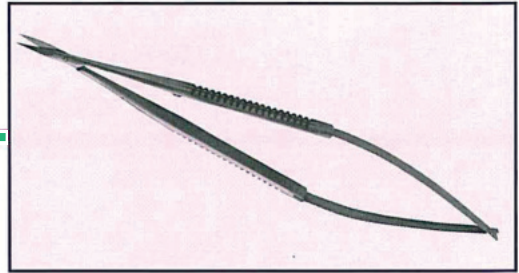


## Titanium instruments... only advantages!



### The new Titanium Catalogue

As a pioneer in the technical approach of titanium, we are pleased to present this new Titanium Catalogue containing a unique range of instruments mainly oriented towards micro and cardio-vascular procedures.

#### Why titanium for surgical instruments?

- 45% lighter than stainless steel, resulting in reduced trauma to delicate vessels and arteries
  - stronger and more durable
  - high resistance to corrosion
- more flexible, offering a more delicate, more precise and sensitive feel
- more comfort for the surgeon
  - antimagnetic
  - sterilisable with, and as, stainless steel instruments
  - competitively priced

#### Guarantee

All titanium instruments are guaranteed against defects in material or workmanship, assuming normal use, for 5 years. The batch number is etched on the instrument.

#### Some questions you might have about titanium instruments

- Why are titanium instruments blue? The original colour of titanium is silver. The special blue finish gives the instrument its low glare and makes it easily recognizable.

• May a titanium instrument be used at the same time as electrosurgical equipment? Yes, it will work perfectly. The titanium instrument will even be less prone to tissue adhesion.

• Why don't we find more titanium instruments on the market?

It takes a special expertise to manufacture titanium instruments. Titanium forgings are rare on the market. We make our own.

• Can these instruments be serviced?

Even the finest surgical instruments may need to be repaired or refurbished. We recognize the need to provide rapid response and quick turnaround times in these situations.

In order to prolong the life of your damaged instruments, Simal can expertly restore them to first class condition. In fact, we offer one of the industry's most advanced refurbishing/repair services.

Any titanium instrument which needs refurbishing or repair should be forwarded to:

#### REDA INSTRUMENTE GMBH

Gänsäcker 34 • P.O.Box 131

D-78532 Tuttlingen/Germany

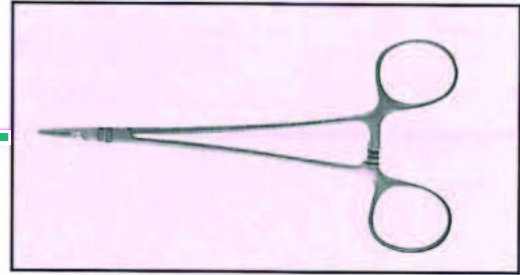
Telefon +49 / 74 62 / 94 45-0

Telefax +49 / 74 62 / 94 45-20

E-Mail: [info@Reda-Instrumente.de](mailto:info@Reda-Instrumente.de)

<http://www.Red-Instrumente.de>

**Titanium instruments...  
only advantages!**



## **REDA**

*With our experience as instrument craftsmen, we are pleased to bring to you this new Titanium Catalogue, continuing in the tradition of excellence for which we are known the world over.*

*Every effort has been made in this catalogue to give you a clear and reliable description of all our REDA quality products.*

*Whether it is in stainless steel, or, as here, in titanium, REDA has the precise instrument you need, making this special range of products very unique.*

*Our professionalism is linked not only to the high qualification of our workforce and the advanced technology we use, but also to the close contacts we have always had with the medical profession.*

*For more information or a presentation of any part of the REDA range of surgical instruments, contact:*



### **REDA INSTRUMENTE GMBH**

Gänsäcker 34 • P.O.Box 131

D-78532 Tuttlingen/Germany

Telefon +49 / 74 62 / 94 45-0

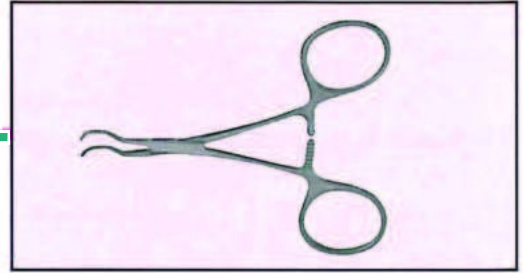
Telefax +49 / 74 62 / 94 45-20

E-Mail: [info@Reda-Instrumente.de](mailto:info@Reda-Instrumente.de)

<http://www.Reda-Instrumente.de>



**Titanium instruments...  
only advantages!**

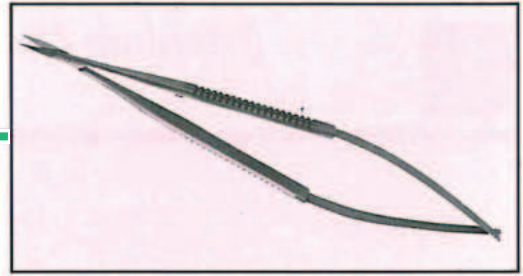





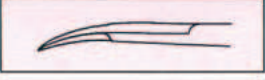

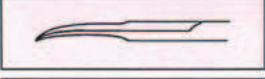

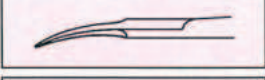









## Table of contents

<b>1</b>	page 1	<b>Micro Scissors</b> - Round and Flat Handle
	page 4	<b>Potts Scissors</b>
<b>2</b>	page 5	<b>Tissue Forceps</b>
<b>3</b>	page 7	<b>Haemostatic Forceps</b>
<b>4</b>	page 9	<b>Clamping Forceps</b>
<b>5</b>	page 11	<b>Micro Needle Holders</b> - Flat Handle
	page 13	<b>Micro Needle Holders</b> - Round Handle
	page 15	<b>Needle Holders</b>
<b>6</b>	page 17	<b>Bulldog Clamps</b>
	page 19	<b>Vascular Clamps</b>
<b>7</b>	page 31	<b>Pediatric Instruments</b>
<b>8</b>	page 40	<b>Retractors</b>

**1**

**Titanium Micro Scissors.  
Flat Handle.**

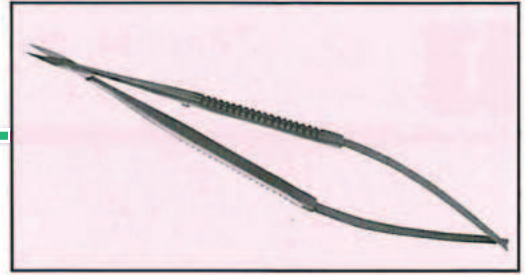



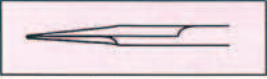

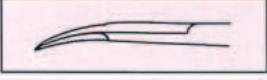


TIP (Scale 1/1)	SHAPE	SIZE	REFERENCE
	straight	16 cm - 6.1/4"	<b>10950-01</b>
	curved	16 cm - 6.1/4"	<b>10950-02</b>
	straight serrated	16 cm - 6.1/4"	<b>10950-03</b>
	curved serrated	16 cm - 6.1/4"	<b>10950-04</b>
	straight delicate	16 cm - 6.1/4"	<b>10950-05</b>
	curved delicate	16 cm - 6.1/4"	<b>10950-06</b>
	straight	18 cm - 7.1/8"	<b>10950-07</b>
	curved	18 cm - 7.1/8"	<b>10950-08</b>
	straight serrated	18 cm - 7.1/8"	<b>10950-09</b>
	curved serrated	18 cm - 7.1/8"	<b>10950-10</b>
	straight delicate	18 cm - 7.1/8"	<b>10950-11</b>
	curved delicate	18 cm - 7.1/8"	<b>10950-12</b>
	straight	21 cm - 8.1/4"	<b>10951-01</b>
	curved	21 cm - 8.1/4"	<b>10951-02</b>
	straight serrated	21 cm - 8.1/4"	<b>10951-03</b>
	curved serrated	21 cm - 8.1/4"	<b>10951-04</b>
	straight delicate	21 cm - 8.1/4"	<b>10951-05</b>



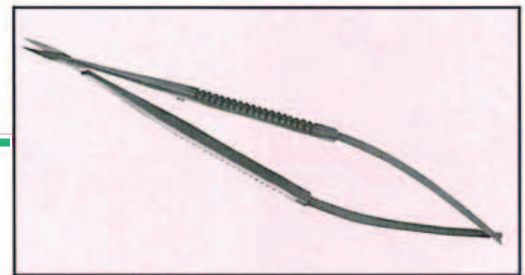
**1**



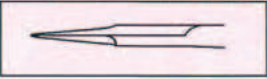



**Titanium Micro Scissors.  
Flat Handle.**



TIP (Scale 1/1)	SHAPE	SIZE	REFERENCE
	curved delicate	21 cm - 8.1/4"	10951-06
	straight	23 cm - 9"	10952-01
	curved	23 cm - 9"	10952-02
	straight serrated	23 cm - 9"	10952-03
	curved serrated	23 cm - 9"	10952-04
	straight delicate	23 cm - 9"	10952-05
	curved delicate	23 cm - 9"	10952-06

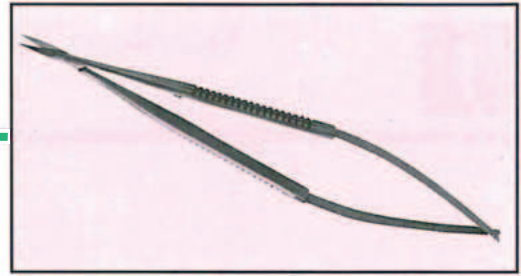
**Titanium Micro Scissors.  
Round Handle.**

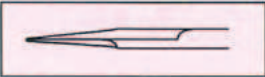







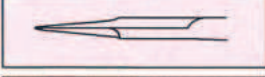


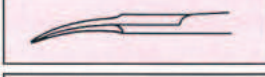








	straight	16 cm - 6.1/4"	10960-01
	curved	16 cm - 6.1/4"	10960-02
	straight serrated	16 cm - 6.1/4"	10960-03
	curved serrated	16 cm - 6.1/4"	10960-04
	straight delicate	16 cm - 6.1/4"	10960-05
	curved delicate	16 cm - 6.1/4"	10960-06

**1**

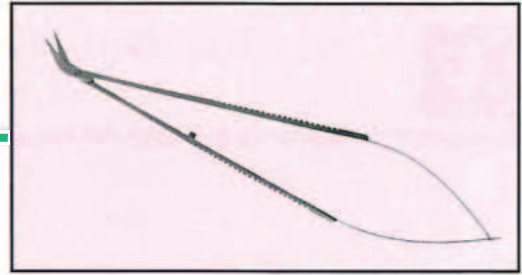
**Titanium Micro Scissors.  
Round Handle.**



TIP (Scale 1/1)	SHAPE	SIZE	REFERENCE
	straight	18 cm - 7.1/8"	<b>10960-07</b>
	curved	18 cm - 7.1/8"	<b>10960-08</b>
	straight serrated	18 cm - 7.1/8"	<b>10960-09</b>
	curved serrated	18 cm - 7.1/8"	<b>10960-10</b>
	straight delicate	18 cm - 7.1/8"	<b>10960-11</b>
	curved delicate	18 cm - 7.1/8"	<b>10960-12</b>
	straight	21 cm - 8.1/4"	<b>10961-01</b>
	curved	21 cm - 8.1/4"	<b>10961-02</b>
	straight serrated	21 cm - 8.1/4"	<b>10961-03</b>
	curved delicate	21 cm - 8.1/4"	<b>10961-04</b>
	straight delicate	21 cm - 8.1/4"	<b>10961-05</b>
	curved delicate	21 cm - 8.1/4"	<b>10961-06</b>
	straight	23 cm - 9"	<b>10962-01</b>
	curved	23 cm - 9"	<b>10962-02</b>
	straight serrated	23 cm - 9"	<b>10962-03</b>
	curved serrated	23 cm - 9"	<b>10962-04</b>
	straight delicate	23 cm - 9"	<b>10962-05</b>
	curved delicate	23 cm - 9"	<b>10962-06</b>

**1**

**Titanium Potts Scissors.  
Flat Handle.**



TIP (Scale 1/1)	SHAPE	SIZE	REFERENCE
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angulated 25°      18,5 cm - 7.1/4"      **10970-01**



angulated 45°      18,5 cm - 7.1/4"      **10970-02**



angulated 60°      18,5 cm - 7.1/4"      **10970-03**



angulated 90°      18,5 cm - 7.1/4"      **10970-04**



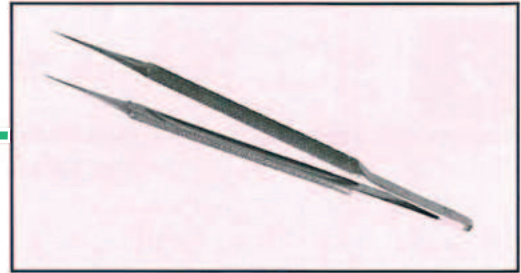
angulated 130°      18,5 cm - 7.1/4"      **10970-05**



2

Titanium Tissue Forceps.

\*Flat Handle - \*\*Round Handle

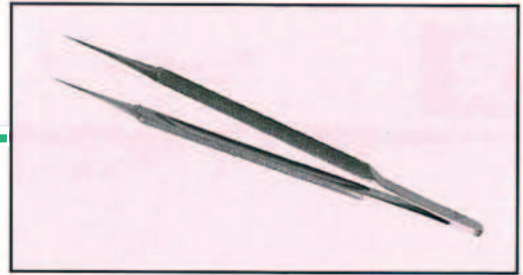


TIP (Scale 1/1)	SHAPE	REFERENCE
	<b>De Bakey</b> *straight (width of jaws : 2,5 mm)	<b>12950-01</b> 15 cm - 6"
	<b>De Bakey</b> *straight (width of jaws : 2,5 mm)	<b>12950-02</b> 19,5 cm - 7.3/4"
	<b>De Bakey</b> *straight (width of jaws : 2,5 mm)	<b>12950-03</b> 24 cm - 9.1/2"
	<b>De Bakey</b> *straight (width of jaws : 1,5 mm)	<b>12952-01</b> 15 cm - 6"
	<b>De Bakey</b> *straight (width of jaws : 1,5 mm)	<b>12952-02</b> 19,5 cm - 7.3/4"
	<b>De Bakey</b> *straight (width of jaws : 1,5 mm)	<b>12952-03</b> 24 cm - 9.1/2"
	<b>De Bakey</b> *straight (width of jaws : 3 mm)	<b>12954-01</b> 15 cm - 6"
	<b>De Bakey</b> *straight (width of jaws : 3 mm)	<b>12954-02</b> 19,5 cm - 7.3/4"
	<b>De Bakey</b> *straight (width of jaws : 3 mm)	<b>12954-03</b> 24 cm - 9.1/2"
	<b>De Bakey</b> *angular	<b>12957-01</b> 15 cm - 6"
	<b>De Bakey</b> *angular	<b>12957-02</b> 19,5 cm - 7.3/4"
	<b>De Bakey</b> *angular	<b>12957-03</b> 24 cm - 9.1/2"
	<b>Micro tying forceps</b> **straight (Tungsten Carbide on tip)	<b>12960-01</b> 12 cm - 3.3/4"
	<b>Micro tying forceps</b> **curved (Tungsten Carbide on tip)	<b>12960-02</b> 12 cm - 3.3/4"
	<b>Micro tying forceps</b> **straight (Tungsten Carbide on tip)	<b>12961-01</b> 15 cm - 6"
	<b>Micro tying forceps</b> **curved (Tungsten Carbide on tip)	<b>12961-02</b> 15 cm - 6"
	<b>Micro tying forceps</b> **straight (Tungsten Carbide on tip)	<b>12962-01</b> 18 cm - 7.1/8"
	<b>Micro tying forceps</b> **curved (Tungsten Carbide on tip)	<b>12962-02</b> 18 cm - 7.1/8"
	<b>Cushing</b> *	<b>11950-01</b> 20 cm - 8"

2

Titanium Tissue Forceps.

\*Flat Handle - \*\*Round Handle

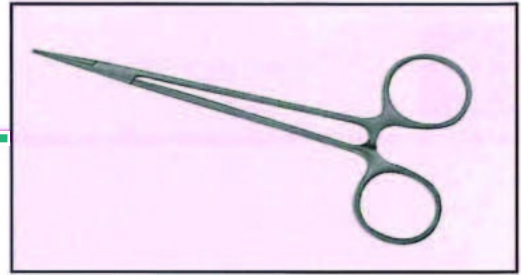


TIP (Scale 1/1)	SHAPE	REFERENCE
	<b>Micro tying forceps</b> **ø int.13/10 ø ext.19/10 (with ring tip)	<b>12966-01</b> 15 cm - 6"
	<b>Micro tying forceps</b> **ø int. 4/10 ø ext. 10/10	<b>12966-02</b> 15 cm - 6"
	<b>Micro tying forceps</b> **ø int. 13/10 ø ext. 19/10	<b>12966-03</b> 18 cm - 7.1/8"
	<b>Micro tying forceps</b> **ø int. 4/10 ø ext. 10/10	<b>12966-04</b> 18 cm - 7.1/8"
	<b>Micro tying forceps</b> **ø int. 10/10 ø ext. 20/10	<b>12966-05</b> 22 cm - 8.3/4"
	<b>Micro tying forceps</b> **ø int. 4/10 ø ext. 10/10	<b>12966-06</b> 22 cm - 8.3/4"
	<b>Adson</b> *without teeth	<b>11952-01</b> 12 cm - 4.3/4"
	<b>Adson</b> *1/2 teeth	<b>11952-02</b> 12 cm - 4.3/4"
	<b>Gerald</b> *serrated tips	<b>11955-01</b> 17,5 cm - 7"
	<b>Gerald</b> *1/2 teeth	<b>11955-02</b> 17,5 cm - 7"
	<b>Mc Indoe</b> *	<b>11957-01</b> 15 cm - 6"
	<b>Gillies</b> *1 x 2 teeth	<b>11959-01</b> 15 cm - 6"
	<b>Cushing</b> *Tungsten Carbide Inserts	<b>11950-02</b> 18 cm - 7.1/8"
	<b>Barraya</b> *2/3 teeth	<b>11962-01</b> 20 cm - 8"
	<b>Guilmet</b> *	<b>11964-01</b> 20 cm - 8"
	<b>Adson</b> *	<b>11952-03</b> 12 cm - 4.3/4"
	<b>Adson</b> *	<b>11952-04</b> 12 cm - 4.3/4"
	<b>Adson-Brown</b> *multiple teeth	<b>11952-05</b> 12 cm - 4.3/4"



3

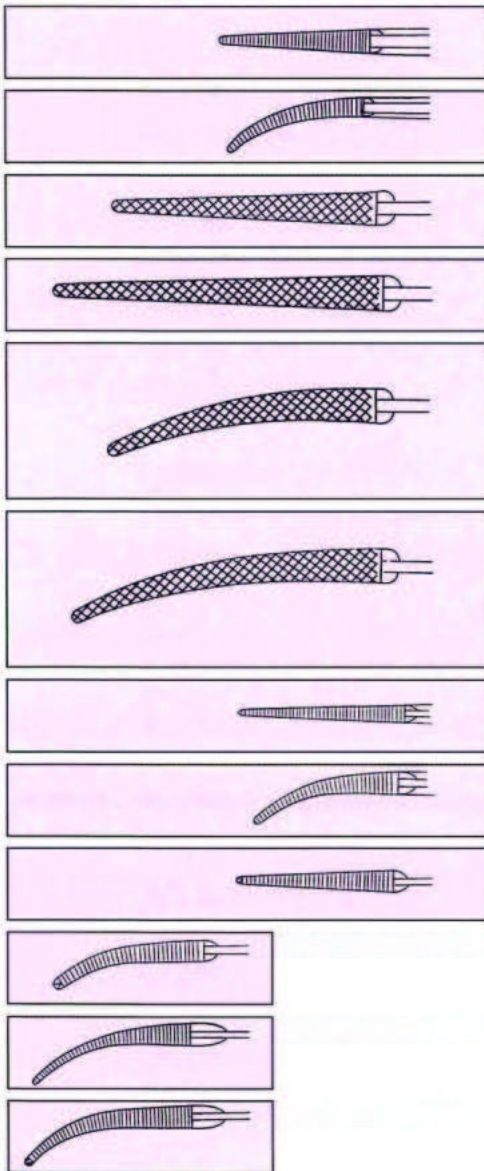
Titanium Haemostatic Forceps.



TIP (Scale 1/1)

SHAPE

REFERENCE

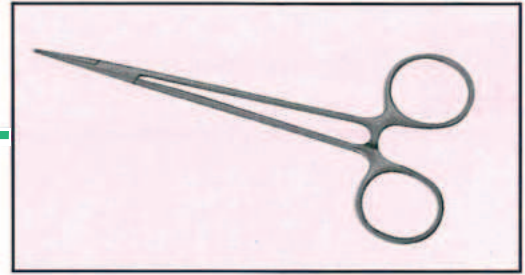


<b>Hartmann</b> straight	<b>13950-01</b> 10 cm - 3.1/2"
<b>Hartmann</b> curved	<b>13950-02</b> 10 cm - 3.1/2"
<b>Bengolea</b> straight	<b>13960-01</b> 18 cm - 7.1/8"
<b>Bengolea</b> straight	<b>13960-02</b> 23 cm - 9.1/8"
<b>Bengolea</b> curved	<b>13960-03</b> 18 cm - 7.1/8"
<b>Bengolea</b> curved	<b>13960-04</b> 23 cm - 9.1/8"
<b>Halstead</b> straight	<b>13952-01</b> 12,5 cm - 4.3/4"
<b>Halstead</b> curved	<b>13952-02</b> 12,5 cm - 4.3/4"
<b>Halstead</b> straight with teeth	<b>13952-03</b> 12,5 cm - 4.3/4"
<b>Halstead</b> curved with teeth	<b>13952-04</b> 12,5 cm - 4.3/4"
<b>Halstead-Baby</b> curved	<b>13953-01</b> 12,5 cm - 4.3/4"
<b>Halstead-Baby</b> curved with teeth	<b>13953-02</b> 12,5 cm - 4.3/4"

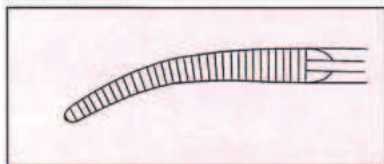


3

Titanium Haemostatic Forceps.



TIP (Scale 1/1)	SHAPE	REFERENCE
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**Leriche**  
straight 13956-01  
15 cm - 6"

**Leriche**  
curved 13956-02  
15 cm - 6"

**Leriche**  
straight (with teeth) 13956-03  
15 cm - 6"

**Leriche**  
curved (with teeth) 13956-04  
15 cm - 6"

**Crile**  
straight 13958-01  
14 cm - 5.1/2"

**Crile**  
straight 13958-02  
16 cm - 6.1/4"

**Crile**  
curved 13958-03  
14 cm - 5.1/2"

**Crile**  
curved 13958-04  
16 cm - 6.1/4"

**Crile**  
straight (with teeth) 13958-05  
14 cm - 5.1/2"

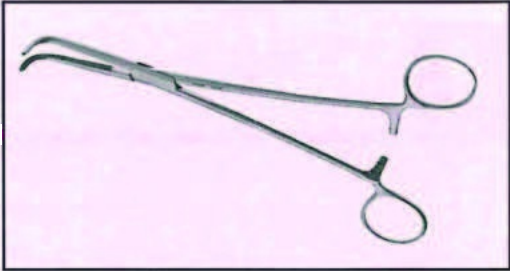
**Crile**  
straight (with teeth) 13958-06  
16 cm - 6.1/4"

**Crile**  
curved (with teeth) 13958-07  
14 cm - 5.1/2"

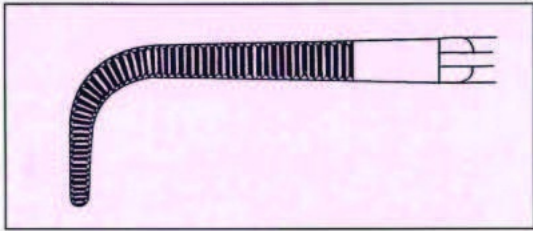
**Crile**  
curved (with teeth) 13958-08  
16 cm - 6.1/4"

**4**

**Titanium Clamping Forceps.**



TIP (Scale 1/1)	SHAPE	REFERENCE
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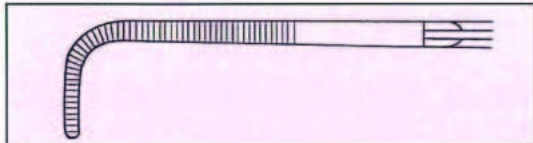
**O'Shaughnessy**  
curved

**13962-01**  
21,5 cm - 8.1/2"



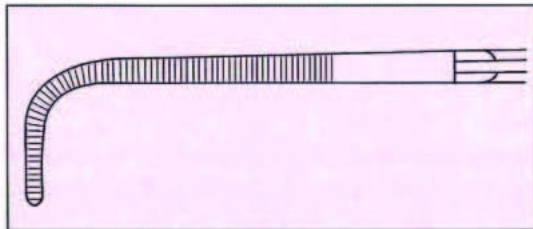
**Heiss**  
1/2 curved

**13964-01**  
21 cm - 8.1/4"



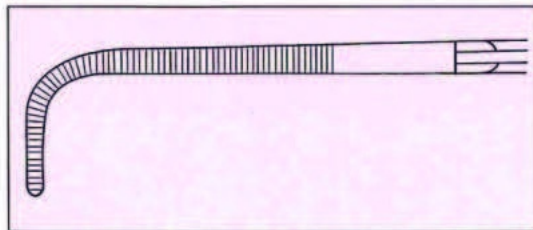
**O'Shaughnessy**  
curved

**13962-02**  
18 cm - 7.1/4"



**O'Shaughnessy**  
curved

**13962-03**  
20 cm - 8"

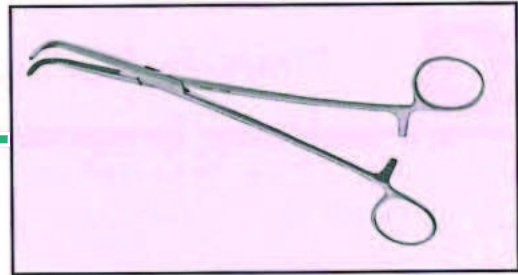


**O'Shaughnessy**  
curved

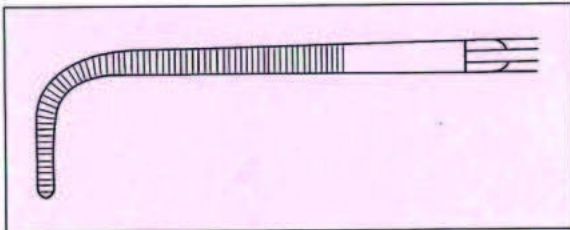
**13962-04**  
22 cm - 8.3/4"

4

Titanium Clamping Forceps.

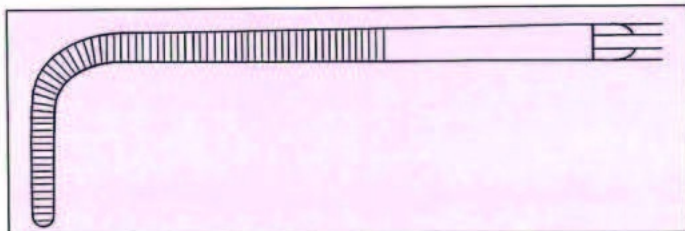


TIP (Scale 1/1)	SHAPE	REFERENCE
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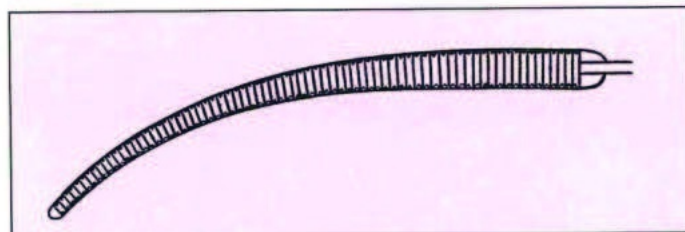
**O'Shaughnessy**  
curved

**13962-05**  
24 cm - 9.1/2"



**O'Shaughnessy**  
curved

**13962-06**  
28 cm - 11"



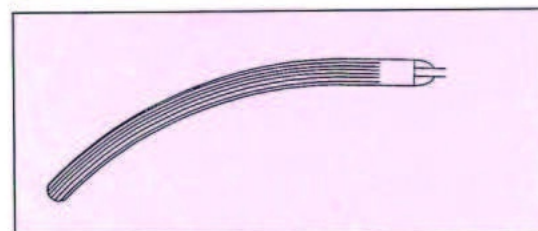
**Crafoord**  
curved

**13966-01**  
24 cm - 9.1/2"



**Doyen**  
straight

**13968-01**  
24 cm - 9.1/2"

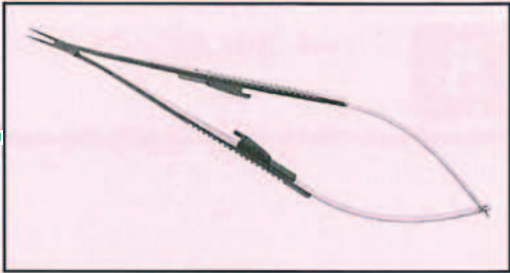


**Doyen**  
curved

**13968-02**  
24 cm - 9.1/2"



**5 Titanium Micro Needle Holders.  
Flat Handle.**



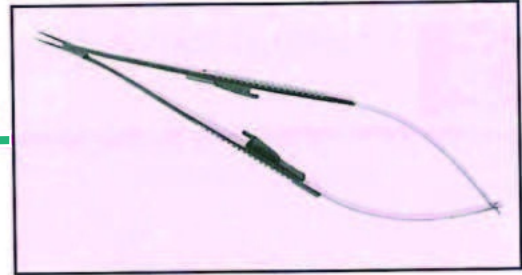
TIP (Scale 1/1)	SHAPE	SIZE	REFERENCE
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**Tungsten Carbide Coated (TCC)**

	straight	16 cm - 6.1/4"	<b>25950-01</b>
	straight with catch	16 cm - 6.1/4"	<b>25950-02</b>
	curved	16 cm - 6.1/4"	<b>25950-03</b>
	curved with catch	16 cm - 6.1/4"	<b>25950-04</b>
	straight	18 cm - 7.1/8"	<b>25951-01</b>
	straight with catch	18 cm - 7.1/8"	<b>25951-02</b>
	curved	18 cm - 7.1/8"	<b>25951-03</b>
	curved with catch	18 cm - 7.1/8"	<b>25951-04</b>
	straight	21 cm - 8.1/4"	<b>25952-01</b>
	straight with catch	21 cm - 8.1/4"	<b>25952-02</b>
	curved	21 cm - 8.1/4"	<b>25952-03</b>
	curved with catch	21 cm - 8.1/4"	<b>25952-04</b>
	straight	23 cm - 9"	<b>25953-01</b>
	straight with catch	23 cm - 9"	<b>25953-02</b>
	curved	23 cm - 9"	<b>25953-03</b>
	curved with catch	23 cm - 9"	<b>25953-04</b>

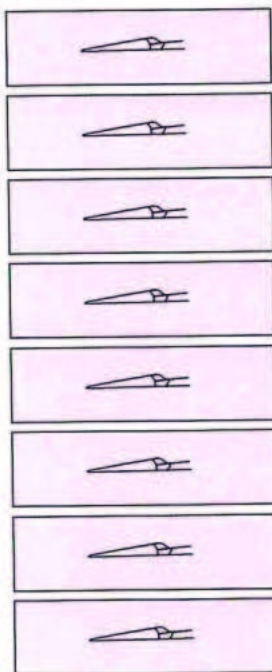
**5**

**Titanium Micro Needle Holders.  
Flat Handle.**



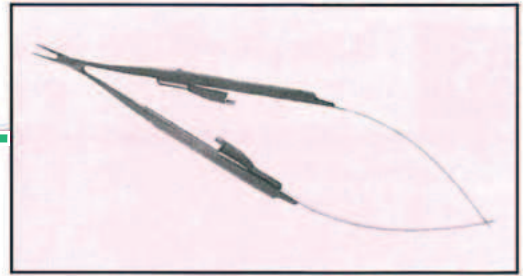
TIP (Scale 1/1)	SHAPE	SIZE	REFERENCE
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**Tungsten Carbide Insert (TCI)**



straight	16 cm - 6.1/4"	<b>25954-01</b>
straight with catch	16 cm - 6.1/4"	<b>25955-01</b>
straight	18 cm - 7.1/8"	<b>25956-01</b>
straight with catch	18 cm - 7.1/8"	<b>25956-02</b>
straight	21 cm - 8.1/4"	<b>25957-01</b>
straight with catch	21 cm - 8.1/4"	<b>25957-02</b>
straight	23 cm - 9"	<b>25958-01</b>
straight with catch	23 cm - 9"	<b>25958-02</b>

**5 Titanium Micro Needle Holders.  
Round Handle.**



TIP (Scale 1/1)	SHAPE	SIZE	REFERENCE
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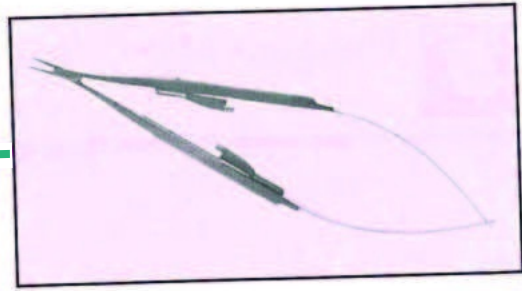
**Tungsten Carbide Coated (TCC)**

	straight	16 cm - 6.1/4"	<b>25960-01</b>
	straight with catch	16 cm - 6.1/4"	<b>25960-02</b>
	curved	16 cm - 6.1/4"	<b>25960-03</b>
	curved with catch	16 cm - 6.1/4"	<b>25960-04</b>
	straight	18 cm - 7.1/8"	<b>25961-01</b>
	straight with catch	18 cm - 7.1/8"	<b>25961-02</b>
	curved	18 cm - 7.1/8"	<b>25961-03</b>
	curved with catch	18 cm - 7.1/8"	<b>25961-04</b>
	straight	21 cm - 8.1/4"	<b>25962-01</b>
	straight with catch	21 cm - 8.1/4"	<b>25962-02</b>
	curved	21 cm - 8.1/4"	<b>25962-03</b>
	curved with catch	21 cm - 8.1/4"	<b>25962-04</b>
	straight	23 cm - 9"	<b>25963-01</b>
	straight with catch	23 cm - 9"	<b>25963-02</b>
	curved	23 cm - 9"	<b>25963-03</b>
	curved with catch	23 cm - 9"	<b>25963-04</b>



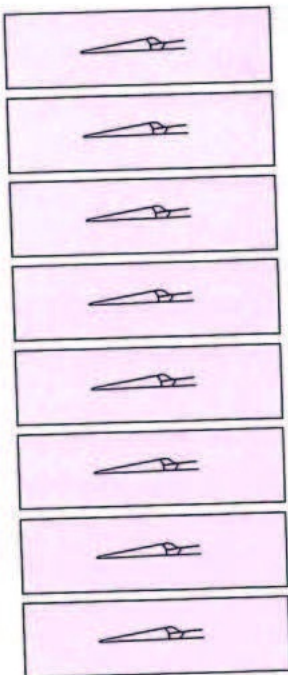
**5**

**Titanium Micro Needle Holders.  
Round Handle.**



TIP (Scale 1/1)	SHAPE	SIZE	REFERENCE
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**Tungsten Carbide Insert (TCI)**

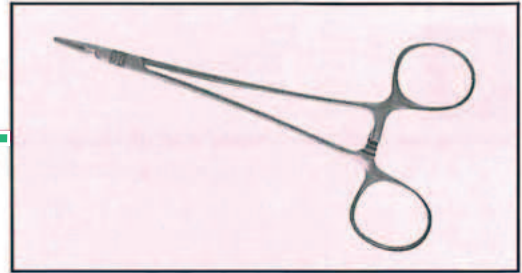


straight	16 cm - 6.1/4"	<b>25964-01</b>
straight with catch	16 cm - 6.1/4"	<b>25964-02</b>
straight	18 cm - 7.1/8"	<b>25966-01</b>
straight with catch	18 cm - 7.1/8"	<b>25966-02</b>
straight	21 cm - 8.1/4"	<b>25967-01</b>
straight with catch	21 cm - 8.1/4"	<b>25967-02</b>
straight	23 cm - 9"	<b>25968-01</b>
straight with catch	23 cm - 9"	<b>25968-02</b>

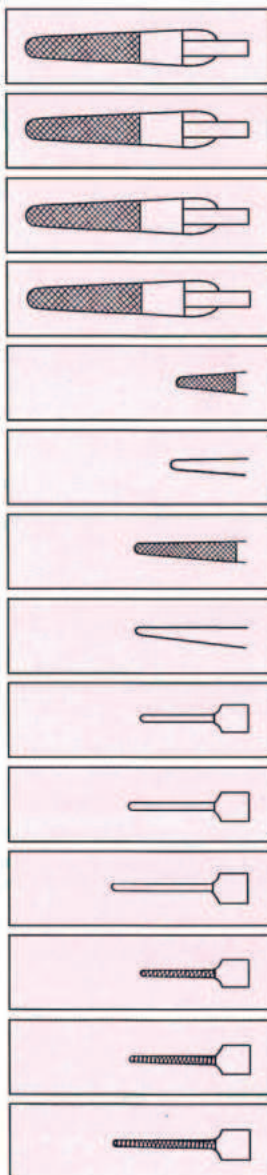
5

Titanium Needle Holders.

\*Carbide Coated - \*\*Carbide Inserts



TIP (Scale 1/1)	SHAPE	SIZE	REFERENCE
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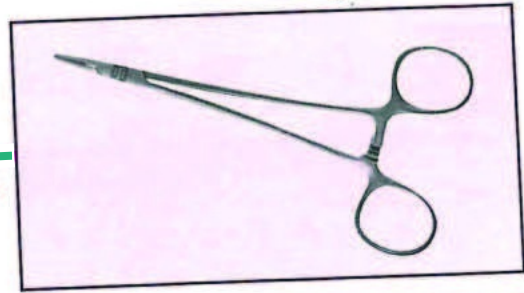
<b>Mayo-Hegar</b> 1800 teeth per square inch	**Tungsten	16 cm - 6.1/4"	<b>25970-01</b>
<b>Mayo-Hegar</b> 1800 teeth per square inch	**Tungsten	18 cm - 7.1/8"	<b>25970-02</b>
<b>Mayo-Hegar</b> 1800 teeth per square inch	**Tungsten	20 cm - 8"	<b>25970-03</b>
<b>Mayo-Hegar</b> 1800 teeth per square inch	**Tungsten	22 cm - 8.3/4"	<b>25970-04</b>
<b>Derf</b> 4000 teeth per square inch	**Tungsten	11,5 cm - 4.1/2"	<b>25972-01</b>
<b>Derf</b>	*Tungsten	11,5 cm - 4.1/2"	<b>25972-02</b>
<b>Halsey</b> for suture sizes 4-0 to 6-0/4000 teeth/inch <sup>2</sup>	**Tungsten	12,5 cm - 5"	<b>25973-01</b>
<b>Halsey</b> for suture up to sizes 8-0	*Tungsten	12,5 cm - 5"	<b>25973-02</b>
<b>Ryder</b> smooth TC projection	*Smooth	15 cm - 6"	<b>25975-01</b>
<b>Ryder</b> smooth TC projection	*Smooth	17 cm - 6.3/4"	<b>25975-02</b>
<b>Ryder</b> smooth TC projection	*Smooth	19 cm - 7.1/2"	<b>25975-03</b>
<b>Ryder</b> 7000 teeth per square inch	*Tungsten	15 cm - 6"	<b>25975-04</b>
<b>Ryder</b> 7000 teeth per square inch	*Tungsten	17 cm - 6.3/4"	<b>25975-05</b>
<b>Ryder</b> 7000 teeth per square inch	** Tungsten	19 cm - 7.1/2"	<b>25975-06</b>



5

Titanium Needle Holders.

\* = Carbide Coated - \*\* = Carbide Inserts

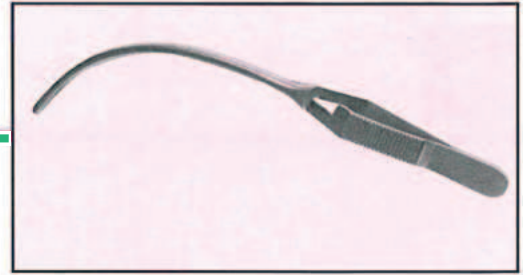



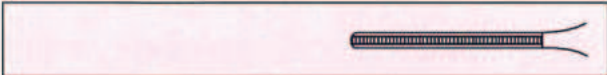
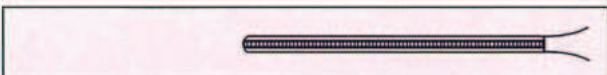
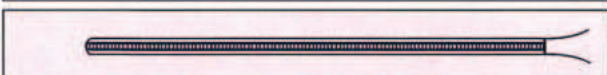
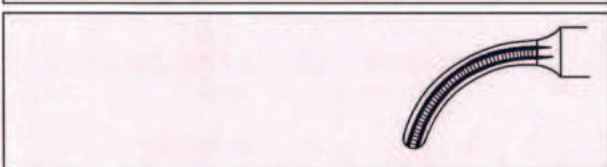

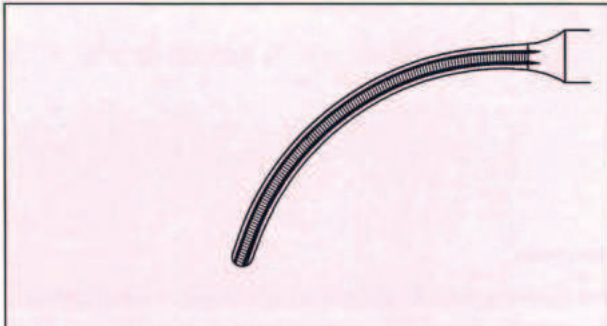
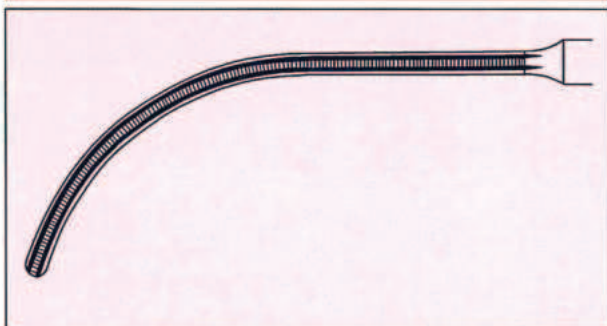
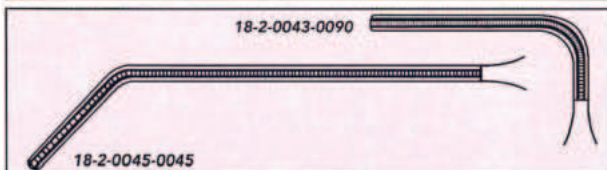
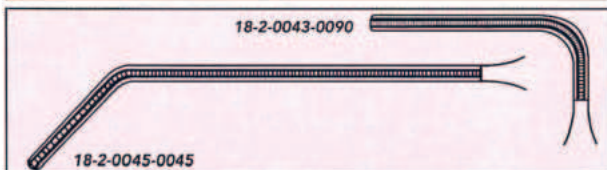
TIP (Scale 1/1)	SHAPE	SIZE	REFERENCE
	<b>De Bakay</b> 4000 teeth per square inch	** Tungsten 16 cm - 6.1/4"	<b>25977-01</b>
	<b>De Bakay</b> 4000 teeth per square inch	** Tungsten 18 cm - 7.1/8"	<b>25977-02</b>
	<b>De Bakay</b> 4000 teeth per square inch	** Tungsten 20 cm - 8"	<b>25977-03</b>
	<b>De Bakay</b> 4000 teeth per square inch	** Tungsten 22 cm - 8.5/8"	<b>25977-04</b>
	<b>De Bakay</b> 4000 teeth per square inch	** Tungsten 25 cm - 10"	<b>25977-05</b>
	<b>De Bakay</b> smooth TC projection	* Smooth 18 cm - 7.1/8"	<b>25977-06</b>
	<b>De Bakay</b> smooth TC projection	* Smooth 20 cm - 8"	<b>25977-07</b>
	<b>De Bakay</b> smooth TC projection	* Smooth 22 cm - 8.5/8"	<b>25977-08</b>
	<b>De Bakay</b> smooth TC projection	* Smooth 25 cm - 10"	<b>25977-09</b>
	<b>Intracardiac</b> smooth TC projection	* Smooth 18 cm - 7.1/8"	<b>25980-01</b>
	<b>Intracardiac</b> smooth TC projection	* Smooth 20 cm - 8"	<b>25980-02</b>
	<b>Intracardiac</b> smooth TC projection	* Smooth 22 cm - 8.5/8"	<b>25980-03</b>
	<b>Intracardiac</b> smooth TC projection	* Smooth 25 cm - 10"	<b>25980-04</b>
	<b>Microvascular</b> smooth TC projection	* Smooth 16 cm - 6.1/4"	<b>25981-00</b>
	<b>Microvascular</b> smooth TC projection	* Smooth 18 cm - 7.1/8"	<b>25981-01</b>
	<b>Microvascular</b> smooth TC projection	* Smooth 20 cm - 8"	<b>25981-02</b>
	<b>Microvascular</b> smooth TC projection	* Smooth 22 cm - 8.5/8"	<b>25981-03</b>
	<b>Microvascular</b> smooth TC projection	* Smooth 25 cm - 10"	<b>25981-04</b>



6

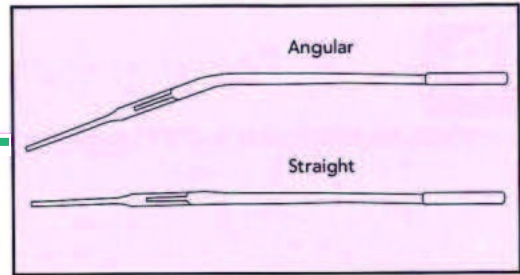
Titanium Bulldog Clamps.



TIP (Scale 1/1)	SHAPE	REFERENCE
	<b>De Bakey</b> straight	<b>13970-01</b> 7,5 cm - 3"
	<b>De Bakey</b> straight	<b>13970-02</b> 8,5 cm - 3.3/8"
	<b>De Bakey</b> straight	<b>13970-03</b> 10 cm - 4"
	<b>De Bakey</b> straight	<b>13970-04</b> 12 cm - 4.3/4"
	<b>De Bakey</b> curved	<b>13970-05</b> 7,5 cm - 3"
	<b>De Bakey</b> curved	<b>13970-06</b> 8,5 cm - 3.3/8"
	<b>De Bakey</b> curved	<b>13970-07</b> 10 cm - 4.1/8"
	<b>De Bakey</b> curved	<b>13970-08</b> 12 cm - 4.3/4"
	<b>De Bakey</b> 90° angled	<b>13970-09</b> 7 cm - 2.3/4"
	<b>De Bakey</b> 45° angled	<b>13970-10</b> 12 cm - 4.3/4"

6

Titanium Vascular Clamps.

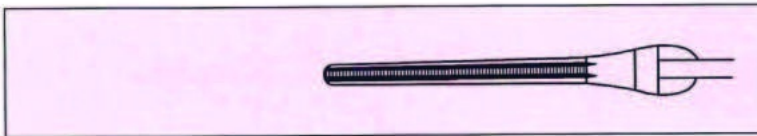


TIP (Scale 1/1)

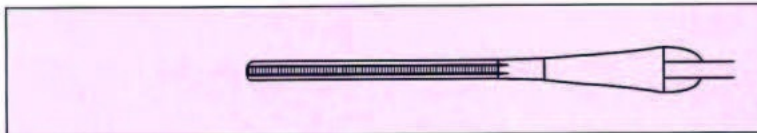
SHAPE

REFERENCE

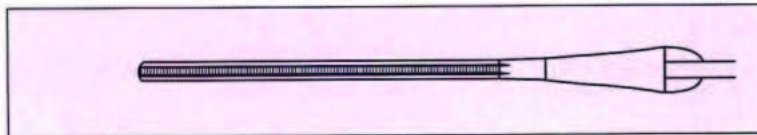
Patent Ductus Coarctation Vascular Clamps



**Glover** 61950-01  
straight - De Bakey jaws 20 cm - 8"



**Glover** 61950-02  
angular - De Bakey jaws 20 cm - 8"



**Glover** 61950-03  
straight - De Bakey jaws 20 cm - 8"

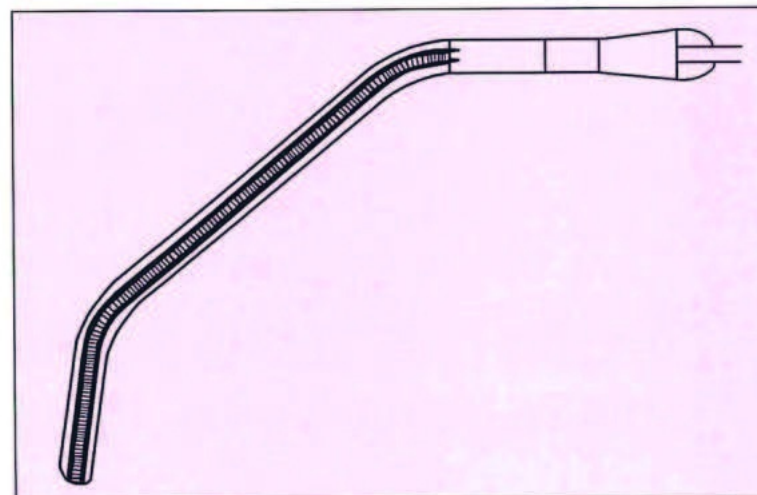


**Glover** 61950-04  
angular - De Bakey jaws 20 cm - 8"



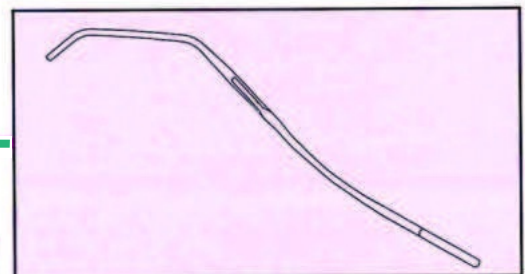
**Glover** 61950-05  
straight - De Bakey jaws 21 cm - 8.1/4"

**Glover** 61950-06  
angular - De Bakey jaws 21 cm - 8.1/4"



**Glover** 61950-07  
straight - De Bakey jaws 22 cm - 8.5/8"

**Glover** 61950-08  
angular - De Bakey jaws 22 cm - 8.5/8"

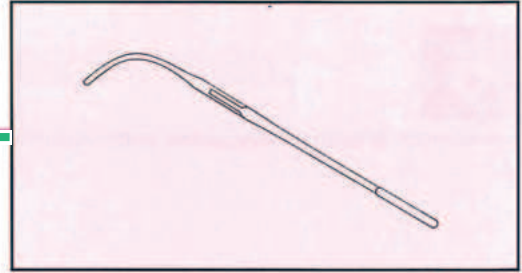


**Swan**  
atrial clamp

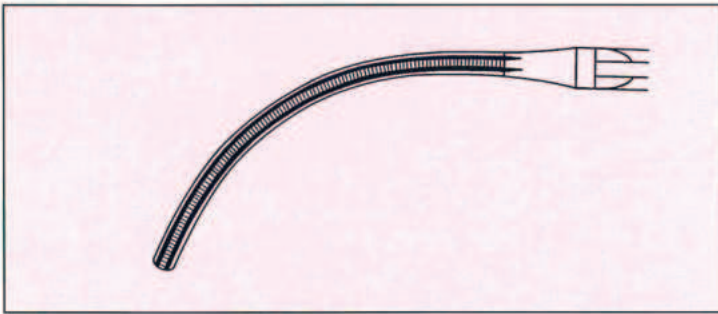
61952-01  
23 cm - 9"

6

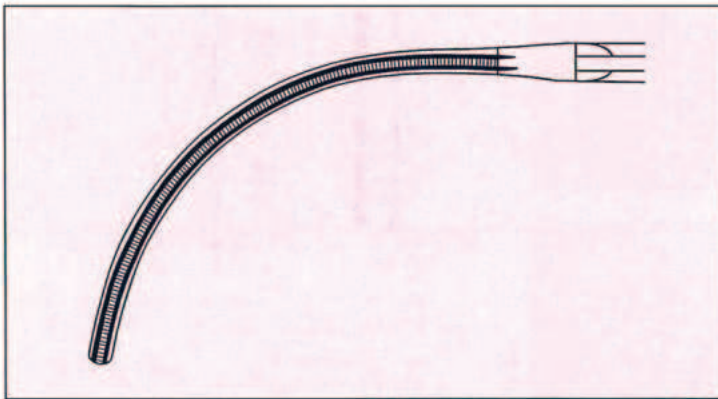
Titanium Vascular Clamps.



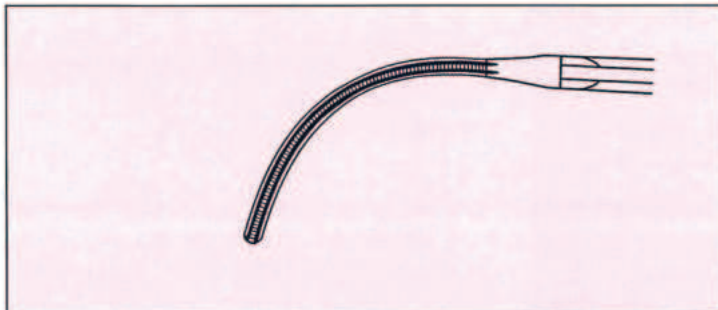
TIP (Scale 1/1)	SHAPE	REFERENCE
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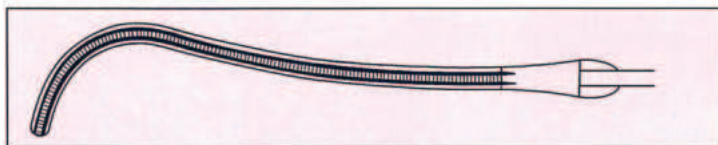
**Glover**  
curved - De Bakey jaws      **61953-01**  
21 cm - 8.1/4"



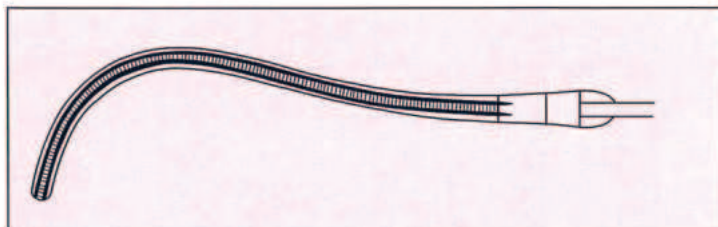
**Glover**  
curved - De Bakey jaws      **61953-02**  
24 cm - 9.1/2"



**De Bakey**  
De Bakey jaws      **61955-01**  
15 cm - 6"



**De Bakey**  
De Bakey jaws      **61955-02**  
21 cm - 8.1/4"

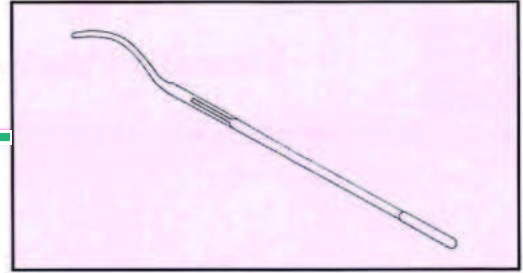


**De Bakey**  
De Bakey jaws      **61955-03**  
24 cm - 9.1/2"

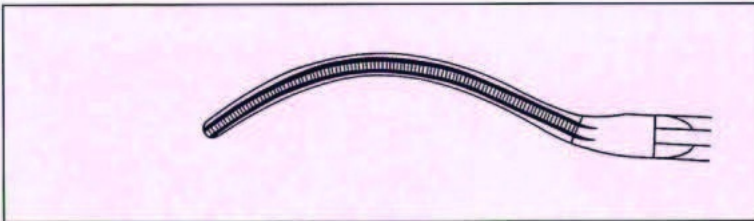


6

Titanium Vascular Clamps.

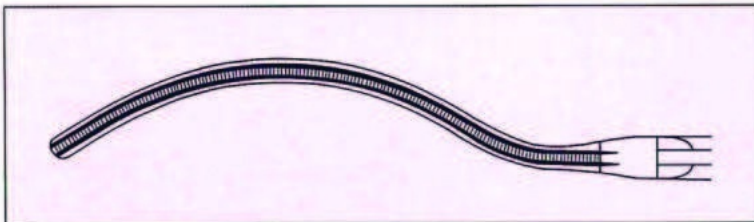


TIP (Scale 1/1)	SHAPE	REFERENCE
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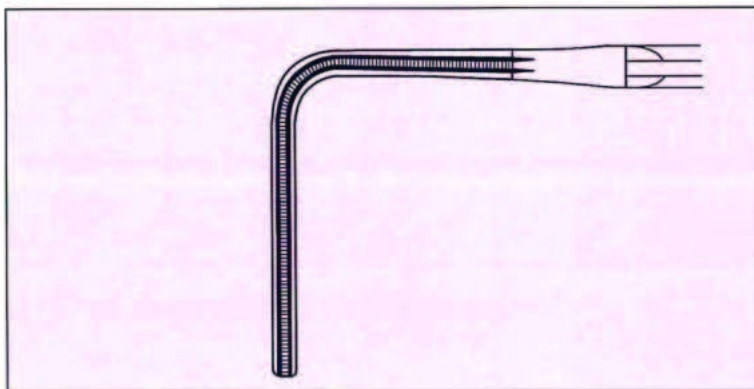
**Glover**  
Spoon shaped

**61957-01**  
21,5 cm - 8.1/2"



**Glover**  
Spoon shaped

**61957-02**  
26 cm - 10.3/8"

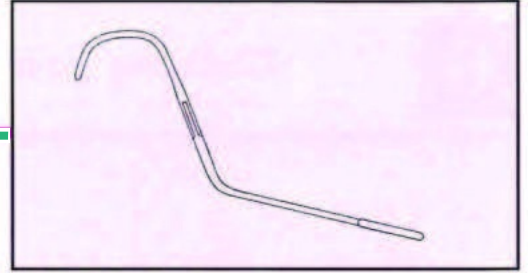


**Lees**  
**Bronchus clamp**  
for vessels and bronchus-De Bakey jaws

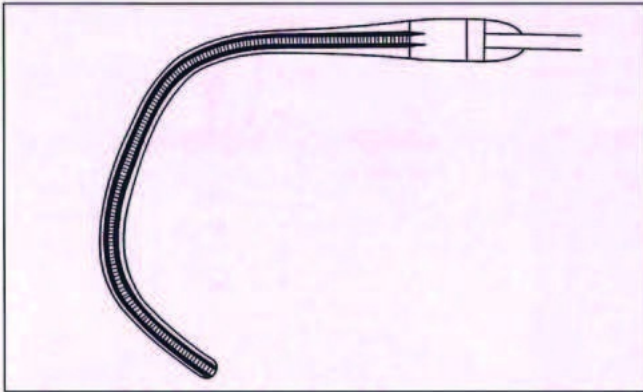
**61957-03**  
22 cm - 8.3/4"

**6**

**Titanium Vascular Clamps.**

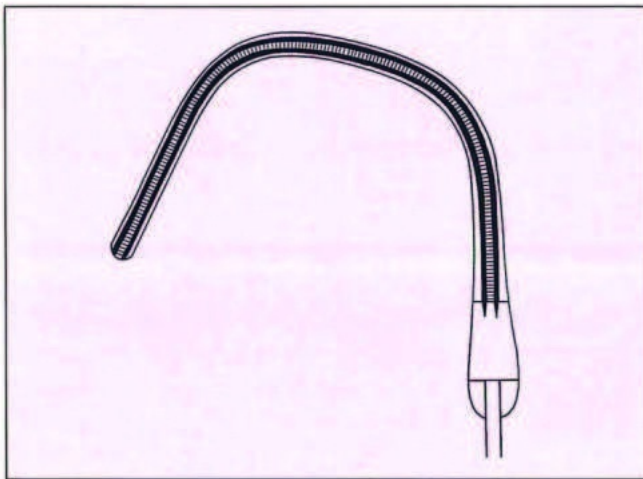


TIP (Scale 1/1)	SHAPE	REFERENCE
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**Lambert-Kay**  
De Bakey jaws

**61958-01**  
20 cm - 8"

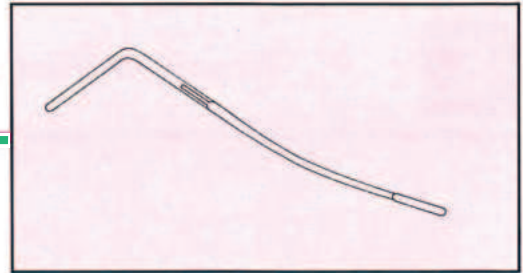


**Kay**  
De Bakey jaws

**61958-02**  
20 cm - 8"

**6**

**Titanium Vascular Clamps.**

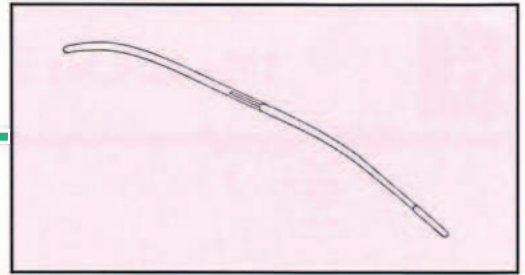


TIP (Echelle 1/1)	SHAPE	REFERENCE
	<p><b>De Bakey</b> De Bakey jaws</p>	<p><b>61960-01</b> 26,5 cm - 10.1/2"</p>
	<p><b>Glover</b> Cooley jaws</p>	<p><b>61960-02</b> 26,5 cm - 10.1/2"</p>
	<p><b>Cooley</b> Cooley jaws for iliac artery</p>	<p><b>61960-03</b> 21,5 cm - 8.1/2"</p>
	<p><b>Cooley</b> Cooley jaws for iliac artery</p>	<p><b>61960-04</b> 26 cm - 10.3/8"</p>
	<p><b>Lees</b> <b>Bronchus clamp</b></p>	<p><b>61960-05</b> 23 cm - 9.1/4"</p>

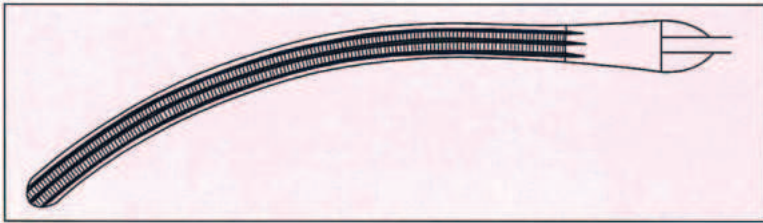


**6**

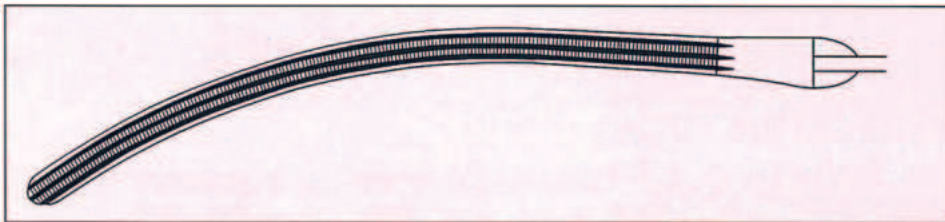
**Titanium Vascular Clamps.**



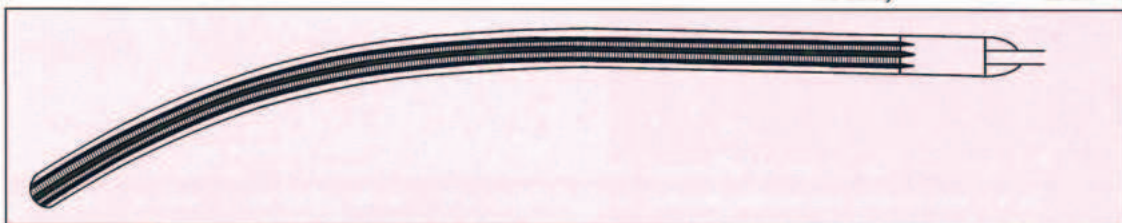
TIP (Scale 1/1)	SHAPE	REFERENCE
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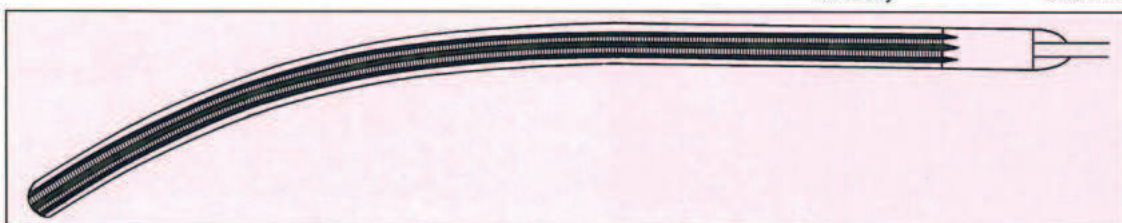
**De Bakey**      **61962-01**  
De Bakey      28 cm - 11"



**De Bakey**      **61962-02**  
De Bakey      30 cm - 12"



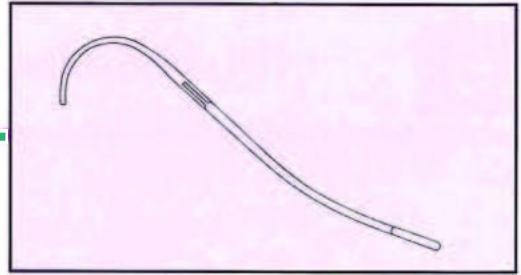
**De Bakey**      **61962-03**  
De Bakey      32 cm - 12.5/8"



**De Bakey**      **61962-04**  
De Bakey      34 cm - 13.1/2"

**6**

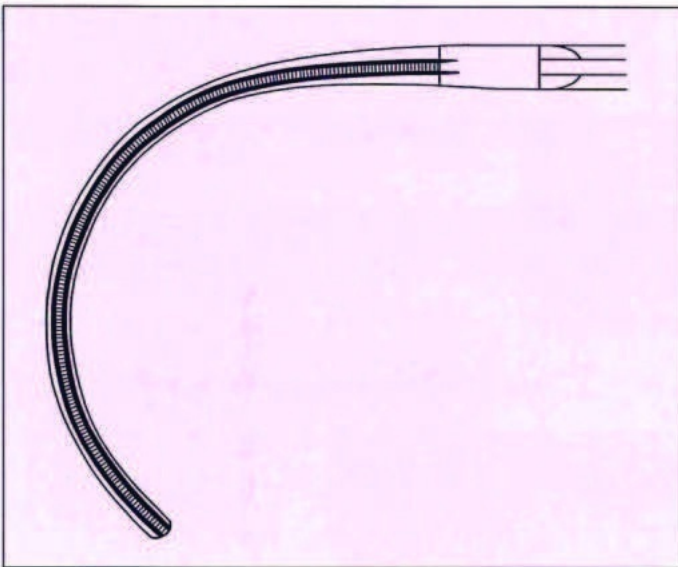
**Titanium Vascular Clamps.**



TIP (Scale 1/1)

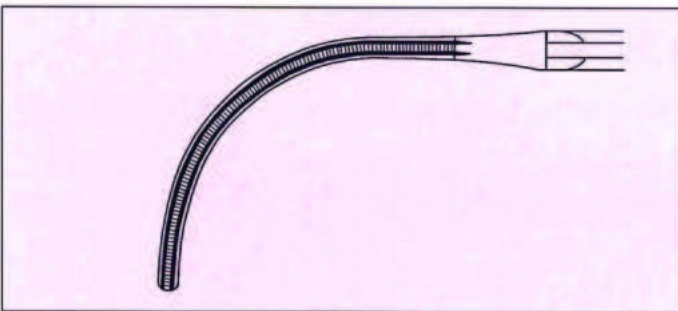
SHAPE

REFERENCE



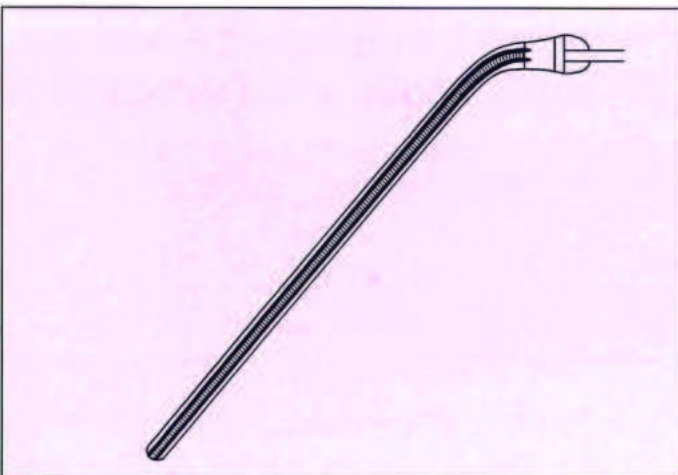
**De Bakey**  
De Bakey jaws

**61963-01**  
26,5 cm - 10.1/2"



**De Bakey**  
De Bakey jaws

**61963-02**  
26 cm - 10.3/8"

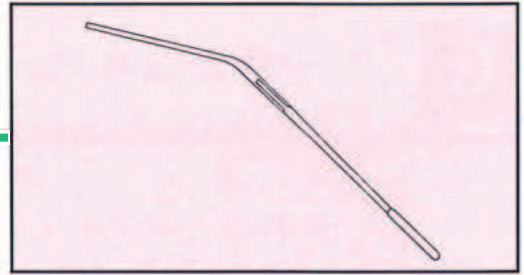


**De Bakey**  
De Bakey jaws

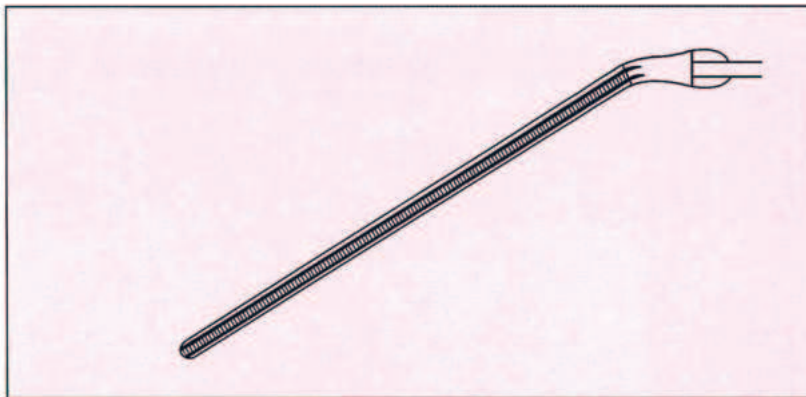
**61963-03**  
18 cm - 7.1/8"

**6**

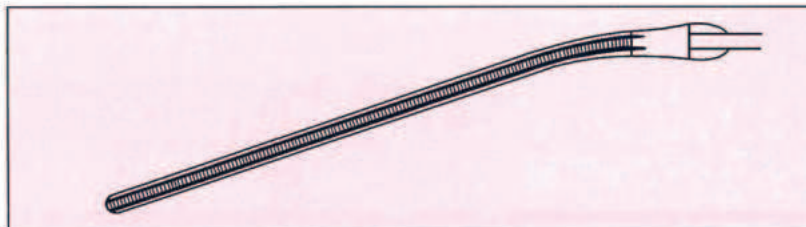
**Titanium Vascular Clamps.**



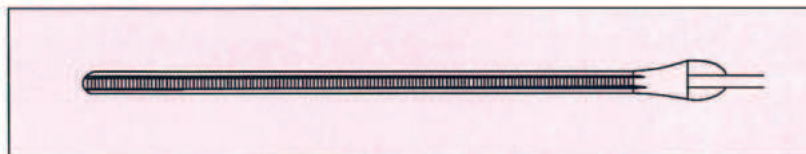
TIP (Scale 1/1)	SHAPE	REFERENCE
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**Leland-Jones 61964-01**  
De Bakey jaws 19 cm - 7.1/2"



**Leland-Jones 61964-02**  
De Bakey jaws 20 cm - 8"

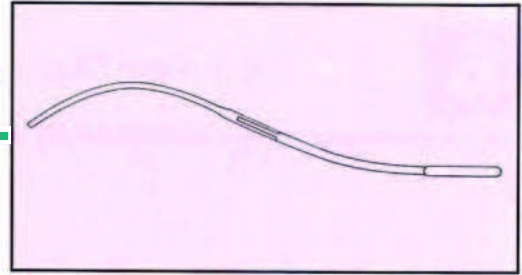


**Leland-Jones 61964-03**  
De Bakey jaws 21 cm - 8.1/4"



6

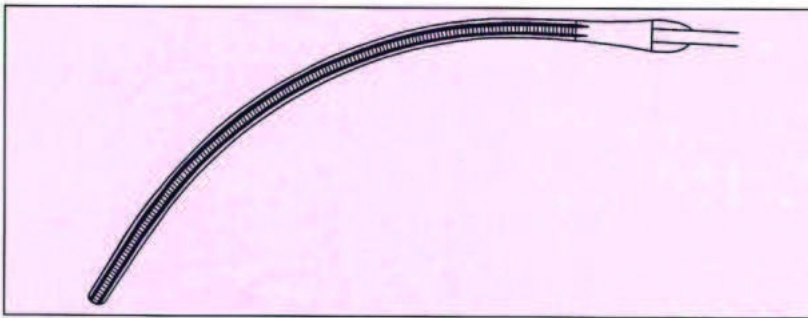
Titanium Vascular Clamps.



TIP (Scale 1/1)

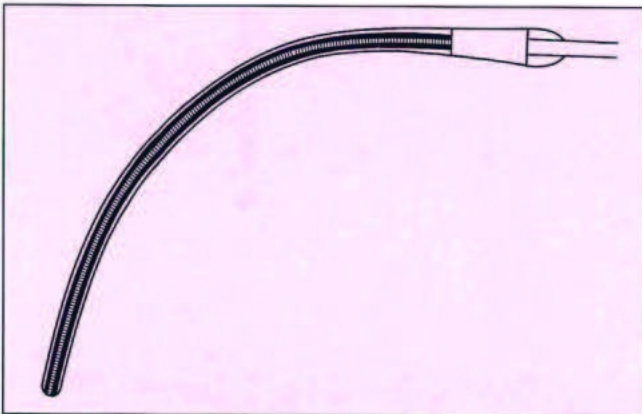
SHAPE

REFERENCE



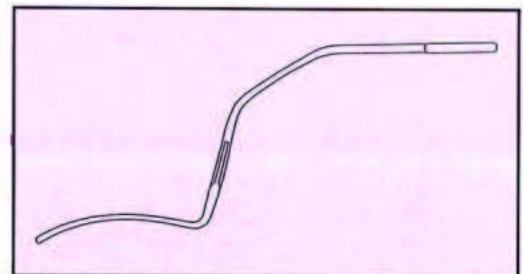
**De Bakey**  
De Bakey jaws

**61965-01**  
20 cm - 8"



**De Bakey**  
De Bakey jaws

**61965-02**  
18,5 cm - 7.3/8"

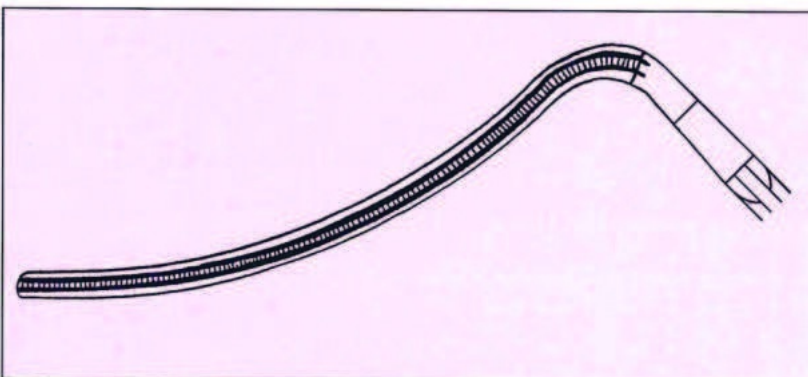


**Hufnagel**

De Bakey jaws (Lg : 8 cm)

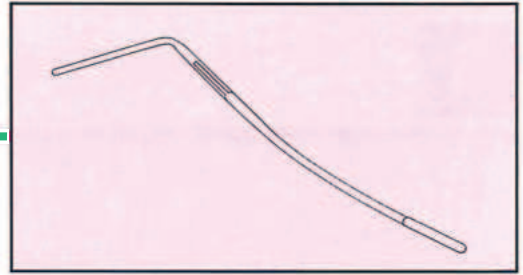
**61966-01**

23 cm - 9"

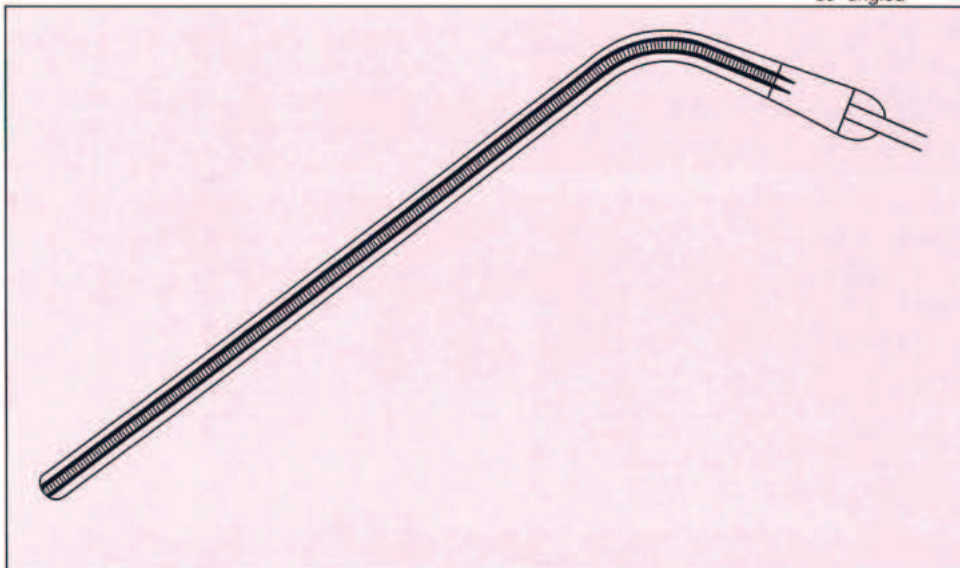


**6**

**Titanium Vascular Clamps.**

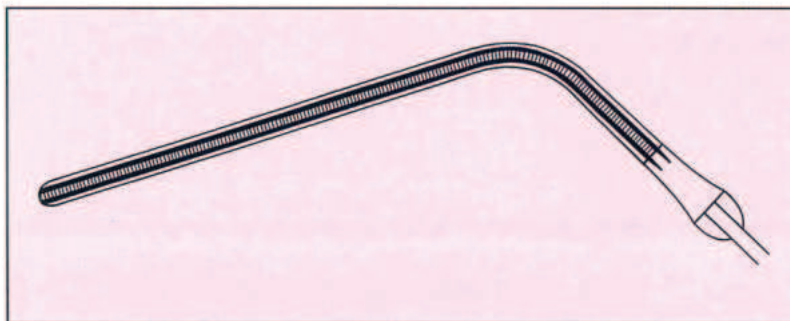


TIP (Scale 1/1)	SHAPE	REFERENCE
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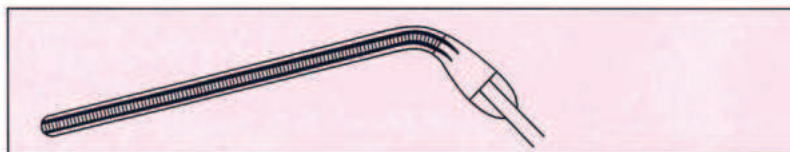
**De Bakey**  
60° angled

**61967-01**  
30,5 cm - 12"



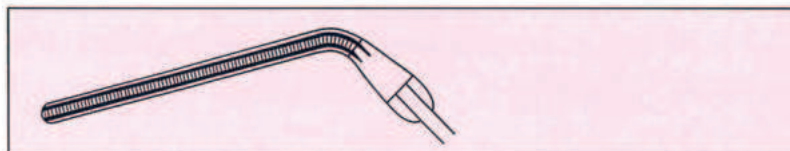
**De Bakey**  
60° angled

**61967-02**  
25 cm - 10"



**De Bakey**  
60° angled

**61967-03**  
23,5 cm - 9.1/4"

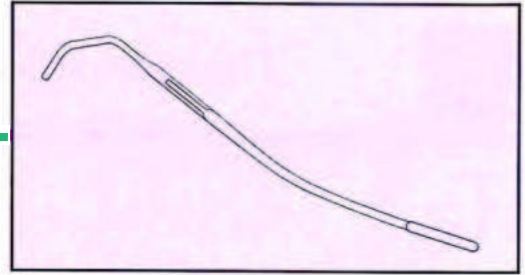


**De Bakey**  
60° angled

**61967-04**  
21 cm - 8.1/4"

6

Titanium Vascular Clamps.

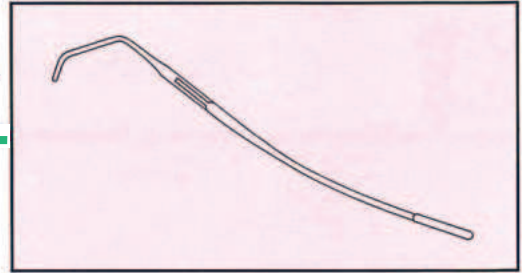


TIP (Scale 1/1)	SHAPE	REFERENCE
	<p><b>De Bakey</b> occlusion clamp</p>	<p><b>61977-01</b> 27 cm - 10.3/4"</p>
	<p><b>De Bakey</b> occlusion clamp</p>	<p><b>61977-02</b> 25 cm - 10"</p>
	<p><b>De Bakey</b> occlusion clamp</p>	<p><b>61977-03</b> 25 cm - 10"</p>
	<p><b>De Bakey</b> occlusion clamp</p>	<p><b>61977-04</b> 25 cm - 10"</p>
	<p><b>De Bakey</b> occlusion clamp</p>	<p><b>61977-05</b> 19 cm - 7.3/4"</p>



6

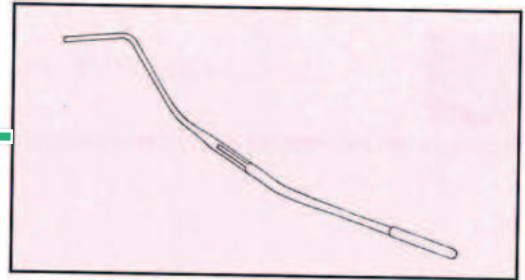
Titanium Vascular Clamps.



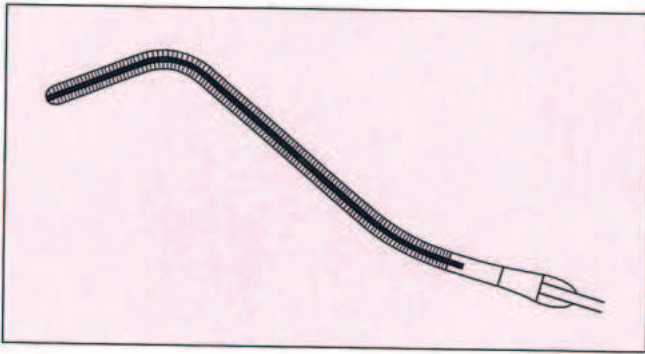
TIP (Scale 1/1)	SHAPE	REFERENCE
	<b>Satinsky</b> for vena cava	<b>61978-01</b> 25 cm - 10"
	<b>Satinsky</b> for vena cava	<b>61978-02</b> 25 cm - 10"
	<b>Satinsky</b> for vena cava	<b>61978-03</b> 25 cm - 10"
	<b>Glover</b> for auricular appendage	<b>61978-04</b> 25 cm - 10"
	<b>De Bakey</b> De Bakey jaws (Lg : 6,5 cm)	<b>61978-05</b> 26 cm - 10.1/2"

**6**

**Titanium Vascular Clamps.**

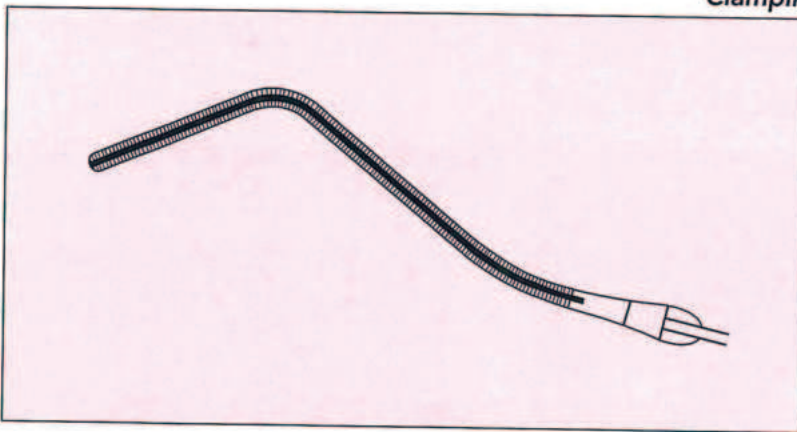


TIP (Scale 1/1)	SHAPE	REFERENCE
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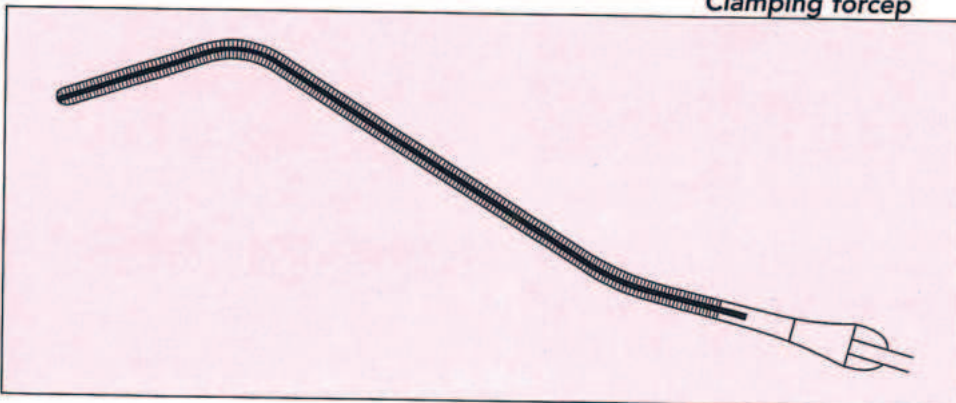
**Renal Artery Clamping forcep**

**61979-01**  
19 cm - 7.1/2"



**Renal Artery Clamping forcep**

**61979-02**  
20 cm - 8"

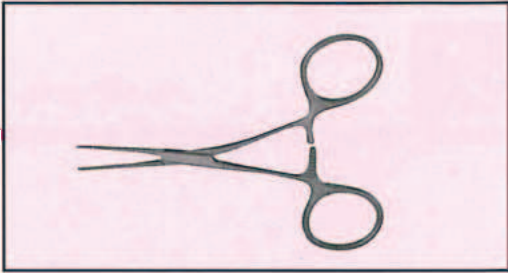


**Renal Artery Clamping forcep**

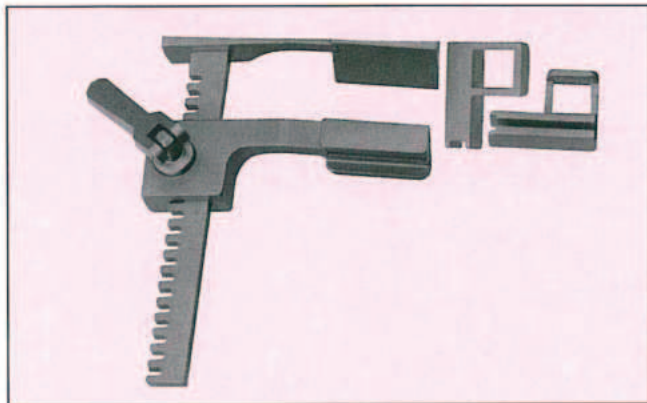
**61979-03**  
27 cm - 10.3/4"

**7**

**Titanium  
Pediatric Instruments.**

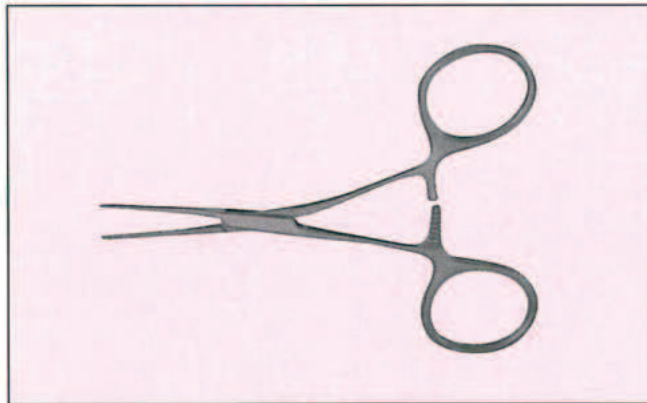


TIP (Scale 1/1)	SHAPE	REFERENCE
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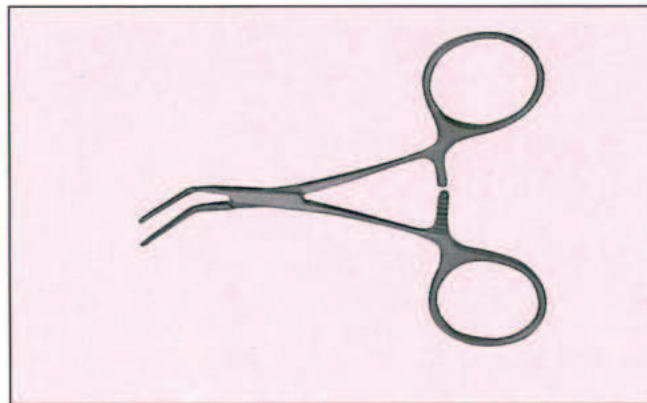
**Sternal spreader**  
2 pairs of blades (52 mm)

**19955-00**



**De Bakey**  
straight jaws

**61980-01**  
10,5 cm - 4"



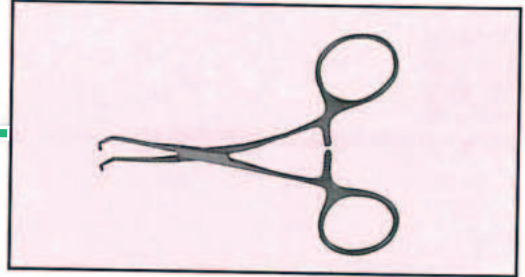
**De Bakey**  
jaws 60° angled (105 mm)

**61980-02**  
10,5 cm - 4"



**7**

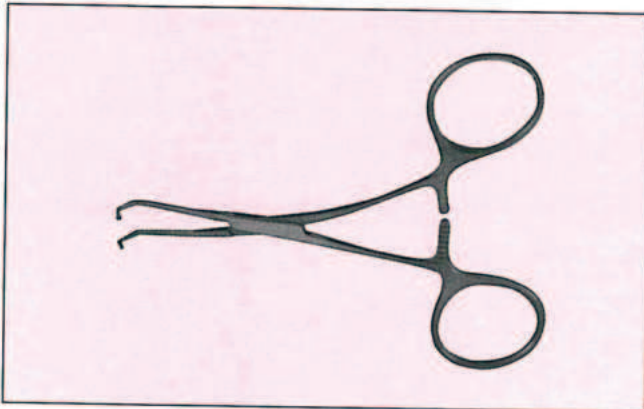
**Titanium  
Pediatric Instruments.**



TIP (Scale 1/1)

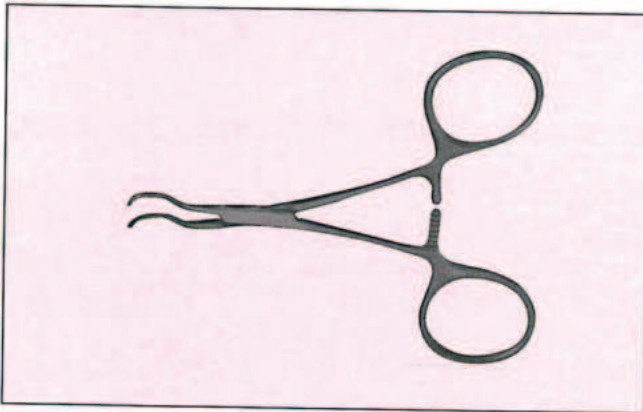
SHAPE

REFERENCE



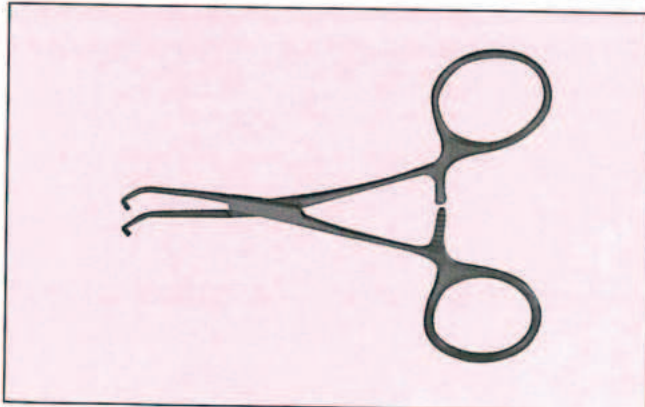
**De Bakey**  
clamp for anastomosis

**61980-03**  
6x10,5 cm - 4"



**De Bakey**  
clamp for anastomosis

**61980-04**  
6x10,5 cm - 4"

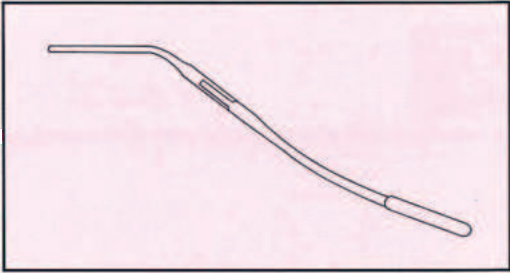


**De Bakey**  
clamp for anastomosis

**61980-05**  
9x10,5 cm - 4"

**7**

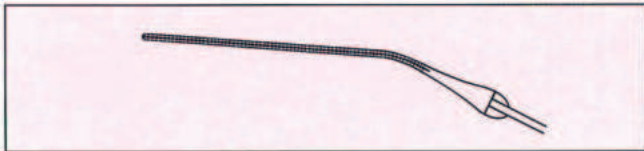
**Titanium  
Pediatric Instruments.**



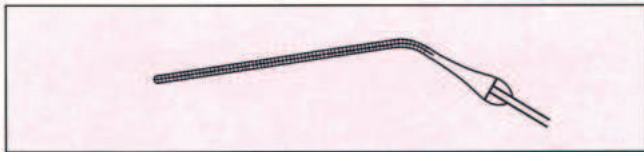
TIP (Scale 1/1)	SHAPE	REFERENCE
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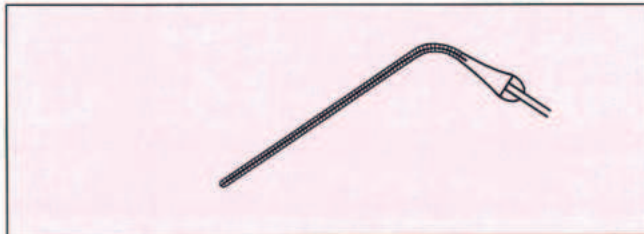
**Castaneda** **61981-01**  
clamping forceps (10 grams) : straight 13 cm - 5.1/4"



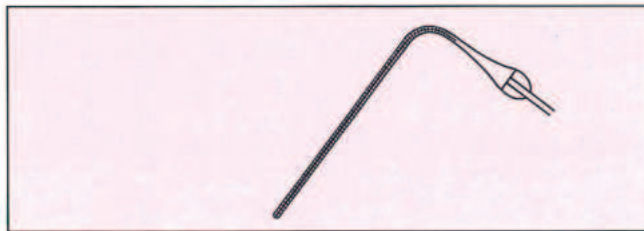
**Castaneda** **61981-02**  
clamping forceps (10 grams) : 30° 13 cm - 5.1/4"



**Castaneda** **61981-03**  
clamping forceps (10 grams) : 50° 13 cm - 5.1/4"



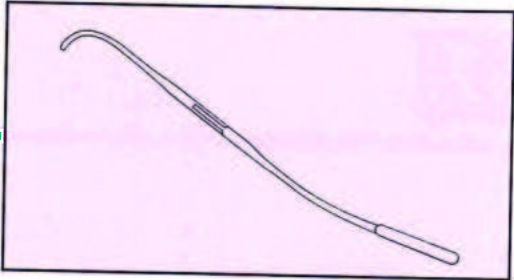
**Castaneda** **61981-04**  
clamping forceps (10 grams) : 70° 12 cm - 4.3/4"



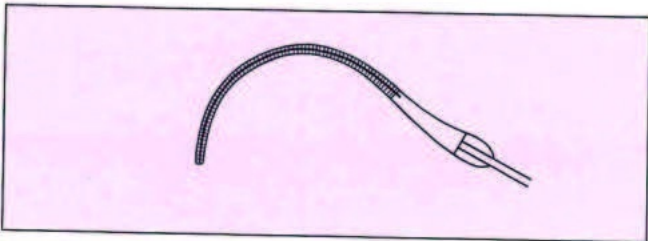
**Castaneda** **61981-05**  
clamping forceps (10 grams) : 90° 11 cm - 4.1/4"

**7**

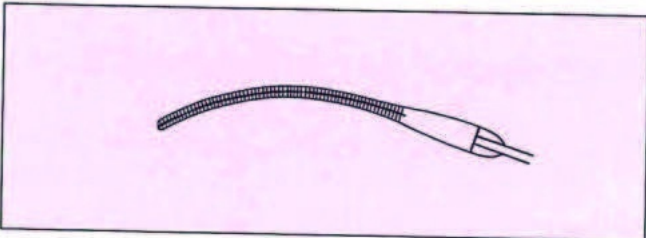
**Titanium Pediatric Instruments.**



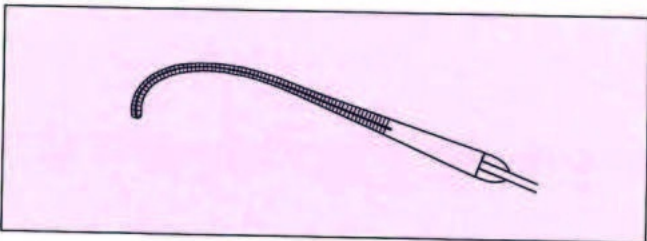
TIP (Scale 1/1)	SHAPE	REFERENCE
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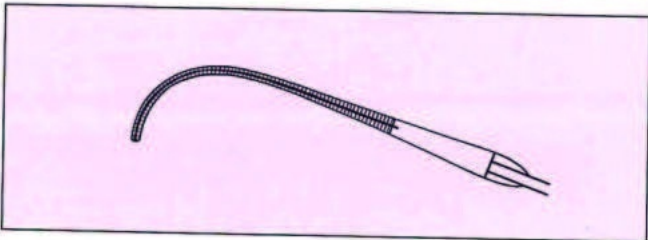
**Castaneda**  
clamping forceps (10 grams) **61982-01**  
12 cm - 4.3/4"



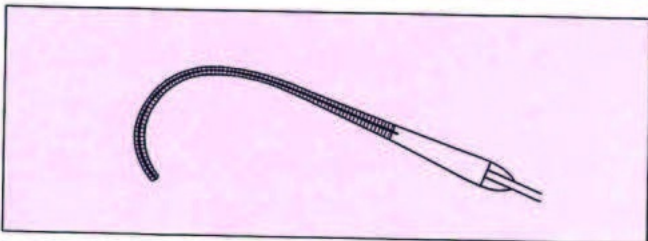
**Castaneda**  
clamping forceps (10 grams) **61982-02**  
13 cm - 5.1/4"



**Castaneda**  
clamping forceps (10 grams) **61982-03**  
15 cm - 6"



**Castaneda**  
clamping forceps (15 grams) **61982-04**  
15 cm - 6"

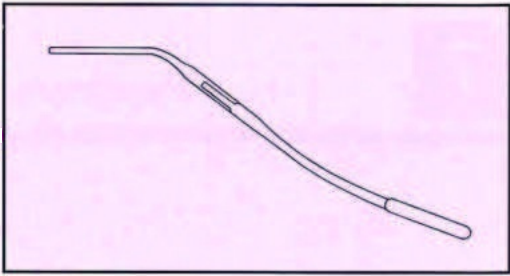


**Castaneda**  
clamping forceps (15 grams) **61982-05**  
15 cm - 6"

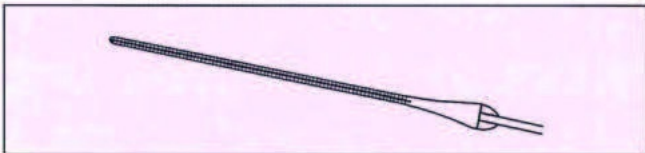


7

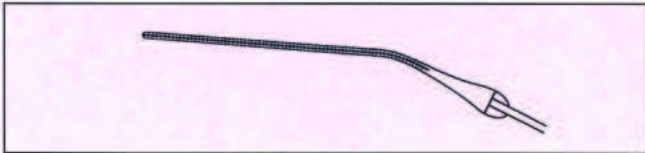
**Titanium  
Pediatric Instruments.**



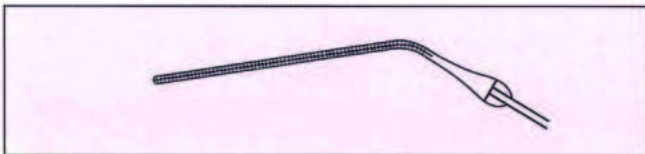
TIP (Scale 1/1)	SHAPE	REFERENCE
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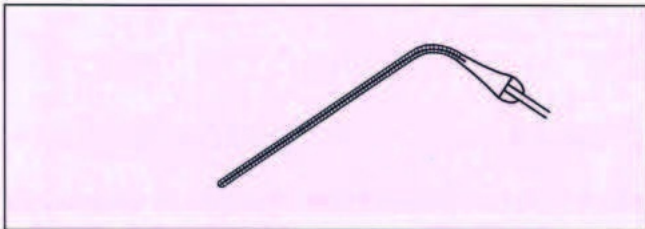
**Castaneda** 61983-01  
clamping forceps (15 grams) : straight 16 cm - 6.1/4"



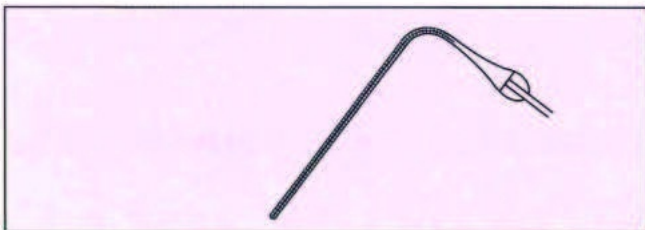
**Castaneda** 61983-02  
clamping forceps (15 grams) : 30° 16 cm - 6.1/4"



**Castaneda** 61983-03  
clamping forceps (15 grams) : 50° 15 cm - 6"



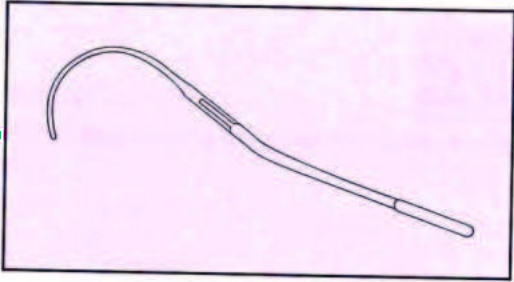
**Castaneda** 61983-04  
clamping forceps (15 grams) : 70° 15 cm - 6"



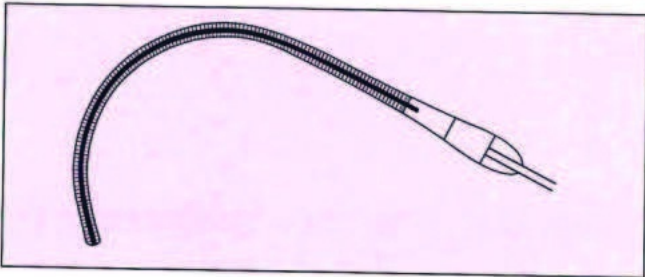
**Castaneda** 61983-05  
clamping forceps (15 grams) : 90° 14 cm - 5.3/4"

**7**

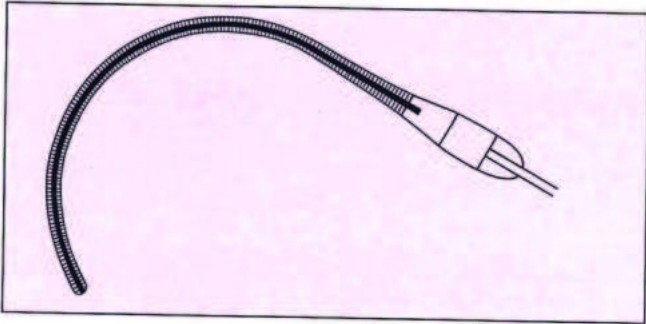
**Titanium Pediatric Instruments.**



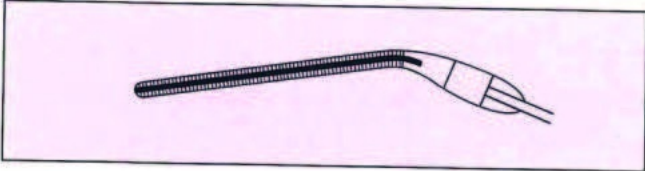
TIP (Scale 1/1)	SHAPE	REFERENCE
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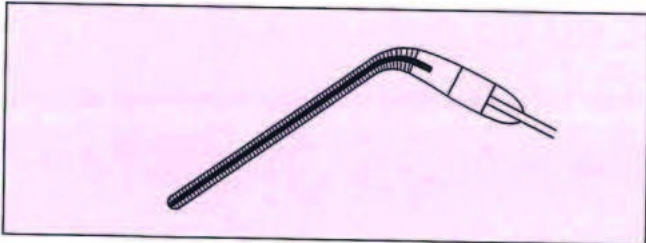
**Cooley**  
clamping forceps - medium jaws **61984-01**  
16,5 cm - 6.1/2"



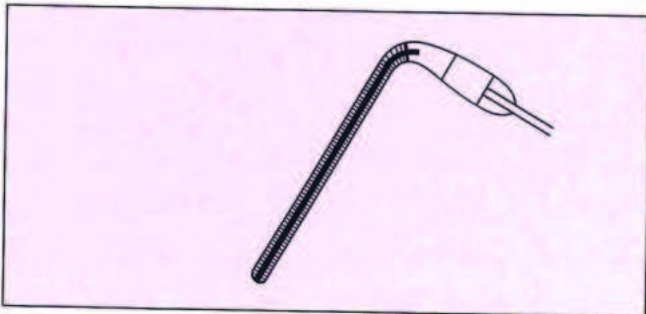
**Cooley**  
clamping forceps - large jaws **61984-02**  
17 cm - 6.3/4"



**Cooley**  
clamping forceps - angle : 30° **61984-03**  
17 cm - 6.3/4"



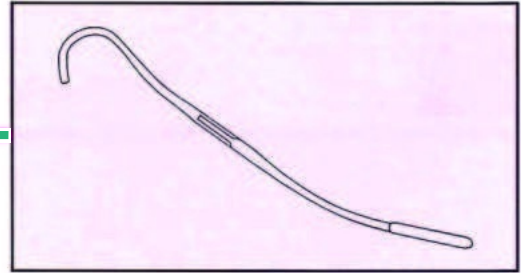
**Cooley**  
clamping forceps - angle : 60° **61984-04**  
16 cm - 6.3/8"



**Cooley**  
clamping forceps - angle : 90° **61984-05**  
15 cm - 6"

7

**Titanium  
Pediatric Instruments.**

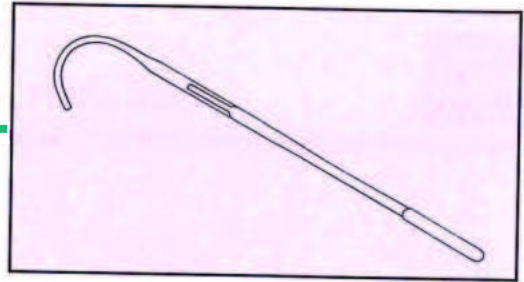


TIP (Scale 1/1)	SHAPE	REFERENCE
	<p><b>Derra</b> clamping forceps for anastomosis</p>	<p><b>61985-01</b> 16,5 cm - 6.1/2"</p>
	<p><b>Derra</b> clamping forceps for anastomosis</p>	<p><b>61985-02</b> 17 cm - 6.3/4"</p>
	<p><b>Derra</b> clamping forceps for anastomosis</p>	<p><b>61985-03</b> 18 cm - 7.1/8"</p>
	<p><b>Beck</b> aorta clamping forceps (straight shafts)</p>	<p><b>61985-04</b> 16,5 cm - 6.1/2"</p>
	<p><b>Subramanian</b> aorta clamping forceps</p>	<p><b>61985-05</b> 16 cm - 6.1/4"</p>

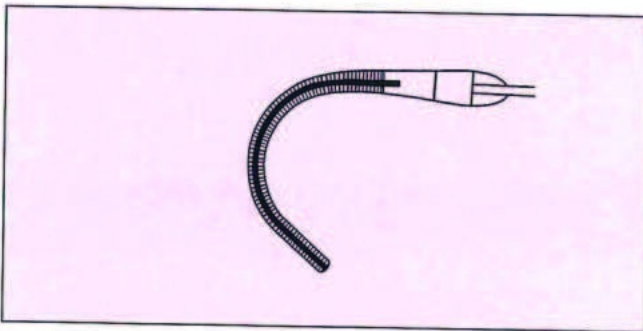


**7**

**Titanium  
Pediatric Instruments.**

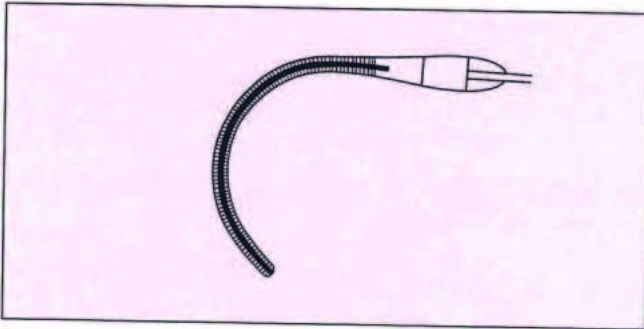


TIP (Scale 1/1)	SHAPE	REFERENCE
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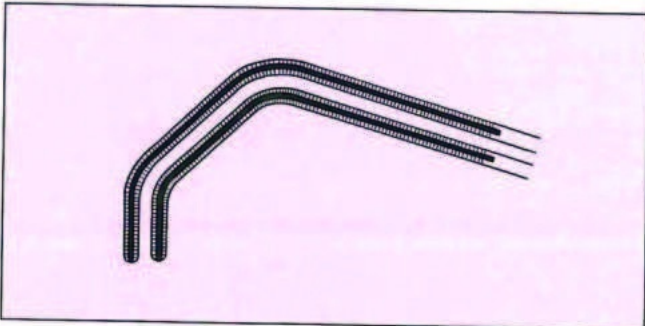
**Beck**  
small jaws

**61986-01**  
15 cm - 6"



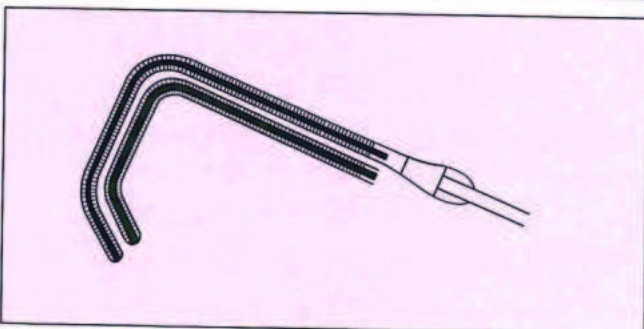
**Beck**  
large jaws

**61986-02**  
15 cm - 6"



**Cooley**  
60° angled small jaws

**61986-03**  
17 cm - 6.3/4"



**Cooley**  
90° angled small jaws

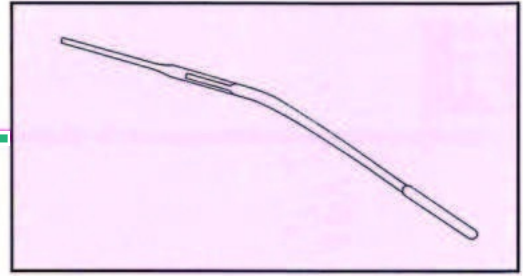
**61986-05**  
17 cm - 6.3/4"

**Cooley**  
90° angled small jaws

**61986-06**  
17,5 cm - 7"

**7**

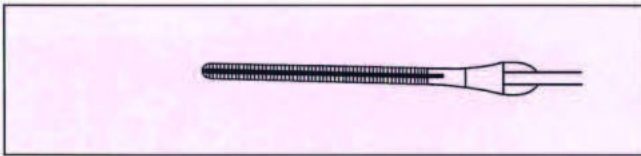
**Titanium  
Pediatric Instruments.**



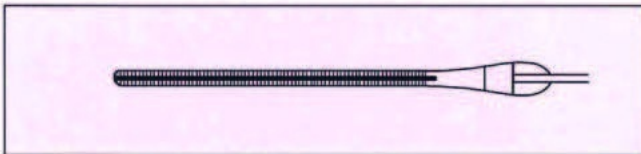
*TIP (Scale 1/1)*

*SHAPE*

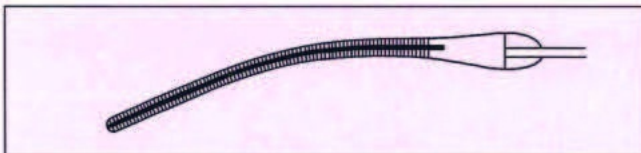
*REFERENCE*



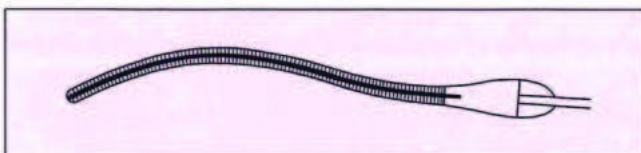
**Cooley**  
straight shafts - straight jaws  
**61987-01**  
16 cm - 6.1/4"



**Cooley**  
angular shafts - straight jaws  
**61987-02**  
16 cm - 6.1/4"



**Cooley**  
straight jaws (for coarctation)  
**61987-03**  
17 cm - 6.3/4"



**Cooley**  
angled shafts (for coarctation)  
**61987-04**  
17 cm - 6.3/4"



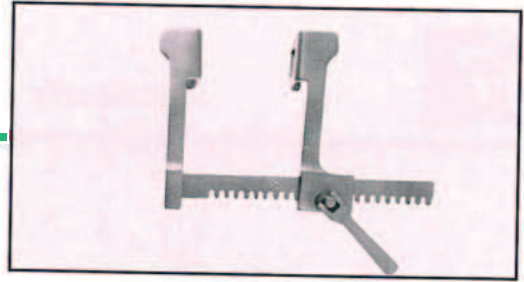
**Cooley**  
curved jaws (for coarctation)  
**61987-05**  
17 cm - 6.3/4"



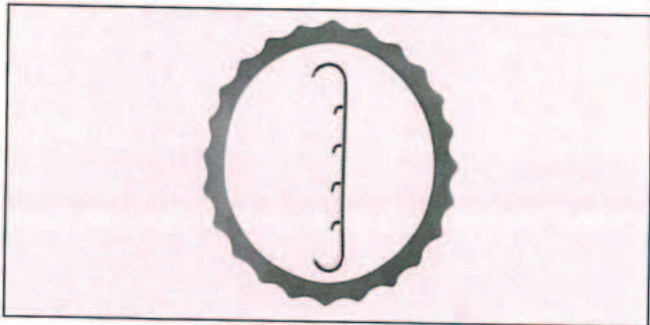
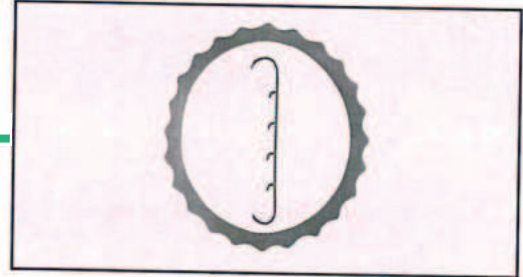
**Cooley**  
spoon-shaped jaws (for coarctation)  
**61987-06**  
17cm - 6.3/4"

8

Titanium Retractors.

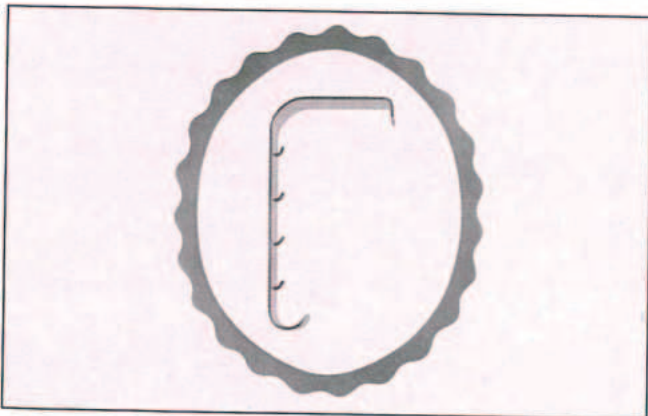


TIP (Scale 1/1)	SHAPE	REFERENCE
	<p><b>Sternal spreader</b> 2 pairs of blades (52 mm)</p>	<p><b>19955-00</b></p>
	<p><b>Finochietto</b> 2 pairs of blades (52 mm)</p>	<p><b>19957-00</b></p>



**Denis Browne**  
4 blades

**19960-00**  
15 cm - 6"



**Denis Browne**  
4 blades

**19961-00**  
20 cm - 8"

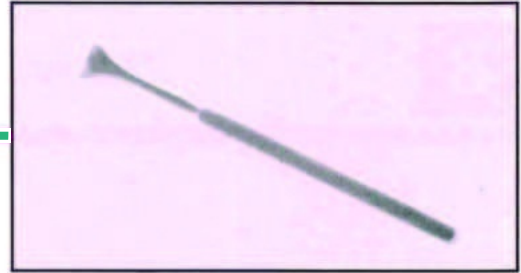
**Denis Browne**  
2 x 2 blades

**19962-00**  
25 cm - 10"



**8**

**Titanium Retractors.**



TIP (Scale 1/1)	SHAPE	REFERENCE
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**Desmarres**  
12 mm

**19970-01**  
14 cm - 5.1/2"



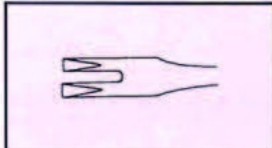
**Desmarres**  
14 mm

**19970-02**  
14 cm - 5.1/2"



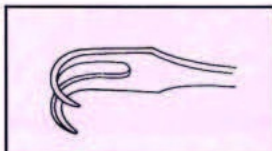
**Desmarres**  
16 mm

**19970-03**  
14 cm - 5.1/2"



**Delicate Retractor**

**19971-01**  
16 cm - 6.1/4"



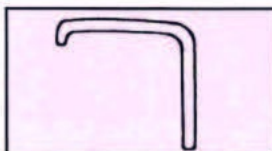
**Joseph**

**19972-01**  
16,5 cm - 6.1/2"



**Strandell**

**19973-01**  
18,5 cm - 7.3/8"

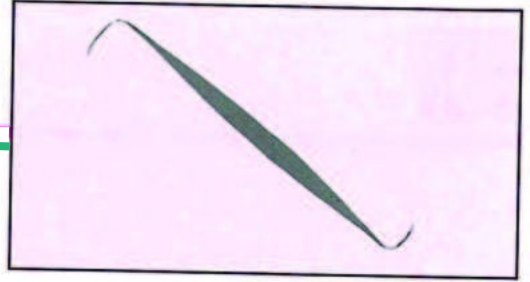


**Strandell**

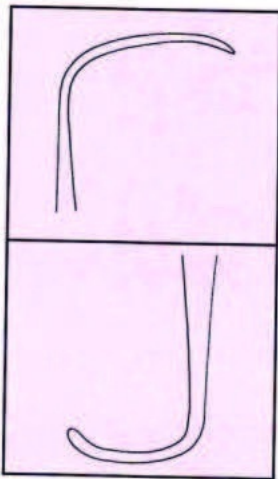
**19973-02**  
18,5 cm - 7.3/8"

8

**Titanium Retractors.**

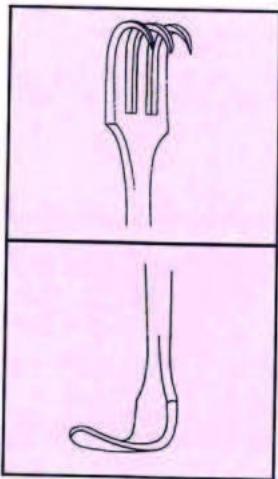


TIP (Scale 1/1)	SHAPE	REFERENCE
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**Ragnell**

**19975-01**  
14,5 cm - 5.3/4"



**Senn**

**19976-01**  
15 cm - 6"

## Alphabetical Index.

Adson, Tissue forceps	6	Glover, Vascular clamps	19, 20, 22, 29
Adson-Brown, Tissue forceps	6	Guilmet, Tissue forceps	6
Barraya, Tissue forceps	6	Halsey, Needle holders	15
Beck, Aorta clamping forceps (pediatric)	36	Halstead, Haemostatic forceps	7
Beck, Clamping forceps (pediatric)	38	Halstead-Baby, Haemostatic forceps	7
Bengolea, Haemostatic forceps	7	Hartmann, Haemostatic forceps	7
Castaneda,		Heiss, Clamping forceps	9
Pediatric clamping forceps	32, 33, 34	Hufnagel, Vascular clamp	26
Cooley, Clamps for iliac artery	22	Intracardiac, Needle holders	16
Cooley, Pediatric clamping forceps	35, 38, 39	Joseph, Retractor	41
Crafoord, Clamping forceps	10	Kay, Vascular clamp	21
Crafoord, Vascular clamp	23	Lambert-Kay, Vascular clamp	21
Crile, Haemostatic forceps	8	Lees, Bronchus Clamps	20, 22
Cushing, Tissue forceps	5, 6	Leland-Jones, Vascular clamps	25
De Bakey, Bulldog clamps	17	Leriche, Haemostatic forceps	8
De Bakey, Needle holders	16	Mayo-Hegar, Needle holders	15
De Bakey, Occlusion clamps	28	Mc Indoe, Tissue forceps	6
De Bakey, Pediatric clamping forceps	31	Micro tying forceps	5, 6
De Bakey, Tissue forceps	5	Microvascular, Needle holders	16
De Bakey,		O'Shaughnessy, Clamping forceps	9, 10
Vascular clamps	19, 22, 23, 24, 26, 27, 29	Potts, Scissors	4
Delicate retractor	41	Ragnell, Retractor	42
Denis Browne, Retractors	40	Ryder, Needle holders	15
Derf, Needle holders	15	Satinsky, Vascular clamps	29
Derra, Pediatric clamping forceps	36	Senn, Retractor	42
Desmarres, Retractors	41	Sternal spreader (pediatric)	31, 40
Doyen, Clamping forceps	10	Strandell, Retractors	41
Finochietto, Titanium retractor	40	Subramanian, Aorta clamping forceps (pediatric)	36
Gerald, Tissue forceps	6	Swan, Atrial clamp	18
Gillies, Tissue forceps	6		
Glover, Coarctation clamps	18		



## Numerical Index.

10950-01	1	10962-02	3
10950-02	1	10962-03	3
10950-03	1	10962-04	3
10950-04	1	10962-05	3
10950-05	1	10962-06	3
10950-06	1	10970-01	4
10950-07	1	10970-02	4
10950-08	1	10970-03	4
10950-09	1	10970-04	4
10950-10	1	10970-05	4
10950-11	1	11950-01	5
10950-12	1	11950-02	6
10951-01	1	11952-01	6
10951-02	1	11952-02	6
10951-03	1	11952-03	6
10951-04	1	11952-04	6
10951-05	1	11952-05	6
10951-06	2	11955-01	6
10952-01	2	11955-02	6
10952-02	2	11957-01	6
10952-03	2	11959-01	6
10952-04	2	11962-01	6
10952-05	2	11964-01	6
10952-06	2	12950-01	5
10960-01	2	12950-02	5
10960-02	2	12950-03	5
10960-03	2	12952-01	5
10960-04	2	12952-02	5
10960-05	2	12952-03	5
10960-06	2	12954-01	5
10960-07	3	12954-02	5
10960-08	3	12954-03	5
10960-09	3	12957-01	5
10960-10	3	12957-02	5
10960-11	3	12957-03	5
10960-12	3	12960-01	5
10961-01	3	12960-02	5
10961-02	3	12961-01	5
10961-03	3	12961-02	5
10961-04	3	12962-01	5
10961-05	3	12962-02	5
10961-06	3	12966-01	6
10962-01	3	12966-02	6

## Numerical Index.

---

12966-03	6	13970-06	17
12966-04	6	13970-07	17
12966-05	6	13970-08	17
12966-06	6	13970-09	17
13950-01	7	13970-10	17
13950-02	7	19950-00	31
13952-01	7	19955-00	40
13952-02	7	19957-00	40
13952-03	7	19960-00	40
13952-04	7	19961-00	40
13953-01	7	19962-00	40
13953-02	7	19970-01	41
13956-01	8	19970-02	41
13956-02	8	19970-03	41
13956-03	8	19971-01	41
13956-04	8	19972-01	41
13958-01	8	19973-01	41
13958-02	8	19973-02	41
13958-03	8	19975-01	42
13958-04	8	19976-01	42
13958-05	8	25950-01	11
13958-06	8	25950-02	11
13958-07	8	25950-03	11
13958-08	8	25950-04	11
13960-01	7	25951-01	11
13960-02	7	25951-02	11
13960-03	7	25951-03	11
13960-04	7	25951-04	11
13962-01	9	25952-01	11
13962-02	9	25952-02	11
13962-03	9	25952-03	11
13962-04	9	25952-04	11
13962-05	10	25953-01	11
13962-06	10	25953-02	11
13964-01	9	25953-03	11
13966-01	10	25953-04	11
13968-01	10	25954-01	12
13968-02	10	25955-01	12
13970-01	17	25956-01	12
13970-02	17	25956-02	12
13970-03	17	25957-01	12
13970-04	17	25957-02	12
13970-05	17	25958-01	12

## Numerical Index.

25958-02			
25960-01	12	25977-05	16
25960-02	13	25977-06	16
25960-03	13	25977-07	16
25960-04	13	25977-08	16
25961-01	13	25977-09	16
25961-02	13	25980-01	16
25961-03	13	25980-02	16
25961-04	13	25980-03	16
25962-01	13	25980-04	16
25962-02	13	25981-00	16
25962-03	13	25981-01	16
25962-04	13	25981-02	16
25963-01	13	25981-03	16
25963-02	13	25981-04	16
25963-03	13	61950-01	18
25963-04	13	61950-02	18
25964-01	13	61950-03	18
25964-02	14	61950-04	18
25966-01	14	61950-05	18
25966-02	14	61950-06	18
25967-01	14	61950-07	18
25967-02	14	61950-08	18
25968-01	14	61952-01	18
25968-02	14	61953-01	19
25970-01	14	61953-02	19
25970-02	15	61955-01	19
25970-03	15	61955-02	19
25970-04	15	61955-03	19
25972-01	15	61957-01	20
25972-02	15	61957-02	20
25973-01	15	61957-03	20
25973-02	15	61958-01	21
25975-01	15	61958-02	21
25975-02	15	61960-01	22
25975-03	15	61960-02	22
25975-04	15	61960-03	22
25975-05	15	61960-04	22
25975-06	15	61960-05	22
25977-01	15	61962-01	23
25977-02	16	61962-02	23
25977-03	16	61962-03	23
25977-04	16	61962-04	23
	16	61963-01	24



## Numerical Index.

61963-02	24	61982-01	34
61963-03	24	61982-02	34
61964-01	25	61982-03	34
61964-02	25	61982-04	34
61964-03	25	61982-05	34
61965-01	26	61983-01	35
61965-02	26	61983-02	35
61966-01	26	61983-03	35
61967-01	27	61983-04	35
61967-02	27	61983-05	35
61967-03	27	61984-01	36
61967-04	27	61984-02	36
61977-01	28	61984-03	36
61977-02	28	61984-04	36
61977-03	28	61984-05	36
61977-04	28	61985-01	37
61977-05	28	61985-02	37
61978-01	29	61985-03	37
61978-02	29	61985-04	37
61978-03	29	61985-05	37
61978-04	29	61986-01	38
61978-05	29	61986-02	38
61979-01	30	61986-03	38
61979-02	30	61986-04	38
61979-03	30	61986-05	38
61980-01	31	61986-06	38
61980-02	31	61987-01	39
61980-03	32	61987-02	39
61980-04	32	61987-03	39
61980-05	32	61987-04	39
61981-01	33	61987-05	39
61981-02	33	61987-06	39
61981-03	33		
61981-04	33		
61981-05	33		



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