CARDIAC & VASCULAR INSTRUMENTS

JJ International Instruments
Designers & Manufacturers of Surgical Instruments
ABOUT US
JJ International Instruments - A leader in designing and manufacturing of high quality stainless steel surgical instruments in India. With a vast experience of 46 years in the industry, JJ provides unmatched service and unbeaten quality to the worldwide market. Corporate office and manufacturing unit with state of art facilities is located in south Indian state, Kerala - The renowned 'God's Own Country'.

CONTINUES SUCCESS...
JJ became world-wide since exhibited in AAOS 2013 with tremendous response from both domestic and international surgeons. JJ now participates many tradeshows in USA and more than 30 tradeshows all over India yearly. JJ is the only one company now in India who has approved by US FDA.

“International Quality @ Indian Price”

CE Reg No. DCS/943962
ISO Reg No. QACS-A-0623
US FDA Reg No. 3010077069


Features and Benefits
- Genuine 'JJ' Brand
- Custom made instruments
- Made out of German Stainless Steel- SS410 & SS 420
- Follows International Passivation standard – ASTM 967
- International hardness of product – 45 HRC & 50 HRC
- Universal Specifications & Quality
- 5 years replacement warranty against manufacturing defect
- Absolute Competitive price
- JJ welcomes innovative ideas and designs
- Gift packs on attractive terms

JJ's repairing & refurbishing program:
- Repairing & refurbishing of surgical instruments of any brand
- Reduce purchase budget drastically
- Annual Maintenance Contract (AMC)
- Round the clock service center
- Replace damaged instrument with new until rectification

JJ's Mobile Trade Expo
- Introducing mobile sales and service all over India
- Specially designed instruments on display
- Easy to select, exchange and experience
- Get technical advice from the experts
- Contact us for mobile trade expo schedules

www.myjmonline.com
sales@myjmonline.com, myjmonline@yahoo.com

INDIA
Corporate Off. & Factory:
Kinnara Park, P.O.,
Thrisur Dist., Kerala
India - 680 399
+91 480 2739999

UAE
Sales Office:
Suite E 744-39
Hamriyah Free Zone
Sharjah, UAE
+971 56 7571350

OMAN
Service & Sales Office:
Suite 122, Bldg 579
Muscat Industrial Area
Muscat, Oman
+968 9996 3791

USA
Sales Office:
1010 Centre Drive,
Suite 201, Cary,
North Carolina 27513
+1 919 467 5278
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**MICRO NEEDLE HOLDERS**

**Castroviejo Micro Needle Holder**
- Flat Handled
- Tungsten Carbide Jaws
- Straight 1.2mm Jaws

<table>
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<tr>
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<th>Serrated Jaws</th>
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**Castroviejo Micro Needle Holder**
- Flat Handled
- Diamond Dusted Jaws
- Straight 1.2mm Jaws

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**Titanium Castroviejo Micro Needle Holder**
- Flat Handled
- Diamond Dusted Jaws
- Straight 1.2mm Jaws

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<td>24cm/9 1/2”</td>
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MICRO NEEDLE HOLDERS

Reill Micro Needle Holder
- Round Bodied
- Diamond Dusted Jaws
- Delicate 1mm Jaws

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Jacobson Micro Needle Holder
- Round Bodied
- Diamond Dusted Jaws
- Straight Delicate 1mm Jaws

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Titanium Jacobson Micro Needle Holder
- Round Bodied
- Diamond Dusted Jaws
- Straight

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**MICRO NEEDLE HOLDERS**

*Jacobson Micro Needle Holder*
- Round Bodied
- Tungsten Carbide Jaws
- 1.2mm Jaws

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*Jacobson ‘Heavy Style’ Needle Holder*
- Round Bodied
- Diamond Dusted Jaws
- For Larger Needles - 3/0 size
- Straight Jaws

<table>
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<tr>
<th>With Lock</th>
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*Titanium Jacobson ‘Heavy Style’ Needle Holder*
- Round Bodied
- Diamond Dusted Jaws
- For Larger Needles - 3/0 size
- Straight Jaws

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<tr>
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MICRO NEEDLE HOLDERS

Barraquer Micro Needle Holder
- Round Bodied
- 0.4mm Jaws

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Castroviejo Micro Needle Holder
- Flat Handled
- 0.4mm Jaws

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Double Action Micro Needle Holder
- Round Bodied
- 0.4mm Jaws

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**Yasargil Bayonet Micro Needle Holder**
- Flat Handled
- Delicate 1mm Jaws

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**Bayonet Micro Needle Holder**
- Round Bodied
- Delicate 1mm Jaws

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<td>MV1110-23</td>
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RING HANDLED NEEDLE HOLDERS

Derf Needle Holder
12cm/4 1/4” TC

Halsey Needle Holder
13cm/5” TC

Nieverts Needle Holder (offset ring)
13cm/5” TC
RING HANDLED NEEDLE HOLDERS

Mayo Hegar Needle Holder
- Tungsten Carbide Inserts
- Heavy Jaws

![Mayo Hegar Needle Holder Image]

Crile Wood Needle Holder
- Tungsten Carbide Inserts
- Fine Jaws

![Crile Wood Needle Holder Image]
RING HANDLED NEEDLE HOLDERS

DeBakey Needle Holder
- Tungsten Carbide Inserts
- Fine Jaws

Micro Vascular Needle Holder
- Tungsten Carbide Inserts
- Slim Delicate Pattern
RING HANDLED NEEDLE HOLDERS

Micro Ryder Needle Holder
- Tungsten Carbide Inserts

French Eye (Ryder) Needle Holder
- Tungsten Carbide Inserts
RING HANDLED NEEDLE HOLDERS

Fine Touch Needle Holder
- Diamond Dusted Jaws
- Delicate 1mm Jaws
- For 5/0 Sutures or smaller

![Fine Touch Needle Holder Image]

16cm/6 ¼” MV1018-16
18cm/7” MV1018-18
22cm/8 ⅞” MV1018-22

Stratte Needle Holder
- Tungsten Carbide Inserts
- Curved to side
- 23cm/9” length

![Stratte Needle Holder Image]

⅛
732 DE23 *illustrated
733 DE23 Stratte reverse

Berry Sternal Needle Holder
- Tungsten Carbide Inserts

![Berry Sternal Needle Holder Image]

⅛
18cm/7” 803DE18
**DeBakey-Diethrich Atraumatic Tissue Forceps**
- Fine 1.5mm Atraumatic Jaws

![Image of DeBakey-Diethrich Atraumatic Tissue Forceps]

15cm/6”  
20cm/8”  
24cm/9 1/2”  
CV2015-15  
CV2015-20  
CV2015-24

---

**DeBakey Atraumatic Tissue Forceps**

![Image of DeBakey Atraumatic Tissue Forceps]

<table>
<thead>
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<th>1.5mm Tips</th>
<th>2mm Tips</th>
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**Titanium DeBakey Atraumatic Tissue Forceps**

![Image of Titanium DeBakey Atraumatic Tissue Forceps]

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<th>2mm Tips</th>
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</tbody>
</table>
VASCULAR FORCEPS

Gillies Dissecting Forceps
- 15cm/6” length
- Toothed

McIndoes Dissecting Forceps
- 15cm/6” length
- Non-Toothed

Titanium Cushing Dissecting Forceps
- 18cm/7” length
- Serrated 1mm Tips

Adson Bayonet Dissecting Forceps
- 19cm/7 ¼” length
- Flat Handled

HA5160-15

CV2001-18T

CV2003-19 Serrated tip

CV2004-19 Toothed
VASCULAR FORCEPS

Gerald-DeBakey Forceps
- Flat Handled
- 1.2mm DeBakey Tips

Titanium Gerald-DeBakey Forceps
- Flat Handled
- 1.2mm DeBakey Tips

Gerald Tissue Forceps
- Flat Handled
- Tungsten Carbide Tips
- 1.2mm Tips

Gerald Plain Forceps
- Flat Handled
- Diamond Dusted Tips
- 1mm Tips
Gerald Platform Forceps
- FlatHandled
- Tying platform 6 x 1mm
- Diamond Dusted Tips

17.5cm/6 1/4”
21cm/8” 1/4
CV2113-17
CV2113-21

Titanium Gerald Platform Forceps
- FlatHandled
- Tying platform 6 x 1mm
- Diamond Dusted Tips

17.5cm/6 1/4”
21cm/8” 1/4
CV2113-17T
CV2113-21T

Gerald Micro Ring Tip Forceps
- FlatHandled
- 1mm Diamond Dusted Rings

17.5cm/6 1/4”
21cm/8” 1/4
CV2112-17
CV2112-21

Titanium Gerald Micro Ring Tip Forceps
- FlatHandled
- 1mm Diamond Dusted Rings

17.5cm/6 1/4”
21cm/8” 1/4
CV2112-17T
CV2112-21T
ROUND BODIED MICRO FORCEPS

Micro Platform Forceps
- Diamond Dusted Tips

18cm/7"  
21cm/8"1/4

MV2201-18  
MV2201-21

Titanium Micro Platform Forceps
- Diamond Dusted Tips

18cm/7"  
21cm/8"1/4

MV2201-18T  
MV2201-21T

Micro Platform Forceps with Counter Balance
- Diamond Dusted Tips

18cm/7"  
21cm/8"1/4

MV2203-18  
MV2203-21

Titanium Micro Platform Forceps with Counter Balance
- Diamond Dusted Tips

18cm/7"  
21cm/8"1/4

MV2203-18T  
MV2203-21T
ROUND BODIED MICRO FORCEPS

Micro Ring Tip Forceps
- Diamond Dusted 1mm Ring

18cm/7" 21cm/8" 1/4"
CV2205-18  CV2205-21

Titanium Micro Ring Tip Forceps
- Diamond Dusted 1mm Ring

18cm/7" 21cm/8" 1/4"
CV2205-18T  CV2205-21T

Micro Ring Tip Forceps with Counter Balance
- Diamond Dusted 1mm Ring

18cm/7" 21cm/8" 1/4"
CV2206-18  CV2206-21

Titanium Micro Ring Tip Forceps with Counter Balance
- Diamond Dusted 1mm Ring

18cm/7" 21cm/8" 1/4"
CV2206-18T  CV2206-21T
DeBakey Micro Forceps
- Round Bodied
- 1mm DeBakey Tips

Titanium DeBakey Micro Forceps
- Round Bodied
- 1mm DeBakey Tips

DeBakey Micro Forceps
- Round Bodied
- 1mm DeBakey Tips
- With Counterbalance

18cm/7”
21cm/8” ¼
CV2207-18
CV2207-21
CV2207-18T
CV2207-21T

18cm/7”
21cm/8” ¼
CV2208-18
CV2208-21
MICRO BAYONET FORCEPS

Bayonet Micro Forceps
- Round Bodied
- Blunt 1mm Tips

21cm/8 1/4”  
23cm/9”  
CV2302-21  
CV2302-23

Yasargil Bayonet Micro Forceps
- Flat Handled
- Blunt 1mm Tips

22.5cm/8 1/4”  
24cm/9 1/2”  
CV2301-22  
CV2301-24

Yasargil Bayonet Tumor Grasping Forceps
- Flat Handled
- 22.5cm/8 1/4” length

Plain Ring
3mm Ø  CV2303-22
5mm Ø  CV2304-22

Serrated Ring
3mm Ø  CV2307-22
5mm Ø  CV2308-22

Toothed Ring
3mm Ø  CV2305-22
5mm Ø  CV2306-22
BIPOLAR FORCEPS

Straight Bipolar Forceps
- 10.5cm/4 1/4" length

Tip Size

<table>
<thead>
<tr>
<th>Tip Size</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.7mm</td>
<td>70 02 38</td>
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<tr>
<td>1mm</td>
<td>70 02 43</td>
</tr>
<tr>
<td>Blunt</td>
<td>70 02 41</td>
</tr>
</tbody>
</table>

Straight Bipolar Forceps
- 16.5cm/6 1/2" length

Tip Size

<table>
<thead>
<tr>
<th>Tip Size</th>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>0.7mm</td>
<td>70 01 52</td>
</tr>
<tr>
<td>1mm</td>
<td>70 01 51</td>
</tr>
</tbody>
</table>

Straight Bipolar Forceps
- 19cm/7 1/2" length

Tip Size

<table>
<thead>
<tr>
<th>Tip Size</th>
<th>Code</th>
</tr>
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<tbody>
<tr>
<td>0.7mm</td>
<td>70 01 72</td>
</tr>
<tr>
<td>1mm</td>
<td>70 01 71</td>
</tr>
</tbody>
</table>
BIPOLAR FORCEPS

Bayonet Bipolar Forceps
- 19cm/7 1/4" length

Tip Size

<table>
<thead>
<tr>
<th>Tip Size</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.7mm</td>
<td>70 01 83</td>
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<tr>
<td>1mm</td>
<td>70 01 81</td>
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<tr>
<td>2mm</td>
<td>70 01 82</td>
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</table>

Bayonet Bipolar Forceps
- 22.5cm/8 3/4" length

Tip Size

<table>
<thead>
<tr>
<th>Tip Size</th>
<th>Code</th>
</tr>
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<tbody>
<tr>
<td>0.3mm</td>
<td>70 01 90</td>
</tr>
<tr>
<td>0.7mm</td>
<td>70 01 91</td>
</tr>
<tr>
<td>1.2mm</td>
<td>70 01 92</td>
</tr>
</tbody>
</table>

Bayonet Bipolar Forceps
- 24cm/9 1/2" length

Tip Size

<table>
<thead>
<tr>
<th>Tip Size</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.3mm</td>
<td>70 02 90</td>
</tr>
<tr>
<td>0.7mm</td>
<td>70 02 91</td>
</tr>
<tr>
<td>1.2mm</td>
<td>70 02 92</td>
</tr>
</tbody>
</table>

- Fitting Block End Forceps
- Banana Plug Valleylab Machine Fitting
- 4.5 metre length

- Fitting Block End Forceps
- Erbe BM780 Machine Fitting
- 4.5 metre length
Bayonet Bipolar Coagulation Forceps
- 22.5 cm / 8 ⅜" length
- Non-Stick Tips
- Mallis 2 Pin Fitting

Tip Size

<table>
<thead>
<tr>
<th>Tip Size</th>
<th>Fitting AU</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5 mm</td>
<td>10-5402 AU</td>
</tr>
<tr>
<td>0.7 mm</td>
<td>10-5403 AUS/0.7</td>
</tr>
<tr>
<td>1.0 mm</td>
<td>10-5403 AU</td>
</tr>
<tr>
<td>1.3 mm</td>
<td>10-5403 AUS</td>
</tr>
<tr>
<td>1.5 mm</td>
<td>10-5401 AU</td>
</tr>
<tr>
<td>2.0 mm</td>
<td>10-5401 AUS</td>
</tr>
</tbody>
</table>

Bipolar Coagulation Unit
BM780 MK II
- 70 Watts
- Foot Switch Control

36-00-80-01

Foot Switch

36-01-05
While bipolar technique is being used, high frequency current flows between the two ends of the bipolar instrument and focuses only on the small surface of tissue placed between them. There is no dangerous flow of current through the patient’s body. This minimises the risk of burns in areas that are distant from the surface being operated on. Bipolar techniques are safer than monopolar techniques.

**Bipolar Scissors**
- Curved blades
- Metzenbaum Pattern

<table>
<thead>
<tr>
<th>Length</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>18cm/7”</td>
<td>CV3901-18</td>
</tr>
<tr>
<td>21cm/8 ¼”</td>
<td>CV3901-21</td>
</tr>
<tr>
<td>23cm/9”</td>
<td>CV3901-23</td>
</tr>
<tr>
<td>28cm/11”</td>
<td>CV3901-28</td>
</tr>
</tbody>
</table>

**Bipolar Scissors**
- Curved slim blades
- Metzenbaum Pattern

<table>
<thead>
<tr>
<th>Length</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>18cm/7”</td>
<td>CV3902-18</td>
</tr>
<tr>
<td>21cm/8 ¼”</td>
<td>CV3902-21</td>
</tr>
<tr>
<td>23cm/9”</td>
<td>CV3902-23</td>
</tr>
<tr>
<td>28cm/11”</td>
<td>CV3902-28</td>
</tr>
</tbody>
</table>

**Bipolar Cables**
- For use with Bipolar Scissors
- 5 metre cable

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>700-736-005</td>
<td>Valleylab</td>
</tr>
<tr>
<td>700-737-005</td>
<td>Martin</td>
</tr>
<tr>
<td>700-739-005</td>
<td>Banana plugs</td>
</tr>
</tbody>
</table>
Iris Scissors
- 11.5cm/4 1/2” Straight
- Micro Serrated Cutting Edge
  CA7612-11

Iris Scissors
- 11.5cm/4 1/2” Curved
- Micro Serrated Cutting Edge
  CA7613-11

Strabismus Scissors
- 11.5cm/4 1/2” Straight
- Micro Serrated Cutting Edge
  CA7622-11

Strabismus Scissors
- 11.5cm/4 1/2” Curved
- Micro Serrated Cutting Edge
  CA7623-11
SCISSORS

Stevens Tenotomy Scissors
- 11.5cm/4 1/2" Curved
- Micro Serrated Cutting Edge
CA7633-11

Stevens-Stille Pattern Tenotomy Scissors
- 12.5cm/5" Curved
- Micro Serrated Cutting Edge
- Larger Oversized Rings
CA7633-12

Jameson-Werber Scissors
- 13.5cm/5 1/4" Curved
- Micro Serrated Cutting Edge
CA7643-13

Jameson Scissors
- 15cm/6" Curved
- Micro Serrated Cutting Edge
CA7643-15

Jameson Scissors
- 15cm/6" Curved
- Strong pattern
- Micro Serrated Cutting Edge
CA7645-15
SCISSORS

Slim Baby Metzenbaum Easy-Cut Scissors
- 14cm/5 1/2” Curved
- Micro Serrated Cutting Edge

CA7661-14

Slim Metzenbaum Easy-Cut Scissors
- 18cm/7” Curved
- Micro Serrated Cutting Edge

CA7661-18

Baby Metzenbaum Easy-Cut Scissors
- 14cm/5 1/2” Curved
- Micro Serrated Cutting Edge

CA7663-14

McIndoe / Metzenbaum Easy-Cut Scissors
- 18cm/7” Curved
- Micro Serrated Cutting Edge

CA7663-18

Nelson Metzenbaum Easy-Cut Scissors
- 23cm/9” Curved
- Micro Serrated Cutting Edge

CA7663-23
SCISSORS

Mayo Easy-Cut Scissors
- 14cm/5 1/2” Straight
- Micro Serrated Cutting Edge

CA7652-14

Mayo Easy-Cut Scissors
- 14cm/5 1/2” Curved
- Micro Serrated Cutting Edge

CA7653-14

Mayo Easy-Cut Scissors
- 17cm/6 3/4” Straight
- Micro Serrated Cutting Edge

CA7652-17

Mayo Easy-Cut Scissors
- 17cm/6 3/4” Curved
- Micro Serrated Cutting Edge

CA7653-17
DIETHRICH SCISSORS

Diethrich Coronary Scissors - Standard Pattern
- 18cm/7” length
- Needle Fine Tips
- Polished Fine Blades
- 12mm Blade length

25° angled CV3025-18  45° angled CV3045-18  60° angled CV3060-18  90° angled CV3090-18  125° angled CV3012-18

Diethrich Coronary Scissors - Short Fine Blade
- 18cm/7” length
- Needle Fine Tips
- Precise Polished Blades
- 8mm Blade length

25° angled CV3025-18S  45° angled CV3045-18S  60° angled CV3060-18S  90° angled CV3090-18S  125° angled CV3012-18S
Diethrich Coronary Scissors - Extra Long Delicate Blades
- 18cm/7" length
- Needle Fine Tips
- Precise Polished Blades
- 15mm Blade length

Diethrich Coronary Scissors - with Guide Rail
- 18cm/7" length
- 12mm Blade length

Favaloro Coronary Scissors
- 17cm/6 3/4" length
- 12mm Blade length

Diethrich Coronary Scissors - Extra Long Delicate Blades
- 18cm/7" length
- Needle Fine Tips
- Precise Polished Blades
- 15mm Blade length

Diethrich Coronary Scissors - with Guide Rail
- 18cm/7" length
- 12mm Blade length

Favaloro Coronary Scissors
- 17cm/6 3/4" length
- 12mm Blade length
Potts-Smith Vascular Scissors
- 19cm/7 1/2” length
- Blades angled to side

25° angled  
CV7625-19

45° angled  
CV7645-19

60° angled  
CV7660-19

Jacobson Bayonet Micro Scissors
- Flat Handled
- 18cm/7” length

Straight  
CV3009-18

Curved  
CV3010-18

Yasargil Bayonet Micro Scissors
- Flat Handled
- 22.5cm/8 3/4” length

Standard Blade  
CV3005-22

Curved  
CV3006-22

Vannas Blade  
CV3007-22

Curved  
CV3008-22
MICRO CORONARY SCISSORS

Castroviejo Micro Scissors
- Flat Handled
- 9cm/3” length
- 45˚ Angled Blades
- 14mm Blade length

CV3045-90

Castroviejo Micro Scissors
- Round Handled
- 11cm/4 1/2” length
- 45˚ Angled Blades
- 14mm Blade length

CV3145-11

Micro Coronary Scissors - Standard 10mm Blades
- Round Handled - Short length
- 14cm/5 1/2” length
- Blades angled to side

25˚ angled CV3125-14
45˚ angled CV3145-14
60˚ angled CV3160-14
90˚ angled CV3190-14
125˚ angled CV3112-14
MICRO CORONARY SCISSORS

Micro Coronary Scissors - Standard 10mm Blades
- Round Handled
- 18cm/7” length
- Blades angled to side

Micro Coronary Scissors - Short Fine 8mm Blades
- Round Handled
- 18cm/7” length
- Blades angled to side
Micro Coronary Scissors - Standard 10mm Blades
- Flat Handled
- 18cm/7" length
- Blades angled to side

25° angled MV3425-18
45° angled MV3445-18
60° angled MV3460-18
90° angled MV3490-18
125° angled MV3412-18

Micro Coronary Scissors - Short Fine 8mm Blades
- Flat Handled
- 18cm/7" length
- Blades angled to side

25° angled CV3625-18
45° angled CV3645-18
60° angled CV3660-18
90° angled CV3690-18
125° angled CV3612-18
MICRO SCISSORS

Straight Micro Scissors
- Flat Handled
- 15cm/6” length
- Blades 19mm long
  CAS-15
Adventitia Scissors with pointed tips

Curved Micro Scissors
- Flat Handled
- 15cm/6” length
- Blades 19mm long
  CDC-15
Dissecting Scissors with rounded tips

Straight Micro Scissors
- Flat Handled
- 15cm/6” length
- Blades 15mm long
  CAS-15S
Adventitia Scissors with pointed tips

Curved Micro Scissors
- Flat Handled
- 15cm/6” length
- Blades 15mm long
  CDC-15S
Dissecting Scissors with rounded tips

Available with Micro Serrations for nerve cutting - Straight

Available with Micro Serrations for nerve cutting - Curved
MICRO SCISSORS

Straight Micro Scissors
- Round Handled
- 15cm/6” length
- Blades 12mm long

CAS-15 R8
Adventitia Scissors with pointed tips

Curved Micro Scissors
- Round Handled
- 15cm/6” length
- Blades 12mm long

CDC-15 R8
Dissecting Scissors with rounded tips

Straight Micro Scissors
- Round Handled
- 18cm/7” length
- Blades 14mm long

CAS-18 R8
Adventitia Scissors with pointed tips

Curved Micro Scissors
- Round Handled
- 18cm/7” length
- Blades 14mm long

CDC-18 R8
Dissecting Scissors with rounded tips
Titanium Neonates Sternal Spreader
- Including 2 pairs of Interchangeable Blades
- 52mm spread, 40mm arm length

Morse-Favaloro Sternal Spreader
- Double Swivel Blades

<table>
<thead>
<tr>
<th>Code</th>
<th>Arm length</th>
<th>Blade width</th>
<th>Blade depth</th>
<th>Size</th>
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</thead>
<tbody>
<tr>
<td>CV5002-12</td>
<td>55mm</td>
<td>12mm</td>
<td>12mm</td>
<td>Infant</td>
</tr>
<tr>
<td>CV5002-13</td>
<td>70mm</td>
<td>13mm</td>
<td>13mm</td>
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<td>CV5002-14</td>
<td>80mm</td>
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</tr>
<tr>
<td>CV5002-16</td>
<td>110mm</td>
<td>19mm</td>
<td>19mm</td>
<td>Adolescent</td>
</tr>
<tr>
<td>CV5002-19</td>
<td>130mm</td>
<td>19mm</td>
<td>19mm</td>
<td>Adolescent</td>
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<tr>
<td>CV5002-21</td>
<td>145mm</td>
<td>21mm</td>
<td>21mm</td>
<td>Adolescent</td>
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</table>

Waterston Rib Spreader
- Infant size

CV5003-20

<table>
<thead>
<tr>
<th>Arm length</th>
<th>Blade width</th>
<th>Blade depth</th>
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</thead>
<tbody>
<tr>
<td>195mm</td>
<td>40mm</td>
<td>20mm</td>
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**RIB SPREADERS**

Finochietto Rib Spreader

<table>
<thead>
<tr>
<th>Code</th>
<th>Blade width</th>
<th>Blade depth</th>
<th>Spread</th>
</tr>
</thead>
<tbody>
<tr>
<td>CV5004-18</td>
<td>21mm</td>
<td>18mm</td>
<td>85mm</td>
</tr>
<tr>
<td>CV5004-36</td>
<td>45mm</td>
<td>36mm</td>
<td>150mm</td>
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<tr>
<td>CV5004-44</td>
<td>65mm</td>
<td>44mm</td>
<td>225mm</td>
</tr>
<tr>
<td>CV5004-50</td>
<td>60mm</td>
<td>50mm</td>
<td>225mm</td>
</tr>
<tr>
<td>CV5004-65</td>
<td>65mm</td>
<td>65mm</td>
<td>225mm</td>
</tr>
</tbody>
</table>

Sellors Rib Spreader

- **CV5011-00**

Supplied with set of 3 sizes of Blades and Key

- Small Blade: 38mm Depth
- Medium Blade: 45mm Depth
- Large Blade: 65mm Depth

- Max spread 225mm
RIB SPREADERS

Tuffier Rib Spreader

CV5005-50

Blade width  | Blade depth
45mm        | 50mm

Tudor Edwards Modified Tuffier Rib Spreader

- Complete with key

CV5006-35

Blade width  | Blade depth
25mm        | 35mm

Key

Tudor Edwards Rib Spreader

CV5007-00

Supplied with set of 3 sizes of Blades and Key

<table>
<thead>
<tr>
<th>Blade Type</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small Blade</td>
<td>25mm</td>
</tr>
<tr>
<td>Medium Blade</td>
<td>50mm</td>
</tr>
<tr>
<td>Large Blade</td>
<td>75mm</td>
</tr>
</tbody>
</table>

Key

25mm Depth  
Small Blade

50mm Depth  
Medium Blade

75mm Depth  
Large Blade

Key
RIB SPREADERS

Ronald Edwards Rib Spreader
- Curved arms, fenestrated Blades

<table>
<thead>
<tr>
<th>Code</th>
<th>Blade width</th>
<th>Blade depth</th>
<th>Spread</th>
</tr>
</thead>
<tbody>
<tr>
<td>CV5008-50</td>
<td>Medium 30mm</td>
<td>50mm</td>
<td>135mm</td>
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<tr>
<td>CV5008-75</td>
<td>Large 65mm</td>
<td>75mm</td>
<td>205mm</td>
</tr>
</tbody>
</table>

Papworth Rib Spreader
- 225mm spread

<table>
<thead>
<tr>
<th>Code</th>
<th>Blade width</th>
<th>Blade depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>CV5009-25</td>
<td>65mm</td>
<td>25mm</td>
</tr>
</tbody>
</table>
RIB SPREADERS

Sellors Rib Approximator and Spreader Combined
- 20cm/8” length

CV5010-00

IMA Rib Retractor
- Complete Set for Internal Mammary Artery Surgery
- Converts left or right side

Complete set includes:
- Frame
- Channelled Blade 100mm
- Claw Blade short 28mm
- Claw Blade long 32mm

CV5014-00

Channeled Blade
- 100mm long x 20mm wide

Claw Blades

<table>
<thead>
<tr>
<th>Lengths</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>28mm</td>
<td>*</td>
</tr>
<tr>
<td>32mm</td>
<td>*</td>
</tr>
<tr>
<td>38mm</td>
<td></td>
</tr>
<tr>
<td>43mm</td>
<td></td>
</tr>
<tr>
<td>50mm</td>
<td></td>
</tr>
</tbody>
</table>

* included in Set
Cooley Cosgrove Mitral Valve Retractor

Consisting of:
- 1x Cooley Rib Spreader Adult Blades 40mm x 110mm with Cosgrove Mounting Bars
- 1x Main Bracket Attachment
- 3x Universal Clamps
- 1x Side Arm Bar
- 1x Tricuspid Retractor Blade
- 1x Large Retractor Blade
- 3x Small Retractor Blades

CV5012-00 Complete Set

Retractor Blade Large CV5012-01

Retractor Blade Small CV5012-02

Universal Clamp MV5012-06

Tricuspid Retractor Blade CV5012-03

Main Bracket Attachment CV5012-05

Side Arm Bar CV5012-04
ABDOMINAL RING RETRACTOR

Abdominal Ring Retractor System

Consisting of:
- 1x Table Post
- 1x Horizontal Bar
- 1x Horizontal Flexible Bar
- 1x Post Coupling
- 1x Medium Oval Ring
- 1x Segmented Oval Ring
- 2x Ratchet Mechanisms
- 6x Tilt Ratchet Mechanisms
- 3x Malleable Retractor Blades
- 4x Kelly Retractor Blades
- 1x Balfour Retractor Blade
- 1x Harrington Retractor Blade

Components:

Table Post

CV5051-00

Horizontal Bar

CV5052-00

Horizontal Flexible Bar

CV5053-00

Post Coupling

CV5054-00

Ratchet Mechanism

CV5057-00

Tilt Ratchet Mechanism

CV5058-00
ABDOMINAL RING RETRACTOR

Medium Oval Ring

MV5055-00

Segmented Oval Ring

MV5056-00

Malleable Retractor Blades

<table>
<thead>
<tr>
<th>Code</th>
<th>Blade Size</th>
<th>width x depth</th>
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</thead>
<tbody>
<tr>
<td>CV5060-01</td>
<td>38mm x 152mm</td>
<td></td>
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<tr>
<td>CV5060-02</td>
<td>51mm x 152mm</td>
<td></td>
</tr>
<tr>
<td>CV5060-03</td>
<td>76mm x 152mm</td>
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</table>

Kelly Retractor Blades

<table>
<thead>
<tr>
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<th>Blade Size</th>
<th>width x depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>CV5061-01</td>
<td>51mm x 76mm</td>
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</tr>
<tr>
<td>CV5061-02</td>
<td>51mm x 102mm</td>
<td></td>
</tr>
<tr>
<td>CV5061-03</td>
<td>51mm x 127mm</td>
<td></td>
</tr>
<tr>
<td>CV5061-04</td>
<td>51mm x 154mm</td>
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</table>

Balfour Retractor Blade

<table>
<thead>
<tr>
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<th>width x depth</th>
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<tbody>
<tr>
<td>CV5062-01</td>
<td>67mm x 76mm</td>
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</table>

Harrington Retractor Blade

<table>
<thead>
<tr>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>CV5063-01</td>
<td>63mm x 143mm</td>
<td></td>
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</tbody>
</table>
RETRACTORS & HOOKS

Jacobson Micro Vessel Probe
- 18.5cm/7 ¼"
- Probe with ball tip

Krayenbühl Nerve and Vessel Hook
- 18.5cm/7 ¼"

Adson Dural Hook
- 19cm/7 ½"
- 2mm tip length
  - Sharp
    CP9103-19
  - Blunt
    CP9104-19

Cushing Blunt Hook
- 19cm/7 ½"
- 3mm tip length

Crile Blunt Hook
- 20cm/8"
- 7mm tip length

Adson Hook
- 20cm/8"
- 5mm tip length
  - Sharp
    CP9101-20
  - Blunt
    CP9102-20

Blalock Blunt Hook
- 24cm/9 ½"
- 5mm tip length

CV9109-18
CV9111-18 CV9112-18 MV9113-18 MV9114-18
CV9101-19
SP9111-20
CP9108-24
RETRACTORS & HOOKS

Gillies Skin Hook
- 18cm/7"

CA5065-01 Small size
CA5065-02 Large size

Klinert-Kutz Skin Hook
- 16cm/6 ¼"

CA5055-01

Ragnell-Davies Retractor
- 14cm/5 ½"

CA5287-14

Mini-Langenbeck Retractor
- 16cm/6 ¼"

CA5242-10 10 x 6mm *Illustrated
CA5242-17 17 x 5mm

Desmarres Saddle Retractor
- 16cm/6 ¼"
- 12mm width

CA5235-12

Senn-Miller Double Ended Catspaw Retractor
- 16cm/6 ¼"

CA5289-01 Sharp prongs
CA5289-02 Blunt prongs

Kilner-Miniature Pattern Catspaw Retractor
- 15cm/6"

CA5286-01
## RETRACTORS

### Langenbeck Retractor

- **21.5cm/8 1/2”**

<table>
<thead>
<tr>
<th>Code</th>
<th>Blade Size</th>
<th>Code</th>
<th>Blade Size</th>
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</thead>
<tbody>
<tr>
<td>CP5122-21</td>
<td>22mm x 6mm</td>
<td>CP5145-21</td>
<td>45mm x 13mm</td>
</tr>
<tr>
<td>CP5165-21</td>
<td>65mm x 25mm</td>
<td>CP5190-21</td>
<td>90mm x 20mm</td>
</tr>
</tbody>
</table>

- **Small**
- **Medium**
- **Large**
- **X-large**

### Morris Retractor

- **25cm/9 3/4”**

<table>
<thead>
<tr>
<th>Code</th>
<th>Blade Size</th>
<th>Code</th>
<th>Blade Size</th>
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<tbody>
<tr>
<td>CP5201-40</td>
<td>50mm x 40mm</td>
<td>CP5201-50</td>
<td>50mm x 50mm</td>
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<tr>
<td>CP5201-65</td>
<td>50mm x 65mm</td>
<td>CP5202-40</td>
<td>70mm x 40mm</td>
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<tr>
<td>CP5202-50</td>
<td>70mm x 50mm</td>
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### Deavers Abdominal Retractor

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>CV5100-25</td>
<td>300mm</td>
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<td>CV5100-30</td>
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<td>25mm</td>
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<tr>
<td>CV5100-38</td>
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<td>CV5100-50</td>
<td>300mm</td>
<td>50mm</td>
</tr>
<tr>
<td>CV5100-75</td>
<td>300mm</td>
<td>75mm</td>
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</table>
RETRACTORS

Tudor Edwards Scapula Retractor
- 20cm/8"
- Toothed blade 50mm x 45mm

Brompton Erector Spinae Retractor
- Hollow handle
- 20cm/8"
- 2 Prong blades

Brock Erector Spinae Retractor
- Hollow handle
- 20cm/8"

Allison Lung Retractor

<table>
<thead>
<tr>
<th>Code</th>
<th>length</th>
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<tbody>
<tr>
<td>CV5202-28</td>
<td>Infant</td>
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<tr>
<td>CV5204-28</td>
<td>Child</td>
</tr>
<tr>
<td>CV5206-30</td>
<td>Adult</td>
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</table>

Ross Aortic Retractor
- 26cm/10 1/2”

<table>
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<tr>
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<tbody>
<tr>
<td>CV5210-10</td>
<td>No.1</td>
</tr>
<tr>
<td>CV5210-20</td>
<td>No.2</td>
</tr>
<tr>
<td>CV5210-30</td>
<td>No.3</td>
</tr>
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</table>

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>MV5210-40</td>
<td>No.4</td>
</tr>
<tr>
<td>MV5210-50</td>
<td>No.5</td>
</tr>
<tr>
<td>MV5210-60</td>
<td>No.6</td>
</tr>
</tbody>
</table>
RETRACTORS

Baby Weitlaner S/R Retractor
- 2 x 3 Blunt Prongs
- 11.5cm/4 1/2"

Wests S/R Retractor
- 3 x 4 Sharp Prongs
- 14cm/5 1/2"

Travers S/R Retractor
- 4 x 5 Blunt Prongs
- 20cm/8"

Norfolk and Norwich S/R Retractor
- 4 x 5 Blunt Prongs
- 20cm/8"
Doyen Periosteal Elevator - Right

- CV7001-15: Child - 15cm length
- CV7002-16: Adult - 16.5cm length

Doyen Periosteal Elevator - Left

- CV7003-15: Child - 15cm length
- CV7004-16: Adult - 16.5cm length

Price Thomas Rib Raspatory

- CV7005-12: 12mm width
- CV7005-20: 20mm width

Semb Rib Raspatory

- No.1 short shaft, notched end for rib edge, 200mm
- No.2 long shaft, notched end for rib edge, 235mm
- No.3 short shaft, straight end, 190mm
- No.4 long shaft, straight end, 250mm
- No.5 short shaft, oval blade, 220mm
- No.6 short shaft, angled oval end for back of first rib, 195mm
- No.7 long shaft, for edge of first rib, 250mm
- No.8 chisel end for disarticulation of costo vertebral joint, 200mm
RIB CUTTERS

Stille-Liston Bone Cutters
- Double Action
- Straight
- 27cm/10 1/4"

Liston-Key-Horsley Bone Cutters
- Double Action
- Angled
- 27cm/10 1/4"

Tudor Edwards/Vehmehren Costotome
- 24cm/9 1/2"
- For Cutting Ribs
WIRE CUTTERS

Muller Claus Wire Cutters
- 16cm/6"
- Tungsten Carbide Edges
- Cuts wire up to 1.6mm Ø

Muller Claus Wire Cutters
- Tungsten Carbide Edges

End Wire Cutters
- 18cm/7" length
- Tungsten Carbide Edges
- Cuts wire up to 1.7mm Ø

Muller Claus Wire Pullers
- 18cm/7" length

2mm Jaws
4mm Jaws
6mm Jaws
DISSECTORS

Titanium Micro Round Dissectors
- 19cm/7 1/2"

1mm Small
CV8101-19
2mm Medium
CV8102-19
3mm Large
CV8103-19

Titanium Micro Elevators
- 19cm/7 1/2"

Curved
CV8104-19
Angled
CV8105-19

Titanium Micro Spatula Dissectors
- 19cm/7 1/2"

1mm Small
CV8106-19
1.7mm Medium
CV8107-19
2mm Large
CV8108-19

Titanium Micro Hooks
- 19cm/7 1/2"

90° Semi-sharp
CV8109-19
90° Blunt
CV8110-19
45° Semi-sharp
CV8111-19
Straight point Needle
CV8112-19

Titanium Micro Curettes
- 19cm/7 1/2"

Small Cup
CV8113-19
Large Cup
CV8114-19
Titanium Micro Ball Dissectors
- 19cm/7 1/2"

Straight
CV8115-19

90° 3mm Tip
CV8116-19

90° 5mm Tip
CV8117-19

40° 4mm Tip
CV8118-19

40° 8mm Tip
CV8119-19

Dissector Sterilising Rack
- To hold 19 Micro Dissectors
MV8100-00

Complete Set
- Including Rack and 19 Micro Dissectors
MV8100-19

MacDonalds Dissector
- 19cm/7 1/2"
CA7105-19

Watson Cheyne Dissector

CA7203-12 12.5cm/5"
CA7203-18 18cm/7"

Freer Dissector
- 19cm/7 1/2"
CA7602-18
“A” or “V” Pattern?
Throughout the series, the V pattern is the all-purpose clamp, commonly used on all veins, and almost all arteries. The A pattern, available in all sizes, is designed for exceptionally thick-walled vessels and slippery arteries. The slight incurve of the tips of the A pattern jaw provides extra security against slippage.

- Light and compact design
- Extremely durable
- A unique gripping surface
- Smooth sliding bar action on all approximator clamps
- Clamp profile with parallel sided jaws
- Matt or black finish

Ordering details

<table>
<thead>
<tr>
<th>SINGLE CLAMPS</th>
<th>DOUBLE APPROXIMATING CLAMPS</th>
<th>DOUBLE CLAMPS WITH FRAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>00396 V 00397 A CLAMP SIZE B - 1 0.4 - 1.0mm</td>
<td>00414 V 00415 A CLAMP SIZE ABB - 11 0.4 - 1.0mm</td>
<td>00408 V 00409 A CLAMP SIZE ABB - 1 0.4 - 1.0mm</td>
</tr>
<tr>
<td>00398 V 00399 A B - 2 0.6 - 1.5mm</td>
<td>00416 V 00417 A ABB - 2 2 0.6 - 1.5mm</td>
<td>00410 V 00411 A ABB - 2 0.6 - 1.5mm</td>
</tr>
<tr>
<td>00400 V 00401 A B - 3 1.0 - 2.25mm</td>
<td>00418 V 00419 A ABB - 3 3 1.0 - 2.25mm</td>
<td>00412 V 00413 A ABB - 3 1.0 - 2.25mm</td>
</tr>
<tr>
<td>00325 HD - S 1.5 - 3.5mm</td>
<td>00326 HD - D 1.5 - 3.5mm</td>
<td>Clamp Box CB - 1</td>
</tr>
<tr>
<td>00286 RD - S 2.0 - 5.0mm</td>
<td>00287 RD - D 2.0 - 5.0mm</td>
<td>Clamp Applicator CAF - 4</td>
</tr>
</tbody>
</table>
DISPOSABLE VESSEL CLAMPS

- Sterile, single use, disposable
- Atraumatic jaws
- Colour coded for better differentiation
- Consistent and reliable closing pressure
- Designed for use on veins and arteries
- Light weight
- Blue, black and purple finish provides excellent contrast in the field
- Radiopaque
- Eliminates cleaning and processing problems
- Economical

<table>
<thead>
<tr>
<th>Single Clamps</th>
<th>Double Clamps</th>
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</thead>
<tbody>
<tr>
<td><strong>P - 1</strong></td>
<td><strong>APP - 11</strong></td>
</tr>
<tr>
<td>0.4 - 1mm</td>
<td>0.4 - 1mm</td>
</tr>
<tr>
<td>Vessels</td>
<td>Vessels</td>
</tr>
<tr>
<td>70005</td>
<td>70006</td>
</tr>
<tr>
<td><strong>P - 2</strong></td>
<td><strong>APP - 22</strong></td>
</tr>
<tr>
<td>0.6 - 1.5mm</td>
<td>0.6 - 1.5mm</td>
</tr>
<tr>
<td>Vessels</td>
<td>Vessels</td>
</tr>
<tr>
<td>70003</td>
<td>70004</td>
</tr>
<tr>
<td><strong>P - 3</strong></td>
<td><strong>APP - 33</strong></td>
</tr>
<tr>
<td>1.0 - 2.5mm</td>
<td>1.0 - 2.5mm</td>
</tr>
<tr>
<td>Vessels</td>
<td>Vessels</td>
</tr>
<tr>
<td>70007</td>
<td>70008</td>
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</tbody>
</table>

VISIBILITY BACKGROUND MATERIAL

TO ASSIST IN VISUALISING MICRO VESSELS DURING SURGERY

Application: For use in Micro Surgical Anastomosis of Micro Vessels under a Microscope to allow the surgeon to better visualize the detail of the vessels, being closed.

The Visibility Material can be used either with the Grid side up to give the Surgeon a scale of the vessel alternatively the reverse Plain side can also be used.

The material has a non-reflective surface eliminating distractions from theatre lighting and has a non-tacky finish to aid mobilization of the Vessel.

1mm Grid one side & matt finish on reverse. Size: 50mm x 25mm

Ordering details:

<table>
<thead>
<tr>
<th>COLOUR</th>
<th>ordering code</th>
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<tbody>
<tr>
<td>Yellow</td>
<td>VB2</td>
</tr>
<tr>
<td>Green</td>
<td>VB3</td>
</tr>
<tr>
<td>Blue</td>
<td>VB4</td>
</tr>
</tbody>
</table>

- X-Ray opaque silicon material
- 1mm Grid for accurate measurement of vessels
- Latex Free material
- Sterile Packed in boxes of 12 pieces
**BULLDOG CLAMPS**

**Diethrich Mini Bulldog Clamps**
- Straight
- Weight 3gr
- Closing pressure 80gr

![Diethrich Mini Bulldog Clamps](image)

<table>
<thead>
<tr>
<th>Overall length</th>
<th>Jaw length</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>50mm</td>
<td>8mm</td>
<td>CV4001-50</td>
</tr>
<tr>
<td>55mm</td>
<td>12mm</td>
<td>CV4001-55</td>
</tr>
<tr>
<td>60mm</td>
<td>16mm</td>
<td>CV4001-60</td>
</tr>
<tr>
<td>65mm</td>
<td>20mm</td>
<td>CV4001-65</td>
</tr>
</tbody>
</table>

**Diethrich Mini Bulldog Clamps**
- Angled
- Weight 3gr
- Closing pressure 80gr

![Diethrich Mini Bulldog Clamps](image)

<table>
<thead>
<tr>
<th>Overall length</th>
<th>Jaw length</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>43mm</td>
<td>8mm</td>
<td>CV4002-43</td>
</tr>
<tr>
<td>45mm</td>
<td>12mm</td>
<td>CV4002-45</td>
</tr>
<tr>
<td>50mm</td>
<td>16mm</td>
<td>CV4002-50</td>
</tr>
<tr>
<td>55mm</td>
<td>20mm</td>
<td>CV4002-55</td>
</tr>
</tbody>
</table>
DeBakey-Diethrich Mini Bulldog Clamps
- Straight
- Weight 3gr
- Closing pressure 180gr

DeBakey-Diethrich Mini Bulldog Clamps
- Angled
- Weight 3gr
- Closing pressure 180gr

<table>
<thead>
<tr>
<th>Code</th>
<th>Overall length</th>
<th>Jaw length</th>
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<tr>
<td>CV4005-47</td>
<td>47mm</td>
<td>10mm</td>
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<tr>
<td>CV4005-51</td>
<td>51mm</td>
<td>14mm</td>
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<tr>
<td>CV4005-57</td>
<td>57mm</td>
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<table>
<thead>
<tr>
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<td>CV4006-44</td>
<td>44mm</td>
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<td>CV4006-46</td>
<td>46mm</td>
<td>14mm</td>
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<td>CV4006-49</td>
<td>49mm</td>
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</table>
### Titanium Mini Glover Bulldog Clamps

**Straight**
- Weight 0.8gr

<table>
<thead>
<tr>
<th>Overall Length</th>
<th>Jaw Length</th>
<th>Vein Low Closing Pressure</th>
<th>Arterial High Closing Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>30mm</td>
<td>11mm</td>
<td>CV4009-30T</td>
<td>CV4010-30T</td>
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<tr>
<td>35mm</td>
<td>15mm</td>
<td>CV4009-35T</td>
<td>CV4010-35T</td>
</tr>
<tr>
<td>40mm</td>
<td>17mm</td>
<td>CV4009-40T</td>
<td>CV4010-40T</td>
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<tr>
<td>50mm</td>
<td>24mm</td>
<td>CV4009-50T</td>
<td>CV4010-50T</td>
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</table>

**Curved**
- Weight 0.8gr

<table>
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<th>Vein Low Closing Pressure</th>
<th>Arterial High Closing Pressure</th>
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</thead>
<tbody>
<tr>
<td>30mm</td>
<td>11mm</td>
<td>CV4011-30T</td>
<td>CV4012-30T</td>
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<tr>
<td>35mm</td>
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<tr>
<td>50mm</td>
<td>24mm</td>
<td>CV4011-50T</td>
<td>CV4012-50T</td>
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</tbody>
</table>

**Strongly Curved**
- Weight 0.8gr

<table>
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<tr>
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<th>Jaw Length</th>
<th>Vein Low Closing Pressure</th>
<th>Arterial High Closing Pressure</th>
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</thead>
<tbody>
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<td>30mm</td>
<td>11mm</td>
<td>CV4013-30T</td>
<td>CV4014-30T</td>
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<tr>
<td>35mm</td>
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<tr>
<td>50mm</td>
<td>24mm</td>
<td>CV4013-50T</td>
<td>CV4014-50T</td>
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</table>
## BULLDOG CLAMPS

### Glover Bulldog Clamps
- Straight
- Closing Pressure adjustable

<table>
<thead>
<tr>
<th>Code</th>
<th>Overall length</th>
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</thead>
<tbody>
<tr>
<td>CV4007-50</td>
<td>50mm</td>
<td>20mm</td>
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<tr>
<td>CV4007-68</td>
<td>68mm</td>
<td>30mm</td>
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<tr>
<td>CV4007-85</td>
<td>85mm</td>
<td>43mm</td>
</tr>
<tr>
<td>CV4007-05</td>
<td>105mm</td>
<td>56mm</td>
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### Glover Bulldog Clamps
- Curved
- Closing Pressure adjustable

<table>
<thead>
<tr>
<th>Code</th>
<th>Overall length</th>
<th>Jaw length</th>
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<tbody>
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<td>CV4008-50</td>
<td>46mm</td>
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</tr>
<tr>
<td>CV4008-68</td>
<td>64mm</td>
<td>30mm</td>
</tr>
<tr>
<td>CV4008-85</td>
<td>78mm</td>
<td>43mm</td>
</tr>
<tr>
<td>CV4008-05</td>
<td>100mm</td>
<td>56mm</td>
</tr>
</tbody>
</table>

### Mini-Glover Bulldog Clamps
- Weight 12g

<table>
<thead>
<tr>
<th>Code</th>
<th>Overall length</th>
<th>Jaw length</th>
</tr>
</thead>
<tbody>
<tr>
<td>CV4015-35</td>
<td>35mm</td>
<td>14mm</td>
</tr>
<tr>
<td>CV4025-35</td>
<td>35mm</td>
<td>14mm</td>
</tr>
<tr>
<td>CV4035-35</td>
<td>35mm</td>
<td>14mm</td>
</tr>
<tr>
<td>CV4045-35</td>
<td>35mm</td>
<td>14mm</td>
</tr>
</tbody>
</table>
BULLDOG CLAMPS

Glover Bulldog Clamps
- Angled
- 55mm length Jaws

DeBakey-Satinsky Bulldog Clamps
- Curved
- 55mm length Jaws

DeBakey Carotid Bulldog Clamps
- Curved
- 90mm length Jaws

DeBakey-Satinsky Bulldog Clamps
- Curved
- 100mm length Jaws
Gregory ‘Soft’ Carotid Bulldog Clamps

- Curved
- Weight 12g

**Modified Gregory ‘Soft’ Bulldog Clamps**

**Overall length**
- 90mm
- 110mm
- 105mm
- 110mm

**Jaw length**
- 27mm
- 44mm
- 55mm
- 60mm

**Code**
- MV4050-90
- MV4051-11
- MV4052-10
- MV4053-11

**Overall length**
- 110mm
- 110mm

**Jaw length**
- 60mm
- 60mm

**Code**
- CV4054-11
- CV4055-11

- Curved to left
- Curved to right
# Bulldog Clamps

**DeBakey Bulldog Clamps**

- **Straight**

<table>
<thead>
<tr>
<th>Code</th>
<th>Overall Length</th>
<th>Jaw Length</th>
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<tbody>
<tr>
<td>CV4003-08</td>
<td>80mm</td>
<td>20mm</td>
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<tr>
<td>CV4003-09</td>
<td>90mm</td>
<td>30mm</td>
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<tr>
<td>CV4003-10</td>
<td>105mm</td>
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</tr>
<tr>
<td>CV4003-12</td>
<td>125mm</td>
<td>68mm</td>
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</tbody>
</table>

**DeBakey Bulldog Clamps**

- **Curved**

<table>
<thead>
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<th>Jaw Length</th>
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</thead>
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<tr>
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<td>CV4004-09</td>
<td>85mm</td>
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<td>95mm</td>
<td>45mm</td>
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<tr>
<td>CV4004-12</td>
<td>115mm</td>
<td>68mm</td>
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</table>
Titanium DeBakey Bulldog Clamps

- **Straight**
  
<table>
<thead>
<tr>
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<th>Jaw length</th>
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</tr>
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<td>CV4003-10T</td>
<td>105mm</td>
<td>45mm</td>
</tr>
<tr>
<td>CV4003-12T</td>
<td>125mm</td>
<td>68mm</td>
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</table>

- **Curved**
  
<table>
<thead>
<tr>
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<th>Jaw length</th>
</tr>
</thead>
<tbody>
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<td>CV4004-08T</td>
<td>75mm</td>
<td>20mm</td>
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<td>CV4004-09T</td>
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<td>45mm</td>
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<tr>
<td>CV4004-12T</td>
<td>115mm</td>
<td>68mm</td>
</tr>
</tbody>
</table>
VASCULAR CLAMPS

Titanium DeBakey Paediatric Clamp
- 10.5cm/4" length
- Straight Jaws/Angled Shanks

CV6010-10T

Titanium DeBakey Paediatric Clamp
- 10.5cm/4" length

CV6011-10T  Jaws angled 30°
CV6012-10T  Jaws angled 45°
CV6013-10T  Jaws angled 60°

Titanium DeBakey Paediatric Clamp
- 10.5cm/4" length
- Jaws 6mm x 10.5mm

CV6014-10T

Titanium DeBakey Paediatric Clamp
- 10.5cm/4" length
- Jaws 6mm x 10.5mm

CV6015-10T

Titanium DeBakey Paediatric Clamp
- 10.5cm/4" length
- Jaws 9mm x 10.5mm

CV6016-10T
DeBakey Castaneda Paediatric Clamp
- Curved shanks
- Suitable for Paediatric and delicate surgery
- 12cm/5" length

CV6301-12  Straight
CV6302-12  Angled 25°
CV6303-12  Angled 45°
CV6304-12  Angled 60°

CV6305-12  Anastomosis
CV6306-12  Anastomosis
CV6307-12  Anastomosis 90°
CV6308-12  * Satinsky

CV6309-12  Light curve
CV6310-12  Spoon shaped
CV6311-12  Strong curve
CV6312-12  Carotid
VASCULAR CLAMPS

DeBakey Ring Handled Bulldog Clamp
- CV6041-12 straight 12.5cm/5”
- CV6042-12 curved 12.5cm/5”
- CV6043-12 angled 45° 12.5cm/5”
- CV6044-12 angled 90° 10cm/4”

DeBakey-Glover Anastomosis Clamp
- Straight shanks
- CV6020-21 21cm/8 1/4”
- CV6021-24 24cm/9 1/4”
- CV6022-21 21cm/8 1/4”
- CV6023-26 26cm/10 1/4”
- CV6024-18 18.5cm/7 1/4”
- CV6025-22 22cm/8 1/4”
VASCULAR CLAMPS

Lambert-Kay Aortic Clamp
- 20cm/8” length

Weber Aortic Clamp
- 26cm/10 1/4” length

*illustrated
VASCULAR CLAMPS

DeBakey Aortic Aneurism Clamp
- Curved Shanks

DeBakey-Bahnson Aortic Aneurism Clamp
- S-Shape Shanks
DeBakey Glover Patent Ductus Clamp
* Straight Shanks

- 20cm/8”
  - CV6039-20
- 22cm/8 ¾”
  - CV6039-22
- 26cm/10 ¼”
  - CV6039-26

DeBakey Glover Patent Ductus Clamp
* Angled Shanks

- 20cm/8”
  - CV6040-20
- 22cm/8 ¾”
  - CV6040-22
- 26cm/10 ¼”
  - CV6040-26
DeBakey Peripheral Clamp

*illustrated

Straight Shanks *
19.5cm/7 ¼"
CV6042-19

Straight Shanks
22cm/8 ¼"
CV6042-22

Angled Shanks *
19.5cm/7 ¼"
CV6044-19

Angled Shanks
22cm/8 ¼"
CV6044-22

DeBakey Peripheral Clamp

* Curved Shanks
* Angled 45°

19cm/7 ½"
CV6045-19

26cm/8 ¼"
CV6045-26
VASCULAR CLAMPS

DeBakey Peripheral Clamp
- S-Shaped

19cm/7½” *
CV6046-19

20cm/8” *
CV6046-20

*Leland-Jones Peripheral Vascular Clamp
- Straight Shanks

19cm/7½” *
CV6048-19

20cm/8” *
CV6049-20

19cm/7½” *
CV6050-19
VASCULAR CLAMPS

DeBakey Multi-Purpose Clamp

- CV6055-16 *
  16cm/6 1/2”
  30° Angled Jaws

- CV6055-15
  15.5cm/6”
  60° Angled Jaws

- CV6055-14
  14.5cm/6 1/2”
  90° Angled Jaws

DeBakey Multi-Purpose Forceps

- Angled 60°
- Curved Shanks

*illustrated

CV6052-20
20cm/8”

CV6052-24 *
24cm/9 1/2”

CV6052-30
30cm/12”

CV6052-25
25cm/10”
**VASCULAR CLAMPS**

DeBakey Multi-Purpose Clamp
- Angled 90°

*Illustrated*

DeBakey-Beck Paediatric Aortic Forceps
- Straight Shanks

---

**DeBakey Multi-Purpose Clamp**

- CV6054-18 18cm/7"
- CV6054-21 21.5cm/8 1/2"
- CV6054-27 27.5cm/10 3/4"
- CV6054-23 23cm/9"

**DeBakey-Beck Paediatric Aortic Forceps**

- CV6057-16 16.5cm/6 1/2" Small
- CV6057-19 19.5cm/7 1/4" Medium
- CV6057-20 20.5cm/8" Large
VASCULAR CLAMPS

DeBakey Tangential Occlusion Clamp
- Curved Shanks

DeBakey ATRUMATA
VASCULAR CLAMPS

DeBakey Anastomosis Clamp

17cm/6 ¾”
MV6068-17

DeBakey-Derra Anastomosis Clamp

- 17cm/6 ¾” length

CV6070-17 Small
CV6071-17 Medium
CV6072-17 Large
DeBakey-Reynolds Anastomosis Clamp
- Angled Shanks

DeBakey Curved Anastomosis Forceps
- 17cm/6 ½" length
- Curved Shanks
VASCULAR CLAMPS

DeBakey-Semb Ligature Carrier
- 25cm/10” length

CV6104-25

DeBakey Ligature Forceps

CV6107-19
CV6108-19

Semb Ligature Forceps

CV6110-23
CV6111-24
VASCULAR CLAMPS

Cooley-Derra Anastomosis Clamp

CV6115-16
small
16.5cm/6 1/2”

CV6116-17
medium
17cm/6 1/4”

CV6117-17
large
17.5cm/7”

Cooley-Beck Vascular Clamp

CV6120-15
15cm/6”

CV6121-15
15cm/6”

Cooley Coarctation Clamp

CV6140-17
17cm/6 1/2”

CV6141-17
17cm/6 1/4”

CV6142-18
18cm/7”
VASCULAR CLAMPS

Javid Carotid Clamp
- Small size
- 15cm/6" length
CV6200-15

For holding the shunt tube during Carotid Surgery

Javid Carotid Clamp
- Large size
- 18cm/7" length
CV6200-18

Dardik Multi-Purpose Clamp

<table>
<thead>
<tr>
<th>Jaw Angle</th>
<th>15cm/6&quot; length</th>
<th>17cm/6 ¼&quot; length</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°</td>
<td>CV6125-00</td>
<td>CV6130-00</td>
</tr>
<tr>
<td>15°</td>
<td>CV6125-15</td>
<td>CV6130-15</td>
</tr>
<tr>
<td>30°</td>
<td>CV6125-30</td>
<td>CV6130-30</td>
</tr>
<tr>
<td>45°</td>
<td>CV6125-45</td>
<td>CV6130-45</td>
</tr>
<tr>
<td>90°</td>
<td>CV6125-90</td>
<td>CV6130-90</td>
</tr>
</tbody>
</table>
**SUCTION TUBES & CANNULA**

### Frazier Suction Tube
- Angled 30°

<table>
<thead>
<tr>
<th>Diameter Ø</th>
<th>Overall Length</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.0mm 6FG</td>
<td>17cm/6 ½”</td>
<td>CP9041-17</td>
</tr>
<tr>
<td>2.3mm 7FG</td>
<td>17cm/6 ½”</td>
<td>CP9042-17</td>
</tr>
<tr>
<td>2.7mm 8FG</td>
<td>17cm/6 ½”</td>
<td>CP9043-17</td>
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<tr>
<td>3.0mm 9FG</td>
<td>17cm/6 ½”</td>
<td>CP9044-17</td>
</tr>
<tr>
<td>3.3mm 10FG</td>
<td>17cm/6 ½”</td>
<td>CP9045-17</td>
</tr>
<tr>
<td>3.7mm 11FG</td>
<td>17cm/6 ½”</td>
<td>CP9046-17</td>
</tr>
<tr>
<td>4.0mm 12FG</td>
<td>17cm/6 ½”</td>
<td>CP9047-17</td>
</tr>
</tbody>
</table>

### American Pattern Suction Tube
- 16.5cm/6 ½” length

CV7402-16

### Brompton Hospital Suction Tube
- 30cm/11 ¼” length

CV7406-30

CV7407-30

Adult size for 9.5mm/⅜” tubing
Child size for 6mm/¼” tubing

### Brompton Hospital Suction Tube
- Paediatric 4.8mm Ø Tip size
- 23cm/9” length
- For 6.5mm/¼” tubing

CV7403-23

### Southampton Western Hospital Suction Tube
- 22cm/8 ½” length
- Paediatric 3.3mm/¼” Ø
- For 6.5mm/¼” tubing

CV7401-22
SUCTION TUBES & CANNULA

**Tibbs Arterial Cannula**
- Long Pattern
- Luer lock

Set of 4: CV7200-10
Large Cone: CV7200-20
Small Cone: CV7200-30
Large Olive: CV7200-40
Small Olive: CV7200-50

**Heparin Flushing Needle**
- Luer lock

2mm Ø Tip: CV7201-20
2.5mm Ø Tip: CV7201-25
3mm Ø Tip: CV7201-30

**Magill Suction Tube**
- 21cm/8 1/4" length

3mm Ø Tip: CV7401-21
3.5mm Ø Tip: CV7402-21
4.0mm Ø Tip: CV7403-21

**Yankauer Suction Tube**
- 30.5cm/12" length

CV7409-30

**Pooles Suction Tube**
- 24cm/9 1/2" length
- 10mm Ø

CV7405-24 Straight mount *illustrated
CV7406-24 Curved mount

**Paediatric Pooles Suction Tube**
- 15cm/6" length
- 6mm Ø

CV7405-15
PERFUSION CANNULA

**Ross Atrial Basket**

<table>
<thead>
<tr>
<th>bore Ø</th>
<th>code</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5mm</td>
<td>CV7210-15</td>
</tr>
<tr>
<td>2.0mm</td>
<td>CV7210-20</td>
</tr>
<tr>
<td>2.5mm</td>
<td>CV7210-25</td>
</tr>
<tr>
<td>3.0mm</td>
<td>CV7210-30</td>
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<td>3.5mm</td>
<td>CV7210-35</td>
</tr>
<tr>
<td>4.0mm</td>
<td>CV7210-40</td>
</tr>
</tbody>
</table>

**Ross Sump Sucker (screw apart)**

<table>
<thead>
<tr>
<th>diameter</th>
<th>tubing size Ø</th>
<th>code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adult</td>
<td>7.5mm</td>
<td>1/8''/5.0mm</td>
</tr>
<tr>
<td>Child</td>
<td>6.5mm</td>
<td>1/8''/5.0mm</td>
</tr>
<tr>
<td>Infant</td>
<td>5.0mm</td>
<td>1/8''/3.5mm</td>
</tr>
</tbody>
</table>

**Ross Ventricular Vent (screw apart)**

<table>
<thead>
<tr>
<th>diameter</th>
<th>tubing size Ø</th>
<th>code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adult</td>
<td>7.5mm</td>
<td>1/8''/5.0mm</td>
</tr>
<tr>
<td>Child</td>
<td>6.5mm</td>
<td>1/8''/5.0mm</td>
</tr>
<tr>
<td>Infant</td>
<td>5.0mm</td>
<td>1/8''/3.5mm</td>
</tr>
</tbody>
</table>

**Baylor Sump Sucker (screw apart)**

<table>
<thead>
<tr>
<th>outside diameter</th>
<th>45˚angled</th>
<th>90˚angled</th>
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</thead>
<tbody>
<tr>
<td>4.0mm</td>
<td>CV7208-40</td>
<td>CV7209-40</td>
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<td>5.0mm</td>
<td>CV7208-50</td>
<td>CV7209-50</td>
</tr>
<tr>
<td>6.0mm</td>
<td>CV7208-60</td>
<td>CV7209-60</td>
</tr>
</tbody>
</table>

**Bentall Femoral Cannula**

- Rolled edge to bevel

<table>
<thead>
<tr>
<th>bore Ø</th>
<th>code</th>
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</thead>
<tbody>
<tr>
<td>1.5mm</td>
<td>CV7210-15</td>
</tr>
<tr>
<td>2.0mm</td>
<td>CV7210-20</td>
</tr>
<tr>
<td>2.5mm</td>
<td>CV7210-25</td>
</tr>
<tr>
<td>3.0mm</td>
<td>CV7210-30</td>
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<tr>
<td>3.5mm</td>
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<td>CV7210-50</td>
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<tr>
<td>5.5mm</td>
<td>CV7210-55</td>
</tr>
<tr>
<td>6.0mm</td>
<td>CV7210-60</td>
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<tr>
<td>6.5mm</td>
<td>CV7210-65</td>
</tr>
<tr>
<td>7.0mm</td>
<td>CV7210-70</td>
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</table>

**Iliac Cannula**

- Angled

<table>
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<tbody>
<tr>
<td>2.5mm</td>
<td>CV7211-25</td>
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<tr>
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<td>CV7211-30</td>
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<tr>
<td>3.5mm</td>
<td>CV7211-35</td>
</tr>
<tr>
<td>4.0mm</td>
<td>CV7211-40</td>
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<tr>
<td>4.5mm</td>
<td>CV7211-45</td>
</tr>
<tr>
<td>5.0mm</td>
<td>CV7211-50</td>
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<td>5.5mm</td>
<td>CV7211-55</td>
</tr>
<tr>
<td>6.0mm</td>
<td>CV7211-60</td>
</tr>
</tbody>
</table>

**JS Venous Cannula**

- Cage tip
- 80˚ angled
- Long tubing end

<table>
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<tbody>
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<td>CV7212-60</td>
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<td>7mm</td>
<td>CV7212-70</td>
</tr>
<tr>
<td>8mm</td>
<td>CV7212-80</td>
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</tbody>
</table>
**ROSS CORONARY ARTERY PROBE**  
- Same thickness along length of shaft

<table>
<thead>
<tr>
<th>Diameter Ø</th>
<th>10cm Length</th>
<th>15cm Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5mm</td>
<td>CV7301-05</td>
<td>CV7302-05</td>
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<tr>
<td>1.0mm</td>
<td>CV7301-10</td>
<td>CV7302-10</td>
</tr>
<tr>
<td>1.5mm</td>
<td>CV7301-15</td>
<td>CV7302-15</td>
</tr>
<tr>
<td>2.0mm</td>
<td>CV7301-20</td>
<td>CV7302-20</td>
</tr>
<tr>
<td>2.5mm</td>
<td>CV7301-25</td>
<td>CV7302-25</td>
</tr>
<tr>
<td>3.0mm</td>
<td>CV7301-30</td>
<td>CV7302-30</td>
</tr>
</tbody>
</table>

**DEBAKEY VESSEL DILATOR**  
- 190mm length  
- Malleable Shaft

<table>
<thead>
<tr>
<th>Diameter Ø</th>
<th>10cm Length</th>
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</thead>
<tbody>
<tr>
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<td>CV7303-05</td>
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<tr>
<td>1.0mm</td>
<td>CV7303-10</td>
</tr>
<tr>
<td>1.5mm</td>
<td>CV7303-15</td>
</tr>
<tr>
<td>2.0mm</td>
<td>CV7303-20</td>
</tr>
<tr>
<td>2.5mm</td>
<td>CV7303-25</td>
</tr>
<tr>
<td>3.0mm</td>
<td>CV7303-30</td>
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</table>

<table>
<thead>
<tr>
<th>Diameter Ø</th>
<th>10cm Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.5mm</td>
<td>CV7303-35</td>
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<tr>
<td>4.0mm</td>
<td>CV7303-40</td>
</tr>
<tr>
<td>4.5mm</td>
<td>CV7303-45</td>
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<tr>
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<td>CV7303-50</td>
</tr>
<tr>
<td>5.5mm</td>
<td>CV7303-55</td>
</tr>
</tbody>
</table>

**GARRETT VESSEL DILATOR**  
- Malleable Shaft

<table>
<thead>
<tr>
<th>Diameter Ø</th>
<th>14cm Length</th>
<th>21cm Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0mm</td>
<td>CV7304-10</td>
<td>CV7305-10</td>
</tr>
<tr>
<td>1.5mm</td>
<td>CV7304-15</td>
<td>CV7305-15</td>
</tr>
<tr>
<td>2.0mm</td>
<td>CV7304-20</td>
<td>CV7305-20</td>
</tr>
<tr>
<td>2.5mm</td>
<td>CV7304-25</td>
<td>CV7305-25</td>
</tr>
<tr>
<td>3.0mm</td>
<td>CV7304-30</td>
<td>CV7305-30</td>
</tr>
<tr>
<td>3.5mm</td>
<td>CV7304-35</td>
<td>CV7305-35</td>
</tr>
<tr>
<td>4.0mm</td>
<td>CV7304-40</td>
<td>CV7305-40</td>
</tr>
<tr>
<td>4.5mm</td>
<td>CV7304-45</td>
<td>CV7305-45</td>
</tr>
<tr>
<td>5.0mm</td>
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<td>CV7305-50</td>
</tr>
<tr>
<td>5.5mm</td>
<td>CV7304-55</td>
<td>CV7305-55</td>
</tr>
</tbody>
</table>
STERILISATION CONTAINERS

SINGLE TRAY CONTAINERS

<table>
<thead>
<tr>
<th>Internal Dimensions</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 x 140 x 50mm</td>
<td>E 4026/1</td>
</tr>
<tr>
<td>280 x 195 x 50mm</td>
<td>E 4026/4</td>
</tr>
<tr>
<td>265 x 255 x 50mm</td>
<td>E 4026/5</td>
</tr>
<tr>
<td>380 x 260 x 50mm</td>
<td>E 4026/7</td>
</tr>
</tbody>
</table>

E 4026/5
Standard Container illustrated
One of our popular cases for Micro Instruments

DOUBLE TRAY CONTAINERS

<table>
<thead>
<tr>
<th>Internal Dimensions</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>280 x 195 x 65mm</td>
<td>E 4026/4 D</td>
</tr>
<tr>
<td>265 x 255 x 65mm</td>
<td>E 4026/5 D</td>
</tr>
<tr>
<td>380 x 260 x 65mm</td>
<td>E 4026/7 D</td>
</tr>
</tbody>
</table>

E 4026/5D
Double Tray Container illustrated
Two take-out perforated plates
MISCELLANEOUS

Rummel Cardiac Stilette
- Suture Hook
- 32.5cm length

Diamond Knife
- Titanium Handle with retractable blade
- 1mm x 6mm blade
- For neuro or cardiac surgery

Stainless Steel Measuring Ruler

<table>
<thead>
<tr>
<th>Code</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>CA5005-15</td>
<td>15cm/6&quot;</td>
</tr>
<tr>
<td>CA5005-30</td>
<td>30cm/12&quot;</td>
</tr>
</tbody>
</table>
International Instruments
Designers & Manufacturers of Surgical Instruments

Corporate Office & Factory
337/N, Amala Antonian Plaza
Kintra Park P.O.,Thrissur (Dt.),
Kerala State, India - 680 309
Tel: +91 480 273 5959 / 5858

USA Office
12916 Edsel Dr.
Raleigh NC 27613
USA
Tel: +1 919 467 5278

Middle East Office
211 Bait Al Ali Building
Al-Khuwair, Muscat
Oman
Tel: +968 99053791

sales@myjjonline.com, myjjonline@yahoo.com

www.myjjonline.com