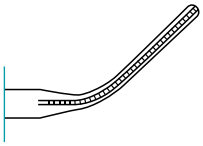


HENLY
Subclavian Artery Clamp

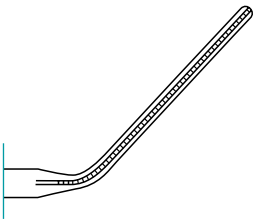
200mm, 8"	290-460-200



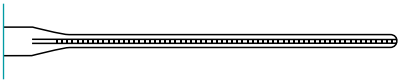
DEBAKEY EXTRA FINE
Pediatric Vessel Clamp



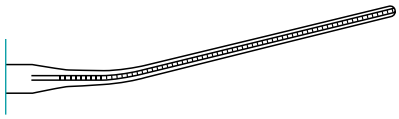
Angled shanks 45°
105mm, 4 1/8" 290-599-001



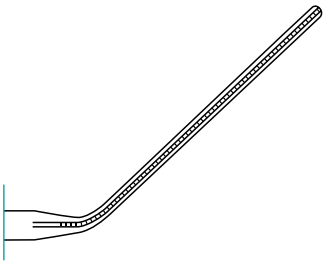
Angled shanks 45°
125mm, 5" 290-599-002



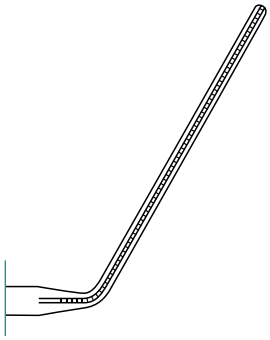
Straight shanks
140mm, 5 1/2" 290-599-003



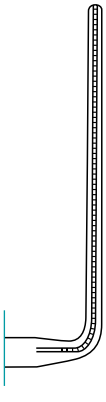
Curved shanks 15°
140mm, 5 1/2" 290-599-004



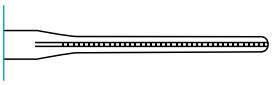
Curved shanks 45°
140mm, 5 1/2" 290-599-005



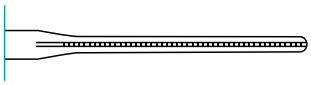
Angled shanks 90°
140mm, 5 1/2" 290-599-006



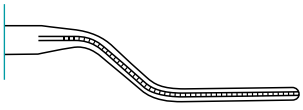
Angled shanks 90°
140mm, 5 1/2" 290-599-007



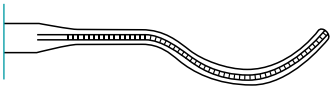
Straight shanks
155mm, 6 1/8" 290-599-008



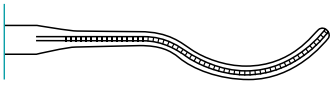
20° angled shanks
155mm, 6 1/8" 290-599-009



Curved shanks
150mm, 6" 290-599-010



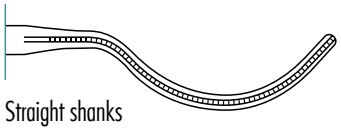
Straight shanks
150mm, 6" 290-599-011



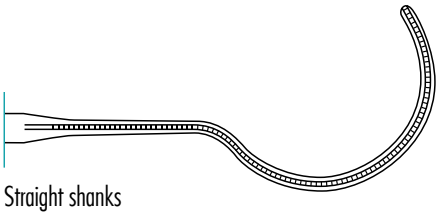
Angled shanks
145mm, 5 3/4" 290-599-012



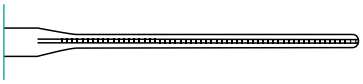
DEBAKEY EXTRA FINE
Pediatric Vessel Clamp



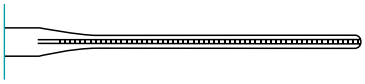
Straight shanks
155mm, 6 1/8" 290-599-013



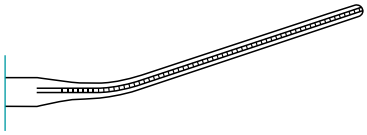
Straight shanks
170mm, 6 3/4" 290-599-014



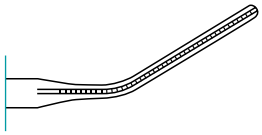
Straight shanks
165mm, 6 1/2" 290-599-015



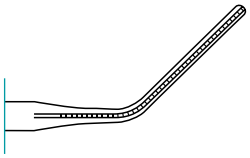
Angled shanks
165mm, 6 1/2" 290-599-016



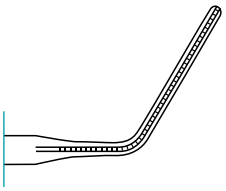
Straight shanks, 15°
155mm, 6 1/8" 290-599-017



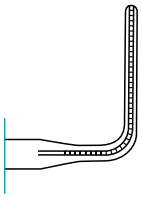
Straight shanks, 30°
145mm, 5 3/4" 290-599-018



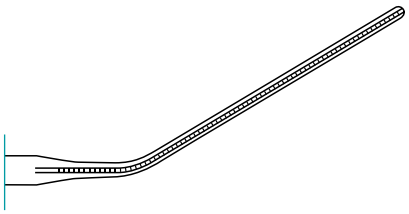
Straight shanks, 45°
145mm, 5 3/4" 290-599-019



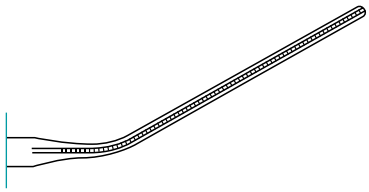
Straight shanks, 60°
145mm, 5 3/4" 290-599-020



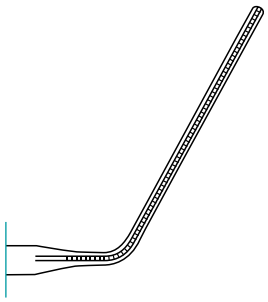
Straight shanks, 90°
140mm, 5 1/2" 290-599-021



Curved shanks, 30°
160mm, 6 1/4" 290-599-022



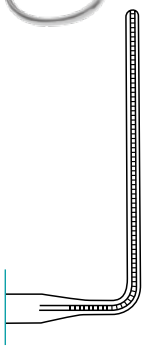
Curved shanks, 45°
160mm, 6 1/4" 290-599-023



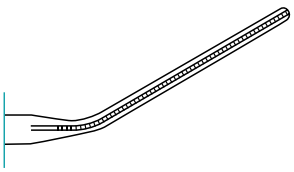
Curved shanks, 60°
145mm, 5 3/4" 290-599-024



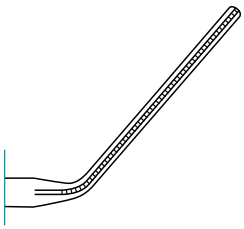
DEBAKEY EXTRA FINE
Pediatric Vessel Clamp



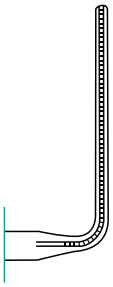
Curved shanks, 90°
130mm, 5 1/8" 290-599-025



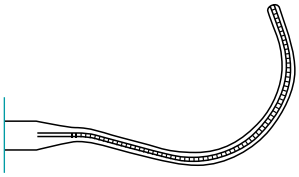
Straight shanks, 30°
120mm, 4 3/4" 290-599-026



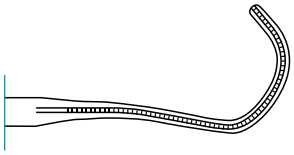
Straight shanks, 50°
120mm, 4 3/4" 290-599-027



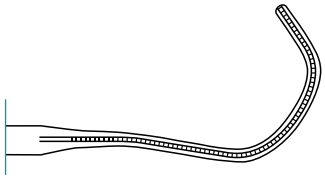
Straight shanks, 90°
105mm, 4 1/8" 290-599-028



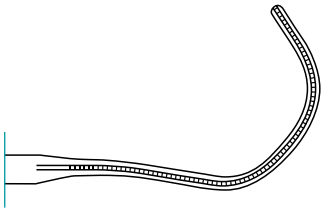
Curved shanks
120mm, 4 3/4" 290-599-029



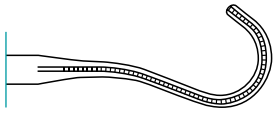
Curved shanks
145mm, 5 3/4" 290-599-030



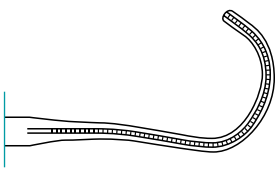
Curved shanks
145mm, 5 3/4" 290-599-031



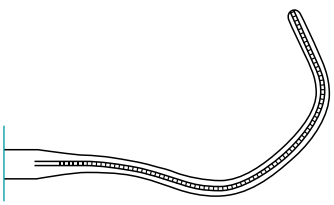
Curved shanks
160mm, 6 1/4" 290-599-032



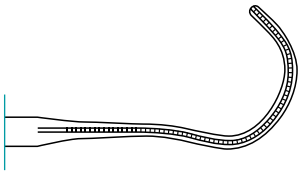
Angled shanks
115mm, 4 1/2" 290-599-033



Angled shanks
115mm, 4 1/2" 290-599-034



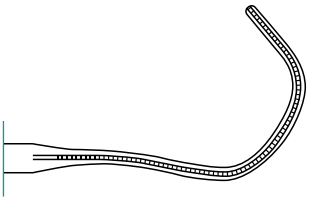
Angled shanks
150mm, 6" 290-599-035



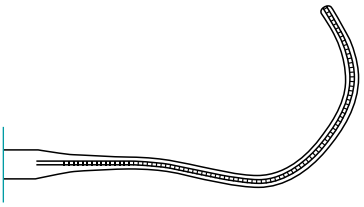
Curved shanks
115mm, 4 1/2" 290-599-036



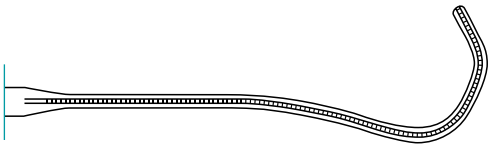
DEBAKEY EXTRA FINE
Pediatric Vessel Clamp



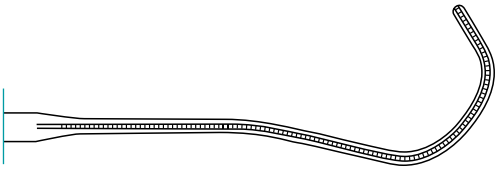
Curved shanks
150mm, 6" 290-599-037



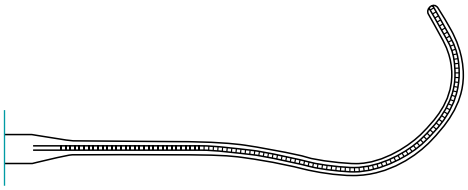
Curved shanks
160mm, 6 1/4" 290-599-038



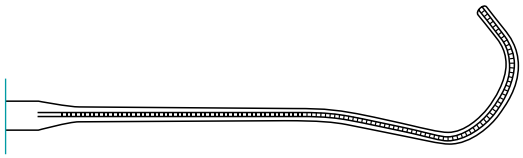
Curved shanks
180mm, 7" 290-599-039



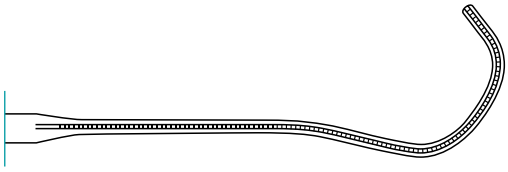
Curved shanks
180mm, 7" 290-599-040



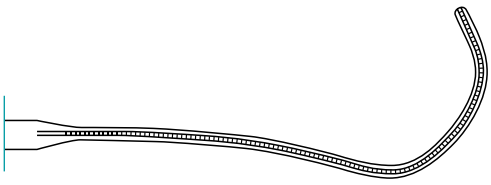
Curved shanks
180mm, 7" 290-599-041



Angled shanks
180mm, 7" 290-599-042



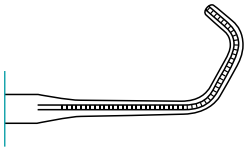
Angled shanks
180mm, 7" 290-599-043



Angled shanks
180mm, 7" 290-599-044

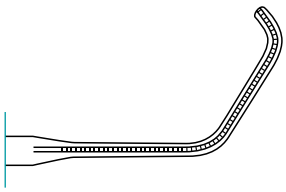


DEBAKEY EXTRA FINE
Pediatric Vessel Clamp



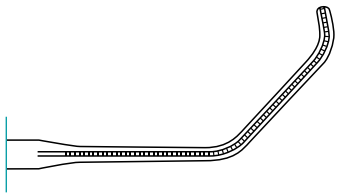
Curved shanks

115mm, $4^{1/2}$"	290-599-045



Angled shanks

120mm, $4^{3/4}$"	290-599-046



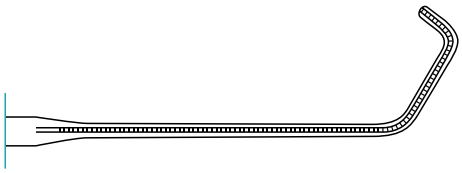
Angled shanks

150mm, 6"	290-599-047



Curved shanks

170mm, $6^{2/3}$"	290-599-048



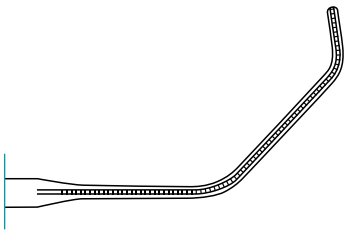
Curved shanks

175mm, $6^{7/8}$"	290-599-049



Curved shanks

180mm, 7"	290-599-050



Curved shanks, carotid

150mm, 6"	290-599-051



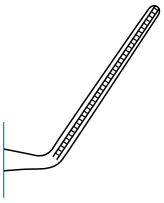
DEBAKEY
Premature Baby Vascular Clamp, ultrafine

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



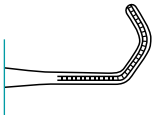
Shanks angled backwards

290-587-001



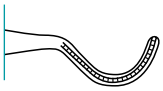
Angled shanks

290-587-002



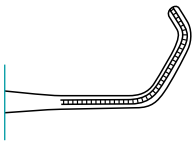
Shanks slightly angled backwards

290-587-003



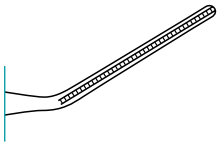
Straight shanks

290-587-004



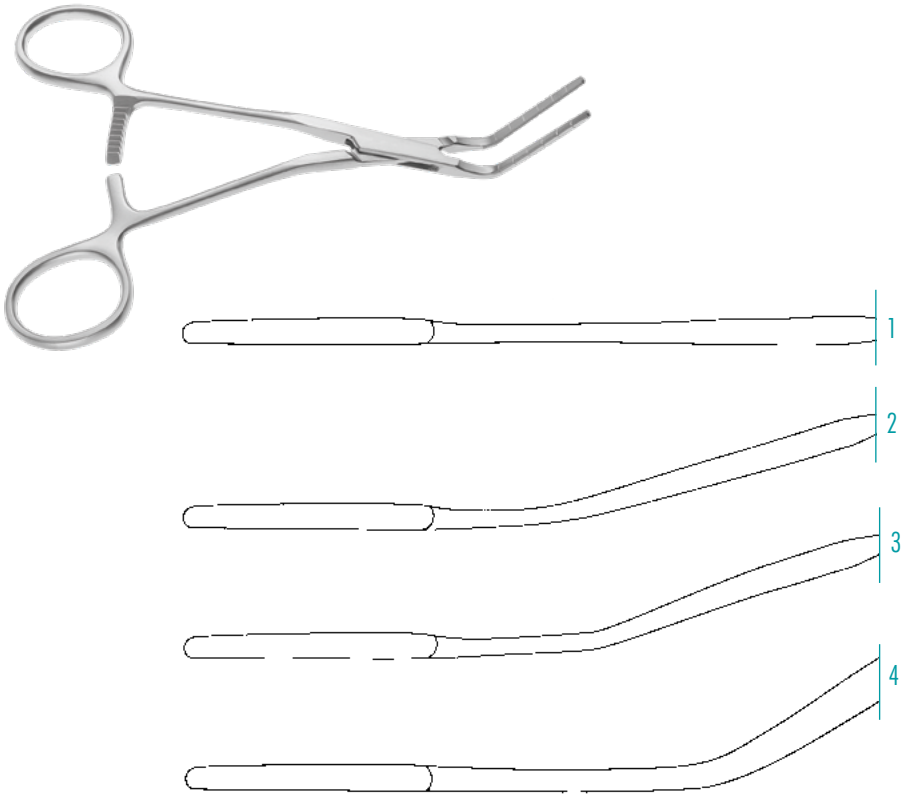
Shanks slightly curved backwards

290-587-005



Straight shanks

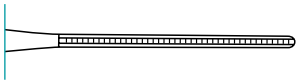
290-587-006



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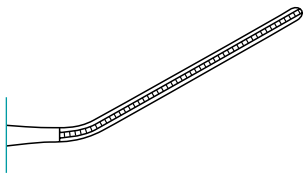
Castaneda Neonatal Clamp, fine
155mm, 6 1/8"

1 Straight shanks
2 Slightly curved shanks
3 Slightly angled shanks
4 Strongly angled shanks



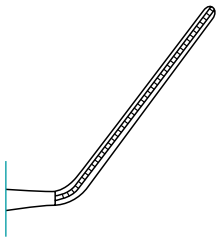
Straight jaw

1	290-594-001
2	290-598-001
3	290-596-001
4	290-597-001



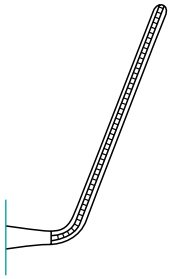
Angled jaw, 30°

1	290-594-002
2	290-598-002
3	290-596-002
4	290-597-002



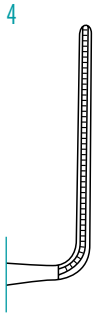
Angled jaw, 45°

1	290-594-003
2	290-598-003
3	290-596-003
4	290-597-003



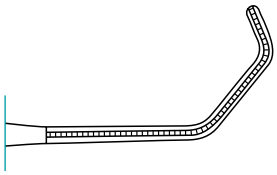
Angled jaw, 60°

1	290-594-004
2	290-598-004
3	290-596-004
4	290-597-004



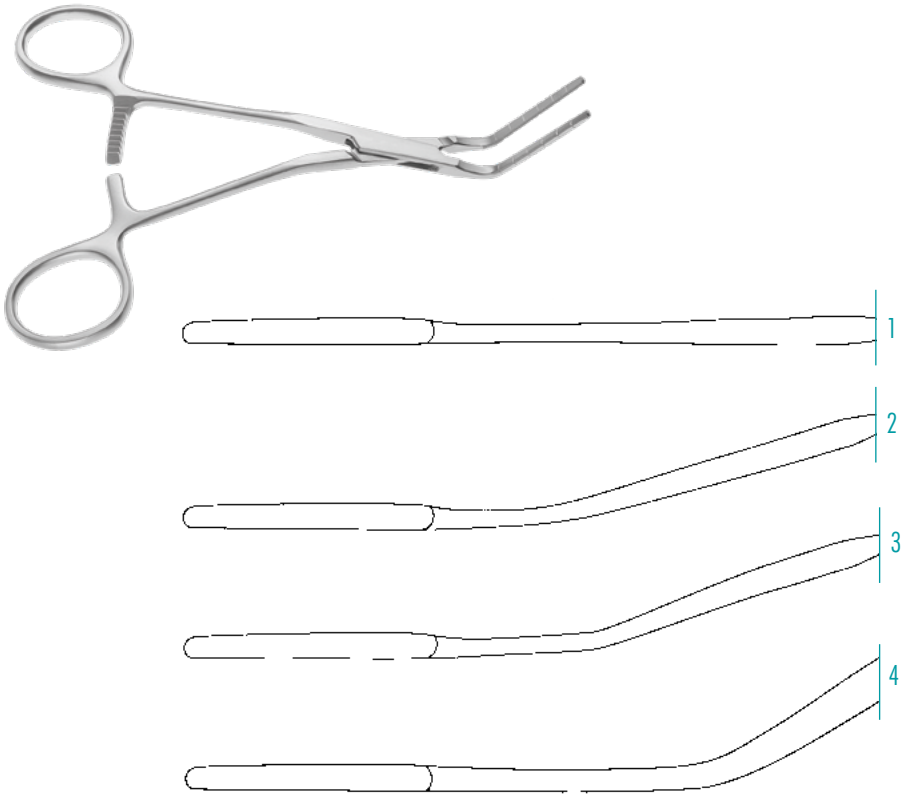
Angled jaw, 90°

1	290-594-005
2	290-598-005
3	290-596-005
4	290-597-005



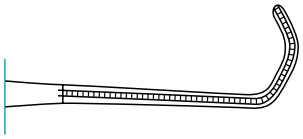
Angled jaw

1	290-594-006
2	290-598-006
3	290-596-006
4	290-597-006

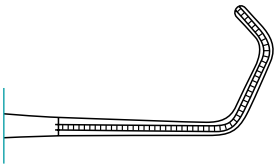


CASTANEDA
Castaneda Neonatal Clamp, fine
155mm, 6 1/8"

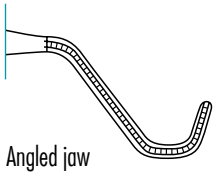
1 Straight shanks
2 Slightly curved shanks
3 Slightly angled shanks
4 Strongly angled shanks



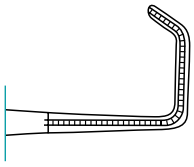
Angled jaw	
1	290-594-007
2	290-598-007
3	290-596-007
4	290-597-007



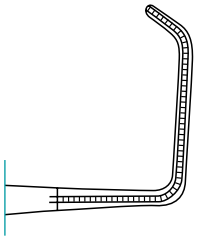
Angled jaw	
1	290-594-008
2	290-598-008
3	290-596-008
4	290-597-008



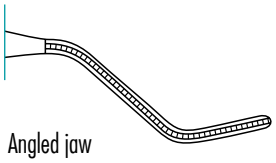
Angled jaw	
1	290-594-009
2	290-598-009
3	290-596-009



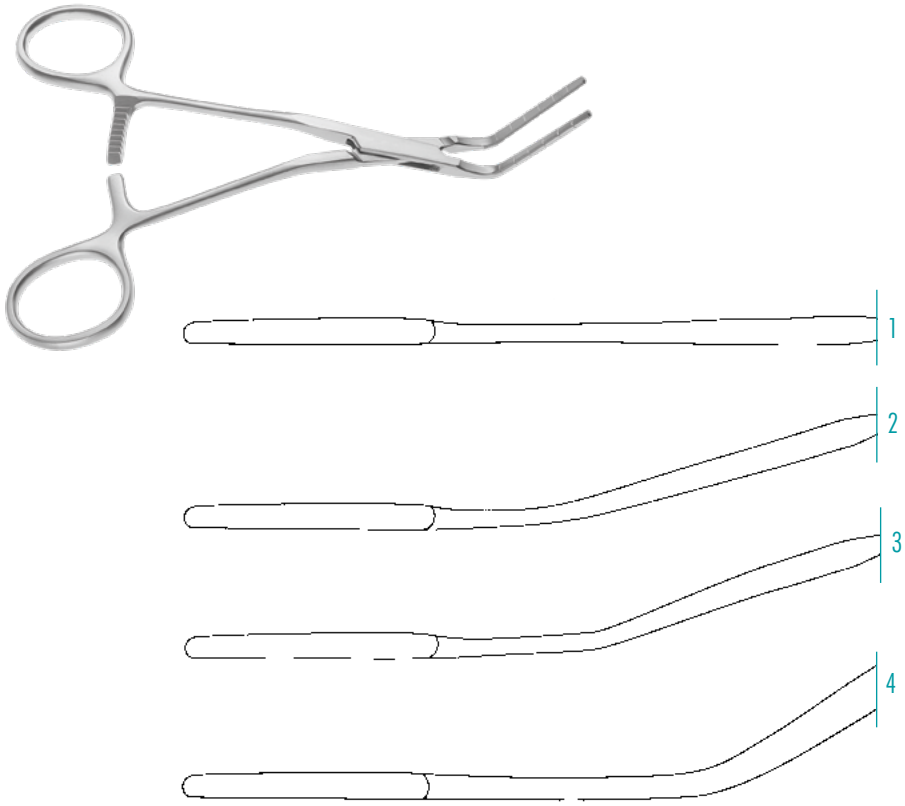
Angled jaw	
1	290-594-010
2	290-598-010
3	290-596-010



Angled jaw	
1	290-594-011
2	290-598-011
3	290-596-011



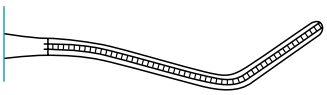
Angled jaw	
1	290-594-012
2	290-598-012
3	290-596-012
4	290-597-012



CASTANEDA

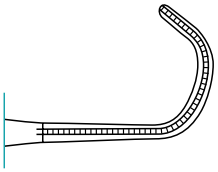
Castaneda Neonatal Clamp, fine
110mm, 6 1/8"

1 Straight shanks
2 Slightly curved shanks
3 Slightly angled shanks
4 Strongly angled shanks



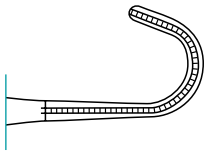
Angled jaw

1	290-594-013
2	290-598-013
3	290-596-013



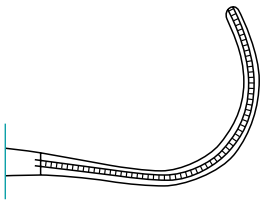
Curved jaw

1	290-594-014
2	290-598-014
3	290-596-014



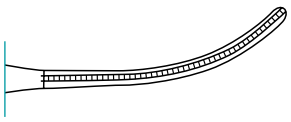
Curved jaw

1	290-594-015
2	290-598-015
3	290-596-015



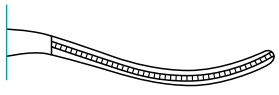
Curved jaw

1	290-594-016
2	290-598-016



Curved jaw

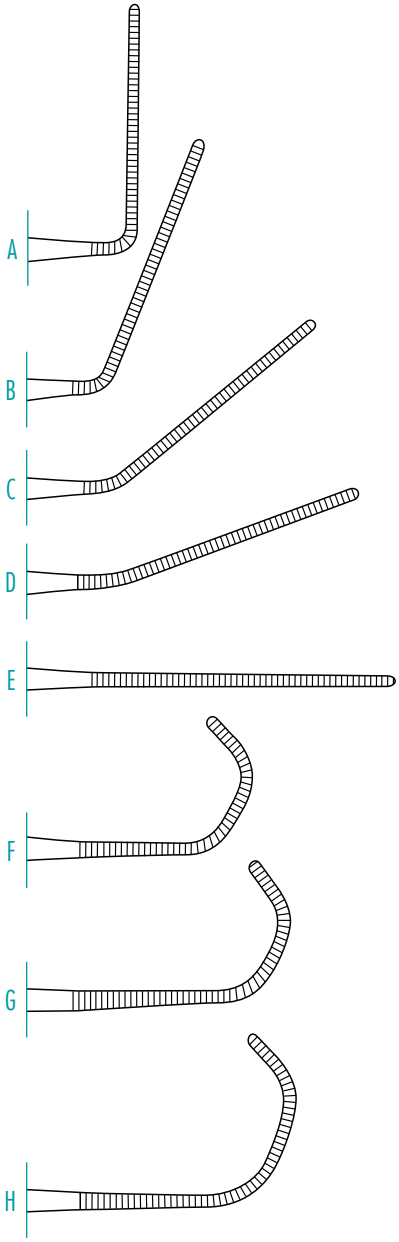
1	290-594-017
2	290-598-017
3	290-596-017



Curved jaw

1	290-594-018
2	290-598-018

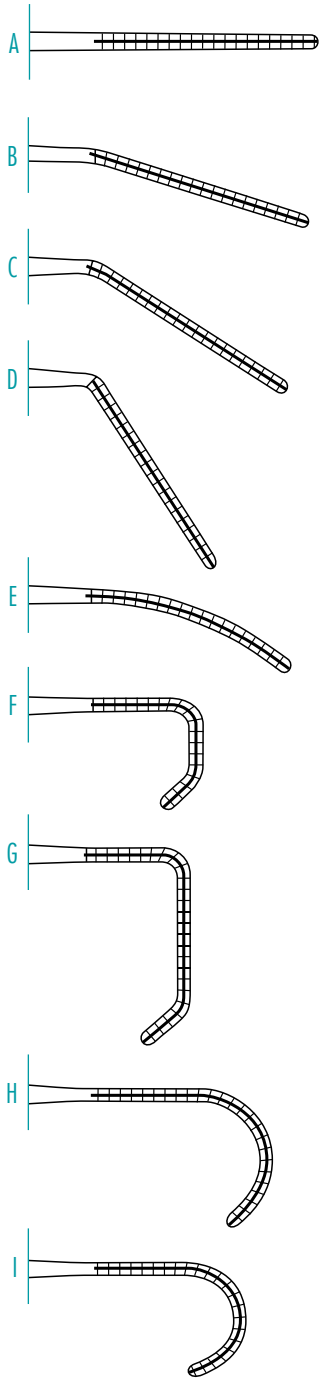




CASTANEDA
Neonatal Clamp, extra delicate, graduated, shanks curved backwards

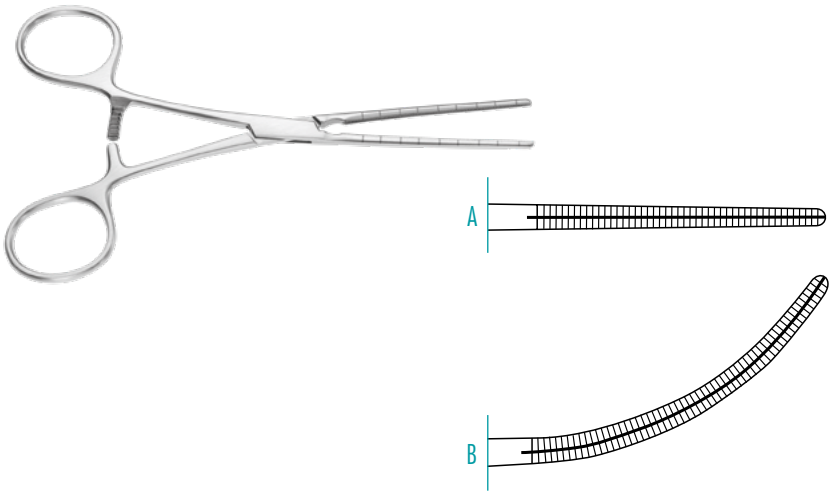
A	130mm, $5^{1/8}$"	290-593-003
B	130mm, $5^{1/8}$"	290-593-002
C	130mm, $5^{1/8}$"	290-593-001
D	130mm, $5^{1/8}$"	290-593-000
E	130mm, $5^{1/8}$"	290-593-004
F	150mm, 6"	290-595-001
G	150mm, 6"	290-595-002
H	150mm, 6"	290-595-003





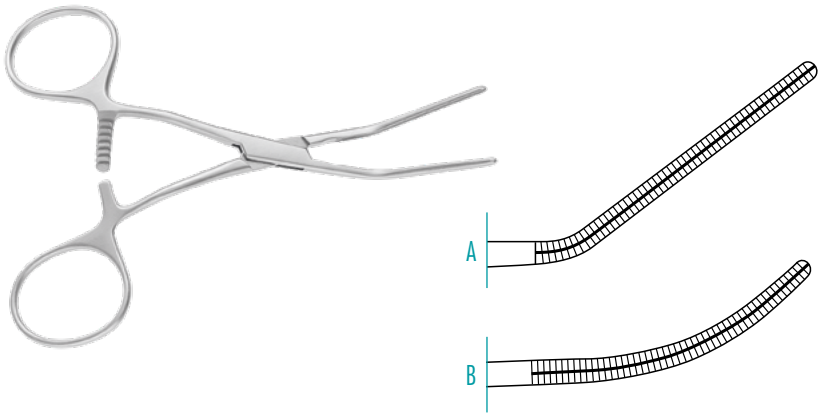
BABY COOLEY
Pediatric Clamp, shanks curved backwards

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



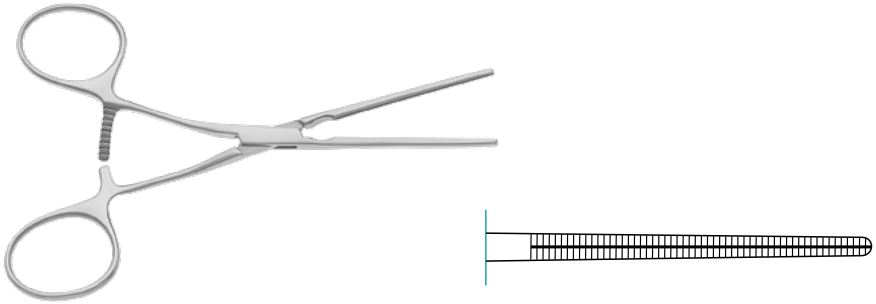
curved shanks

A 125mm, 5"	290-465-004
B 120mm, 4 3/4"	290-465-003



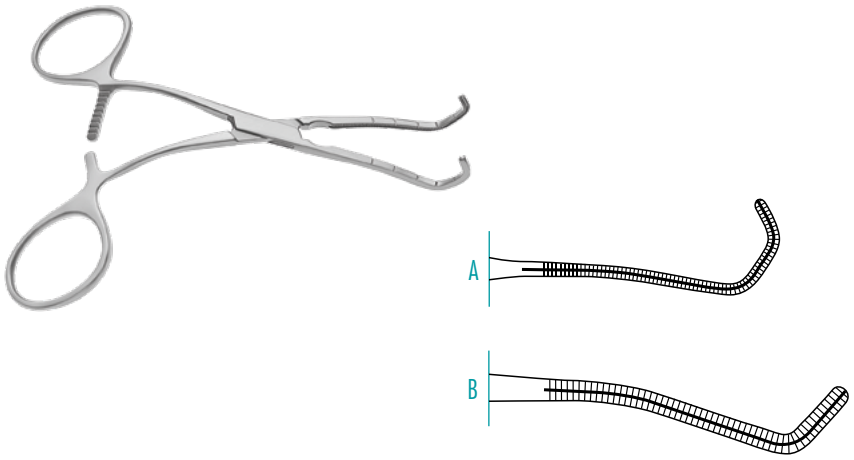
straight shanks

100mm, 4"	290-465-007



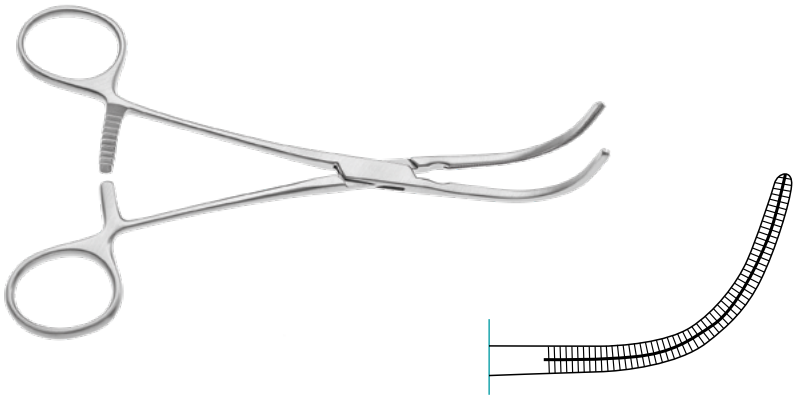
angled shanks

125mm, 5"	290-465-001



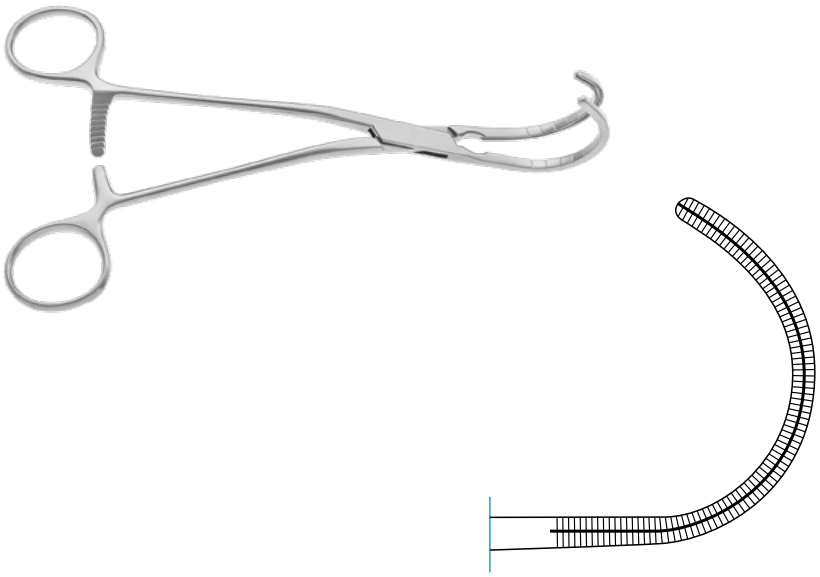
COOLEY
Atrauma Clamp, s-angled

A	120mm, 4 3/4"	290-465-008
B	120mm, 4 3/4"	290-465-005



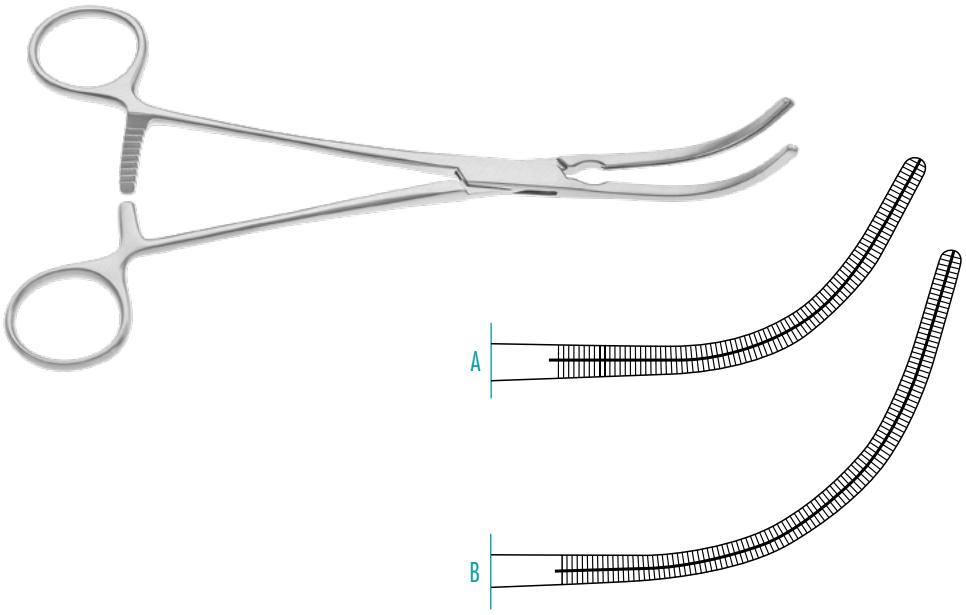
COOLEY
Vascular Clamp

	160mm, 6 1/4"	290-469-160



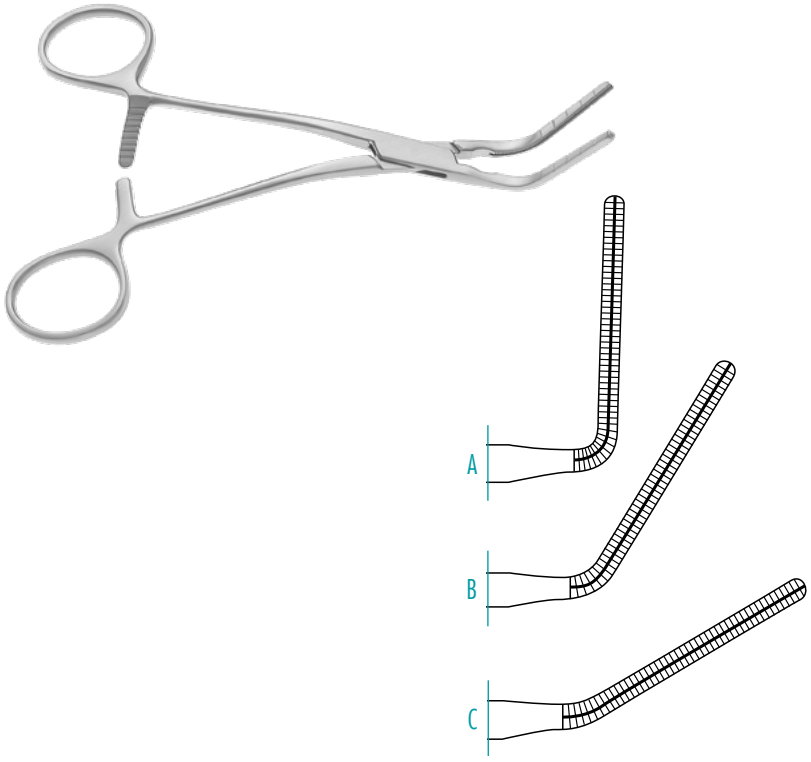
COOLEY
Multi-Purpose Clamp

200mm, 8"	290-480-200



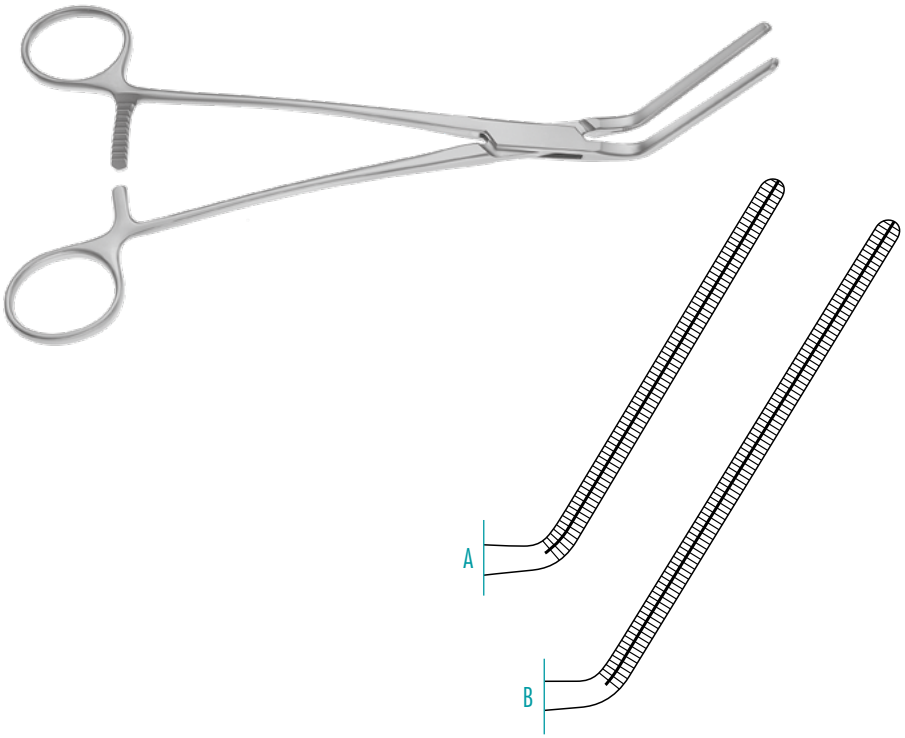
COOLEY
Multi-Purpose Clamp

A 215mm, $8^{1/2}$"	290-471-215
B 245mm, $9^{2/3}$"	290-471-245



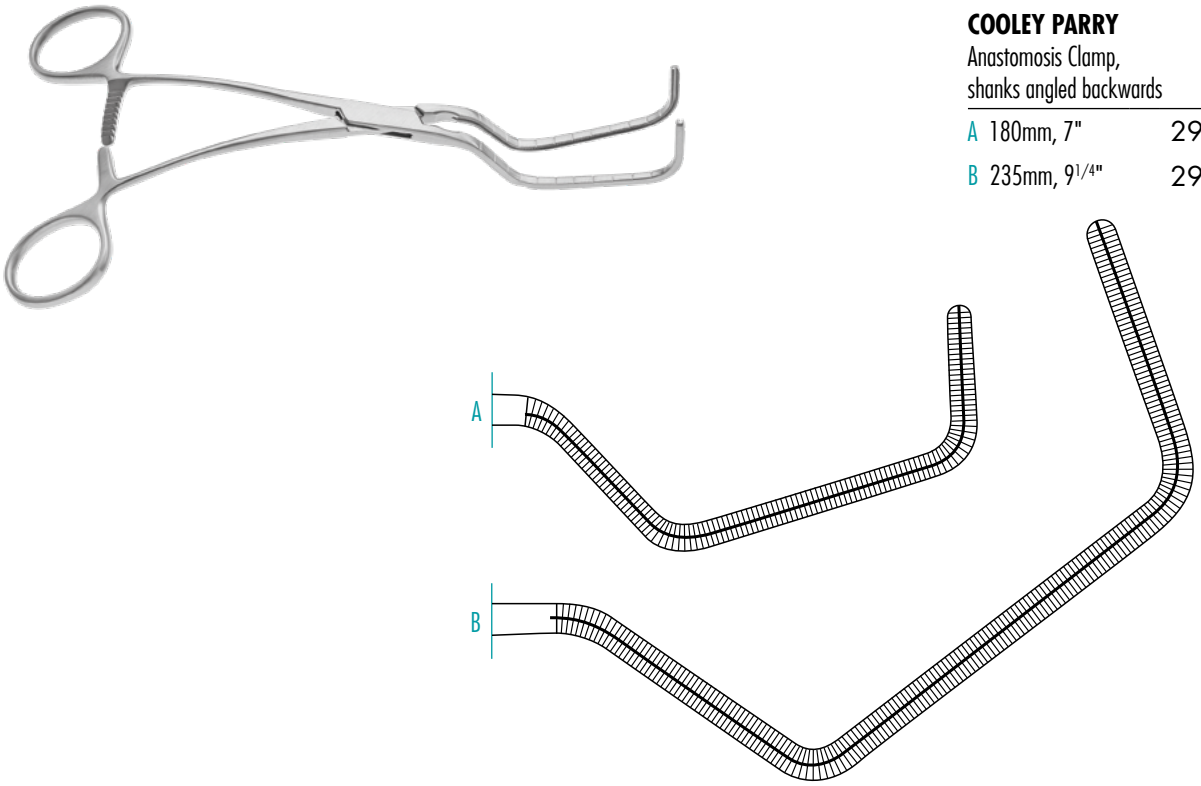
COOLEY
Multi Purpose Forceps

A	150mm, 6"	290-472-150
B	160mm, $6^{1/4}$"	290-472-155
C	170mm, $6^{2/3}$"	290-472-160



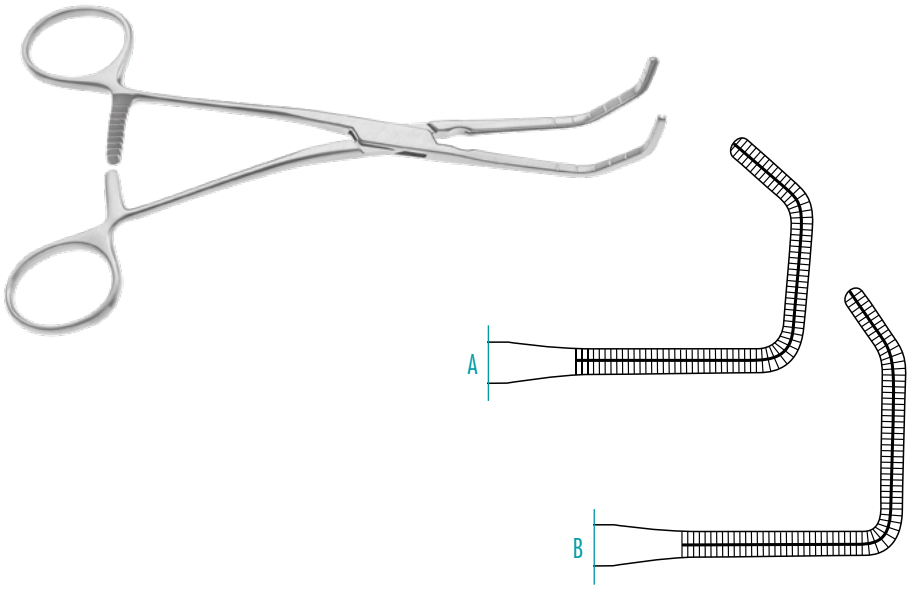
COOLEY
Multi-Purpose Clamp

A	205mm, $8^{1/8}$"	290-509-200
B	240mm, $9^{1/2}$"	290-509-240



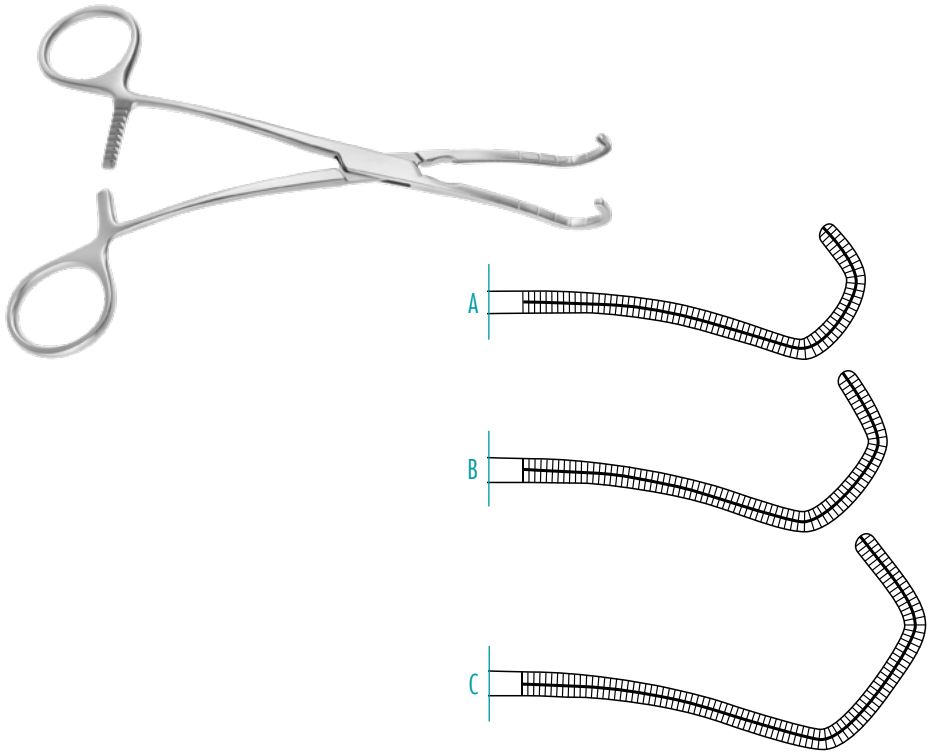
COOLEY PARRY
Anastomosis Clamp,
shanks angled backwards

A	180mm, 7"	290-481-001
B	235mm, 9 1/4"	290-481-002



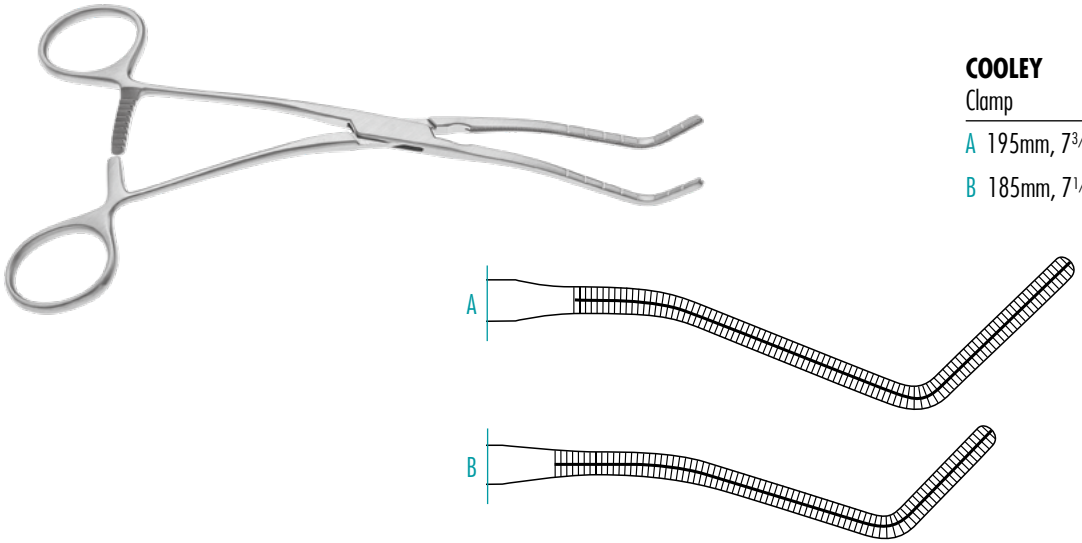
COOLEY
Anastomosis Clamp

A	175mm, 6 7/8"	290-721-165
B	175mm, 6 7/8"	290-722-165



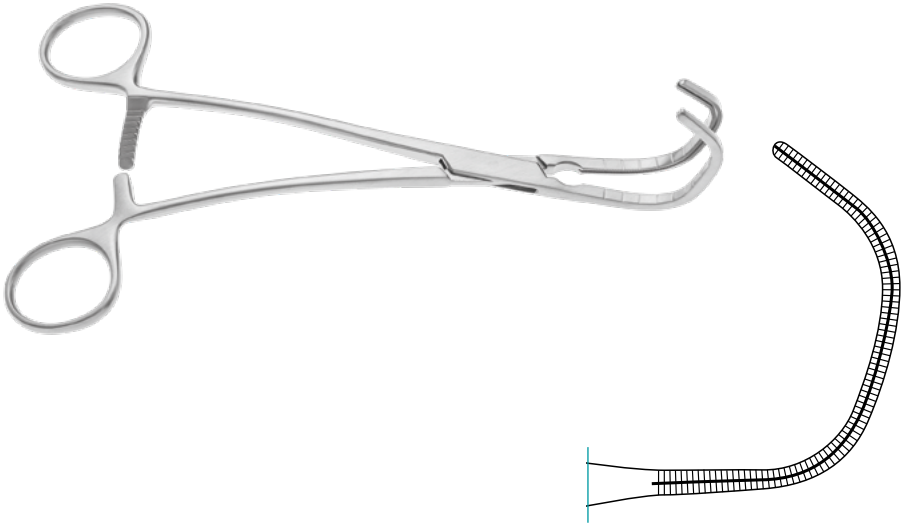
COOLEY DERRA
Anastomosis Clamp

A	160mm, $6^{1/4}$"	290-478-160
B	170mm, $6^{2/3}$"	290-478-170
C	180mm, 7"	290-478-180



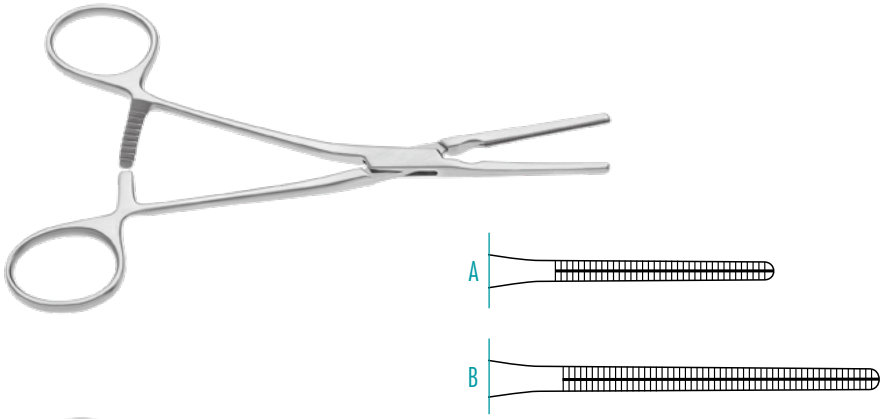
COOLEY
Clamp

A	195mm, $7^{3/4}$"	290-469-200
B	185mm, $7^{1/4}$"	290-469-185



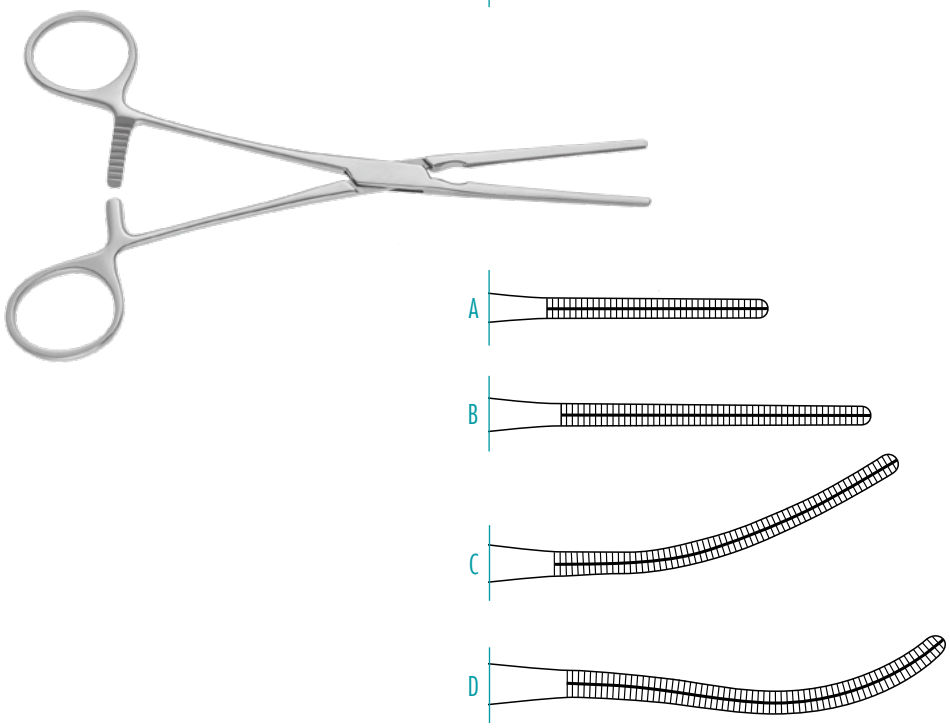
COOLEY LEITZ
Anastomosis Clamp

	195mm, $7^{3/4}$"	290-508-190



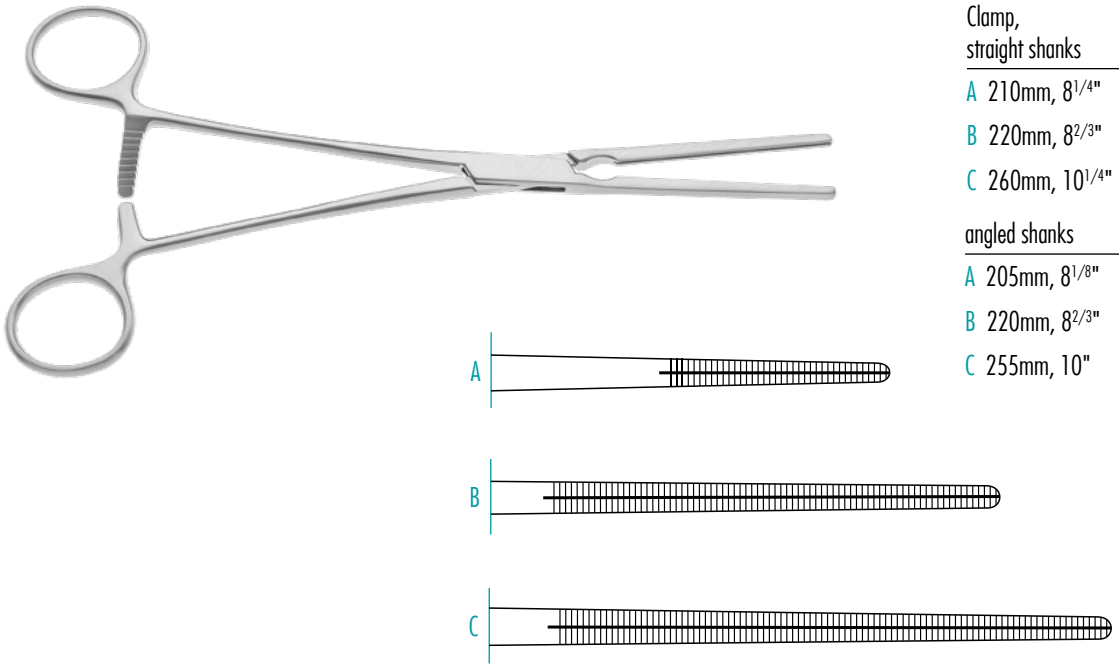
COOLEY
Forceps, shanks angled

A	160mm, $6^{1/4}$"	290-473-160
B	170mm, $6^{2/3}$"	290-473-170



COOLEY
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

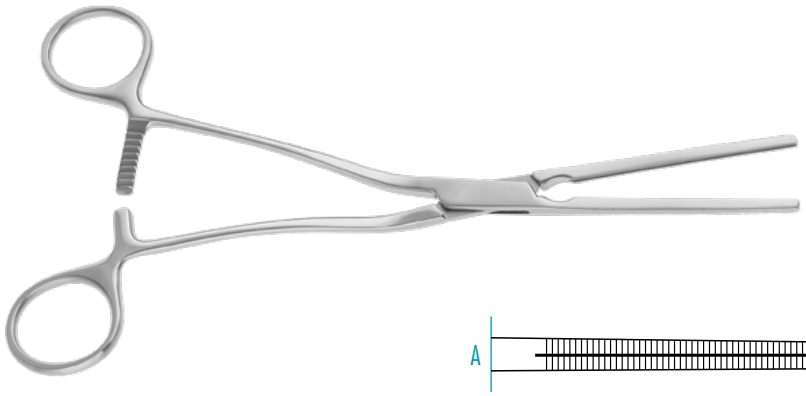


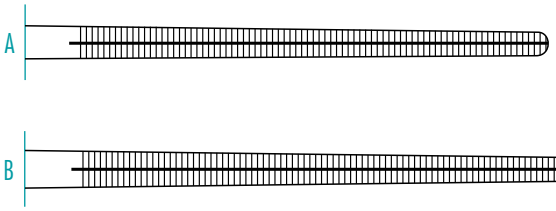
COOLEY
Clamp,
straight shanks

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

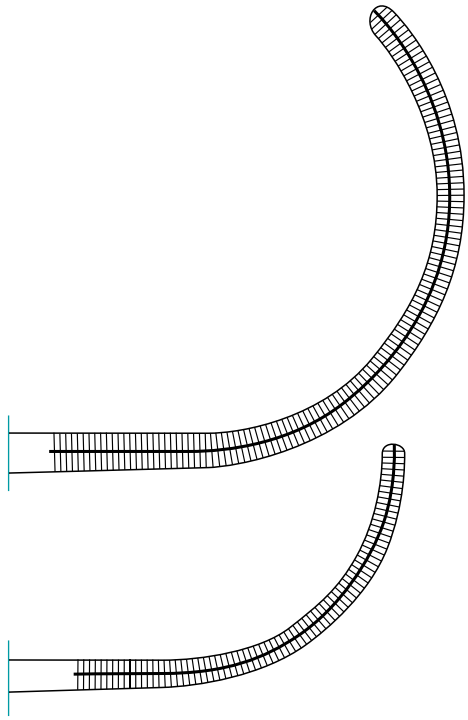




COOLEY
Iliac Clamp, straight,
shanks strongly angled

A 210mm, $8^{1/4}$"	290-467-210
B 250mm, $9^{7/8}$"	290-467-255





COOLEY
Clamp, wide curved,
shanks curved backwards

275mm, $10^{7/8}$"	290-512-270

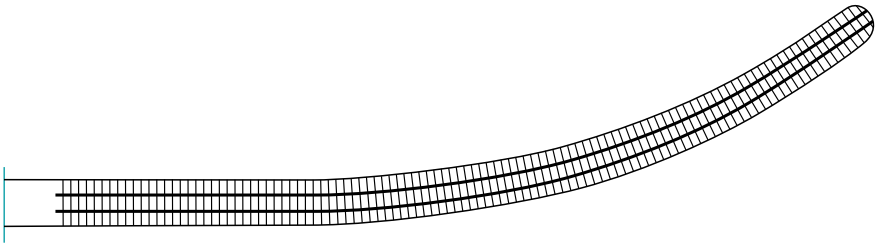
shanks curved backwards

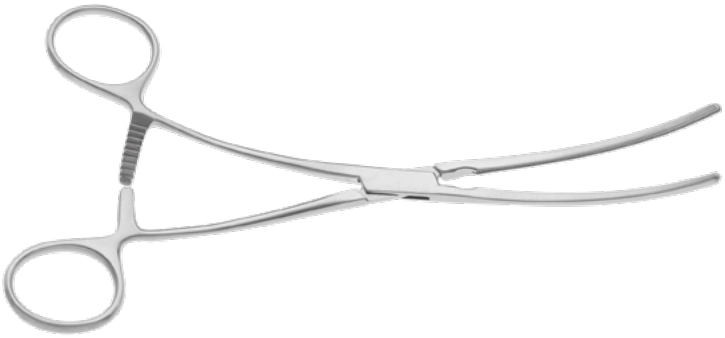
240mm, $9^{1/2}$"	290-519-240



COOLEY
Clamp, 3x3teeth, shanks s-curved

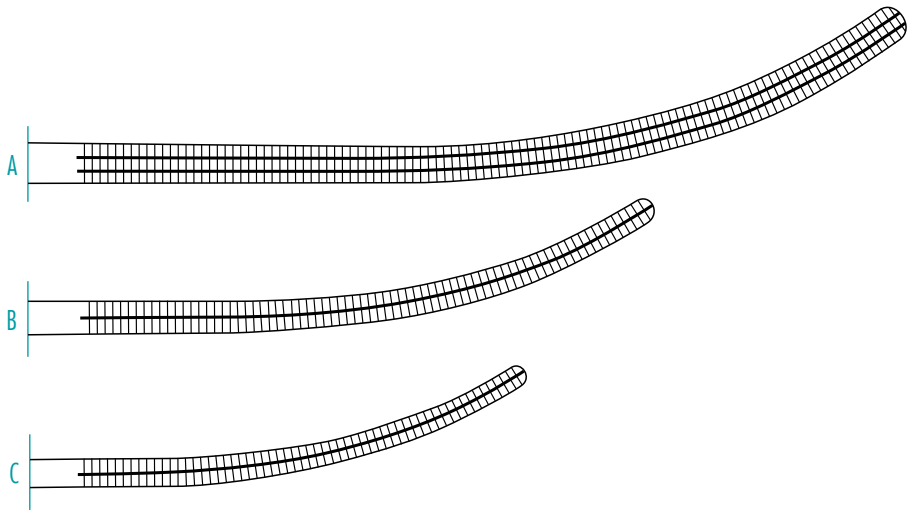
310mm, 12 1/4"	290-512-315

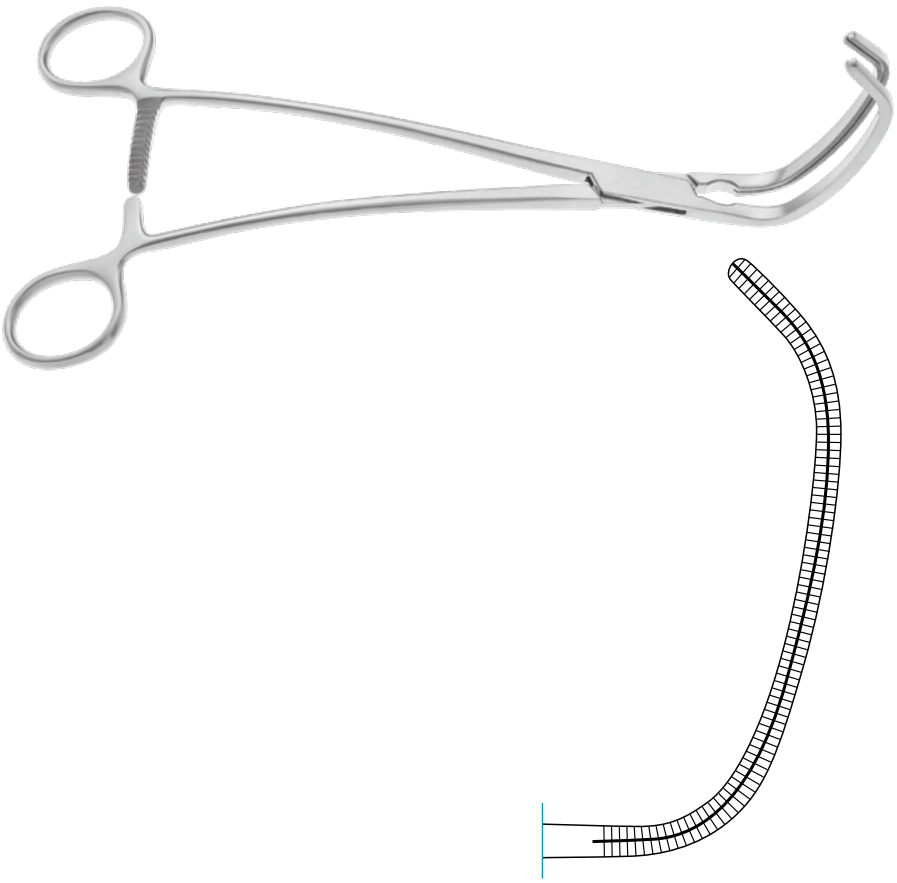




COOLEY
Clamp, curved, 3x3 teeth

A 335mm, 13"	290-515-330
2x2 teeth	
B 265mm, 10 1/2"	290-514-260
C 190mm, 7 1/2"	290-514-190





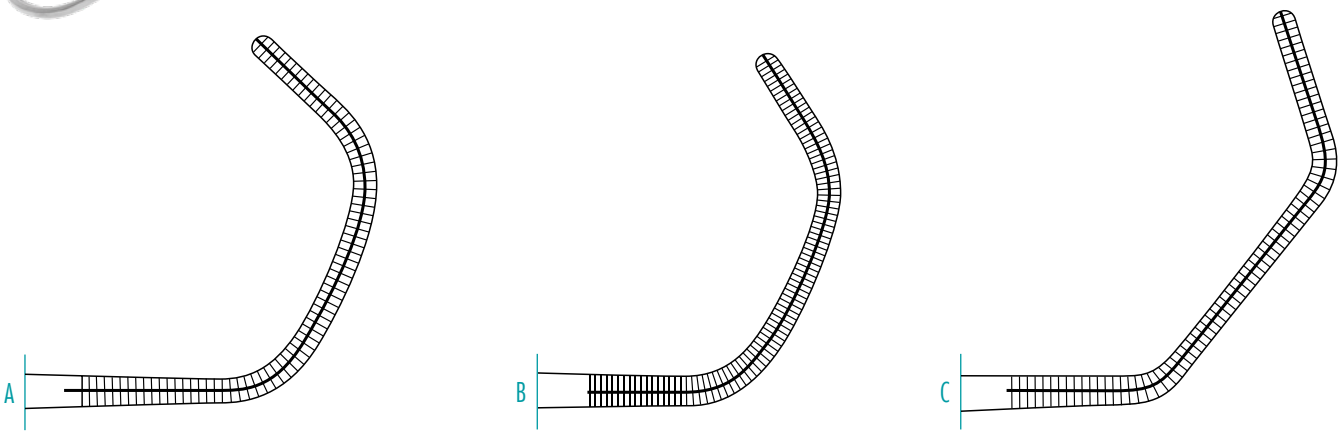
COOLEY
Clamp

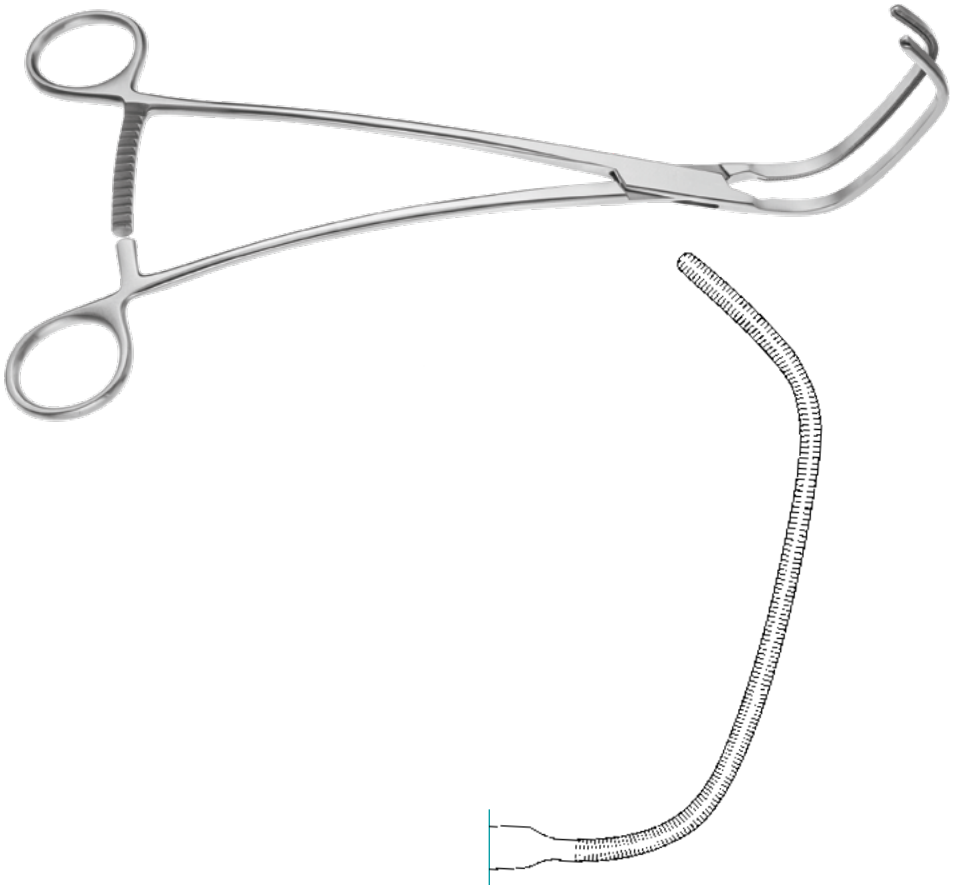
225mm, 8 7/8"	290-516-220
260mm, 10 1/4"	290-516-260
270mm, 10 2/3"	290-516-270



COOLEY
Clamp, shanks stronly curved backwards

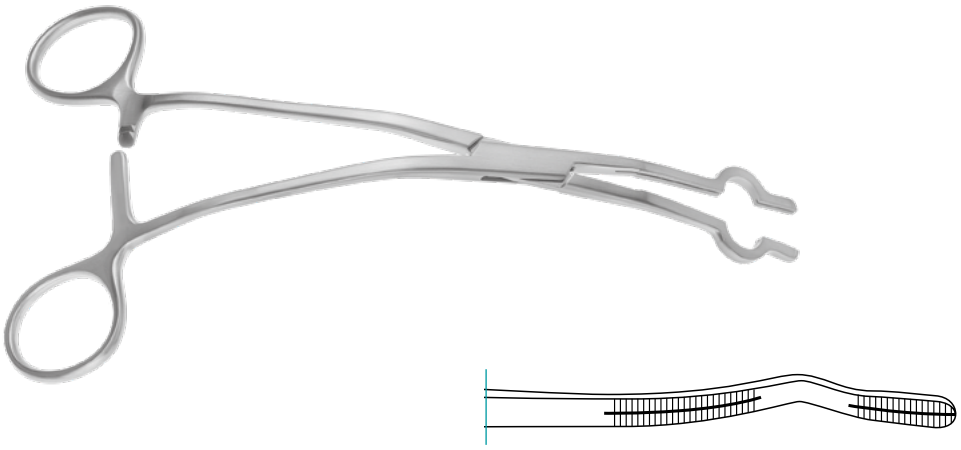
A 200mm, 8"	290-517-200
B 210mm, 8 1/4"	290-517-210
C 255mm, 10"	290-517-250





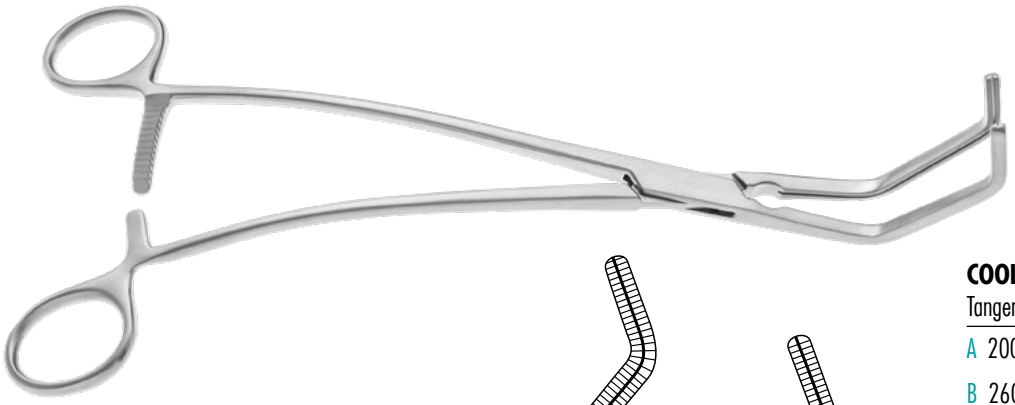
COOLEY
Clamp, double curved,
shanks curved backwards

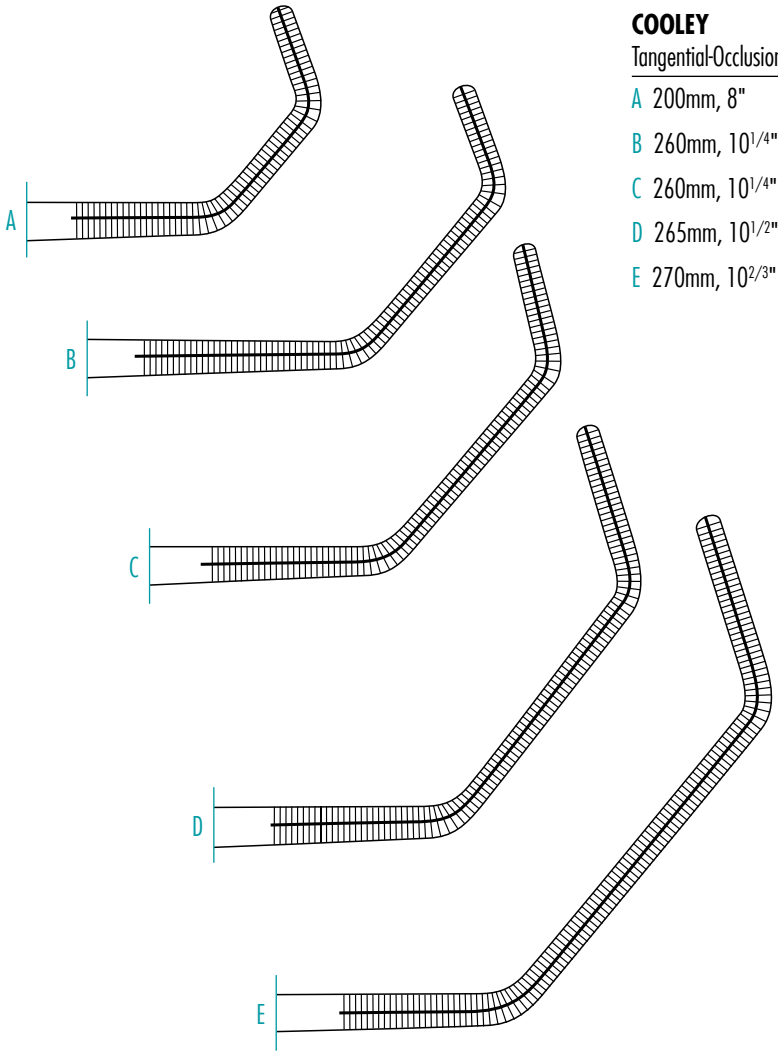
270mm, $10^{2/3}$"	290-518-270



COOLEY
Clamp, 170mm, $6^{2/3}$"

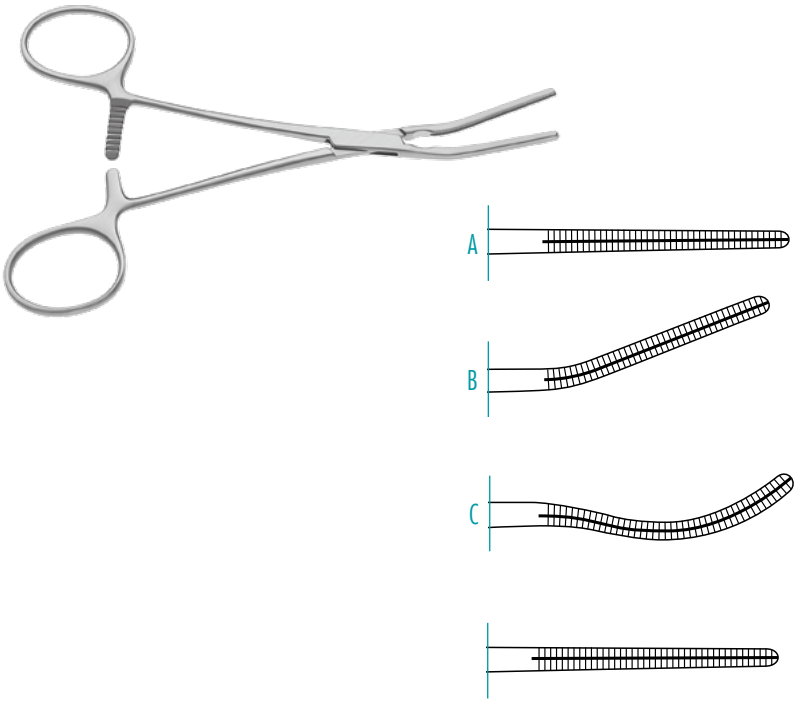
20 Charr.	290-350-010
24 Charr.	290-350-001
26 Charr.	290-350-002
28 Charr.	290-350-003
30 Charr.	290-350-004
32 Charr.	290-350-005
36 Charr.	290-350-007





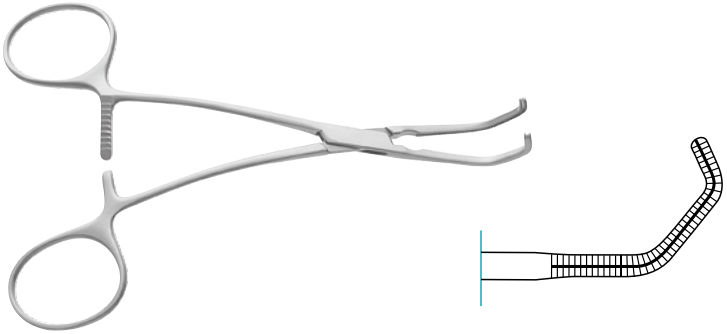
COOLEY
Tangential-Occlusion Clamp

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

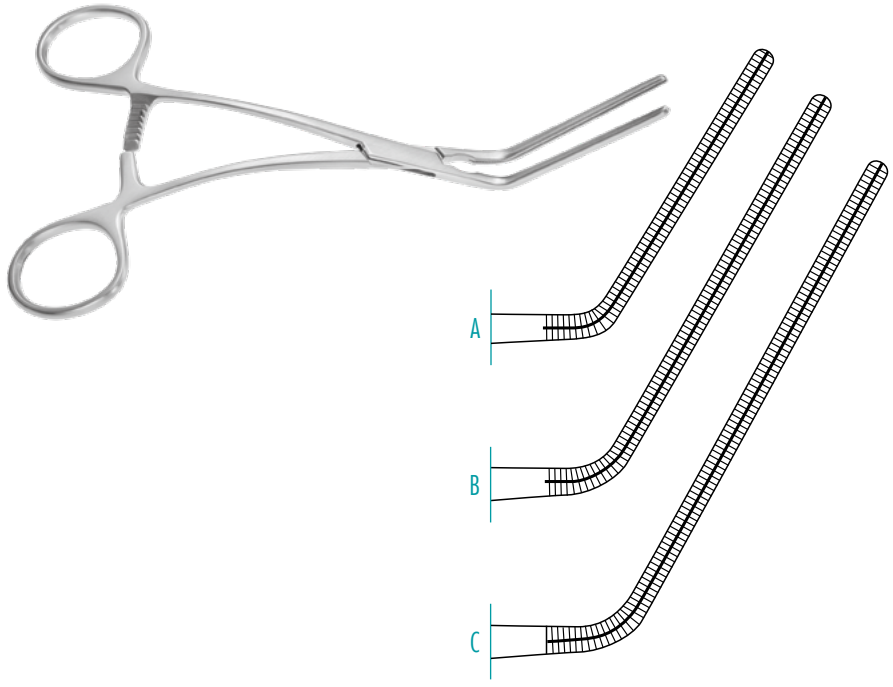


shanks angled

290-466-003

COOLEY
Pediatric Clamp
shanks curved backwards

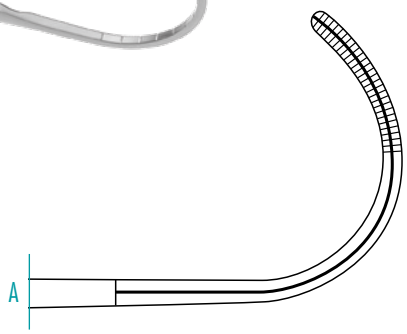
140mm, 5 1/2"	290-466-004

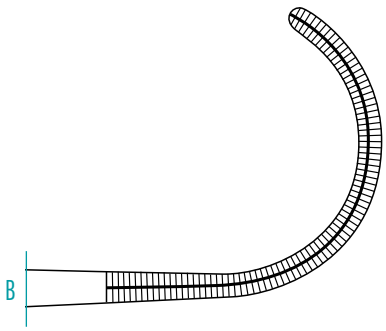


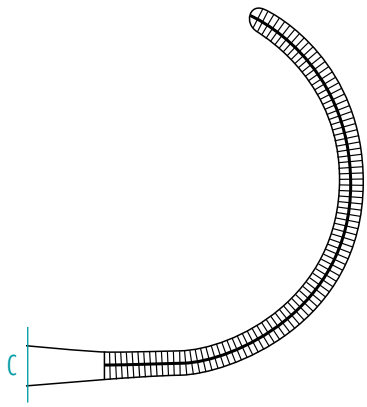
COOLEY
Pediatric Clamp

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

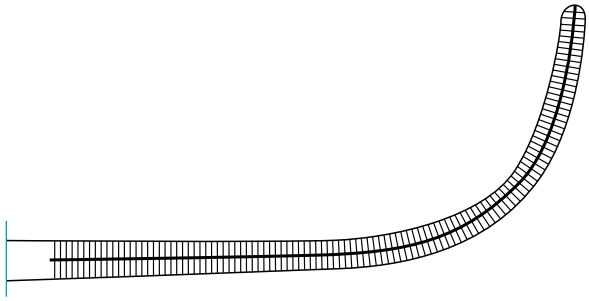
Forceps, shanks backwards

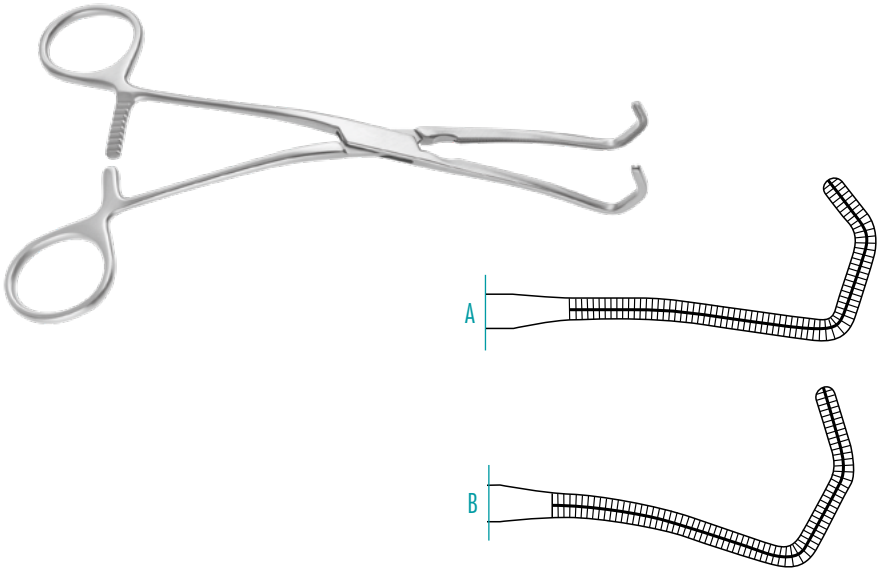
A	170mm, $6^{2/3}$"	290-477-150
B	160mm, $6^{1/4}$"	290-477-160
C	170mm, $6^{2/3}$"	290-477-170



COOLEY
Clamp, shanks curved backwards

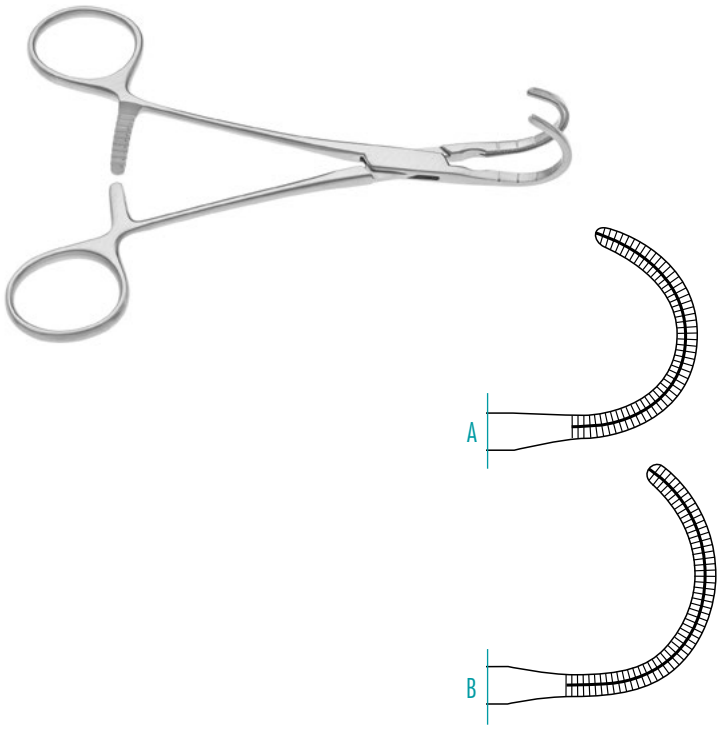
270mm, $10^{2/3}$"	290-513-270





COOLEY
Clamp, shanks curved backwards

A 170mm, $6^{2/3}$"	290-470-170
B 170mm, $6^{2/3}$"	290-471-160

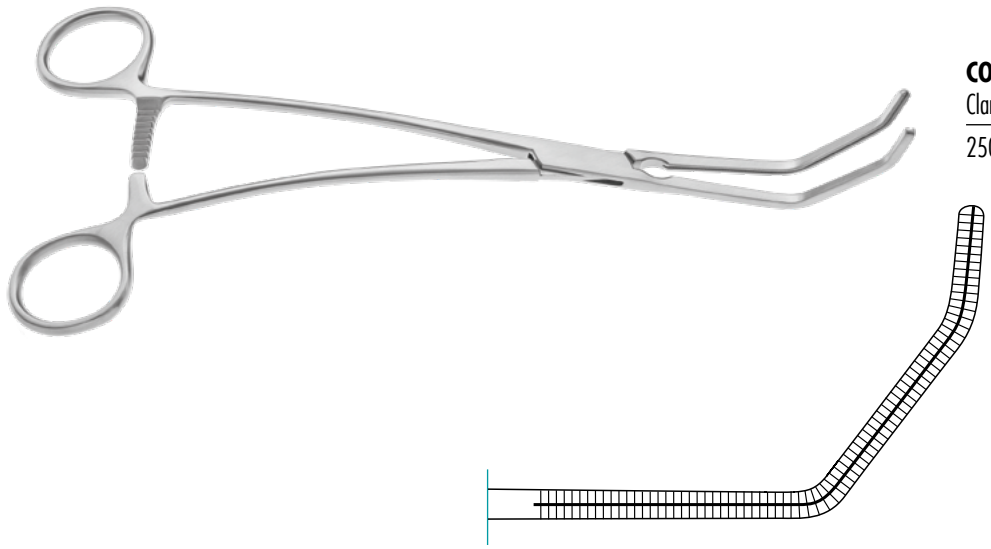


COOLEY BECK
Vessel Clamp, 150mm, 6"
narrow curved

A	290-478-150

wide curved

B	290-478-155



COOLEY
Clamp, s-angled, shanks curved backwards

250mm, $9^{7/8}$"	290-513-240



FOGARTY
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
Clamp, 60° curved

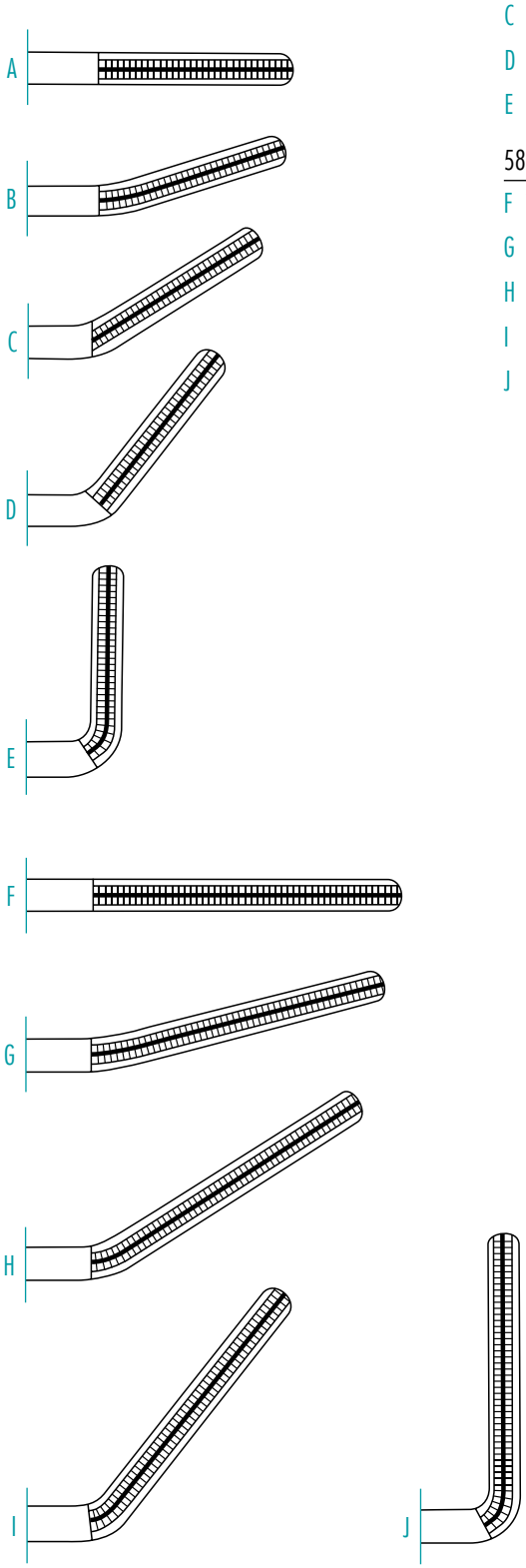
33mm, 160mm, $6^{1/4}$"	290-488-160
61mm, 260mm, $10^{1/4}$"	290-488-260



FOGARTY
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



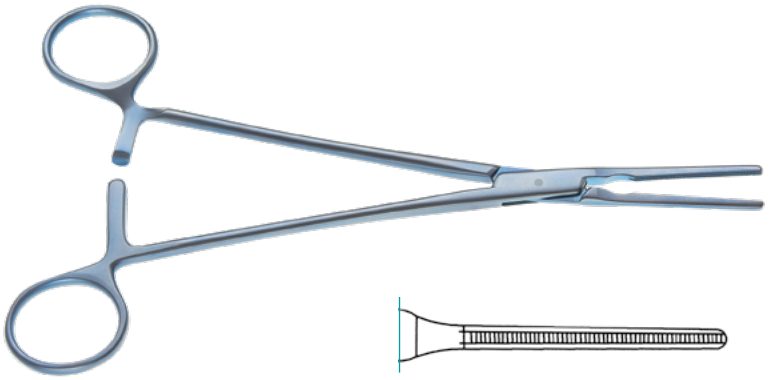


DARDIK
Multi-Purpose Clamp, 38mm

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
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

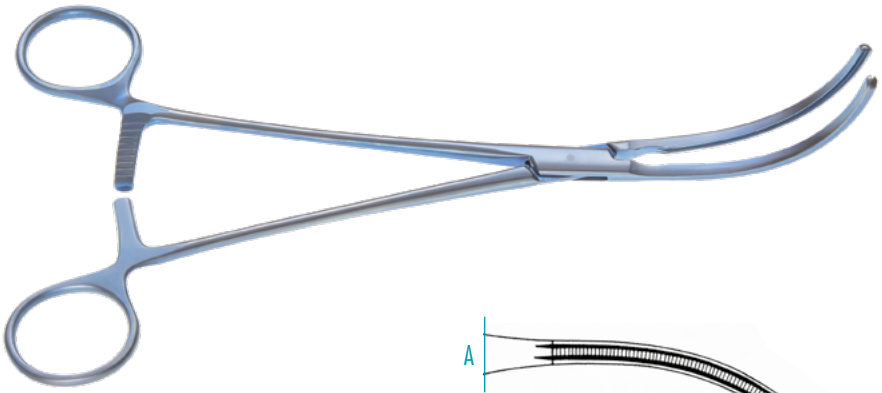


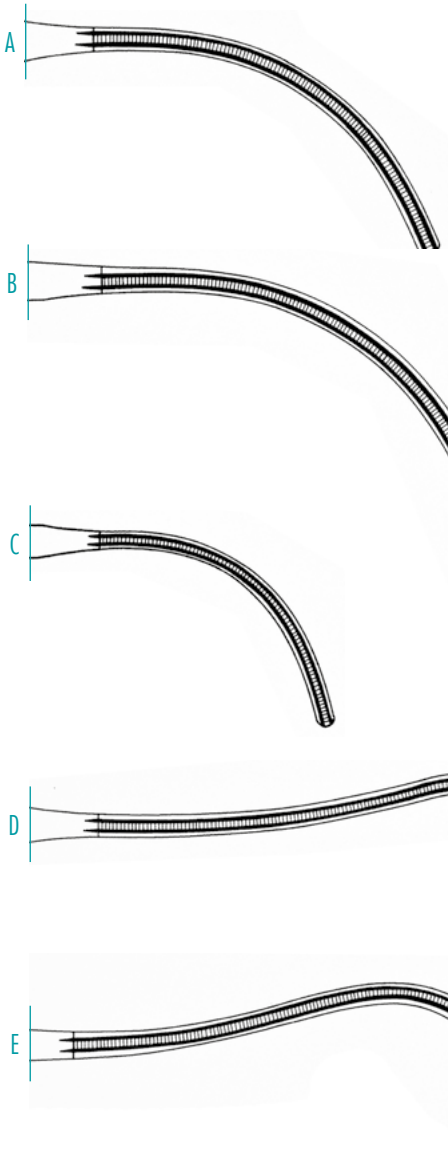
straight shanks

220mm, 8 2/3"	290-700-220

angled shanks

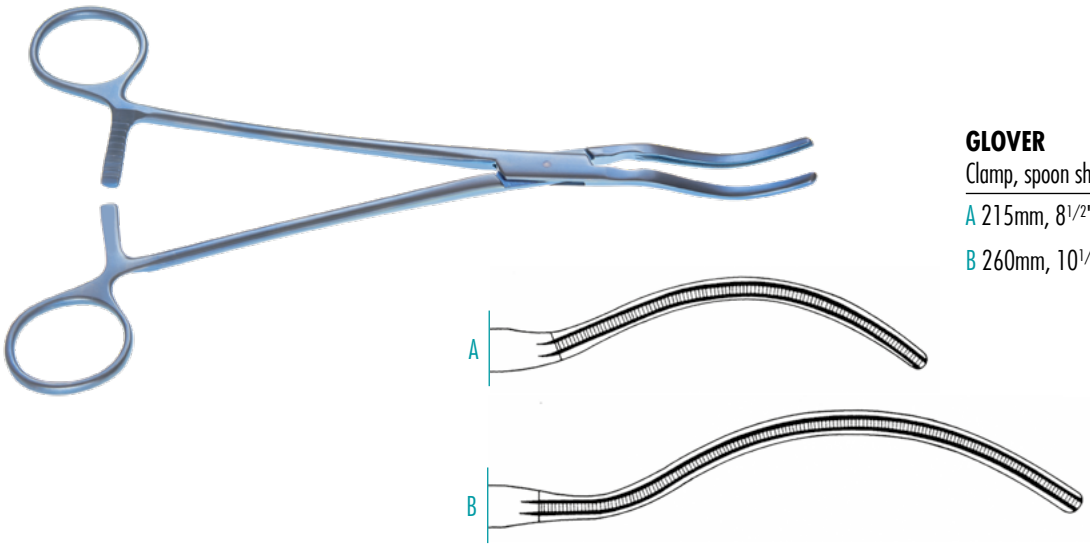
220mm, 8 2/3"	290-701-220





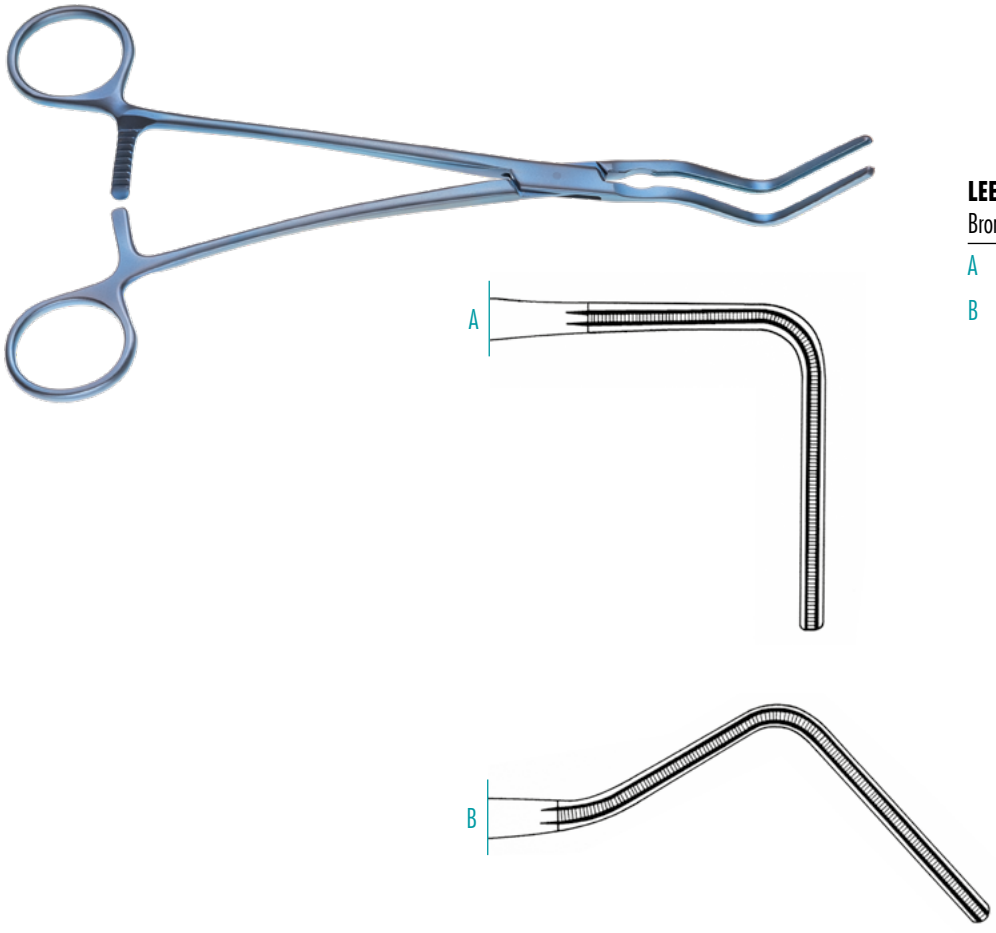
GLOVER
Clamp

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



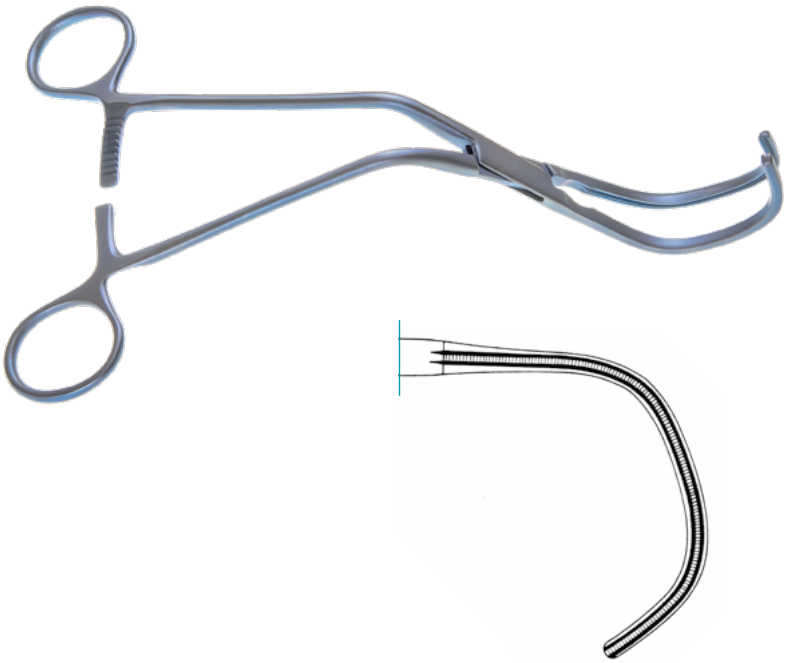
GLOVER
Clamp, spoon shaped

A 215mm, $8^{1/2}$"	290-703-210
B 260mm, $10^{1/4}$"	290-703-260



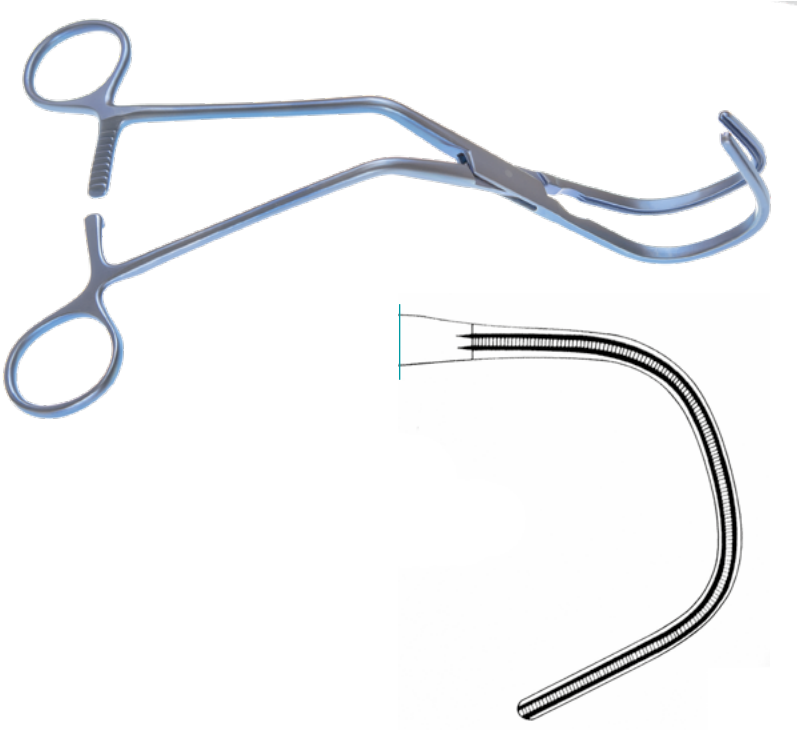
LEES
Bronchus Clamp, 220mm, $8^{2/3}$"

A	290-707-220
B	290-707-230



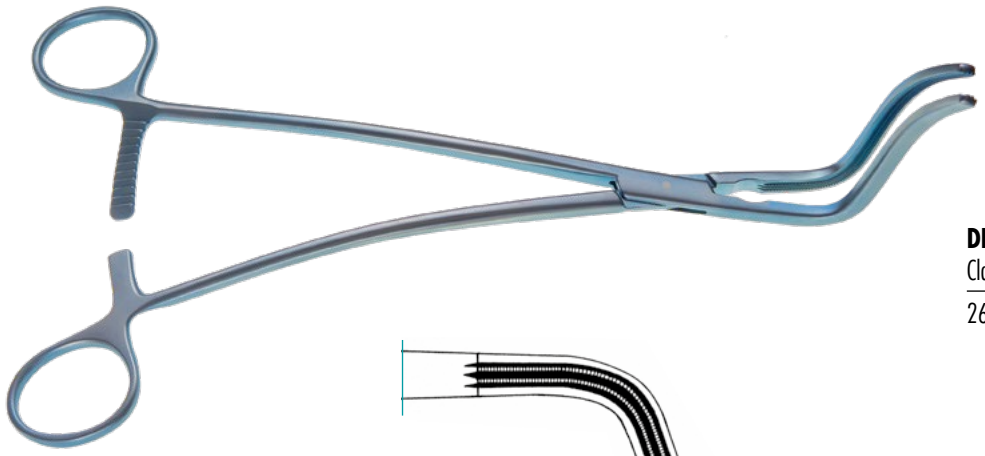
LAMBERT-KAY
Clamp

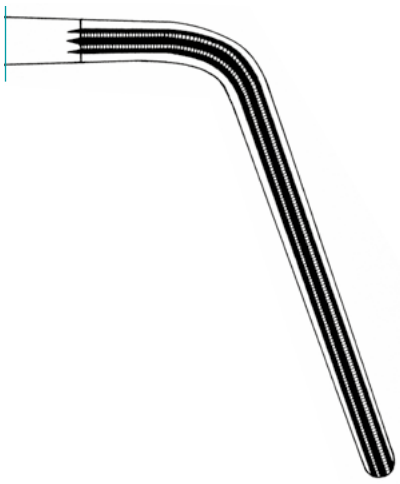
200mm, 8"	290-730-210



KAY
Clamp

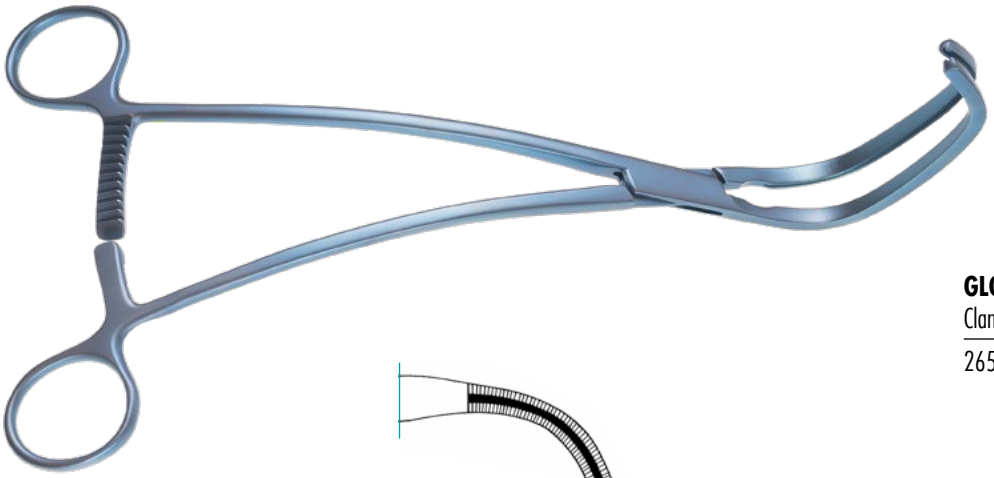
200mm, 8"	290-711-200

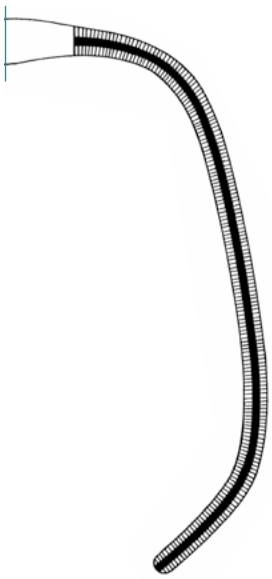




DEBAKEY
Clamp

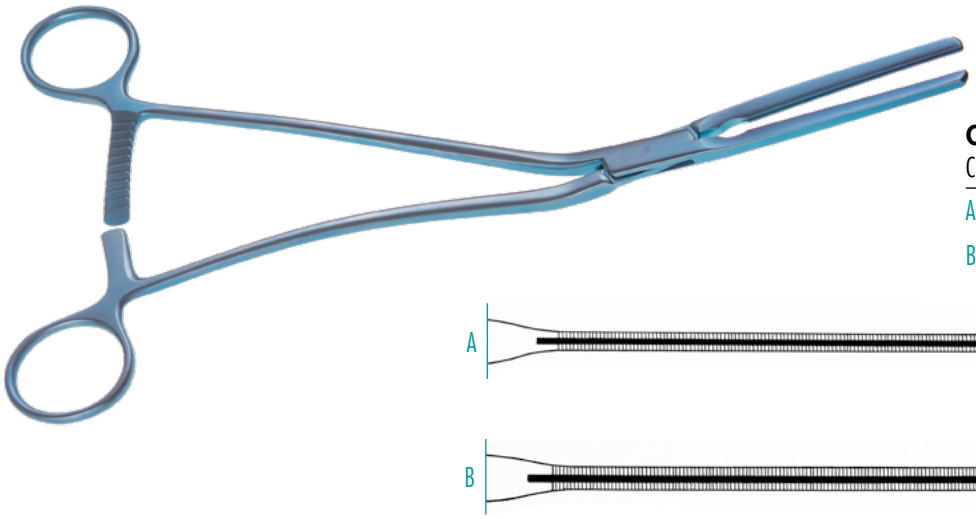
265mm, 10 1/2"	290-713-260





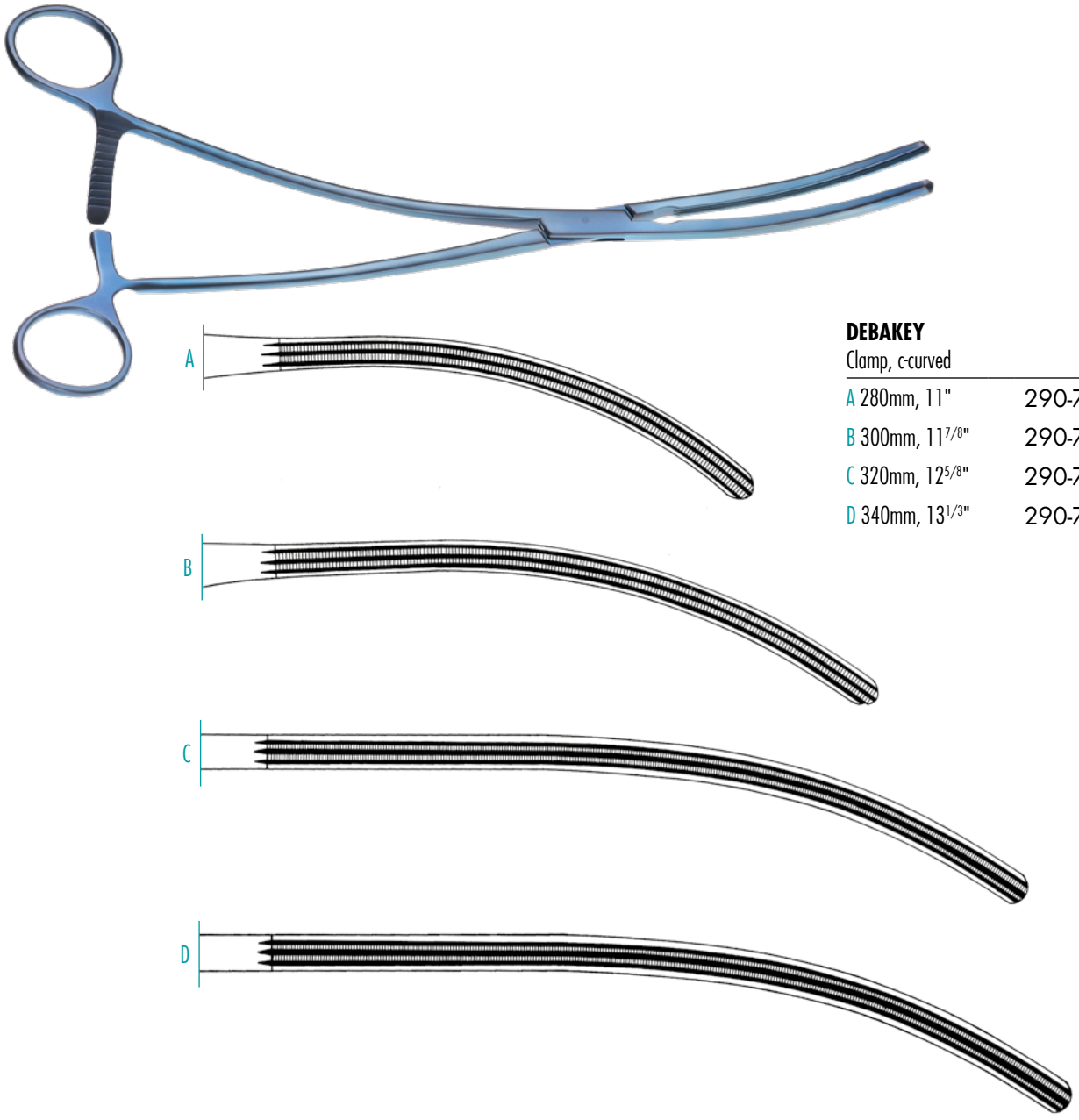
GLOVER
Clamp

265mm, 10 1/2"	290-715-260



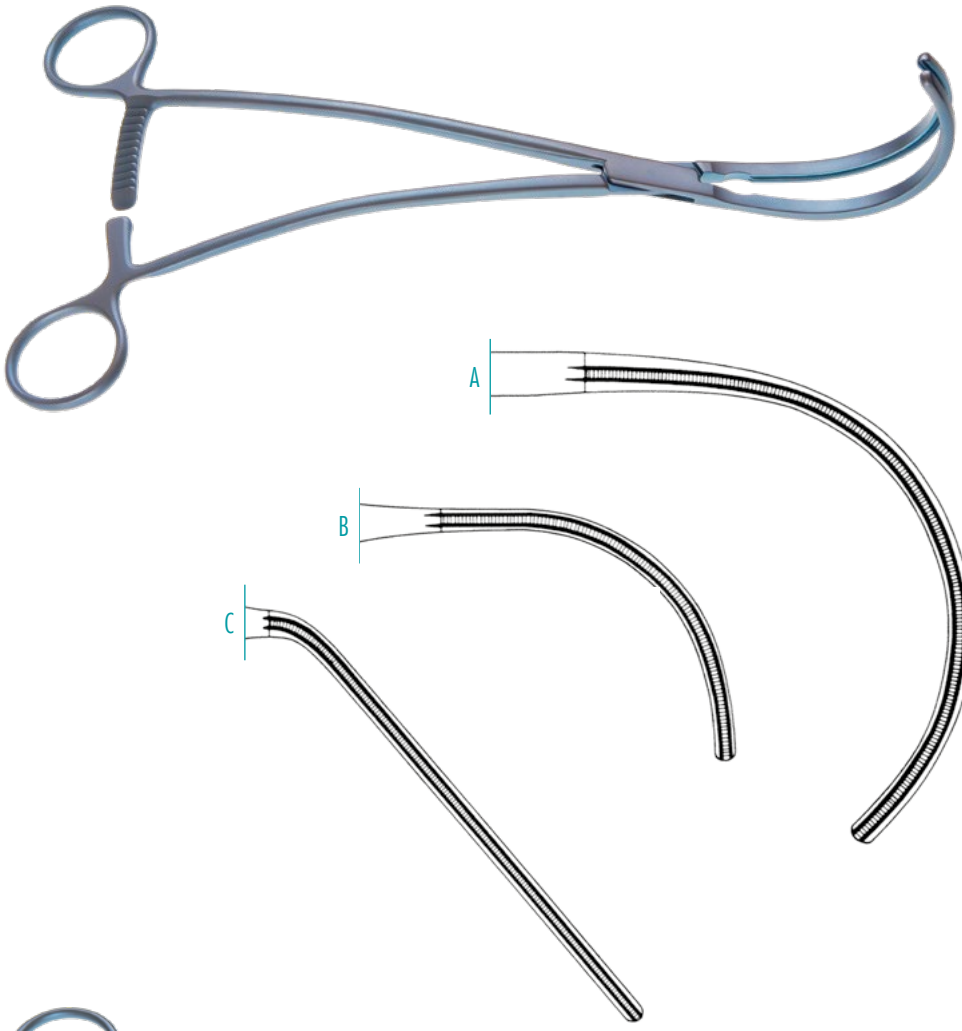
COOLEY
Clamp

A 215mm, $8^{1/2}$"	290-717-210
B 260mm, $10^{1/4}$"	290-717-260



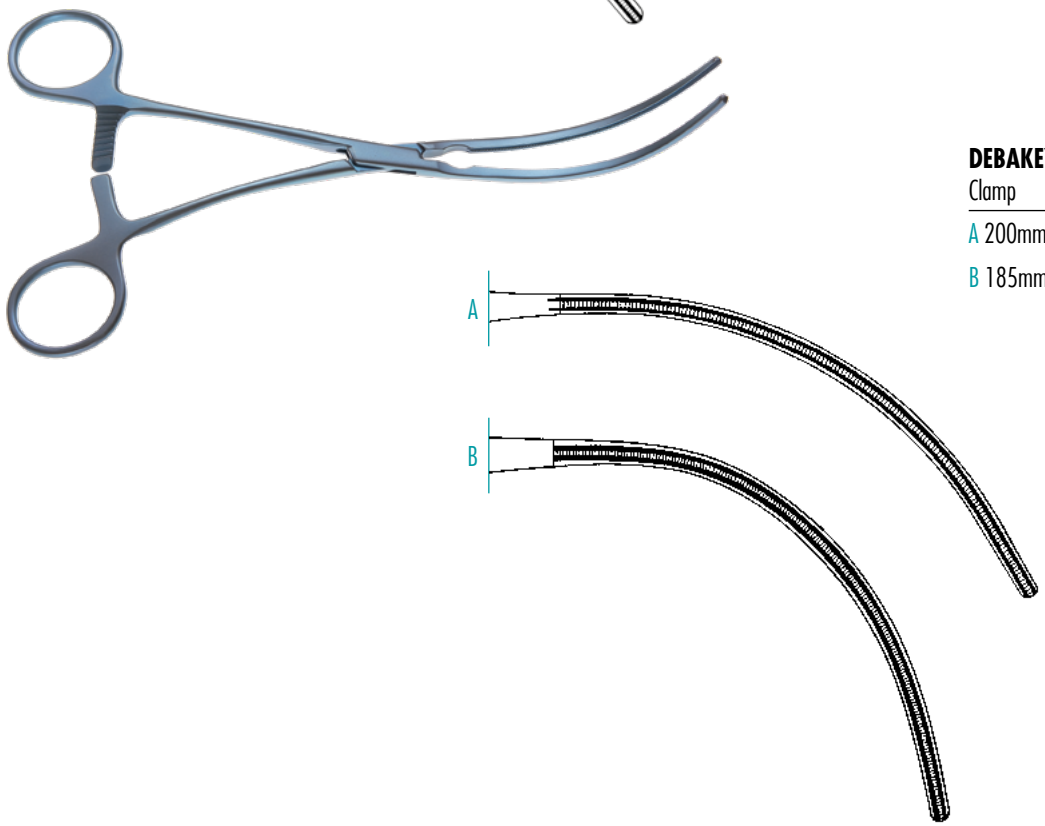
DEBAKEY
Clamp, c-curved

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



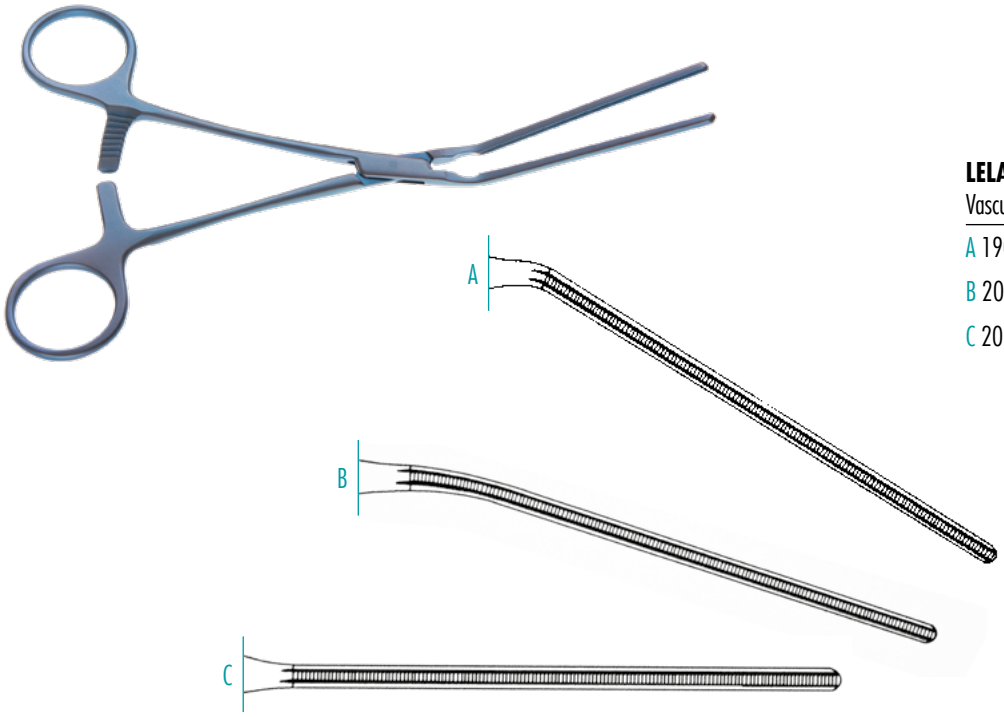
DEBAKEY
Clamp

A 265mm, 10 1/2"	290-727-270
B 260mm, 10 1/4"	290-727-260
C 180mm, 7"	290-729-180



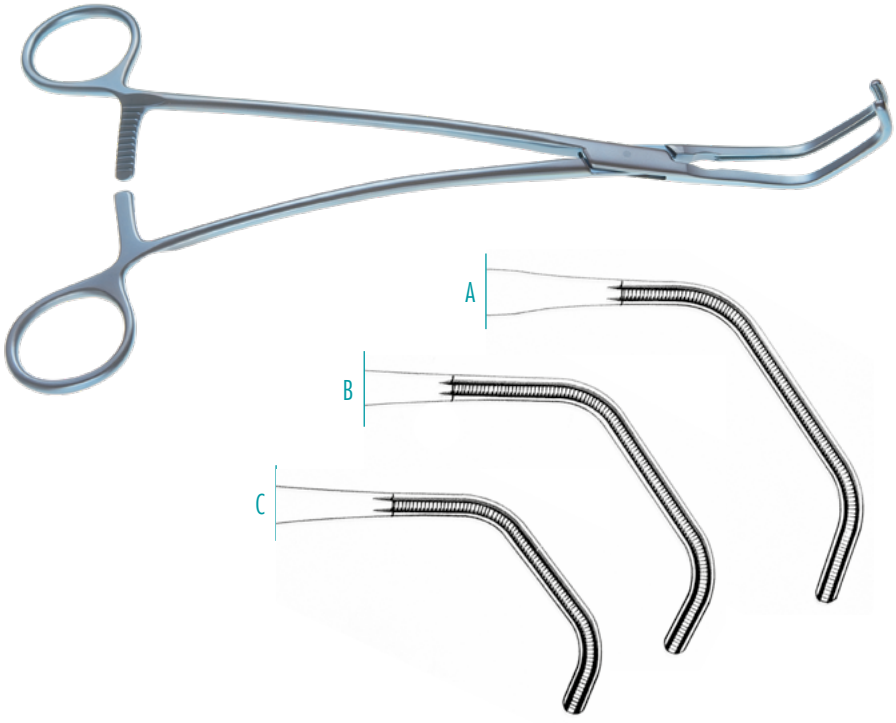
DEBAKEY
Clamp

A 200mm, 8"	290-727-200
B 185mm, 7 1/4"	290-727-180



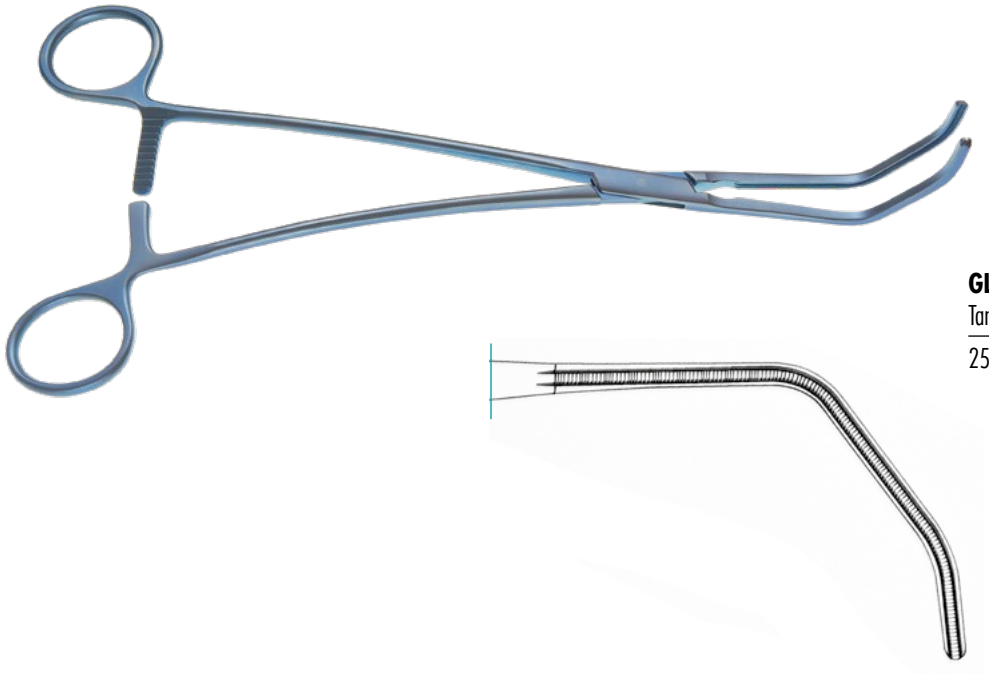
LELAND JONES
Vascular Clamp

A 190mm, 7 1/2"	290-731-190
B 200mm, 8"	290-731-200
C 205mm, 8 1/8"	290-731-210



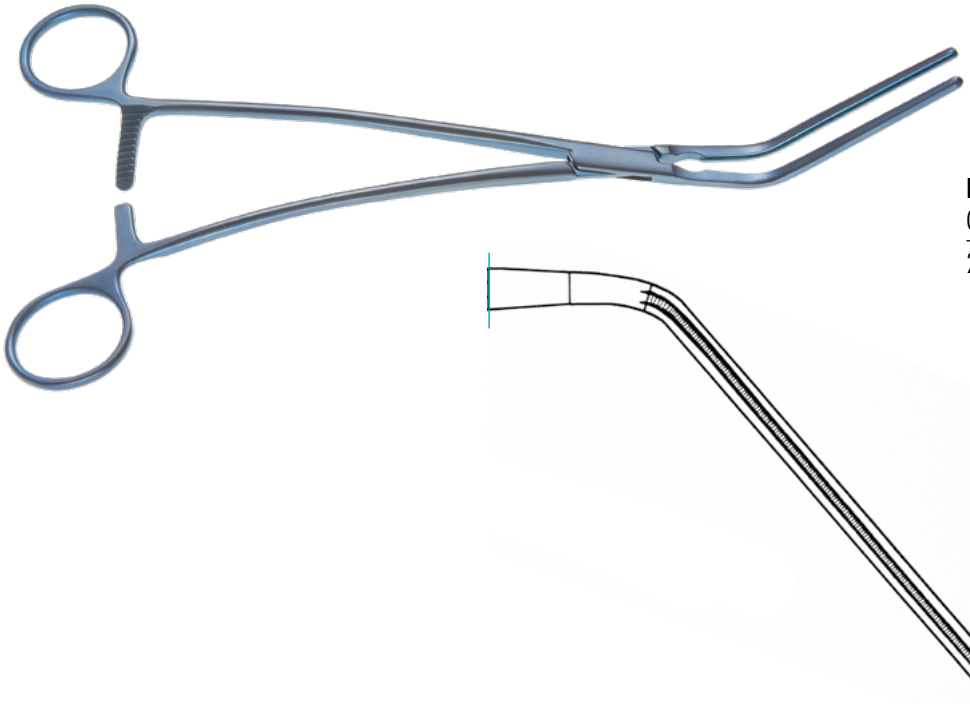
SATINSKY
Clamp, 250mm, 9 7/8"

A	290-735-001
B	290-735-002
C	290-735-003



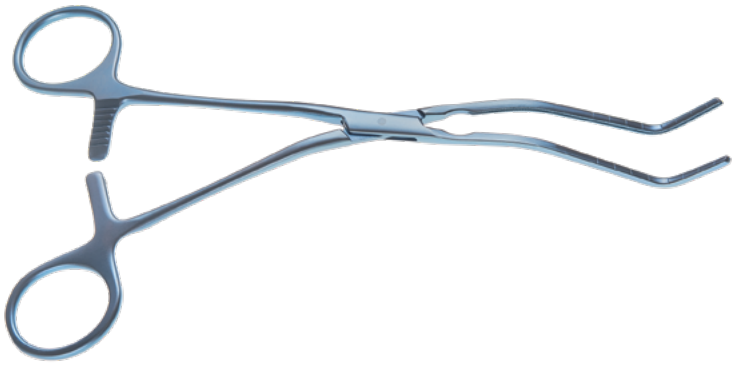
GLOVER
Tangential Clamp

250mm, 9 7/8"	290-735-250



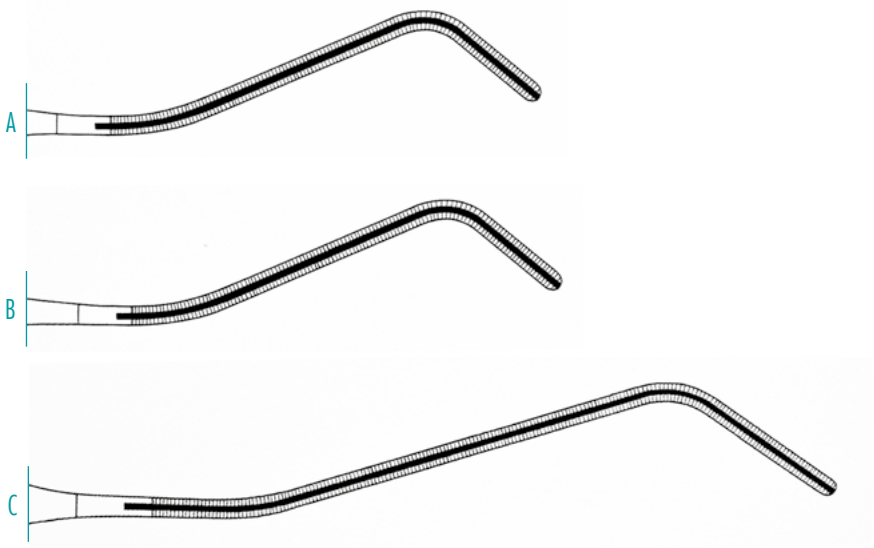
DEBAKEY
Clamp

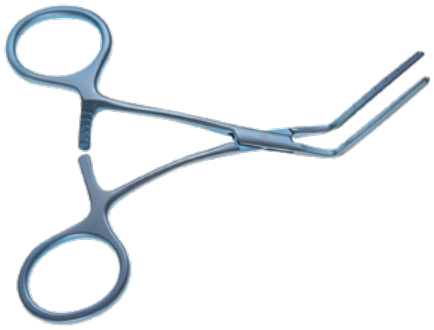
250mm, 9 7/8"	290-737-260

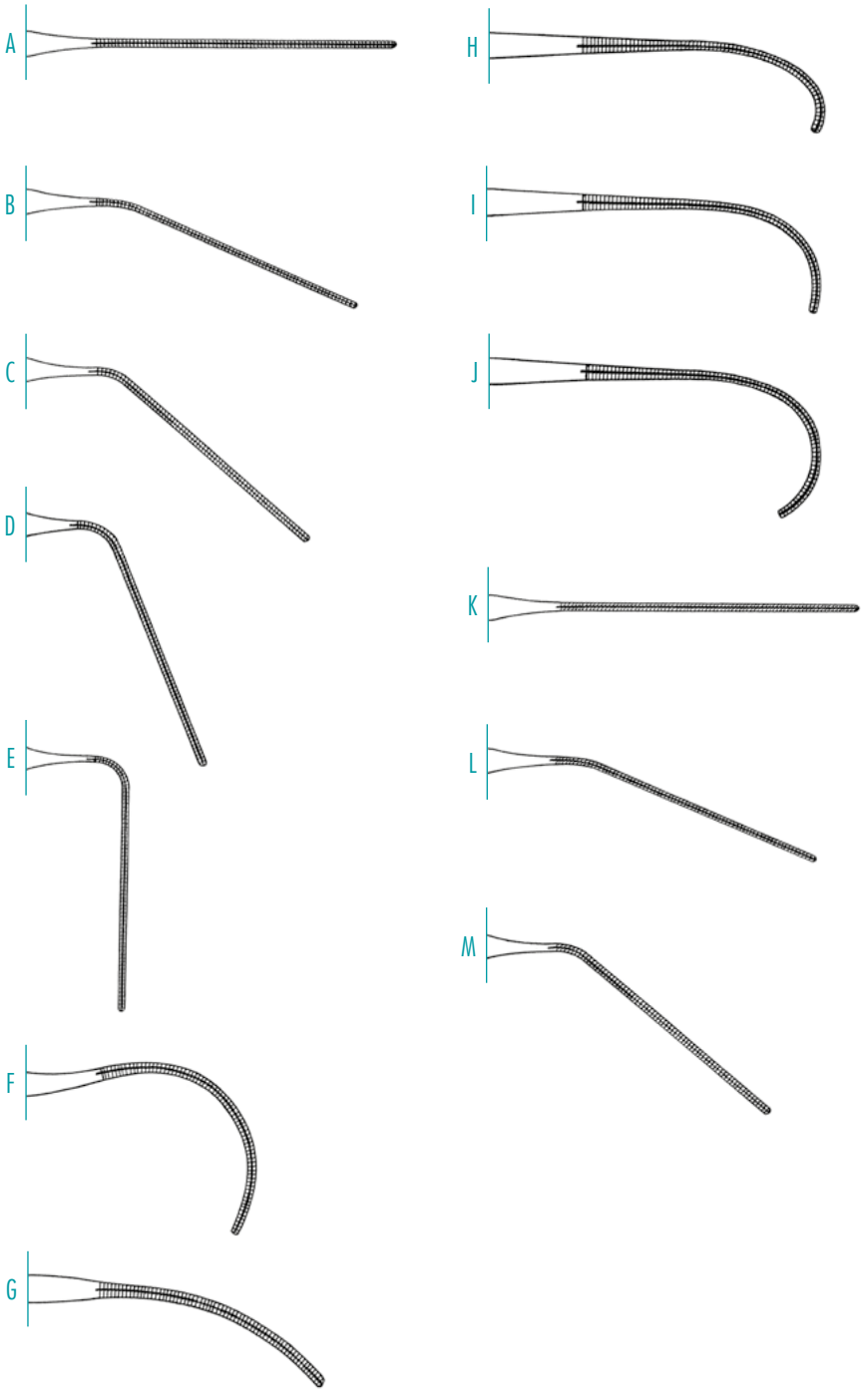


COOLEY
Renal Artery Clamp

A 190mm, $7^{1/2}$"	290-739-190
B 200mm, 8"	290-739-200
C 270mm, $10^{2/3}$"	290-739-270

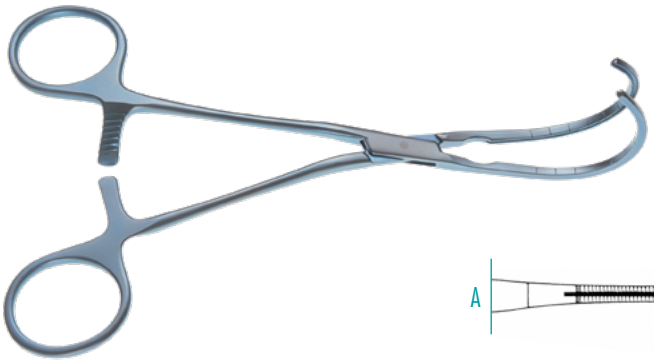


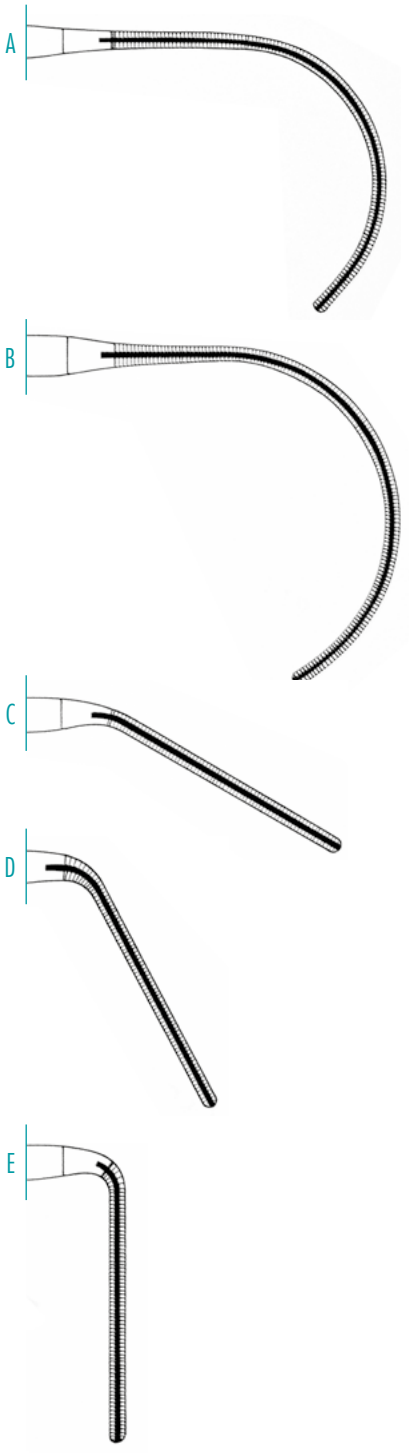




CASTANEDA
Pediatric Clamp

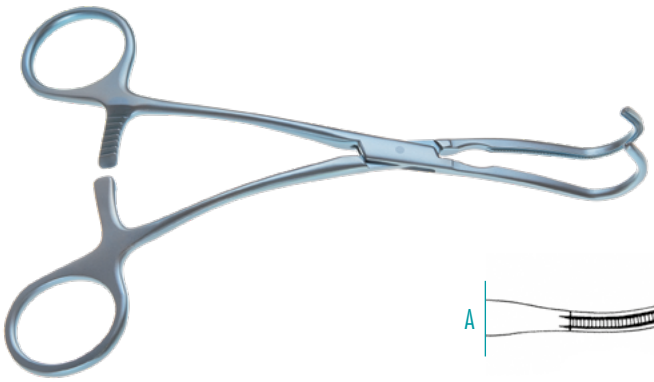
A 130mm, 5 1/8"	290-732-130
B 130mm, 5 1/8"	290-734-130
C 130mm, 5 1/8"	290-735-130
D 120mm, 4 3/4"	290-734-120
E 110mm, 4 1/3"	290-732-110
F 120mm, 4 3/4"	290-793-120
G 130mm, 5 1/8"	290-794-130
H 150mm, 6"	290-796-150
I 150mm, 6"	290-795-150
J 150mm, 6"	290-797-150
K 160mm, 6 1/4"	290-798-160
L 160mm, 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



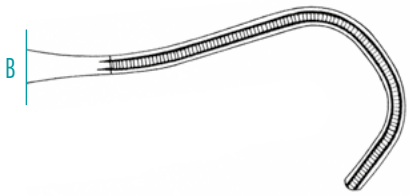


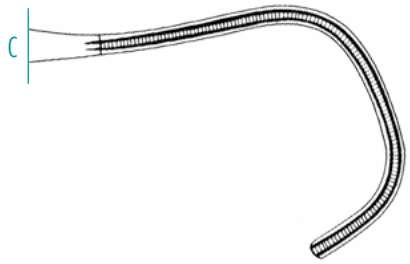
COOLEY
Pediatric Clamp

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



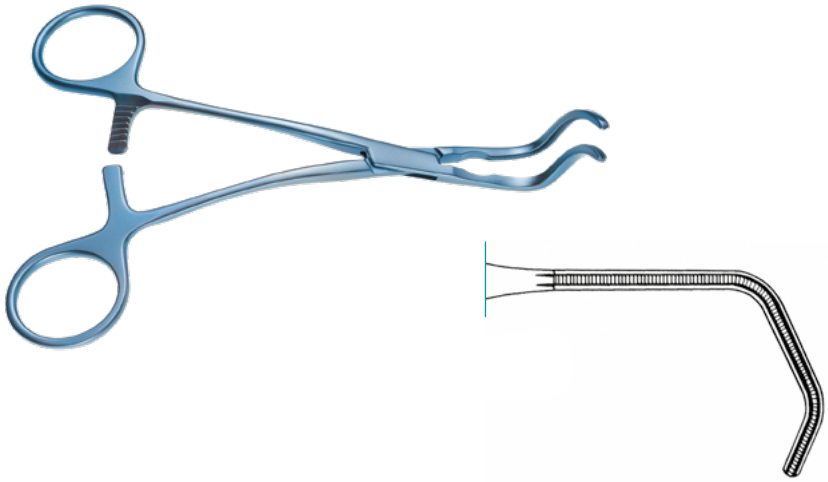






DERRA
Anastomosis Pediatric Clamp

A 165mm, $6^{1/2}$"	290-758-165
B 170mm, $6^{2/3}$"	290-758-170
C 180mm, 7"	290-759-180



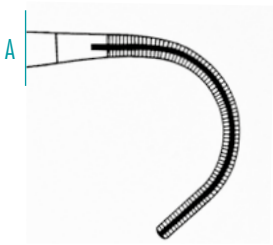
SUBRAMANIAN
Clamp

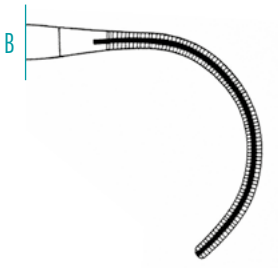
160mm, 6 1/4"	290-733-160

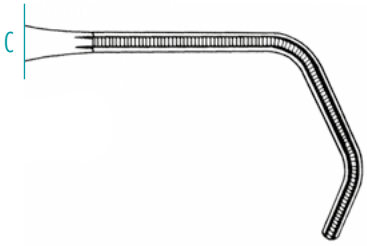


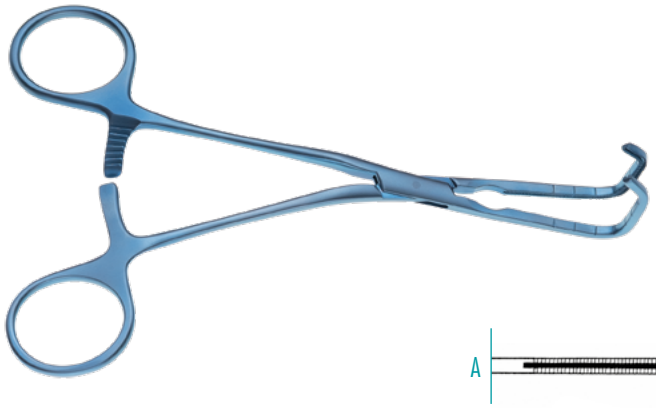
BECK
Pediatric Clamp, 150mm, 6"

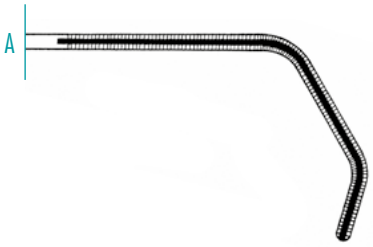
A small jaw	290-734-150
B large jaw	290-735-150
C 165mm, 6 1/2"	290-732-165

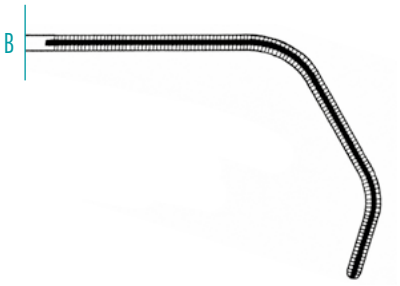


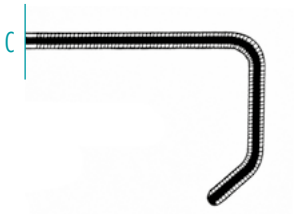


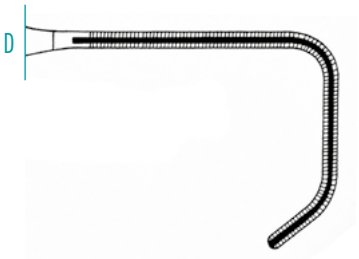






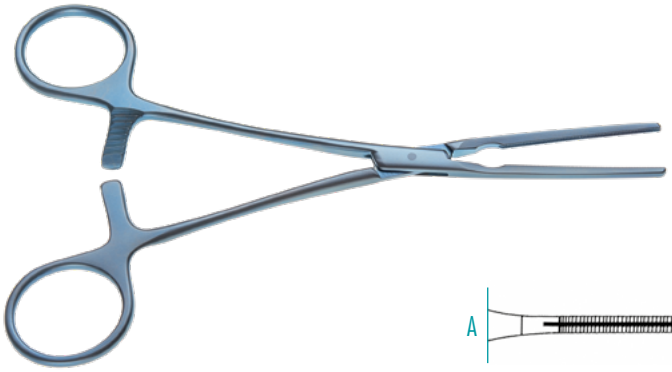






COOLEY
Pediatric Clamp

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

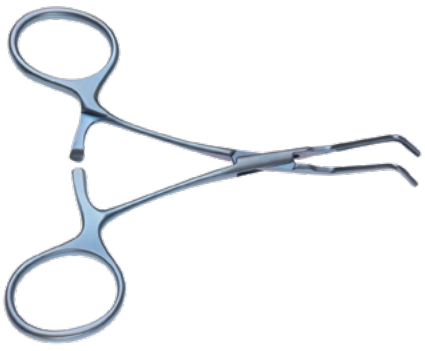
B 170mm, $6^{2/3}$"	290-765-170

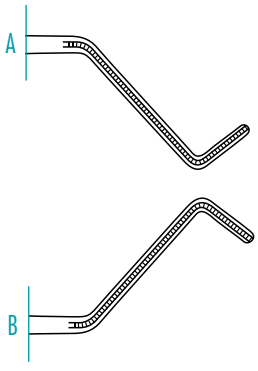
straight shanks, curved jaw

C 170mm, $6^{2/3}$"	290-766-170

straight shanks, spoon-shaped jaw

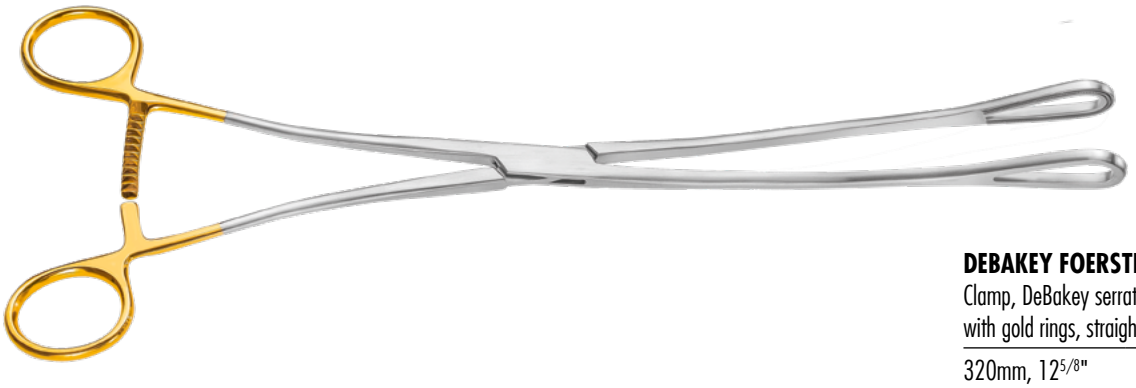
D 170mm, $6^{2/3}$"	290-767-170





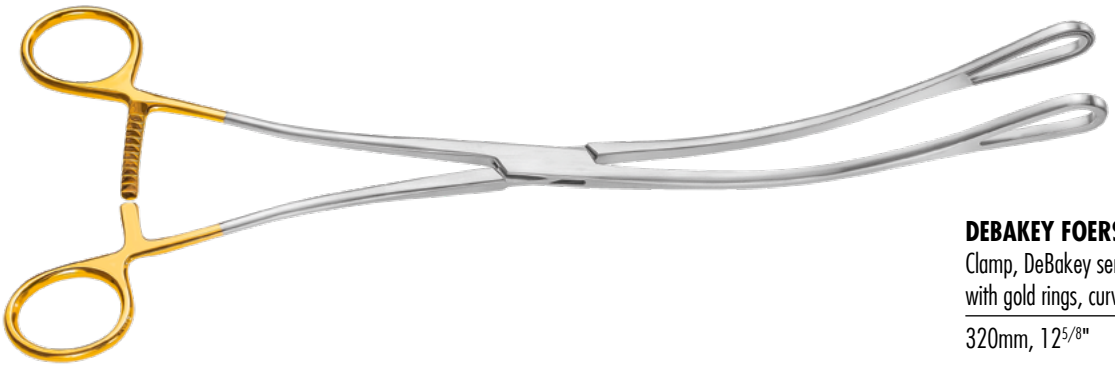
KITZMILLER
Pediatric Clamp, 110mm, $4^{1/3}$"

A left angled	290-723-110
B right angled	290-725-110



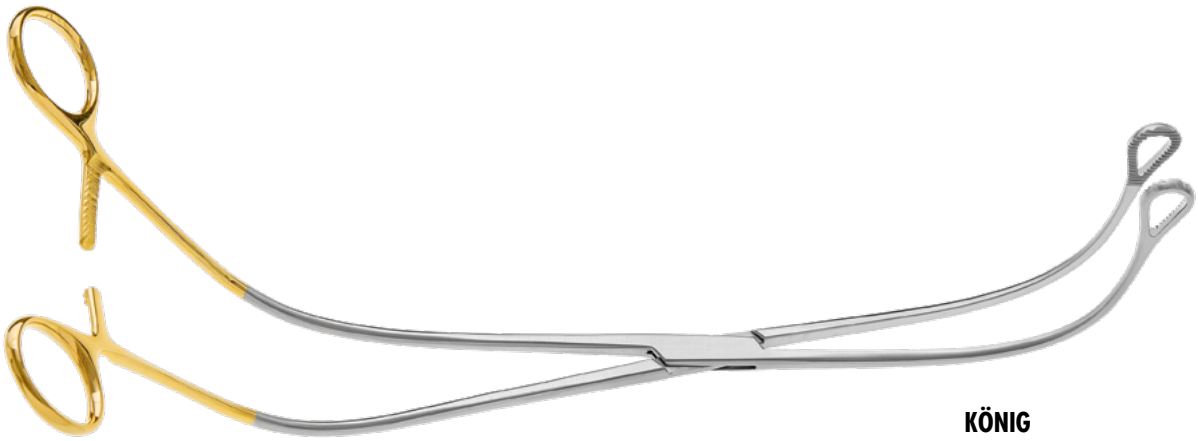
DEBAKEY FOERSTER
Clamp, DeBakey serrations,
with gold rings, straight

320mm, $12^{5/8}$" 290-000-320



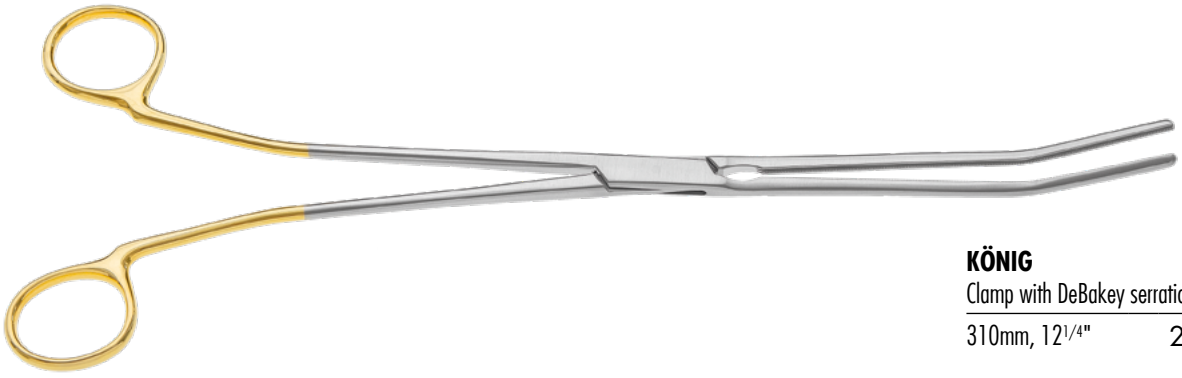
DEBAKEY FOERSTER
Clamp, DeBakey serrations,
with gold rings, curved

320mm, $12^{5/8}$" 290-000-321



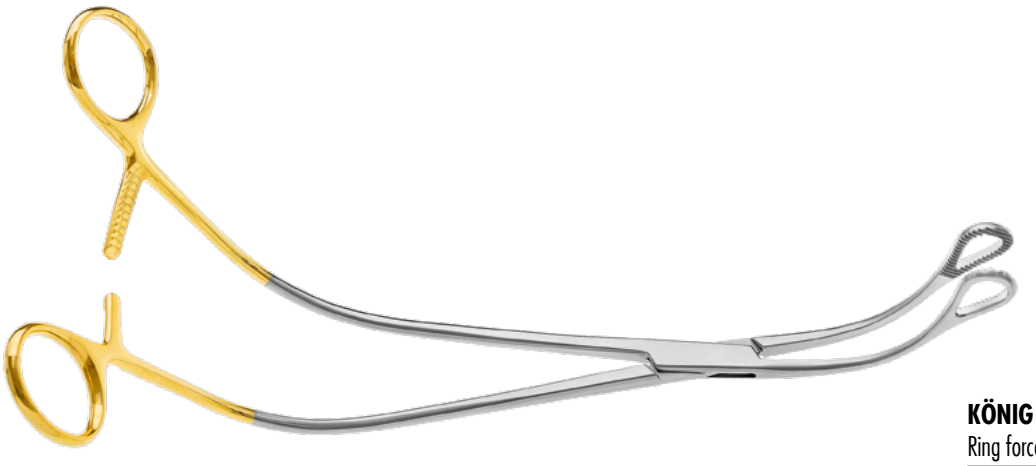
KÖNIG
Ring forceps for thoracic surgery

310mm, 12 1/4"	290-000-315



KÖNIG
Clamp with DeBakey serration

310mm, 12 1/4"	290-000-310



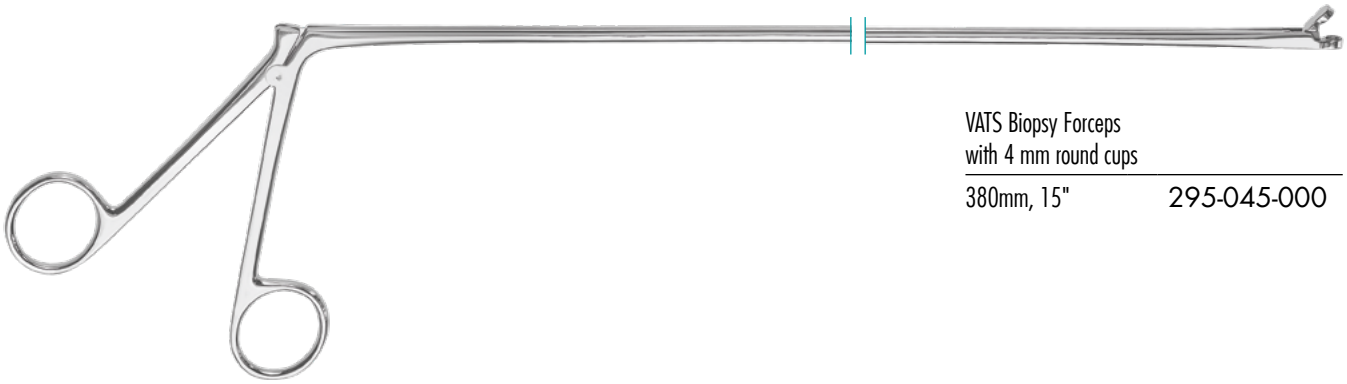
KÖNIG
Ring forceps for thoracic surgery

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

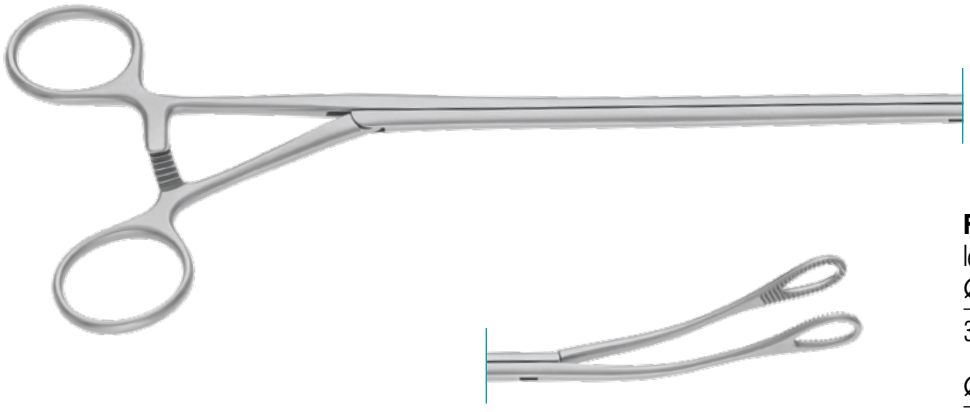
250mm, 9 7/8"	295-080-150
280mm, 11"	295-080-280

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

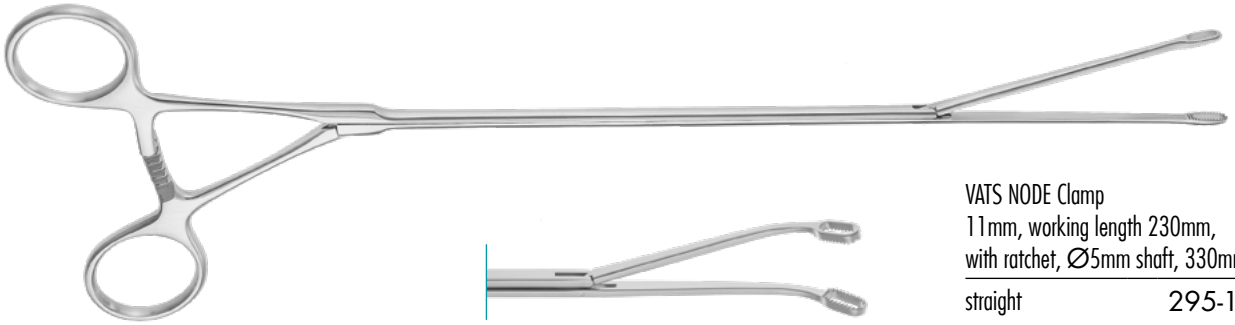
25mm jaw width
235mm working length

330mm, 13"	295-310-002



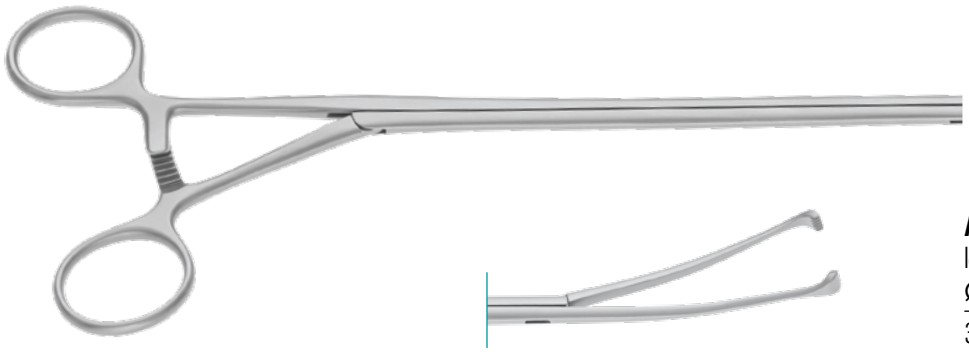
Dissecting Forceps, left curved,
∅ 7mm shaft, 230mm working length

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

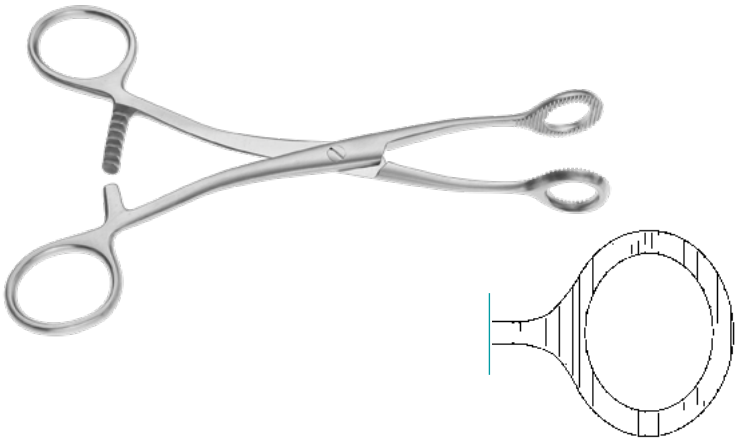
270mm working length, with ratchet, Fig. 2

370mm, 14 1/2"	295-290-012



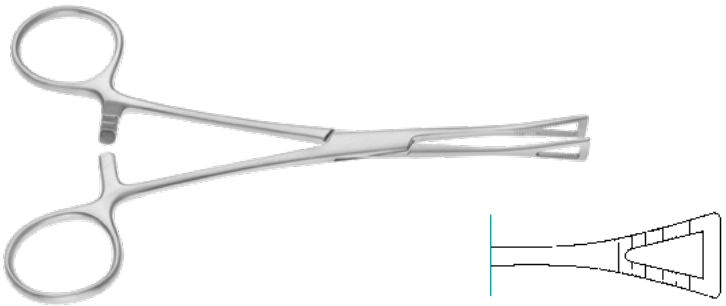
D'AMICO
∅ 10mm shaft, 110mm jaw length
270mm working length, 370mm, 14 1/2"

straight	295-290-200
curved	295-290-201



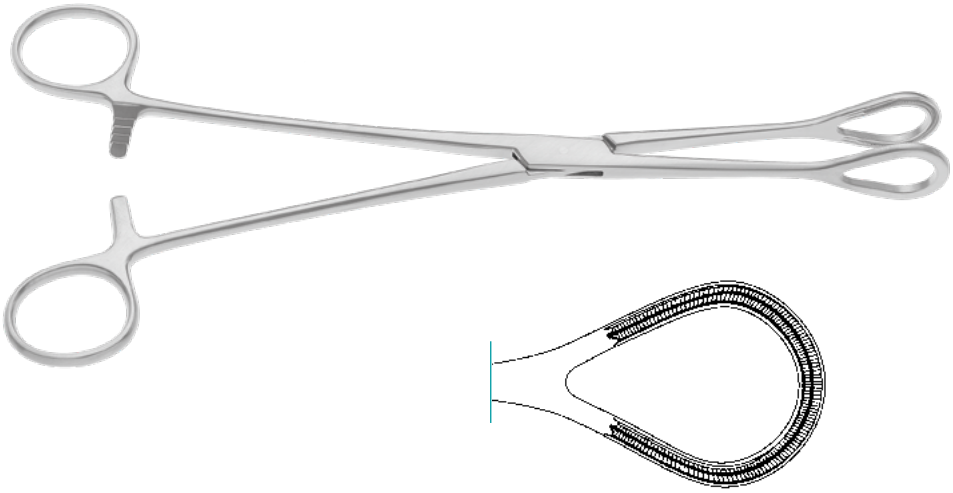
COLLIN
Hemostatic Forceps

160mm, 6 1/4"	140-236-160



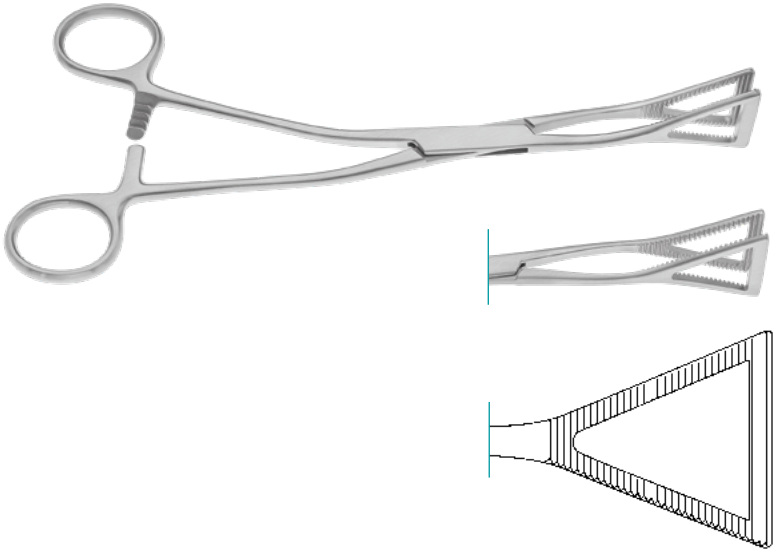
PENNINGTON
Tissue Holding Forceps

155mm, 6 1/8"	140-240-155



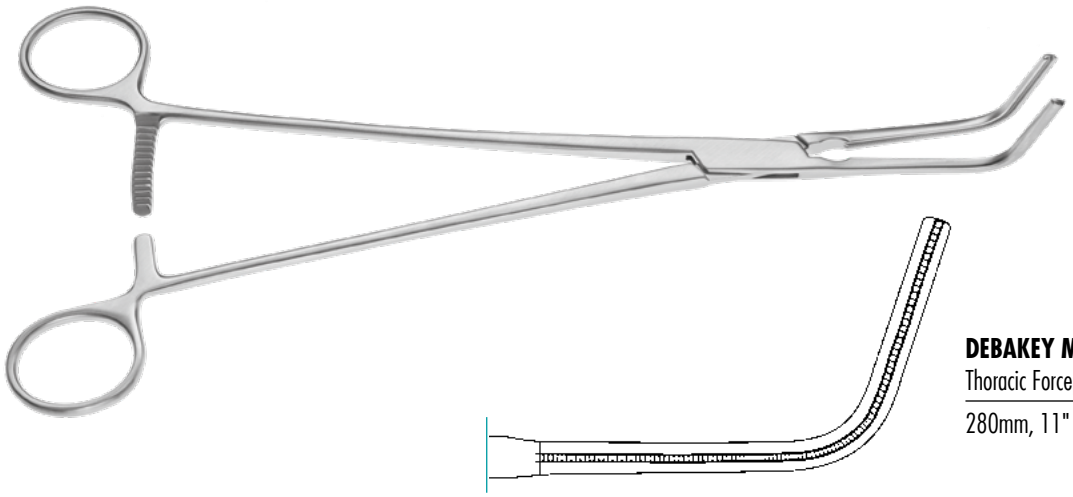
DEBAKEY
Intestinal and Organ Grasping Forceps, atraumatic serrations, small ring

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



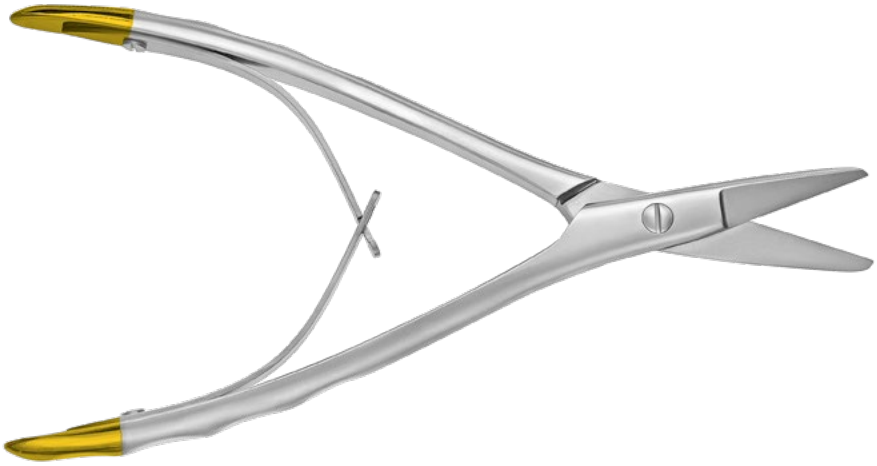
LOVELACE
Lung Grasping Forceps, 200mm, 8"

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

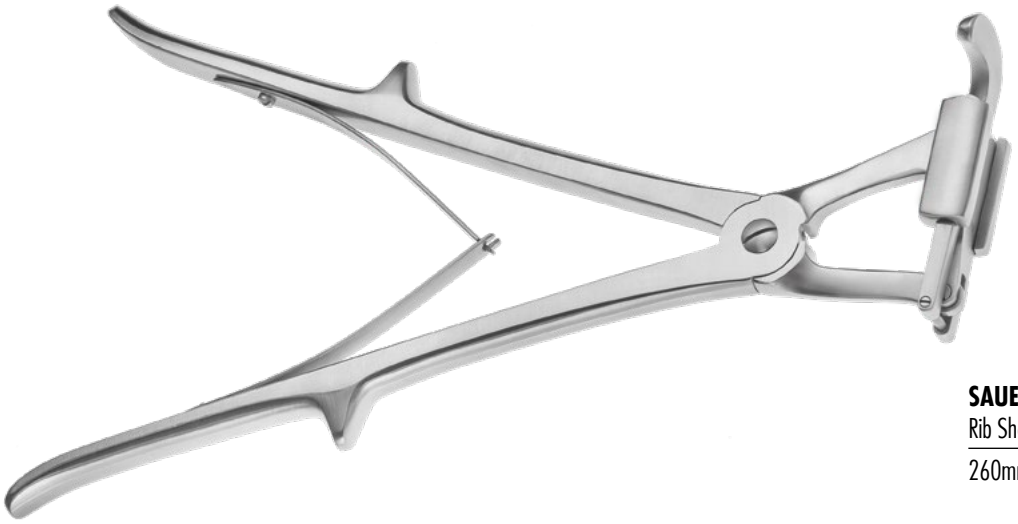


GLUCK
Bone / Rib Shears

220mm, 8 2/3"	290-107-220



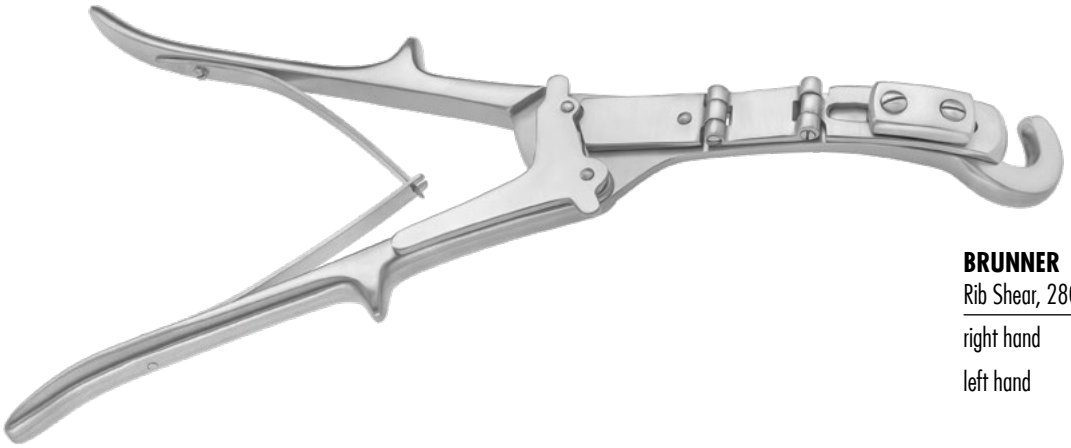
BETHUNE
Rib Shears
345mm, $13^{5/8}$" 290-126-340



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

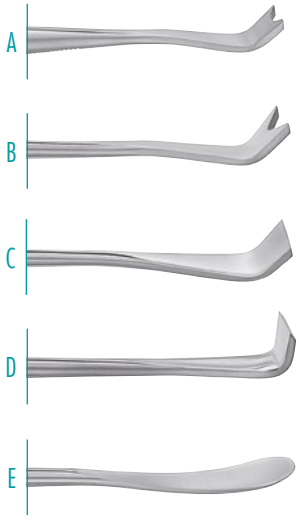
240mm, 9 1/2"	290-110-240



SWEET
Sternum Punch

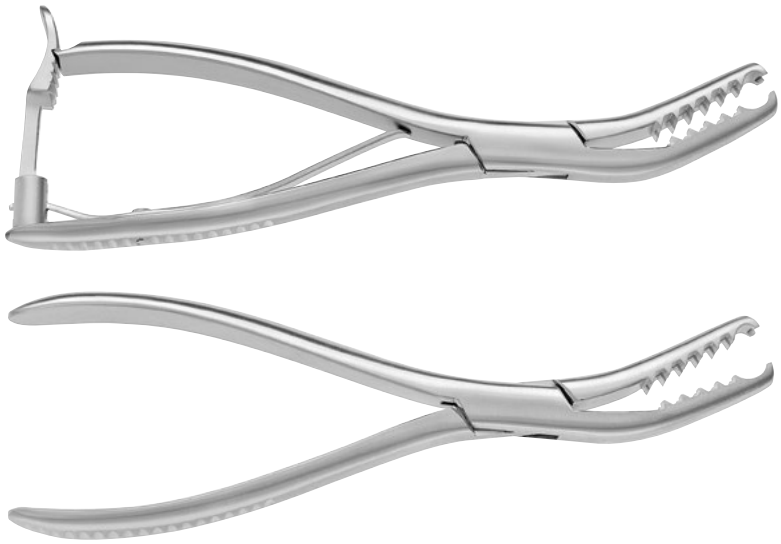
230mm, 9"	290-158-245





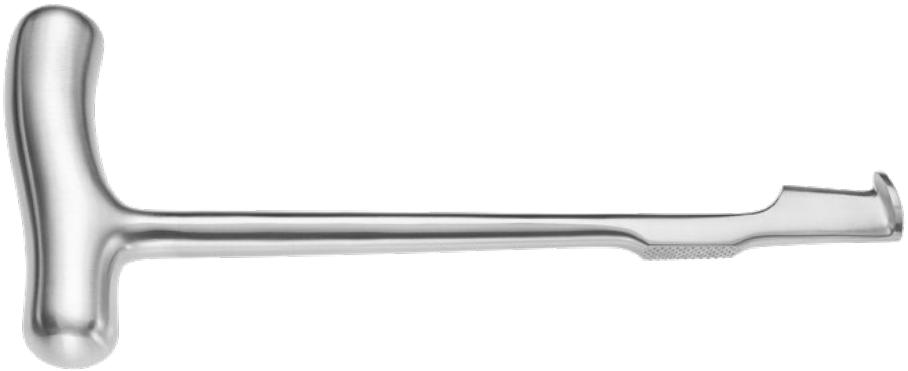
SEMB
Raspatory, hollow handle, 190mm, 7 1/2"

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



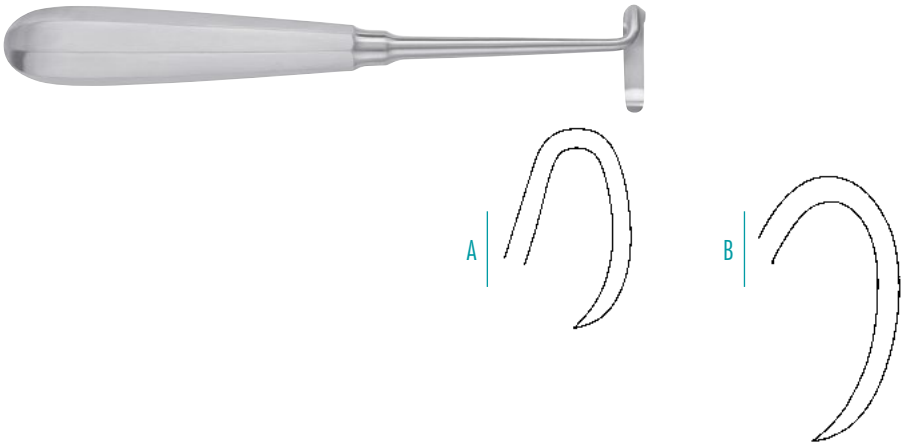
SEMB
Bone Holding Forceps, laterally curved with ratchet

190mm, 7 1/2"	210-624-190
without ratchet	
190mm, 7 1/2"	210-623-190



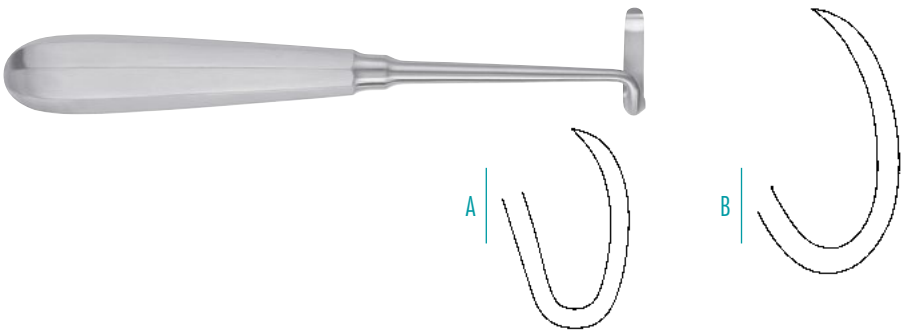
LEBSCHE
Sternum Chisel

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

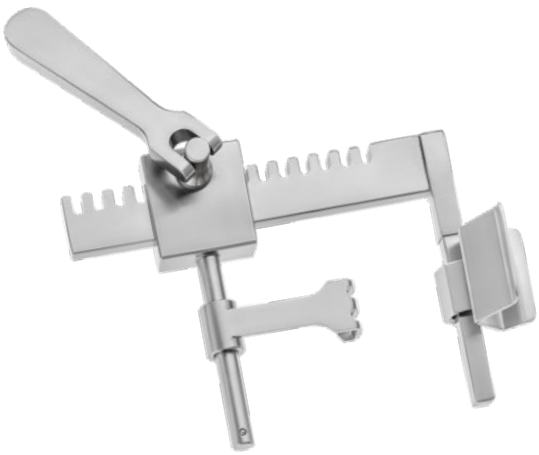
95 x 18mm	290-156-004
95 x 22mm	290-156-005





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



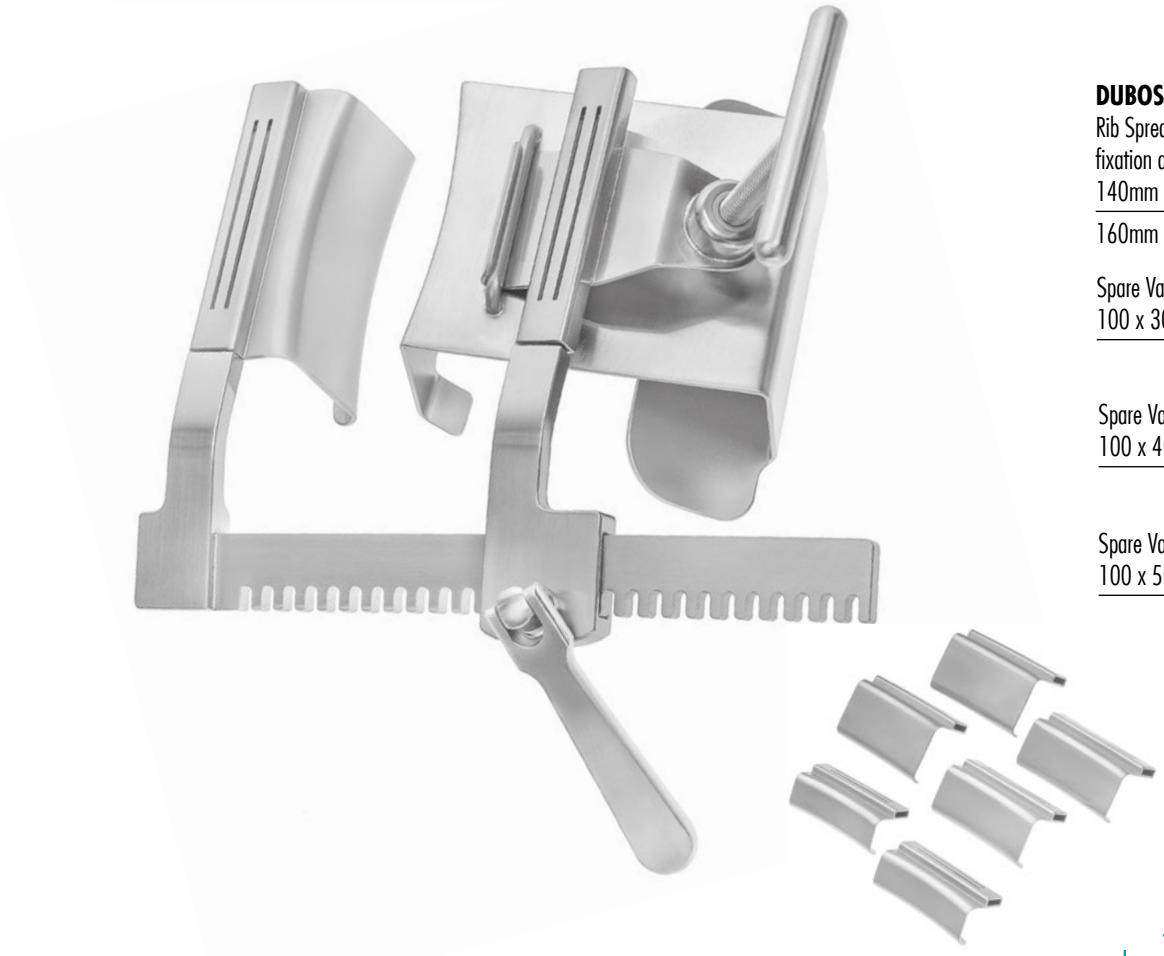
DUBOST
Rib Spreader, incl. 3 paired valves
140mm length

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



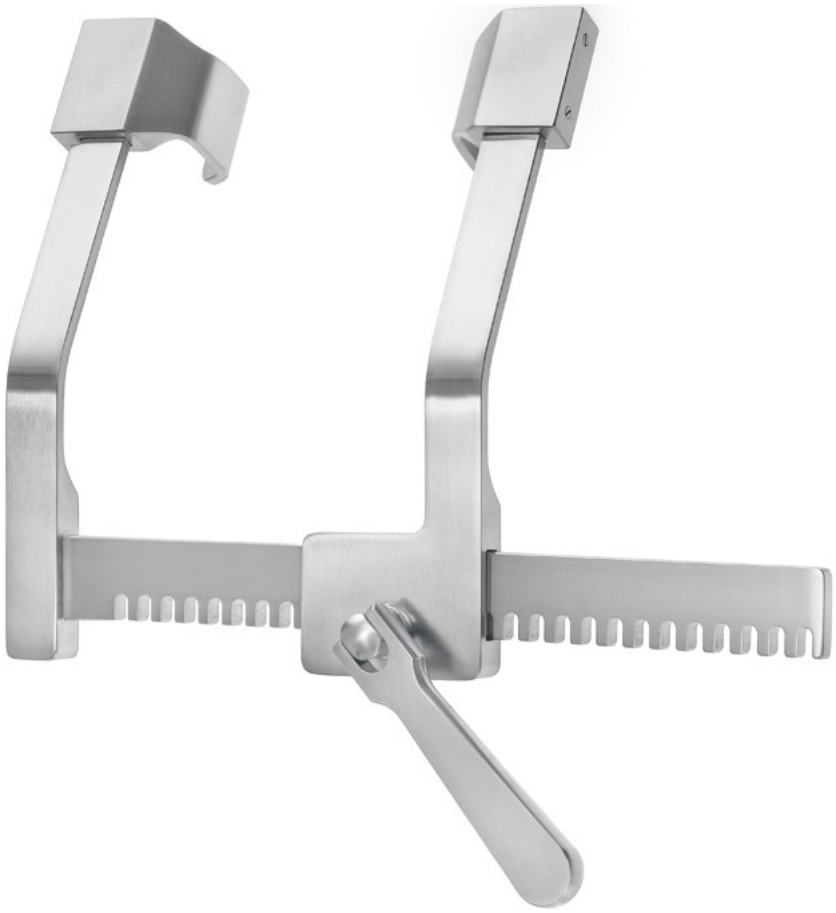
DUBOST
Rib Spreader, incl. 3 pair valves,
fixation and Mammary valve
140mm length

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



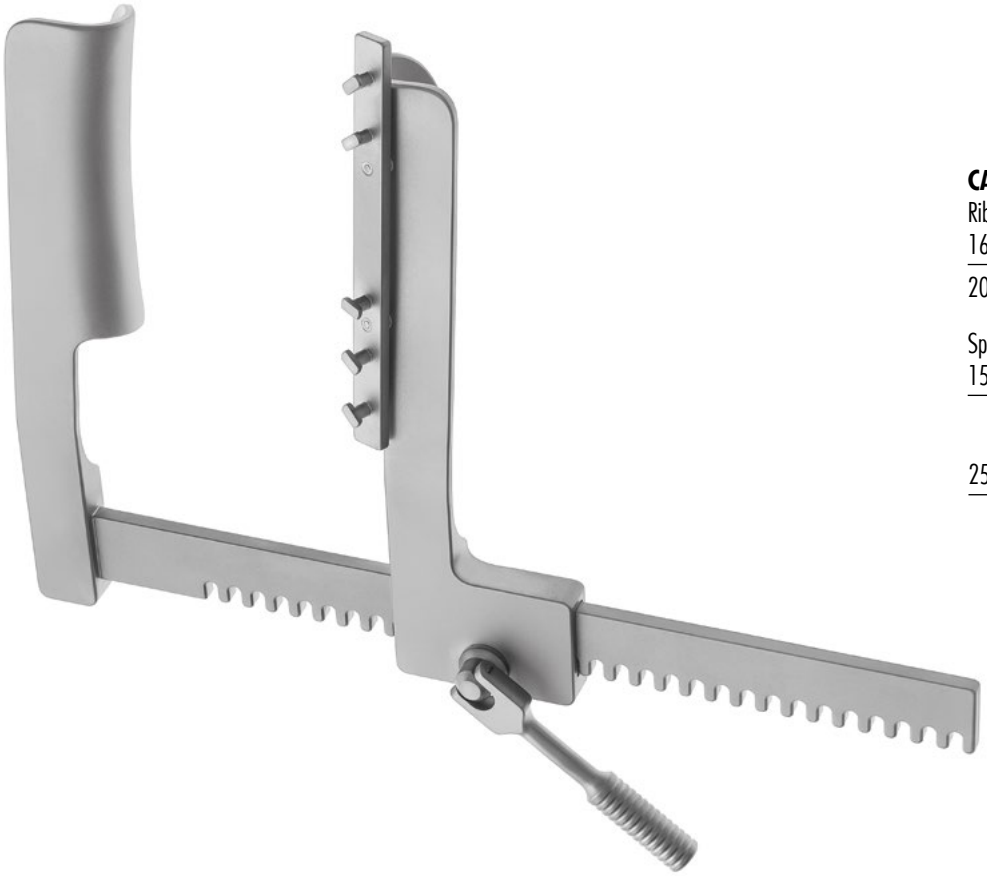
DEBAKEY
Rib Spreader, incl. 3 paired valves
153mm length

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)

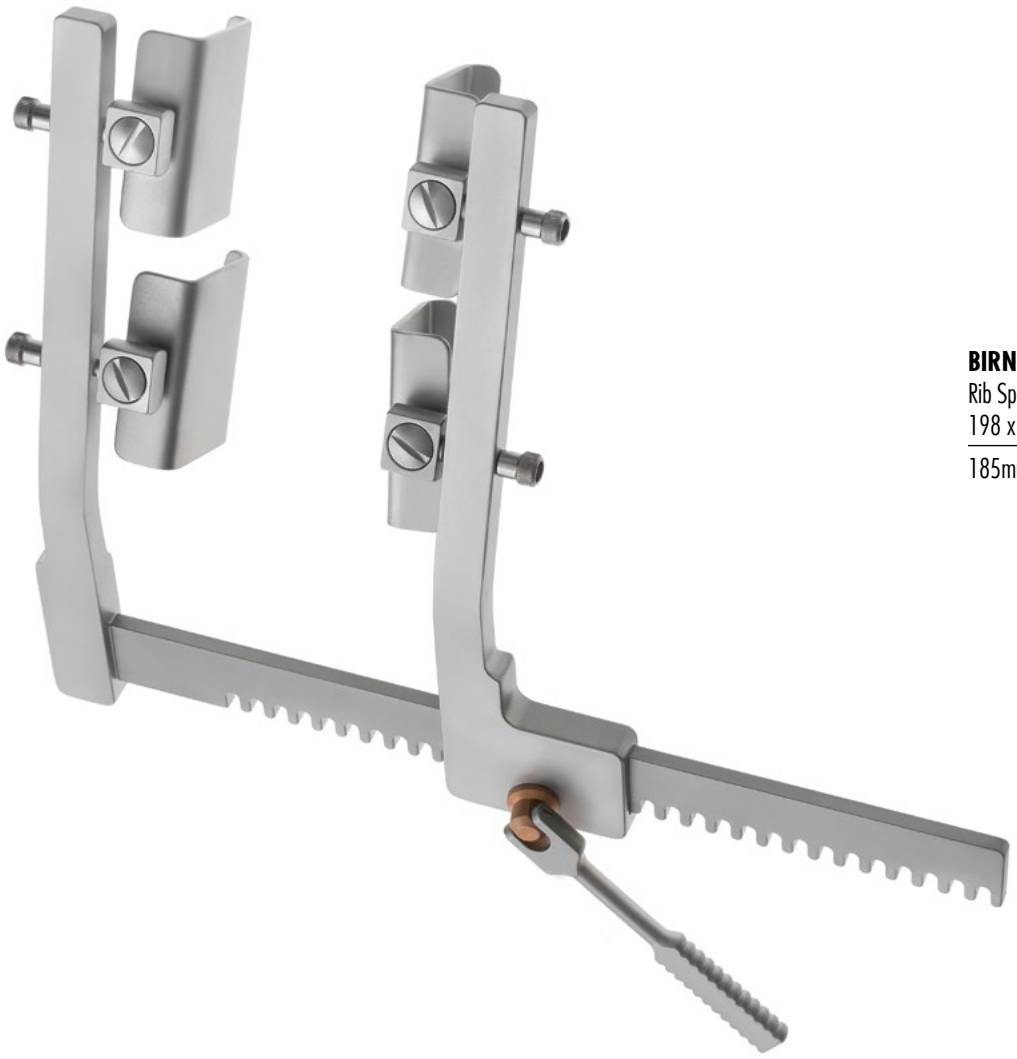
310mm spread	290-179-310



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)

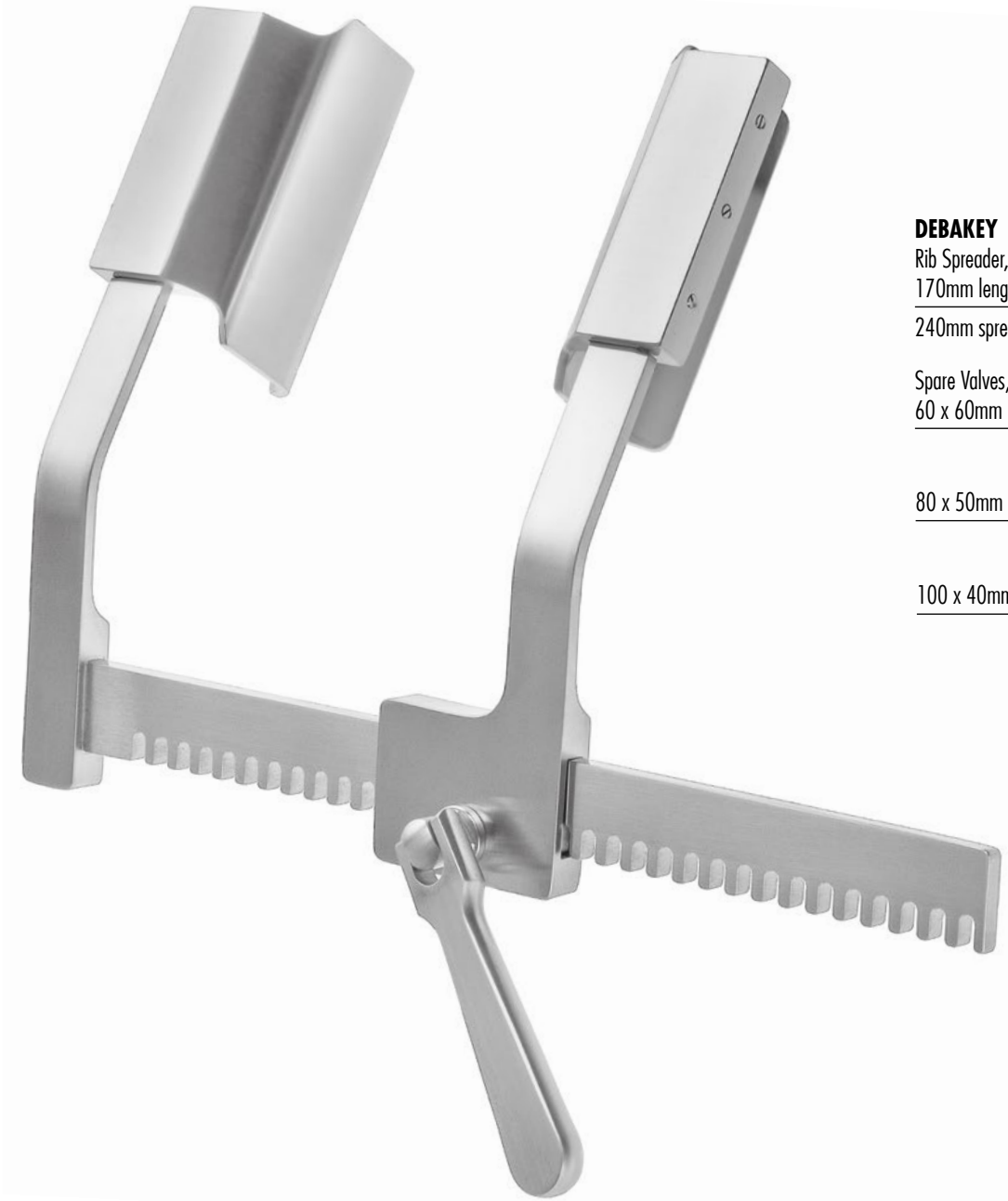
290-184-021

40 x 22mm (width/depth)

290-184-022

100mm width

290-184-023



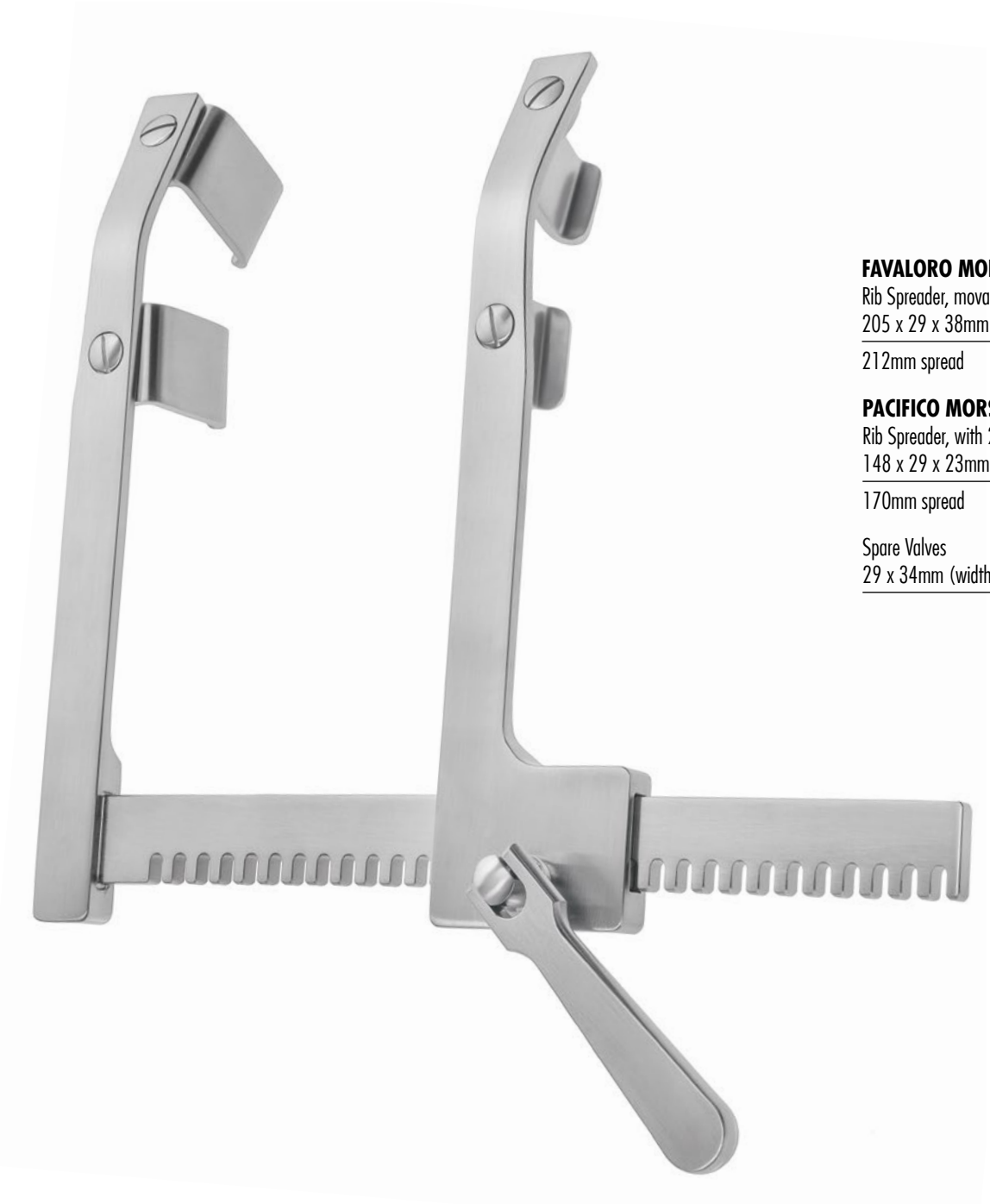
DEBAKEY
Rib Spreader, incl. 3 paired valves
170mm length

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



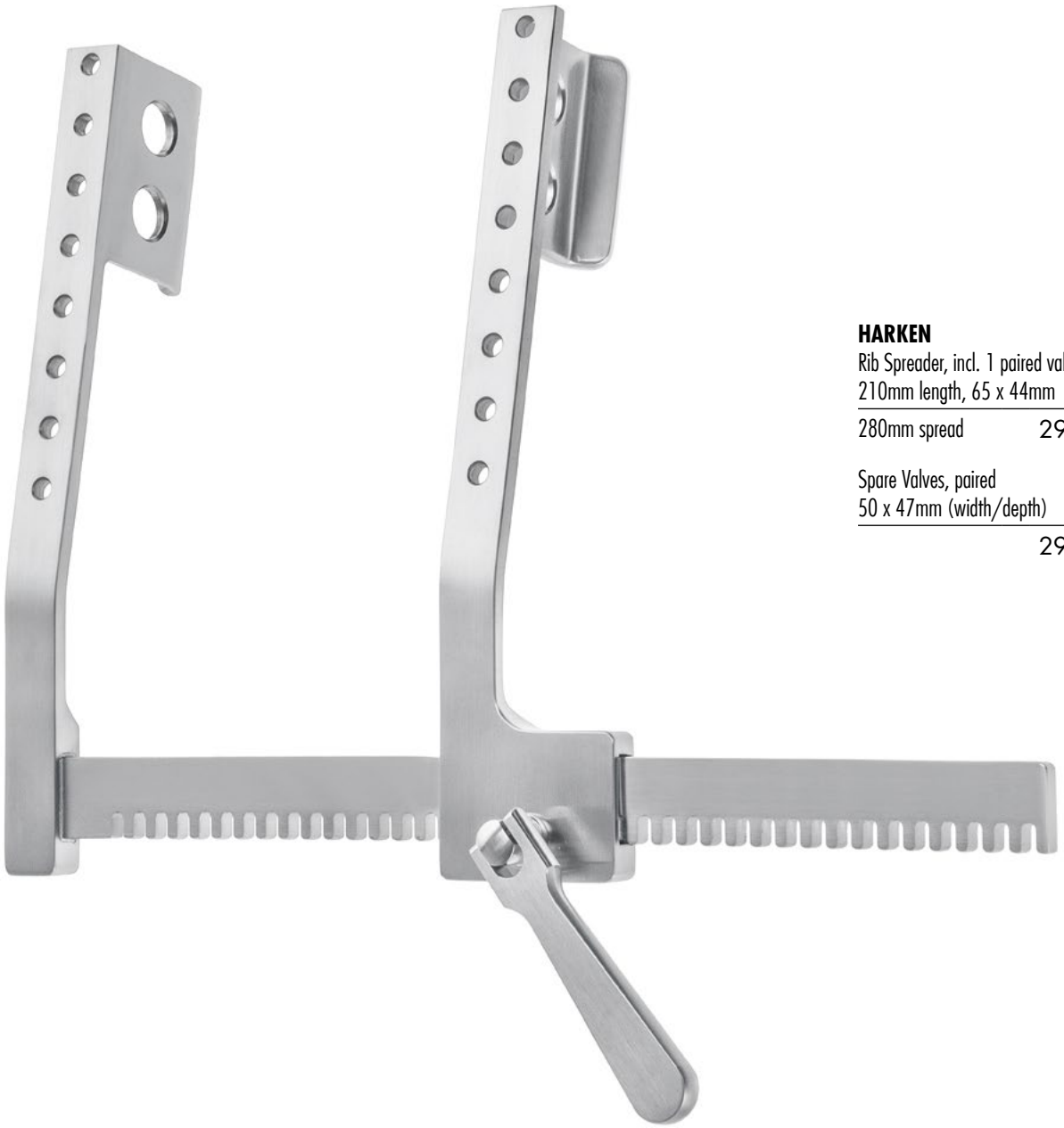
FAVALORO MORSE
Rib Spreader, movable valves
205 x 29 x 38mm (length/width/depth)

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

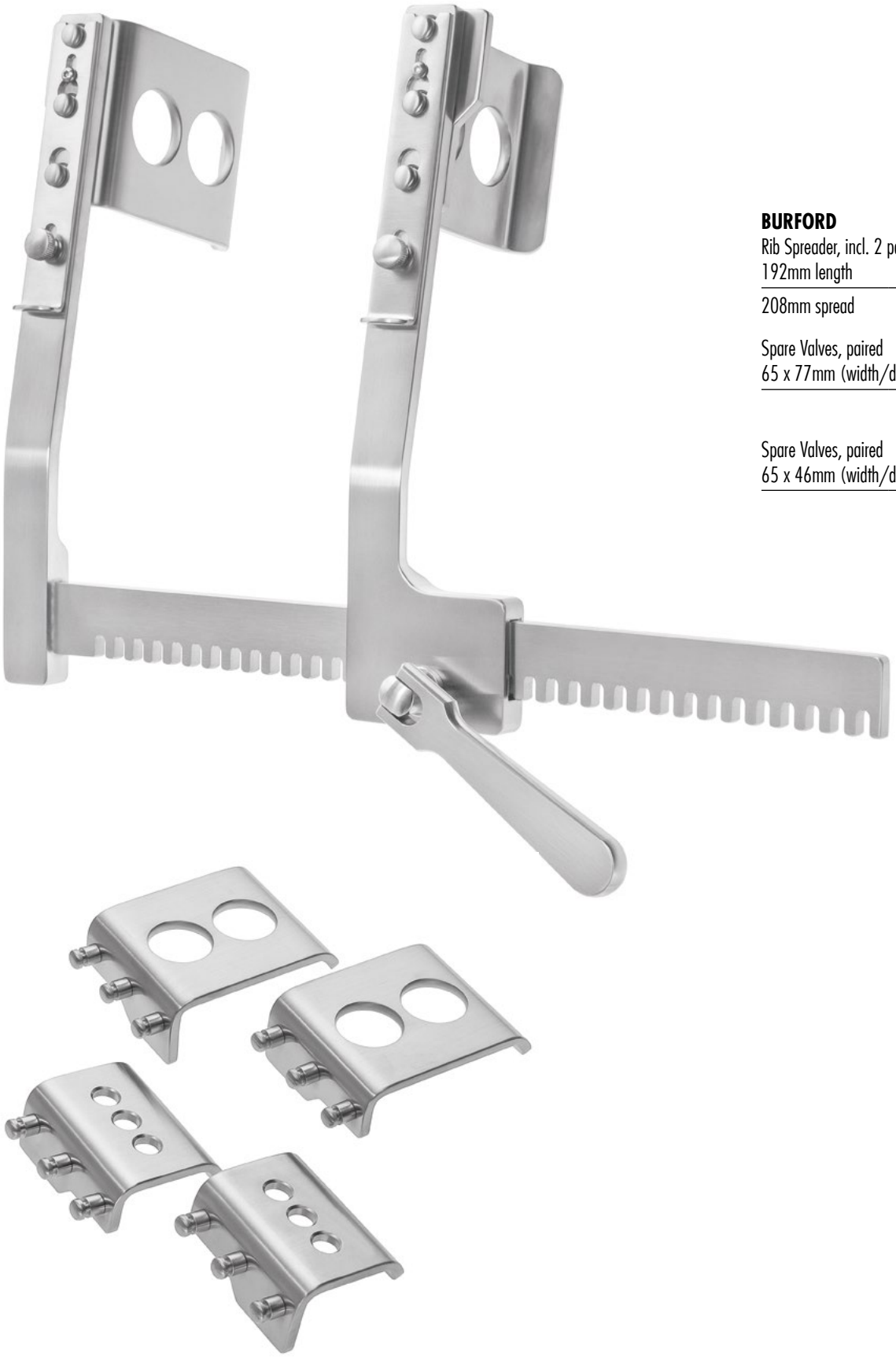
Spare Valves, paired
50 x 47mm (width/depth)

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

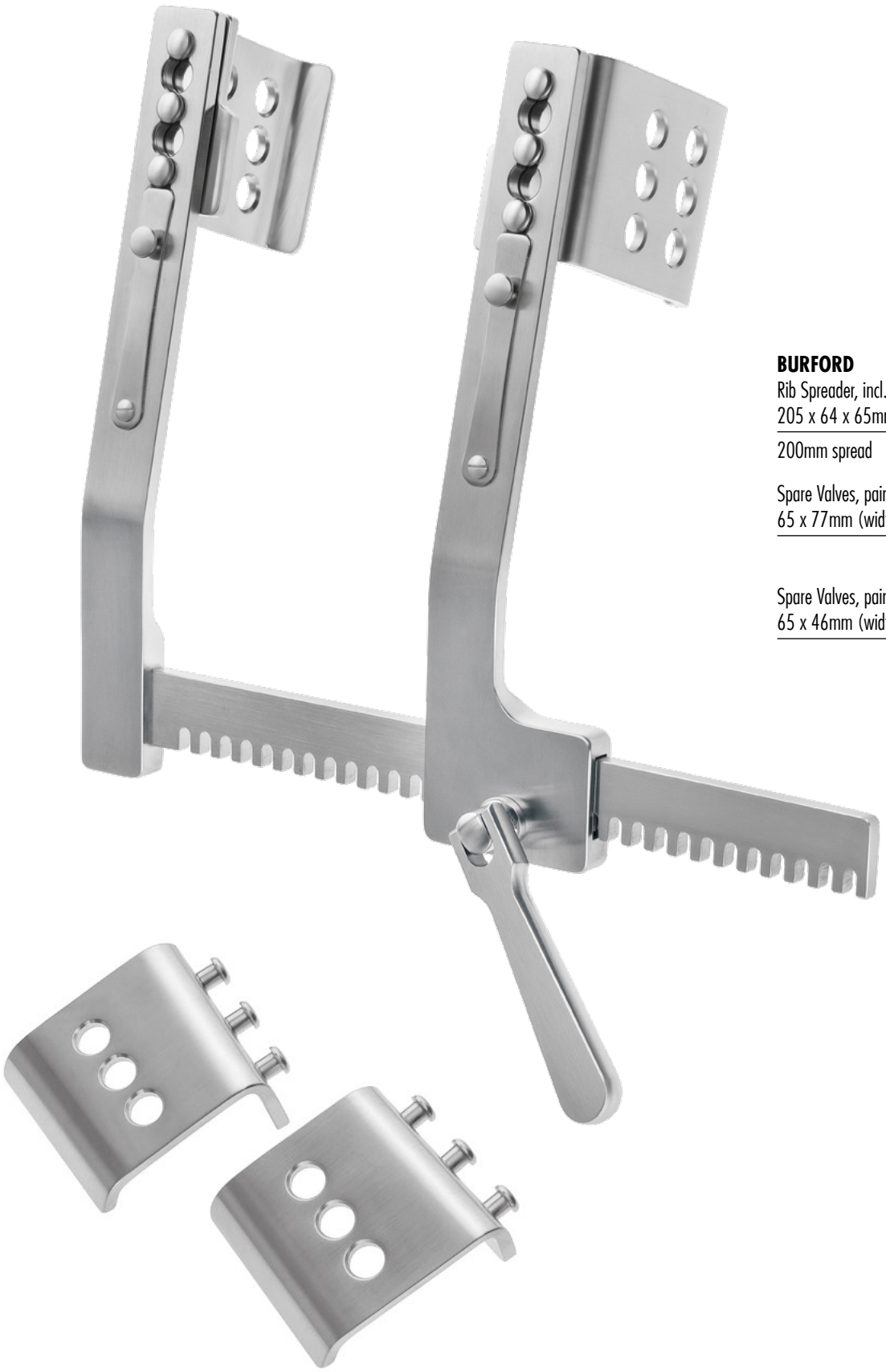
208mm spread	290-181-000

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)

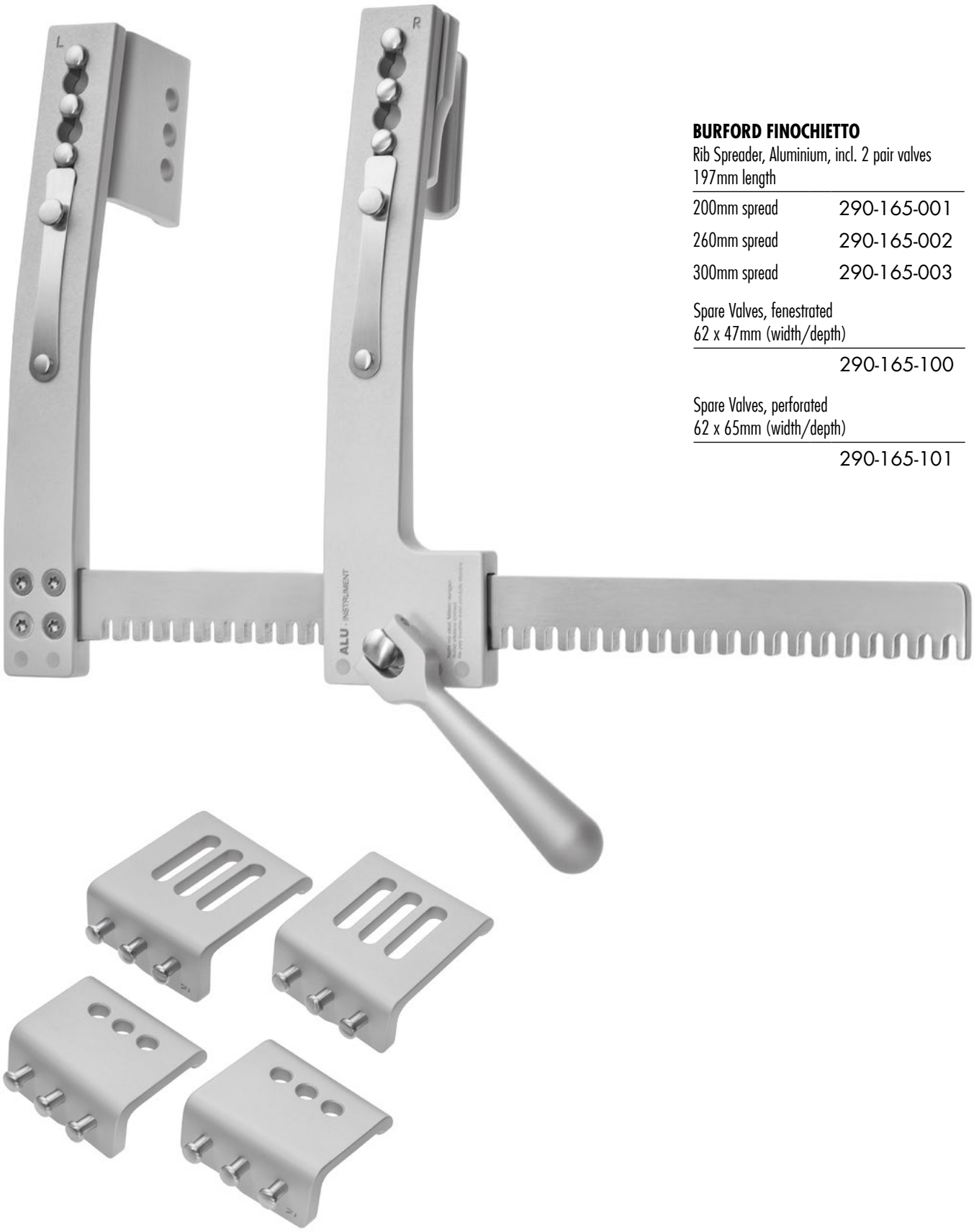
200mm spread	290-181-010

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

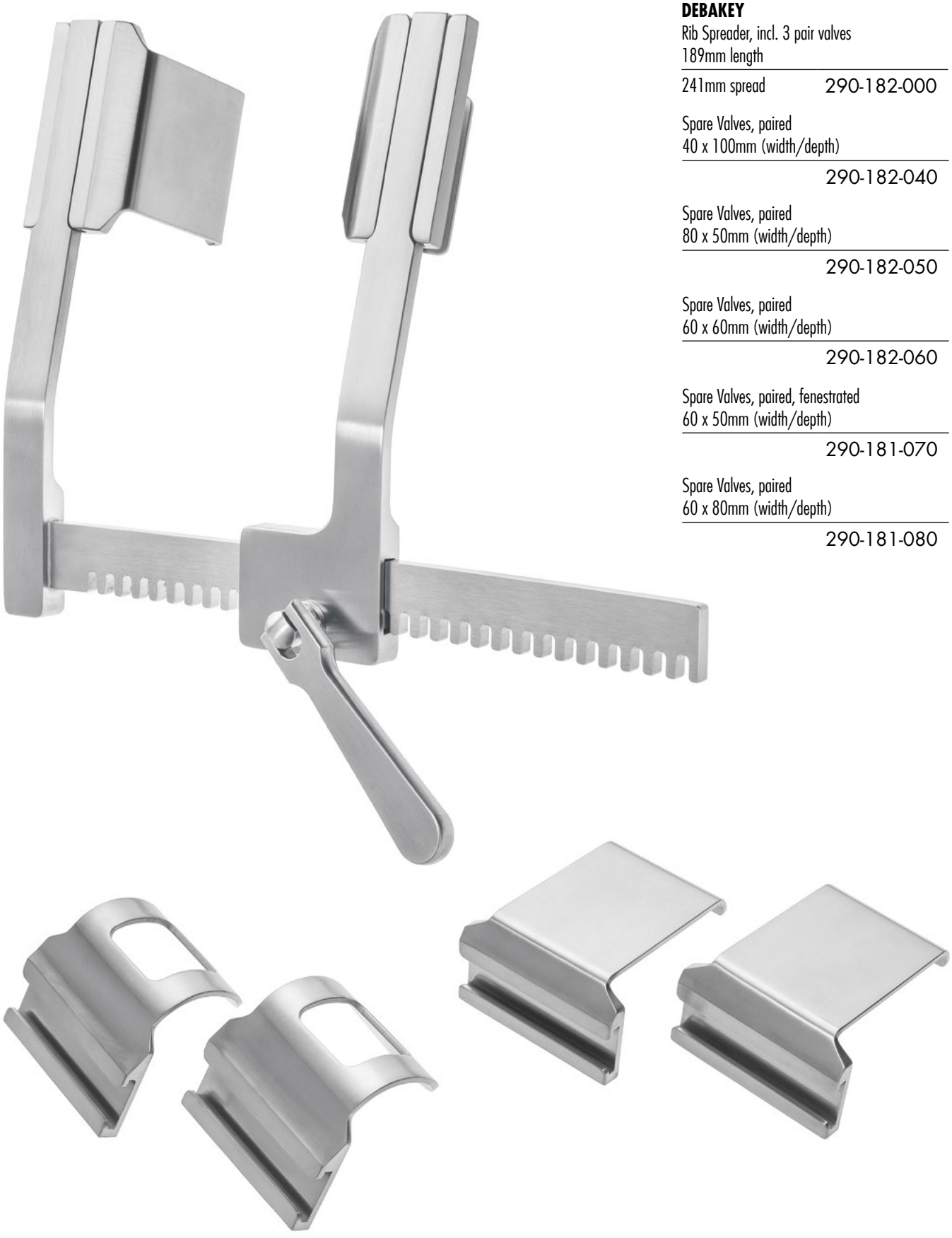
200mm spread	290-165-001
260mm spread	290-165-002
300mm spread	290-165-003

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

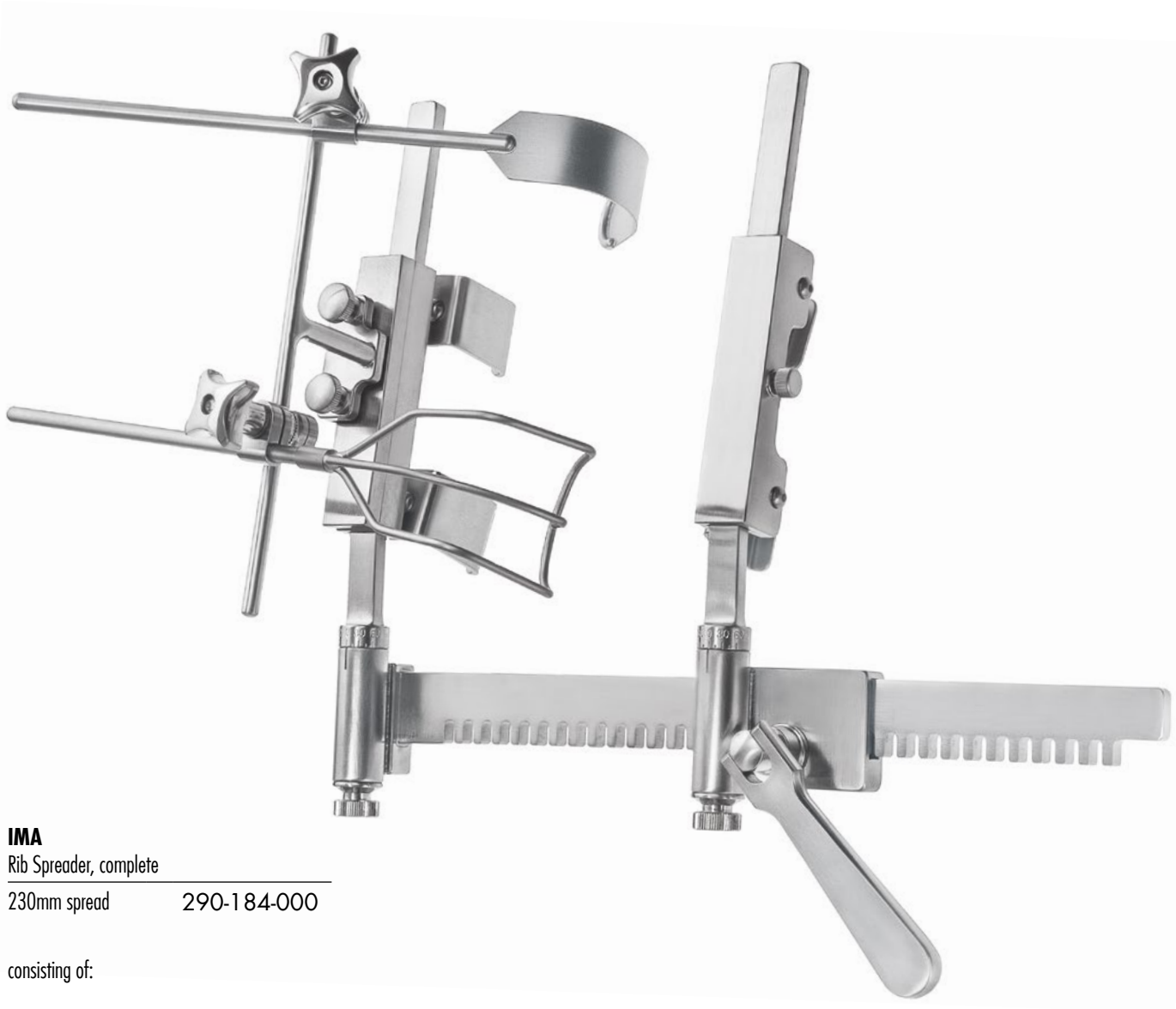
Spare Valves, paired, fenestrated
60 x 50mm (width/depth)
290-181-070

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

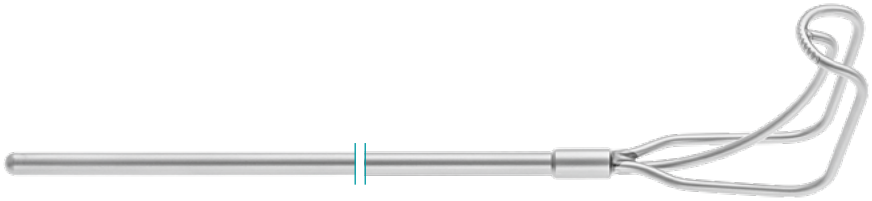
Rib Spreader, complete	
230mm spread	290-184-000

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)

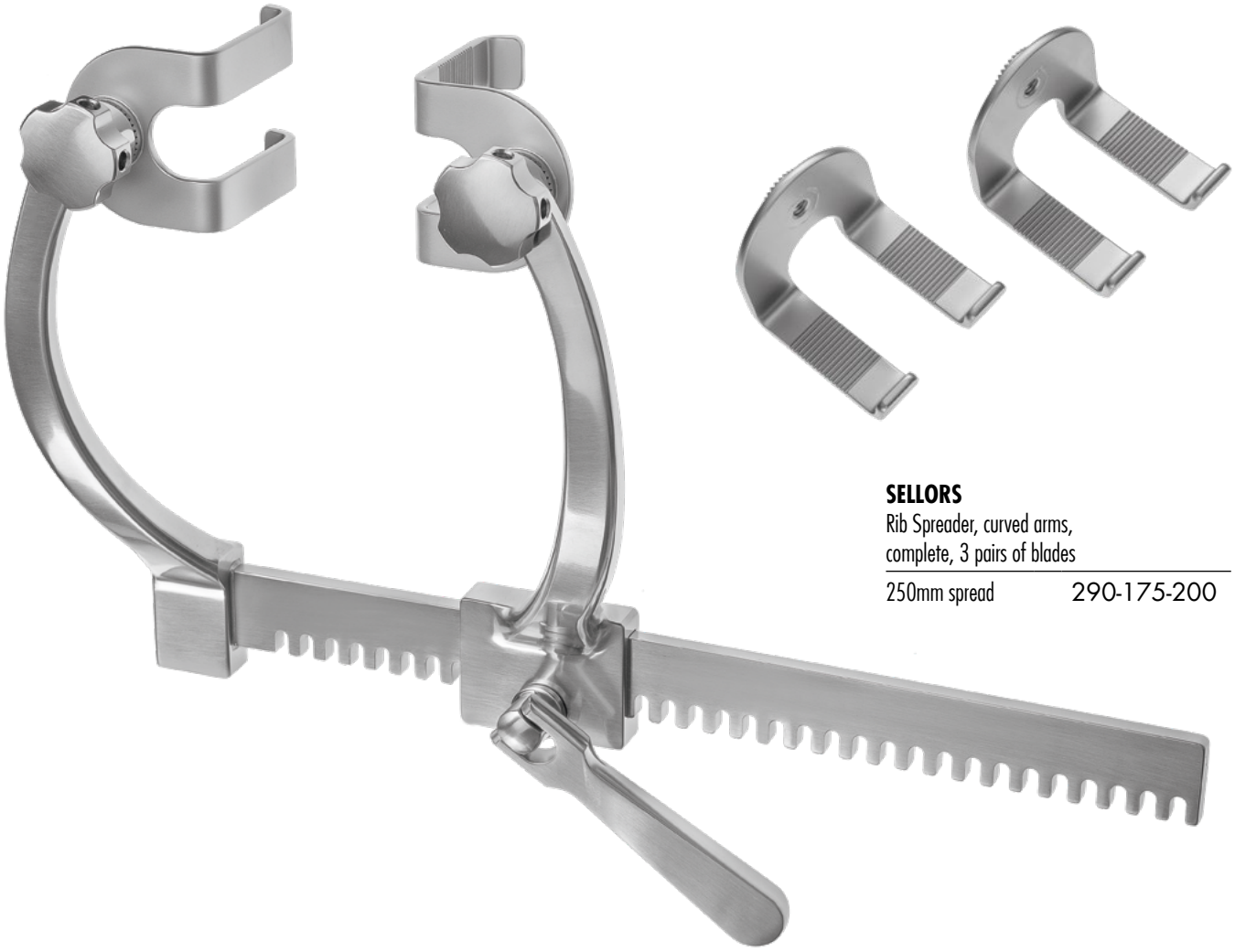
right	290-190-004

70 x 70mm (width/depth)

left, curved	290-190-005

70 x 70mm (width/depth)

right, curved	290-190-006



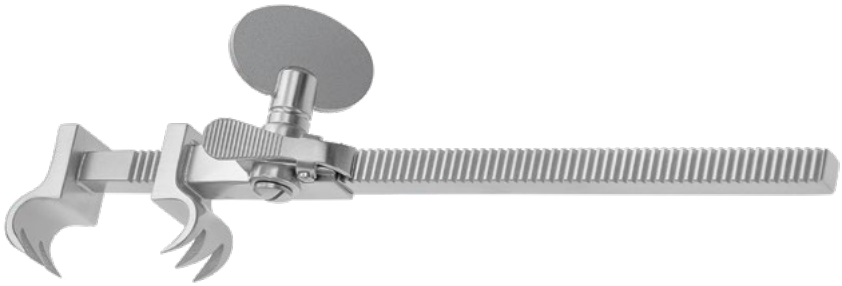
SELLORS
Rib Spreader, curved arms,
complete, 3 pairs of blades

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

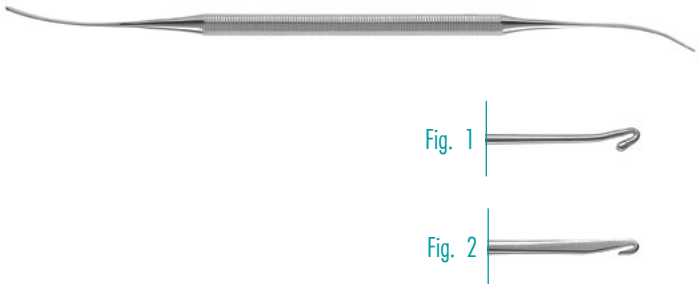


Fig. 1

Fig. 2

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



A



B



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



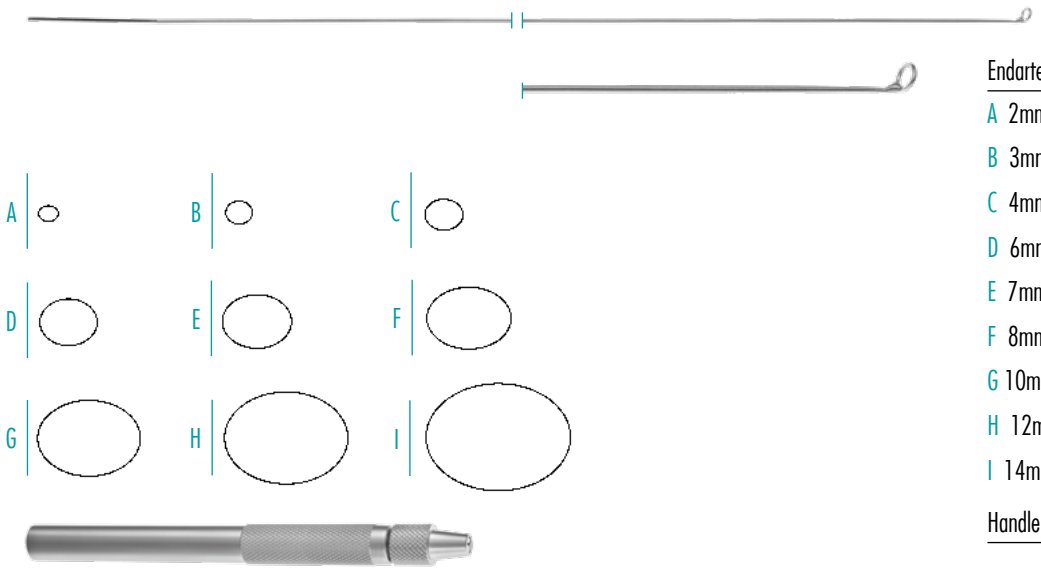
DEBAKEY

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		

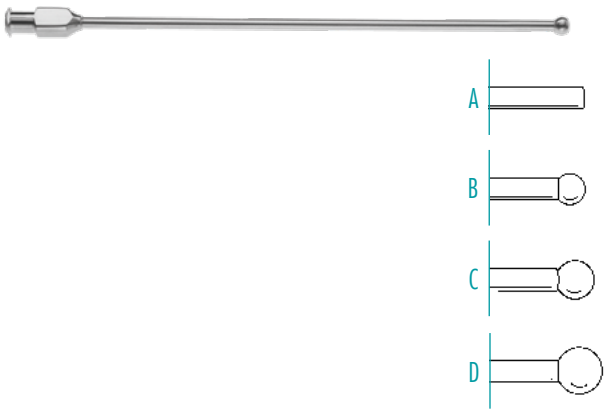


Endarterectomy Stripper, 550mm, 22"

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

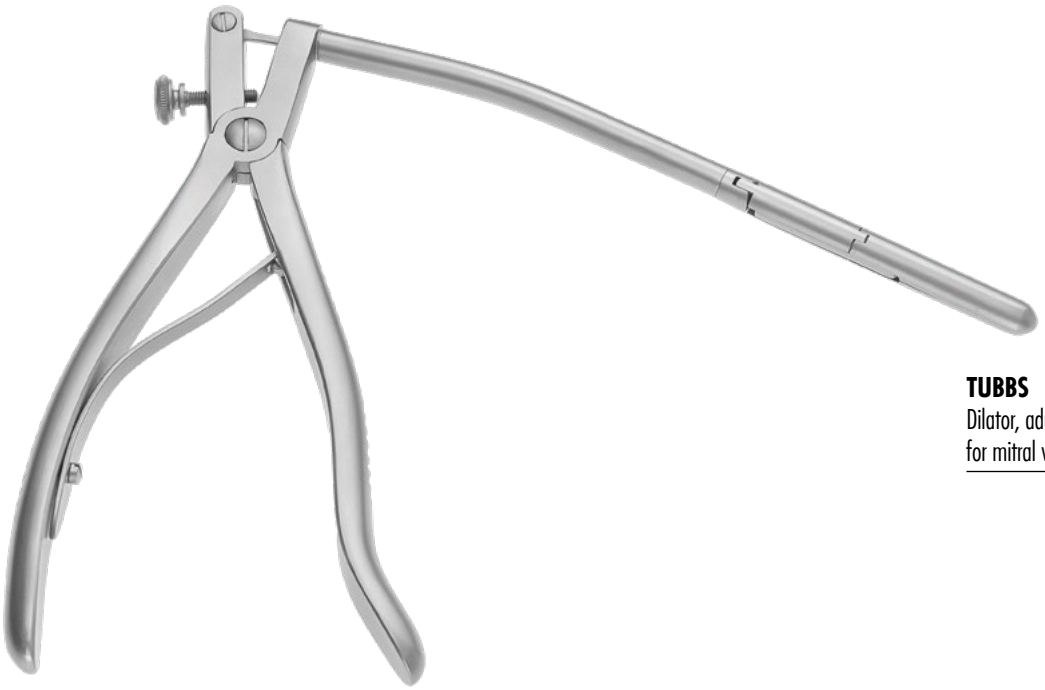
18G x 3 1/8" (1.2 x 80mm)	165-705-120
17G x 3 1/8" (1.5 x 80mm)	165-705-150



MOCK

Heparin Flushing Needle

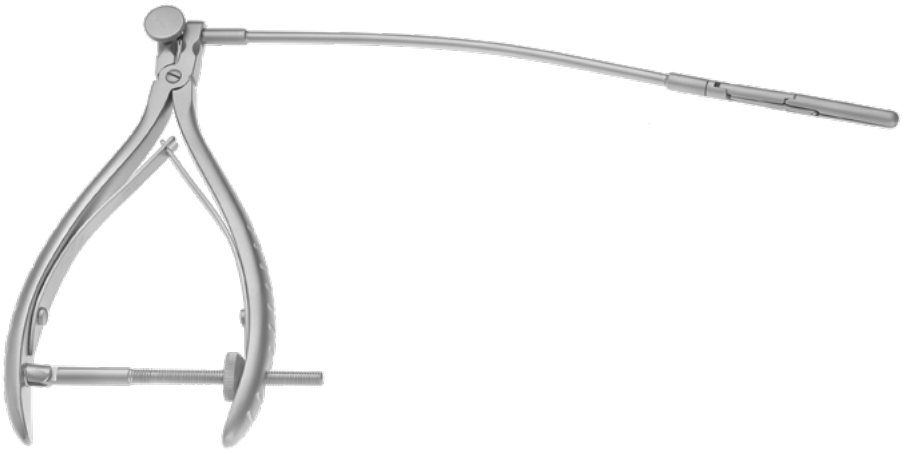
60mm, 2 3/8"	165-710-060



TUBBS
Dilator, adult size
for mitral valve blade opening 8-42mm

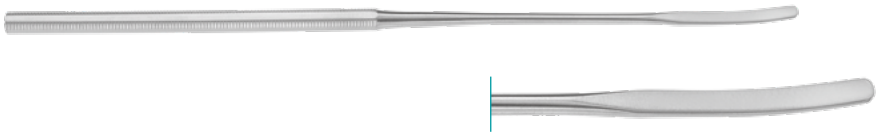
290-482-000





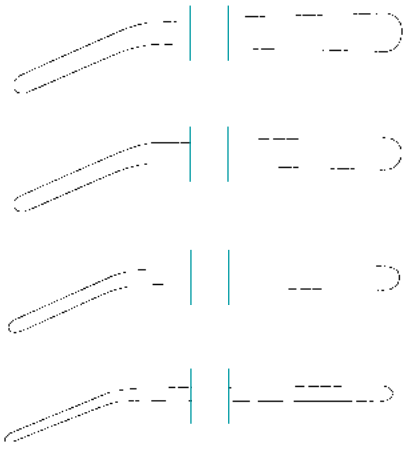
COOLEY
Dilator, child size

290-484-000



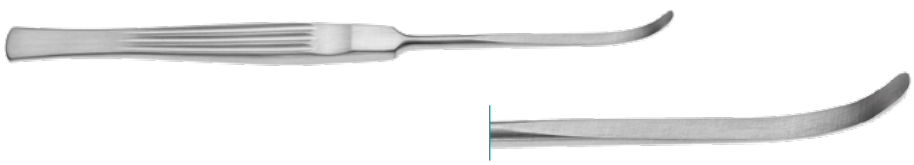
Intima Spatula, 3mm	
180mm, 7"	290-535-180
210mm, 8 1/4"	290-535-210
4mm	
140mm, 5 1/2"	290-537-140
5.5mm	
240mm, 9 1/2"	290-537-240





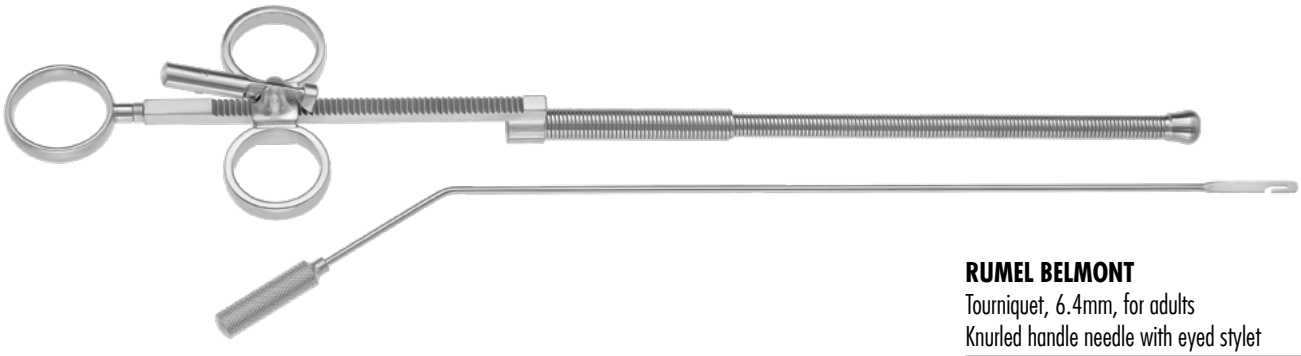
ROBB

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



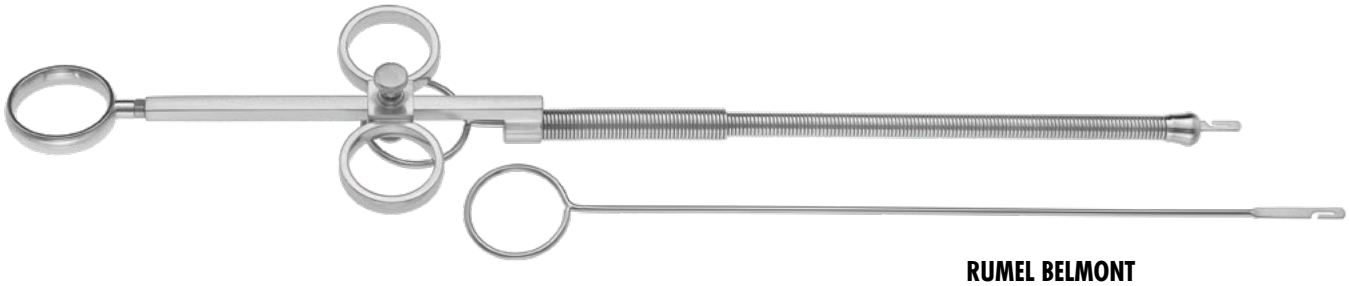
LEMMON

Intima Dissector, 165mm, 6 1/2"	
4mm wide	290-707-165
8mm wide	290-708-165
15mm wide	290-709-165



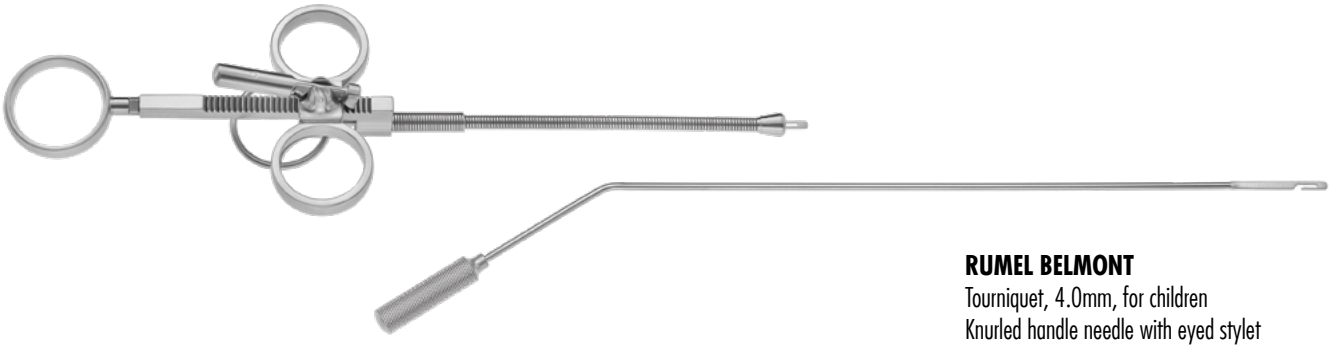
RUMEL BELMONT
Tourniquet, 6.4mm, for adults
Knurled handle needle with eyed stylet

complete	290-558-330
Stylet	290-558-331



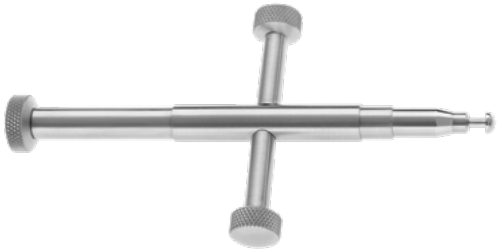
RUMEL BELMONT
Tourniquet, 6.5mm, for adults, flexible,
without ratchet,
Ring handle needle with eyed stylet

complete	290-564-305
Stylet	290-564-306



RUMEL BELMONT
Tourniquet, 4.0mm, for children
Knurled handle needle with eyed stylet

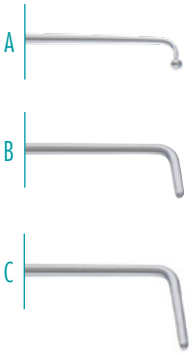
complete	290-556-330
Stylet	290-556-331



Punch
150mm, 6"

Ø 4mm	290-715-040
Ø 4.5mm	290-715-045





Nerve and Vessel Hook for valve surgery
A 4.5mm tip length, Ø 1.5mm tip

350mm, 14"	295-000-001

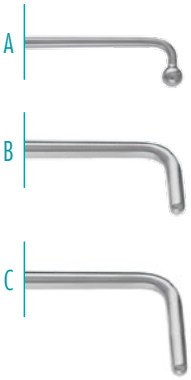
B 5.0mm tip length, Ø 1.0mm tip

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

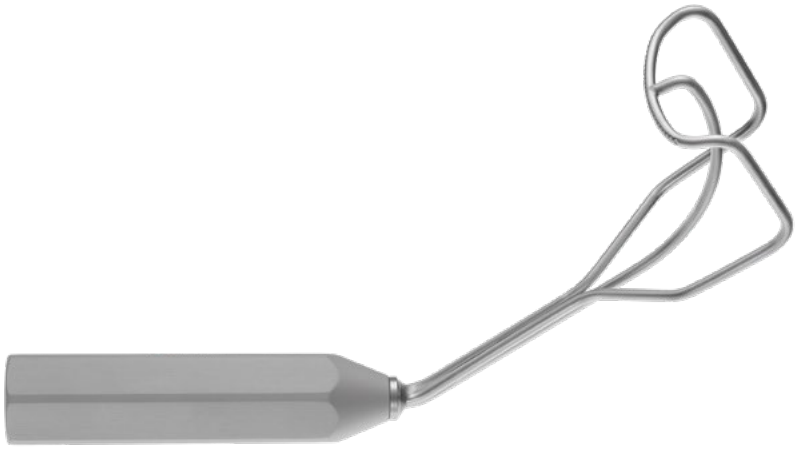
330mm, 13"	295-000-101

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
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
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
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

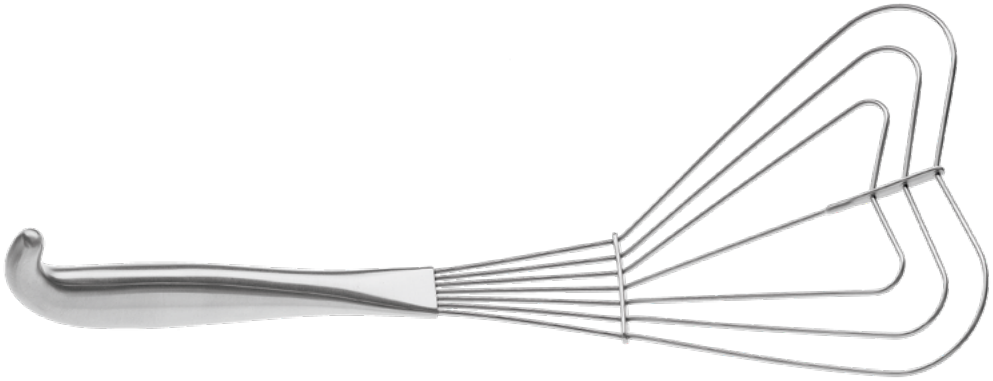


ALLISON
Lung Spatula, 40mm

300mm, 11 7/8"	290-505-300

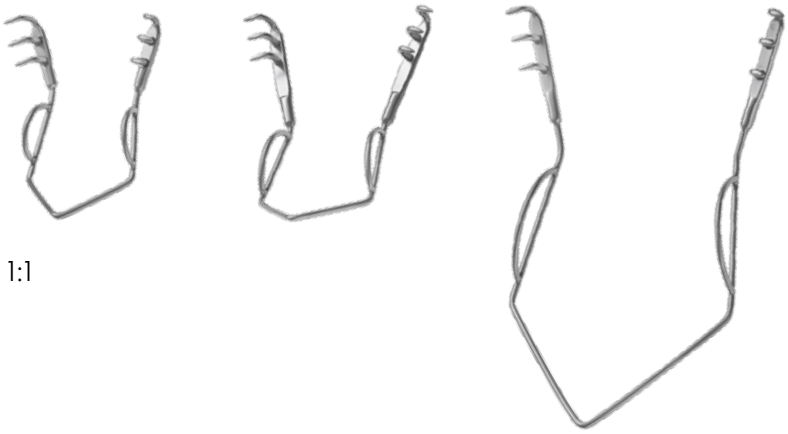
53mm

320mm, 12 1/2"	290-505-320



Lung Spatula

300mm, 11 7/8"	290-511-260



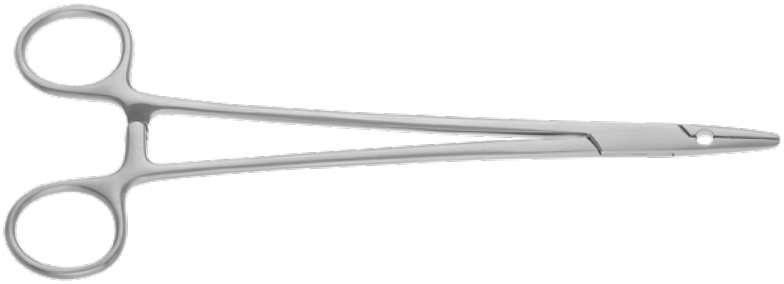
1:1

PARSONNET
Retractor, 3x3 teeth

25mm	290-233-025
32mm	290-233-030
50mm	290-233-047



A



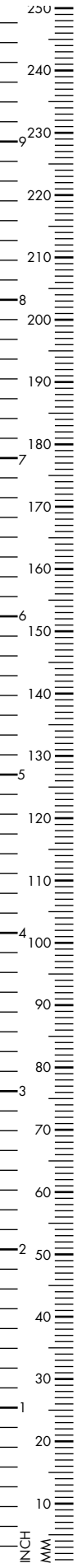
B



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