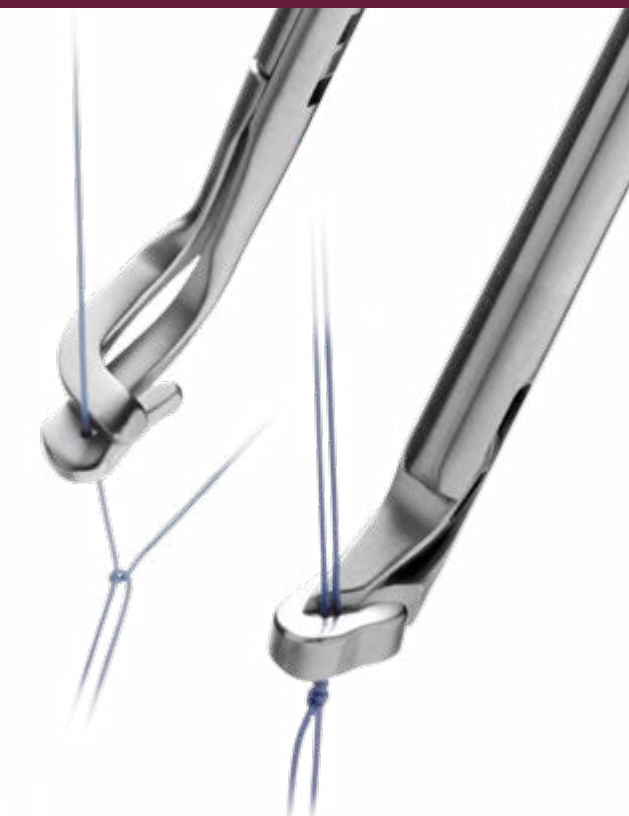




VATS / MIS

THORACOSCOPIC / MINIMALLY INVASIVE



INTERNATIONAL

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Committed To Our Customers...

Dear Customer,

In a continuing effort to minimize patient trauma, surgical procedures are evolving from “open field” to Minimally Invasive within the CV and Thoracic arenas. In recent years, Minimally Invasive Cardiac Surgery (MIS) and Video Assisted Thoracoscopic Surgery (VATS) have been the catalyst for a new generation of specialty surgical instrumentation.

Since 1921, Scanlan International has been dedicated to working hand-in-hand with surgeons to provide the highest quality, innovative surgical instruments – designed specifically to meet the needs of new and evolving surgical techniques.

Scanlan has continued this tradition with the development of the Scanlan® VATS/MIS instrumentation. This exciting collection offers a unique dual pivot point design that enables the instrument to be fully functional when placed through a port or very small thoracic incision – yet provides the familiarity of traditional style handles for secure manipulation and superior tactile response.

If I can ever be of assistance to you, please contact me toll-free within the United States and Canada or collect from anywhere in the world. Thank you for your continued support and demand for the finest.

Sincerely,

Timothy M. Scanlan
President and Chief Executive Officer



Adam Scanlan Brigid Scanlan Eynck Tim Scanlan Russell Scanlan Joseph Scanlan Ron Peick

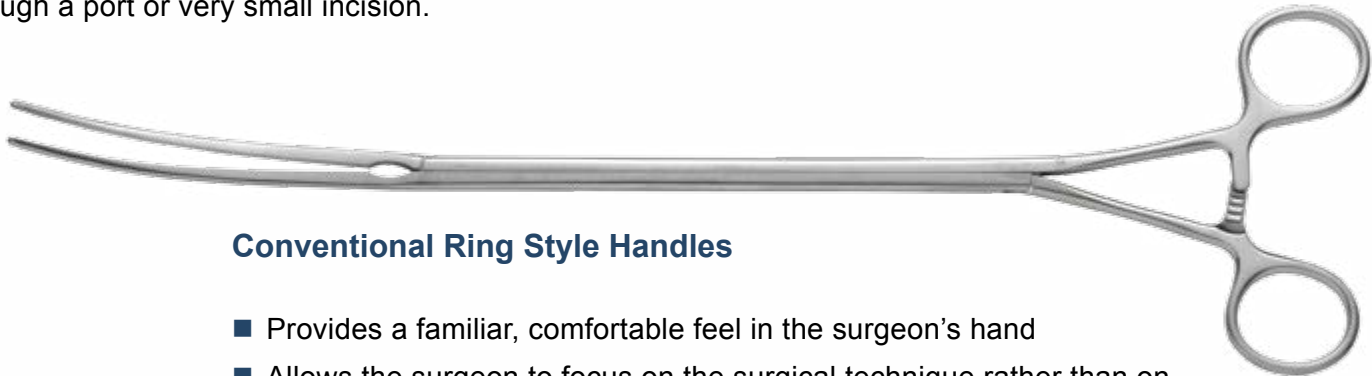
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Key Features of SCANLAN® VATS / MIS Instruments

- **Unique dual pivot point, sliding-shaft design** - enables the instrument to be fully functional when placed through a port or very small incision.



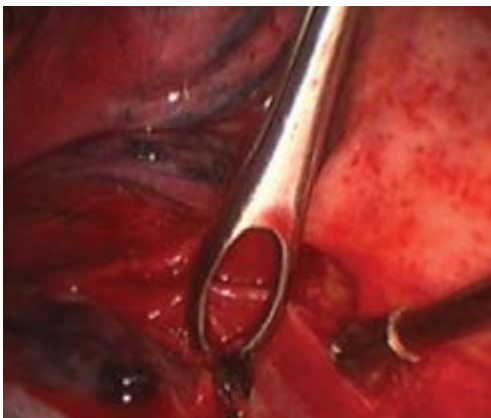
Conventional Ring Style Handles

- Provides a familiar, comfortable feel in the surgeon's hand
- Allows the surgeon to focus on the surgical technique rather than on how to use the instrument



Axial Handles

- Innovative handle design that provides superior balance and feel
 - Perfect for surgeons who prefer thoracoscopic instruments that allow them to "roll the handles between their fingertips".
 - The ergonomic handle design provides a secure grasp that is comfortable and familiar.
- **Individually hand crafted** – Scanlan's skilled artisans create one unique instrument at a time... to ensure tactile feel, balance and performance.
 - **Durability** – Scanlan uses only the highest quality stainless steel to produce long-lasting, corrosion resistant surgical instrumentation.



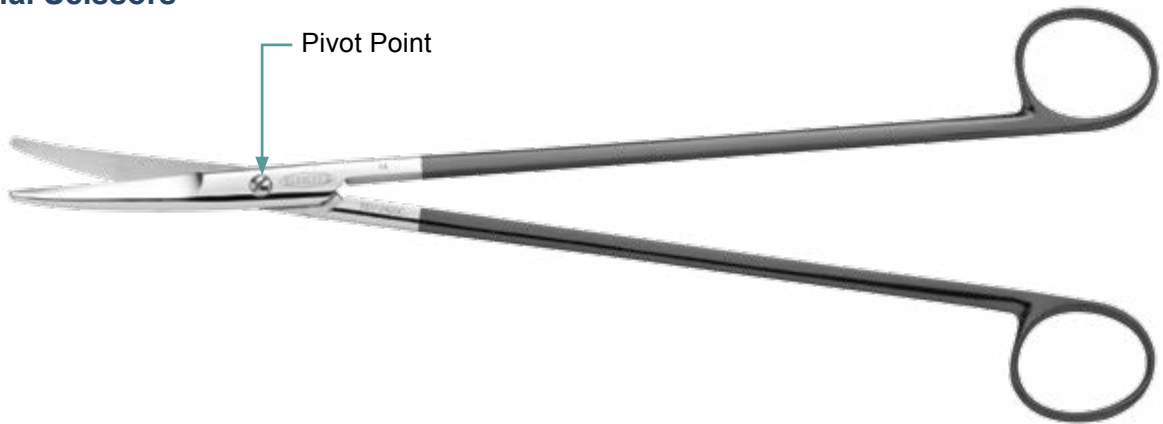
- **Guarantee** – Ten full years against manufacturing and material defects.

SCANLAN® Unique Dual Pivot Point, Sliding-Shaft Design

SINGLE PIVOT POINT

Conventional surgical instruments have a single pivot point (as indicated for the 7007-242SC scissors below). When inserted through a port or very small thoracic incision, the function of a single pivot point instrument significantly reduces the opening of the shanks, which affects the distance the blades / jaws can be opened.

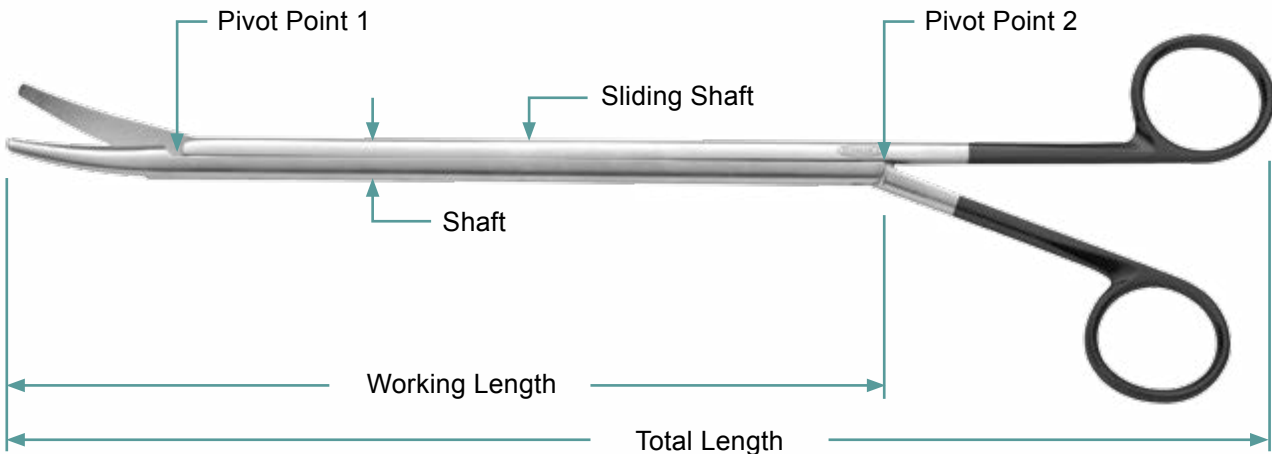
Conventional Scissors
7007-242SC



DUAL PIVOT POINT

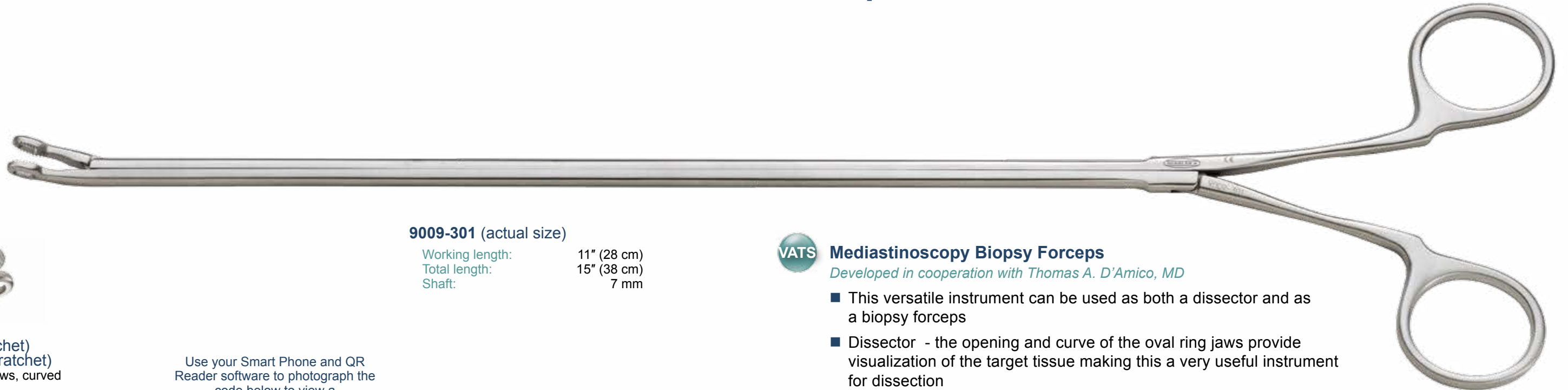
Scanlan VATS / MIS instruments have 2 pivot points (port compatible) with a sliding shaft between them as indicated for the 9909-910SC scissors below. The advantage of this design is that when the instrument is inserted through a port or very small thoracic incision, the instrument is fully functional. The length of the instrument from the blade / jaw tips to slightly before pivot point 2 is the working length which can be inserted through a port or very small incision without affecting functionality.

VATS MIS VATS / MIS Scissors
9909-910SC





D'Amico Mediastinoscopy Biopsy Forceps



9009-301 (actual size)

Working length: 11" (28 cm)
Total length: 15" (38 cm)
Shaft: 7 mm



Mediastinoscopy Biopsy Forceps

Developed in cooperation with Thomas A. D'Amico, MD

- This versatile instrument can be used as both a dissector and as a biopsy forceps
- Dissector - the opening and curve of the oval ring jaws provide visualization of the target tissue making this a very useful instrument for dissection
- Biopsy - The 6 mm width serrated oval jaws provide a secure grasp of the node tissue for ample tissue yield with each bite
- Durable, robust design
- Conventional style handles provide a familiar, comfortable feel
- Available with or without ratchets

Use your Smart Phone and QR Reader software to photograph the code below to view a **Video Demonstration** of the **D'Amico Mediastinoscopy Biopsy Forceps**



9009-311 (actual size)

Working length: 11" (28 cm)
Total length: 15" (38 cm)
Shaft: 7 mm



Mediastinoscopy Biopsy Forceps

Developed in cooperation with Thomas A. D'Amico, MD

- The 7 mm width oval cupped jaws provide a secure grasp of the node tissue for maximum tissue yield with each bite
- The curved jaws improve visualization of the biopsy site
- Durable, robust design
- Conventional style handles provide a familiar, comfortable feel
- Available with or without ratchets

9009-300 (with ratchet)
9009-301 (without ratchet)
6 mm width oval ring jaws, curved
7 mm shaft

9009-310 (with ratchet)
9009-311 (without ratchet)
7 mm width oval cupped jaws, curved
7 mm shaft



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Lung Grasping Clamps – Foerster



9009-227
Foerster Clamp
Right curved jaws
(left-hand style)
7 mm shaft



9009-228
Foerster Clamp
Left curved jaws
7 mm shaft



9009-226
Foerster Clamp
12 mm oval ring jaws
7 mm shaft



9009-228 (actual size)
Working length: 7 1/2" (19 cm)
Total length: 11 1/2" (29 cm)
Shaft: 7 mm



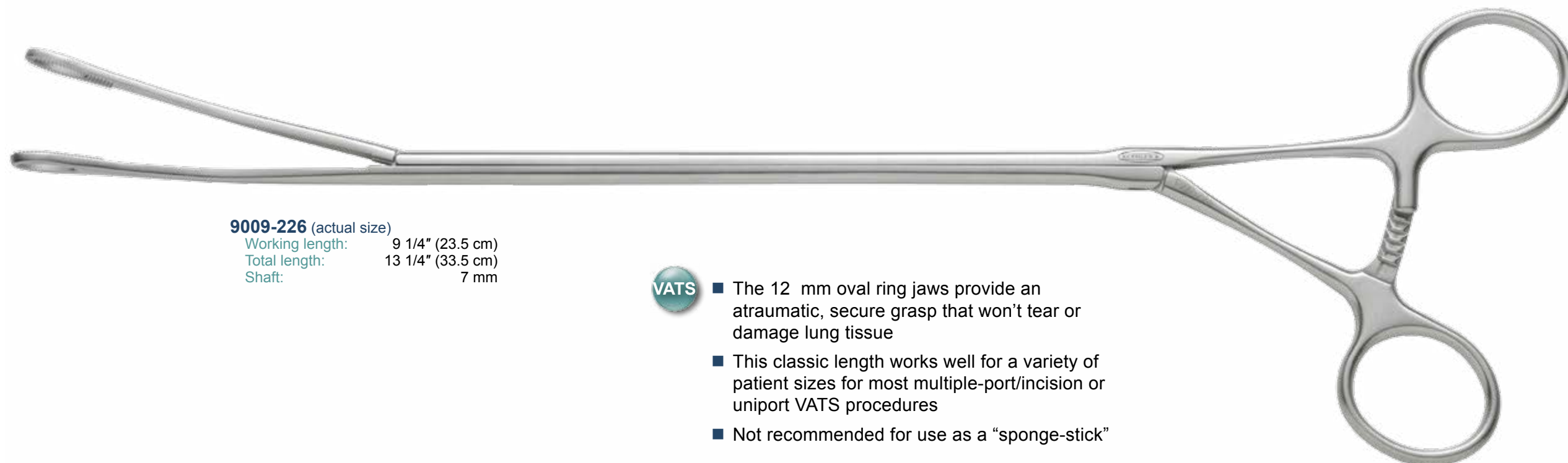
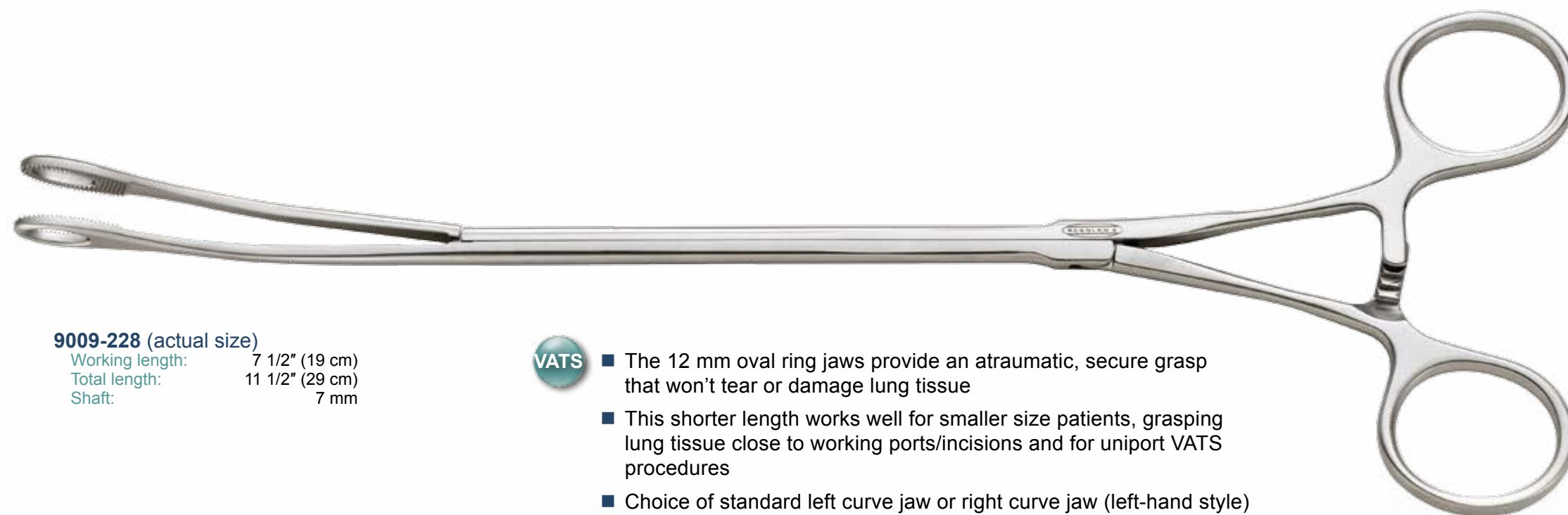
- The 12 mm oval ring jaws provide an atraumatic, secure grasp that won't tear or damage lung tissue
- This shorter length works well for smaller size patients, grasping lung tissue close to working ports/incisions and for uniport VATS procedures
- Choice of standard left curve jaw or right curve jaw (left-hand style)
- Not recommended for use as a "sponge-stick"



9009-226 (actual size)
Working length: 9 1/4" (23.5 cm)
Total length: 13 1/4" (33.5 cm)
Shaft: 7 mm



- The 12 mm oval ring jaws provide an atraumatic, secure grasp that won't tear or damage lung tissue
- This classic length works well for a variety of patient sizes for most multiple-port/incision or uniport VATS procedures
- Not recommended for use as a "sponge-stick"





Lung Grasping Clamps – Foerster



9909-921
Foerster Clamp
Right curved jaws
(left-hand style)
10 mm shaft



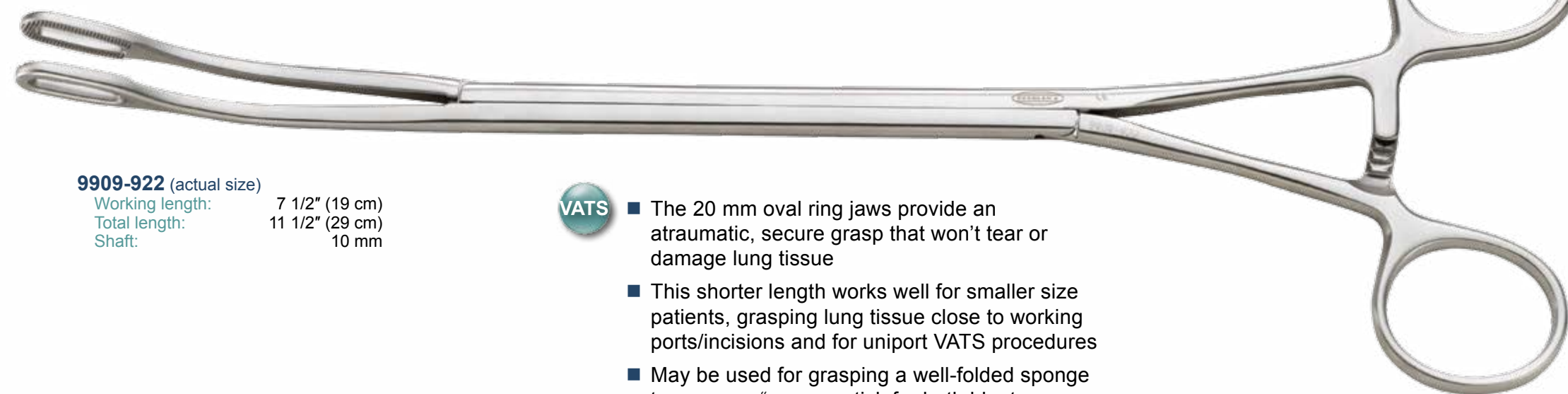
9909-922
Foerster Clamp
Left curved jaws
10 mm shaft



9909-920
Foerster Clamp
Left curved jaws
10 mm shaft



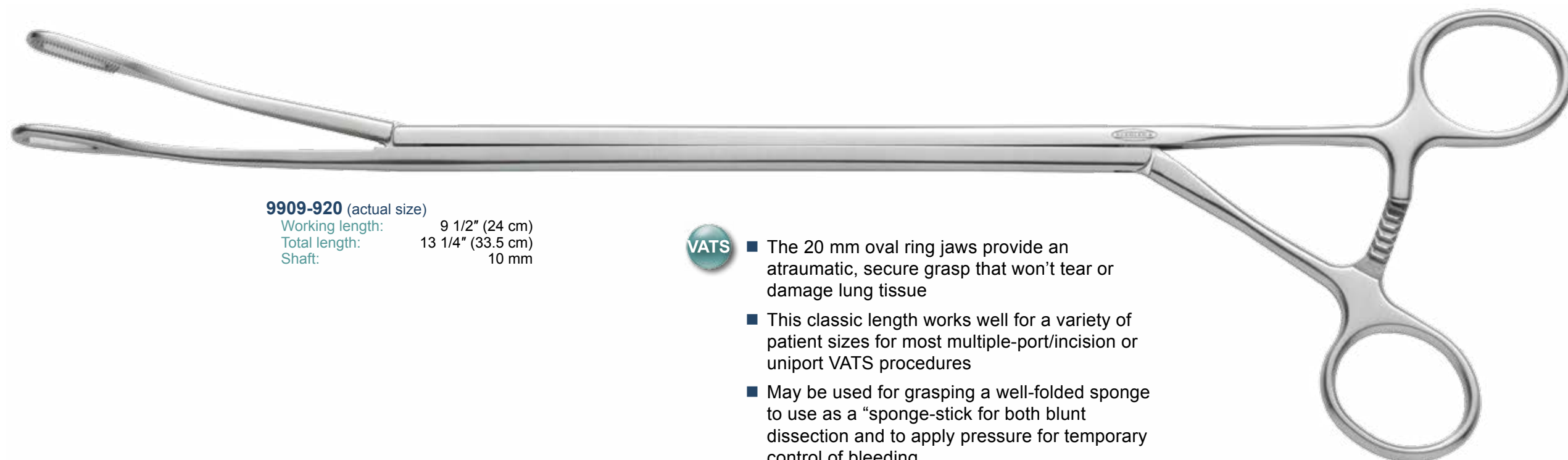
9909-923
Foerster Clamp
Deep curve
Left curved jaws
10 mm shaft



9909-922 (actual size)
Working length: 7 1/2" (19 cm)
Total length: 11 1/2" (29 cm)
Shaft: 10 mm



- The 20 mm oval ring jaws provide an atraumatic, secure grasp that won't tear or damage lung tissue
- This shorter length works well for smaller size patients, grasping lung tissue close to working ports/incisions and for uniport VATS procedures
- May be used for grasping a well-folded sponge to use as a "sponge-stick for both blunt dissection and to apply pressure for temporary control of bleeding
- Choice of standard left curve jaw or right curve jaw (left-hand style)



9909-920 (actual size)
Working length: 9 1/2" (24 cm)
Total length: 13 1/4" (33.5 cm)
Shaft: 10 mm



- The 20 mm oval ring jaws provide an atraumatic, secure grasp that won't tear or damage lung tissue
- This classic length works well for a variety of patient sizes for most multiple-port/incision or uniport VATS procedures
- May be used for grasping a well-folded sponge to use as a "sponge-stick for both blunt dissection and to apply pressure for temporary control of bleeding



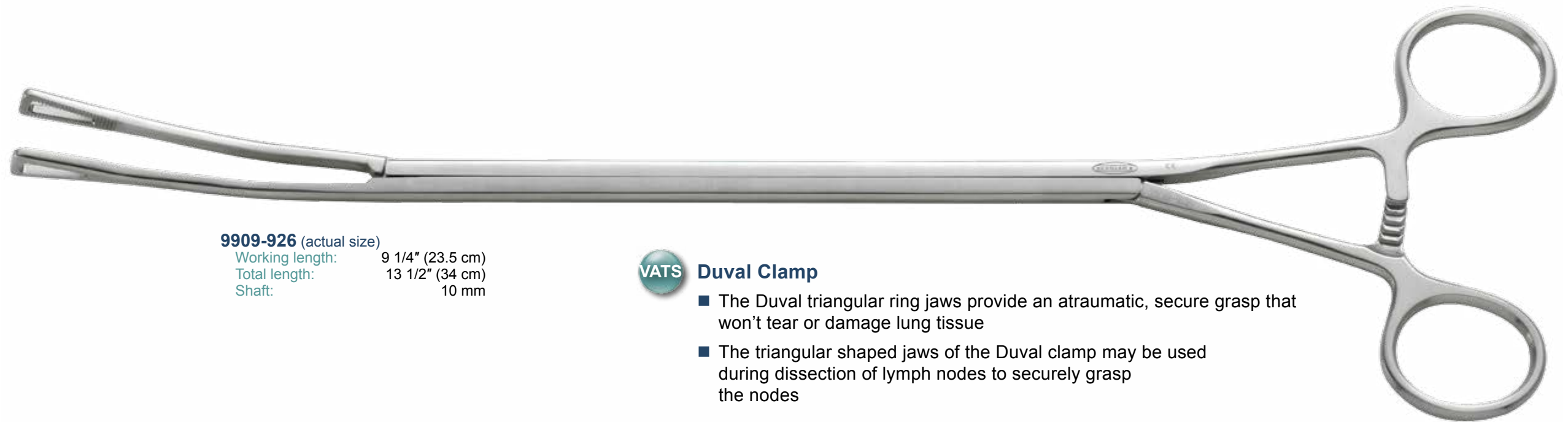
Lung Grasping Clamps – Duval



9909-926
Duval Clamp
1.0 cm width jaws
10 mm shaft



9909-927
Duval Clamp
2.5 cm width jaws
10 mm shaft



9909-926 (actual size)
Working length: 9 1/4" (23.5 cm)
Total length: 13 1/2" (34 cm)
Shaft: 10 mm



Duval Clamp

- The Duval triangular ring jaws provide an atraumatic, secure grasp that won't tear or damage lung tissue
- The triangular shaped jaws of the Duval clamp may be used during dissection of lymph nodes to securely grasp the nodes



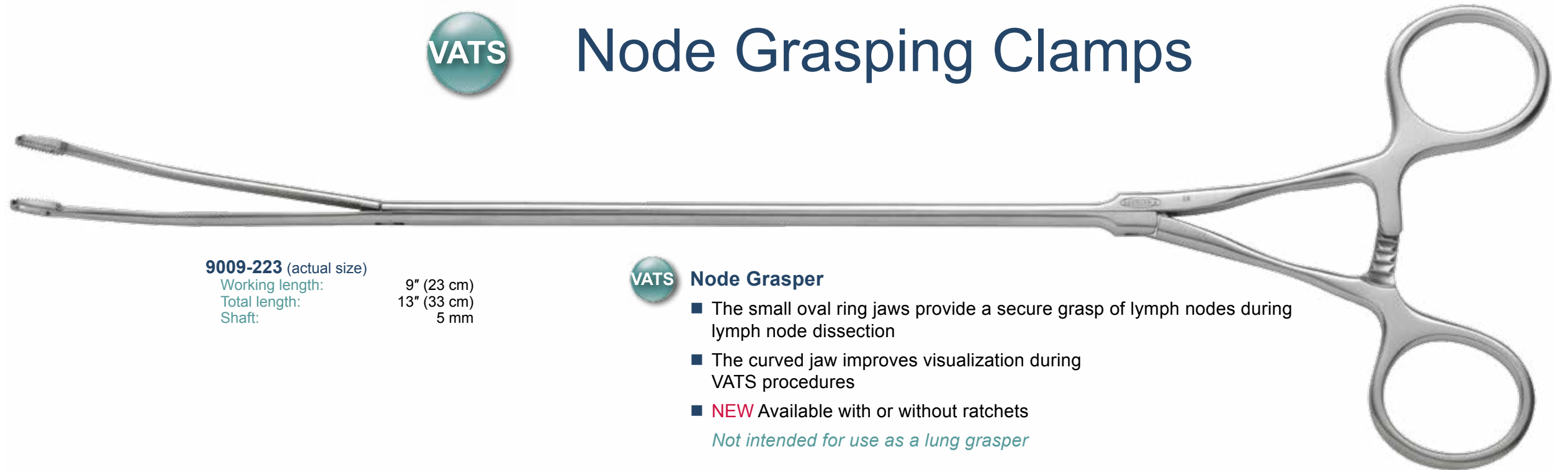
Node Grasping Clamps



9009-222
Node Grasper
11 mm oblong ring jaws, straight
5 mm shaft



9009-223 (with ratchet)
NEW 9009-225 (without ratchet)
Node Grasper
11 mm oblong ring jaws, curved
5 mm shaft



9009-223 (actual size)
Working length: 9" (23 cm)
Total length: 13" (33 cm)
Shaft: 5 mm



Node Grasper

- The small oval ring jaws provide a secure grasp of lymph nodes during lymph node dissection
- The curved jaw improves visualization during VATS procedures
- **NEW** Available with or without ratchets
Not intended for use as a lung grasper



D'Amico DeBakey Clamps



9909-221 (actual size)
Working length: 10" (25.4 cm)
Total length: 14 1/2" (37 cm)
Shaft: 10 mm

D'Amico Tapered Jaw Tip Compared to Chitwood DeBakey Jaw Tip

9909-221
D'Amico, curved tapered
1 x 2 DeBakey jaws

9909-912-13
Chitwood curved
1 x 2 DeBakey jaws



Procedures

Developed in cooperation with Thomas A. D'Amico, MD

- The tapered jaws of these clamps were developed specifically to facilitate and ease dissection of key structures during VATS procedures
- The curved jaws are perfect for blunt dissection to mobilize the artery, vein and bronchus
- The straight jaws were designed specifically to be used as a guide prior to stapling by passing behind the mobilized artery, vein or bronchus to replicate the direction of the linear stapler
- The straight jaws may be used to clamp the lung tissue parallel to the stapler when stapling the lung tissue; this creates even tissue tension which results in a smooth, even staple line
- **NEW** Available with or without ratchets

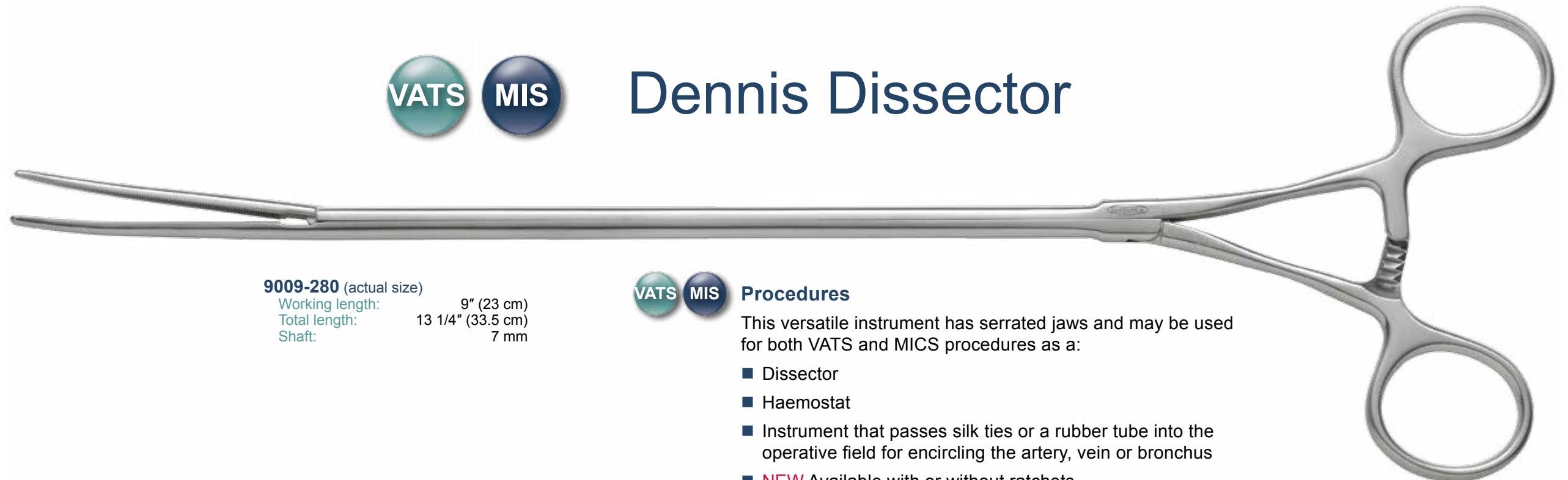
9909-222
D'Amico, straight tapered 1 x 2 DeBakey Jaws
11.5 cm Jaw Length
10 mm shaft



9909-221 (with ratchet)
NEW 9909-219 (without ratchet)
D'Amico, curved tapered 1 x 2 DeBakey jaws
11 cm Jaw Length
10 mm shaft



Dennis Dissector



9009-280 (actual size)
Working length: 9" (23 cm)
Total length: 13 1/4" (33.5 cm)
Shaft: 7 mm



Procedures

This versatile instrument has serrated jaws and may be used for both VATS and MICS procedures as a:

- Dissector
- Haemostat
- Instrument that passes silk ties or a rubber tube into the operative field for encircling the artery, vein or bronchus
- **NEW** Available with or without ratchets

9009-280 (with ratchet)
NEW 9009-281 (without ratchet)
Serrated jaws
7 mm shaft



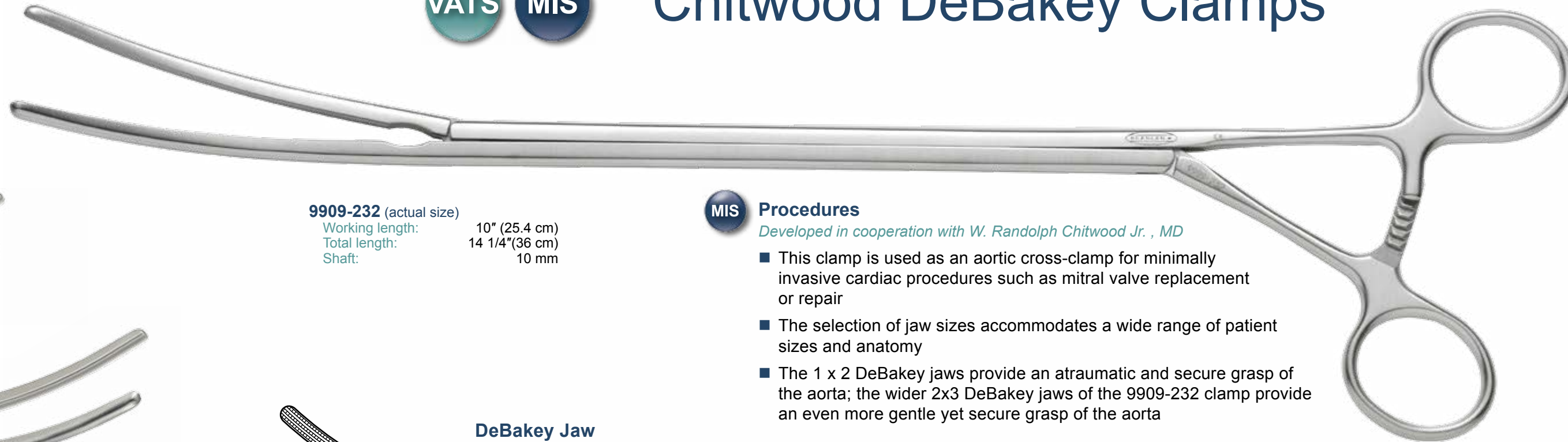
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Chitwood DeBakey Clamps



9909-232 (actual size)
Working length: 10" (25.4 cm)
Total length: 14 1/4" (36 cm)
Shaft: 10 mm

MIS Procedures

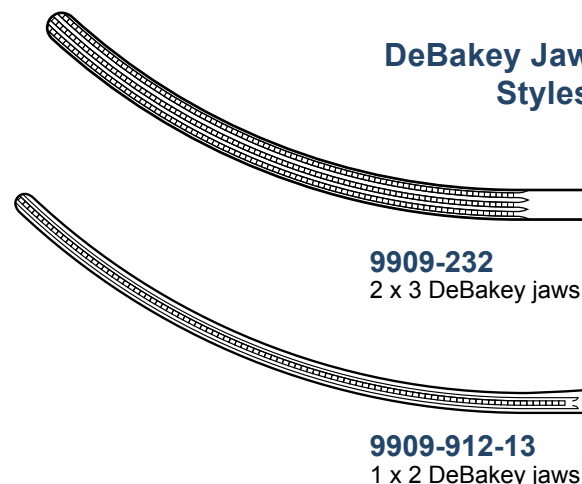
Developed in cooperation with W. Randolph Chitwood Jr., MD

- This clamp is used as an aortic cross-clamp for minimally invasive cardiac procedures such as mitral valve replacement or repair
- The selection of jaw sizes accommodates a wide range of patient sizes and anatomy
- The 1 x 2 DeBakey jaws provide an atraumatic and secure grasp of the aorta; the wider 2x3 DeBakey jaws of the 9909-232 clamp provide an even more gentle yet secure grasp of the aorta

VATS Procedures

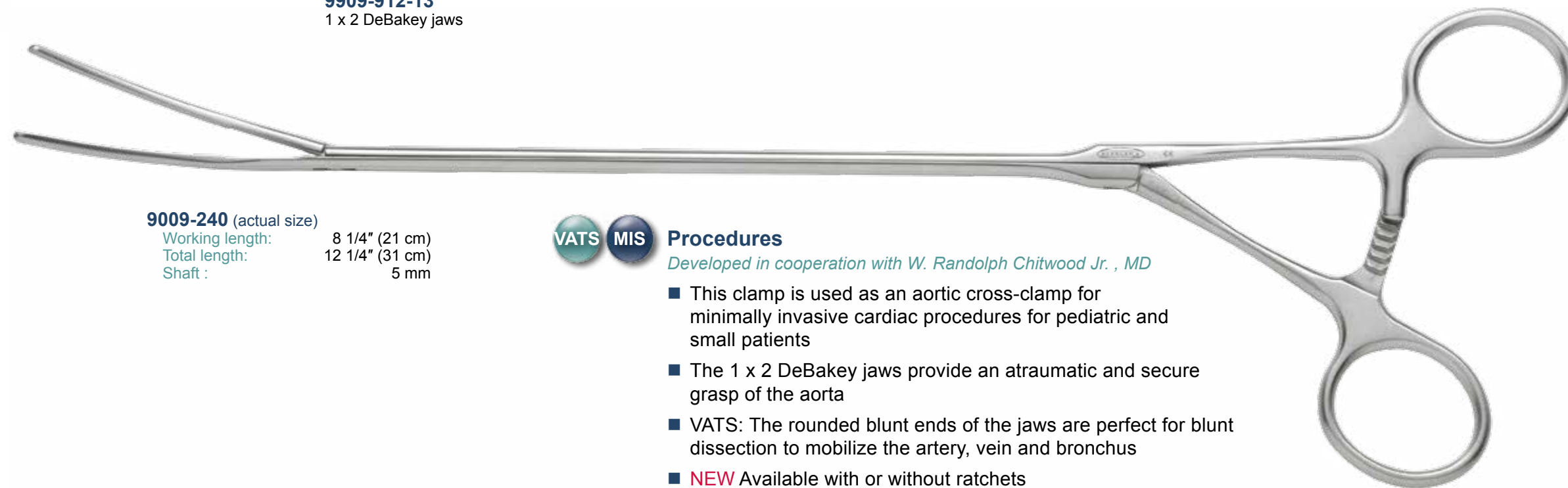
- The rounded blunt ends of the jaws are perfect for blunt dissection to mobilize the artery, vein and bronchus
- May be used as a guide prior to stapling by passing behind the mobilized artery, vein or bronchus to replicate the direction of the linear stapler
- May be used to clamp the lung tissue parallel to the stapler when stapling the lung tissue; this creates even tissue tension which results in a smooth, even staple line

DeBakey Jaw Styles



9909-232
2 x 3 DeBakey jaws

9909-912-13
1 x 2 DeBakey jaws



9909-240 (actual size)
Working length: 8 1/4" (21 cm)
Total length: 12 1/4" (31 cm)
Shaft : 5 mm

VATS MIS Procedures

Developed in cooperation with W. Randolph Chitwood Jr., MD

- This clamp is used as an aortic cross-clamp for minimally invasive cardiac procedures for pediatric and small patients
- The 1 x 2 DeBakey jaws provide an atraumatic and secure grasp of the aorta
- VATS: The rounded blunt ends of the jaws are perfect for blunt dissection to mobilize the artery, vein and bronchus
- **NEW** Available with or without ratchets



9909-912
6.5 cm jaw length
1 x 2 DeBakey jaws
10 mm shaft



9909-912-13
10 cm jaw length
1 x 2 DeBakey jaws
10 mm shaft



9909-232
10 cm jaw length
2 x 3 DeBakey jaws
10 mm shaft



9909-240 (with ratchets)
NEW 9909-241 (without ratchets)
6 cm jaw length
1 x 2 DeBakey jaws
5 mm shaft



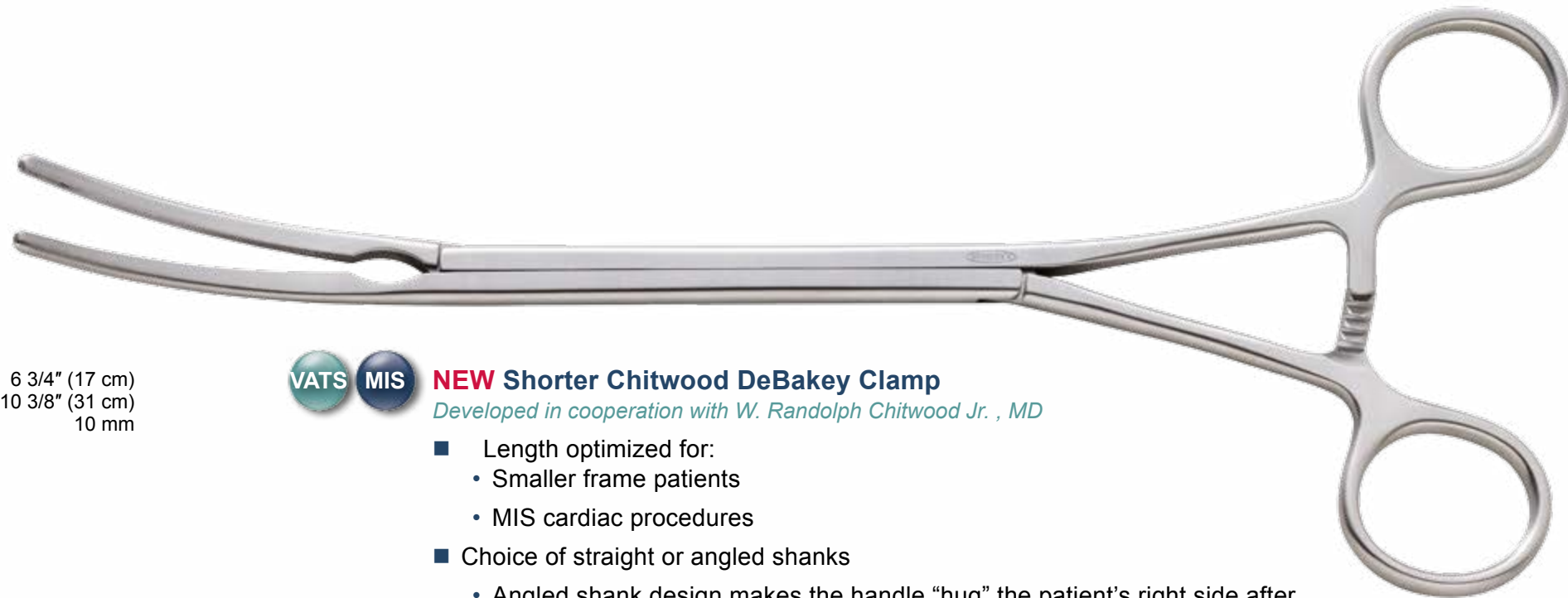
Shorter Chitwood DeBakey Clamps



NEW 9909-915
7 cm jaw length
1 x 2 curved right DeBakey jaws
straight shanks
10 mm shaft



NEW 9909-913 and 9909-914
7 cm jaw length
1 x 2 curved left DeBakey jaws
9909-913 angled shanks
9909-914 straight shanks
10 mm shaft



VATS MIS NEW Shorter Chitwood DeBakey Clamp
Developed in cooperation with W. Randolph Chitwood Jr., MD

- Length optimized for:
 - Smaller frame patients
 - MIS cardiac procedures
- Choice of straight or angled shanks
 - Angled shank design makes the handle “hug” the patient’s right side after the clamp is positioned which keeps the handle out of the surgeon’s way
- Choice of left or right curved jaws
 - Left curve jaw – recommended for use when clamp is inserted from the patient’s right side; the curve of jaw points towards patient’s left shoulder when the clamp is in position
 - Right curve jaw – recommended for use when the clamp is inserted from the patient’s left side; curve of jaw points towards patient’s right shoulder when the clamp is in position
- Atraumatic 1 x 2 DeBakey jaws




9909-913 (actual size)
Working length: 6 3/4" (17 cm)
Total length: 9 3/4" (24.8 cm)
Shaft : 10 mm

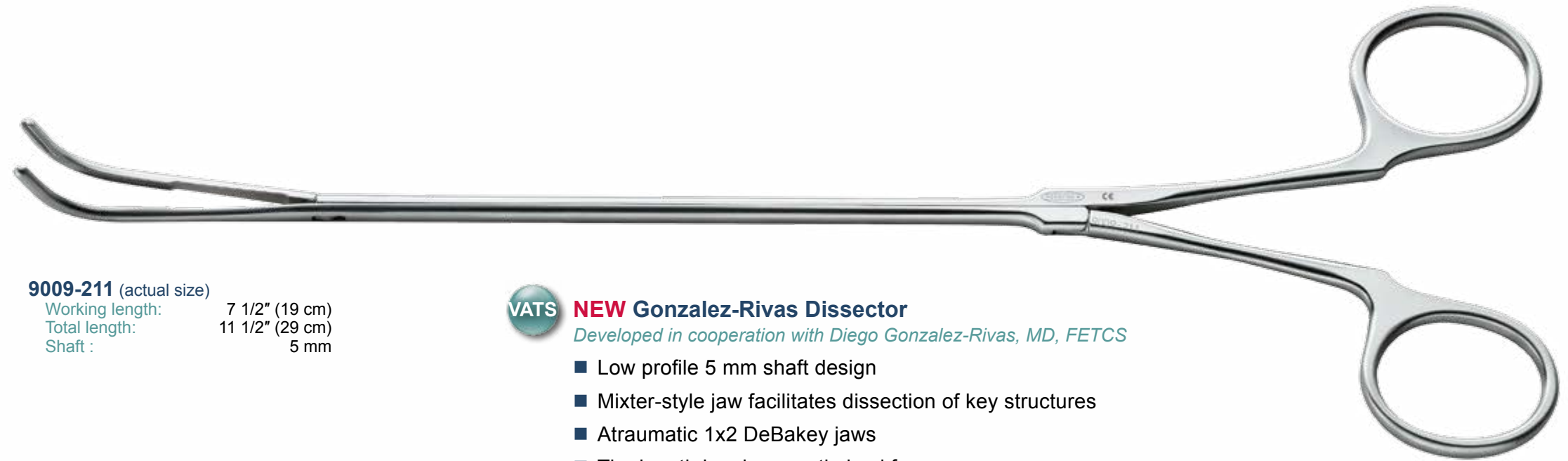
9909-914 (actual size)
Working length: 6 3/4" (17 cm)
Total length: 10 3/8" (31 cm)
Shaft : 10 mm



Gonzalez-Rivas Dissector



 **NEW 9009-210** (with ratchet)
NEW 9009-211 (without ratchet)
1 x 2 DeBakey Jaws
5 mm shaft



9009-211 (actual size)
Working length: 7 1/2" (19 cm)
Total length: 11 1/2" (29 cm)
Shaft : 5 mm



NEW Gonzalez-Rivas Dissector

Developed in cooperation with Diego Gonzalez-Rivas, MD, FETCS

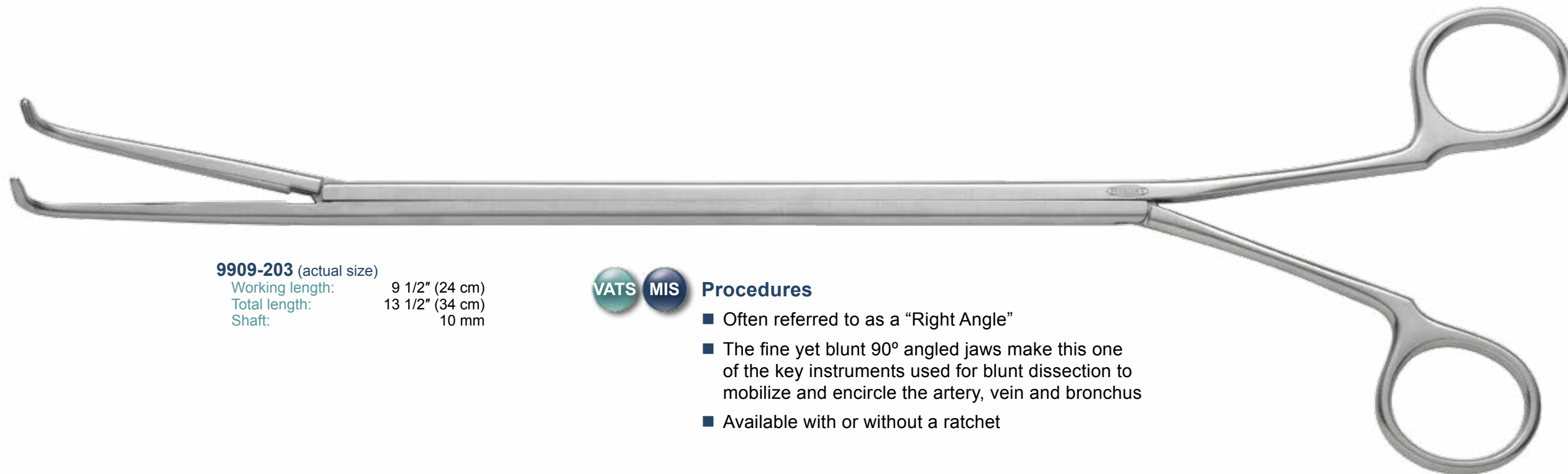
- Low profile 5 mm shaft design
- Mixer-style jaw facilitates dissection of key structures
- Atraumatic 1x2 DeBakey jaws
- The length has been optimized for:
 - Smaller frame patients
 - Uniportal VATS procedures
 - Conventional open procedures in large patients and/or deep surgical sites
- The shorter length also provides:
 - Increased tactile feel
 - The surgeon with a feeling of more control of the instrument
- Choice of with or without ratchet



DeBakey Cooley Forceps



9909-203 (without ratchet)
9909-202 (with ratchet)
DeBakey Cooley jaws
10 mm shaft



9909-203 (actual size)
Working length: 9 1/2" (24 cm)
Total length: 13 1/2" (34 cm)
Shaft: 10 mm



Procedures

- Often referred to as a "Right Angle"
- The fine yet blunt 90° angled jaws make this one of the key instruments used for blunt dissection to mobilize and encircle the artery, vein and bronchus
- Available with or without a ratchet



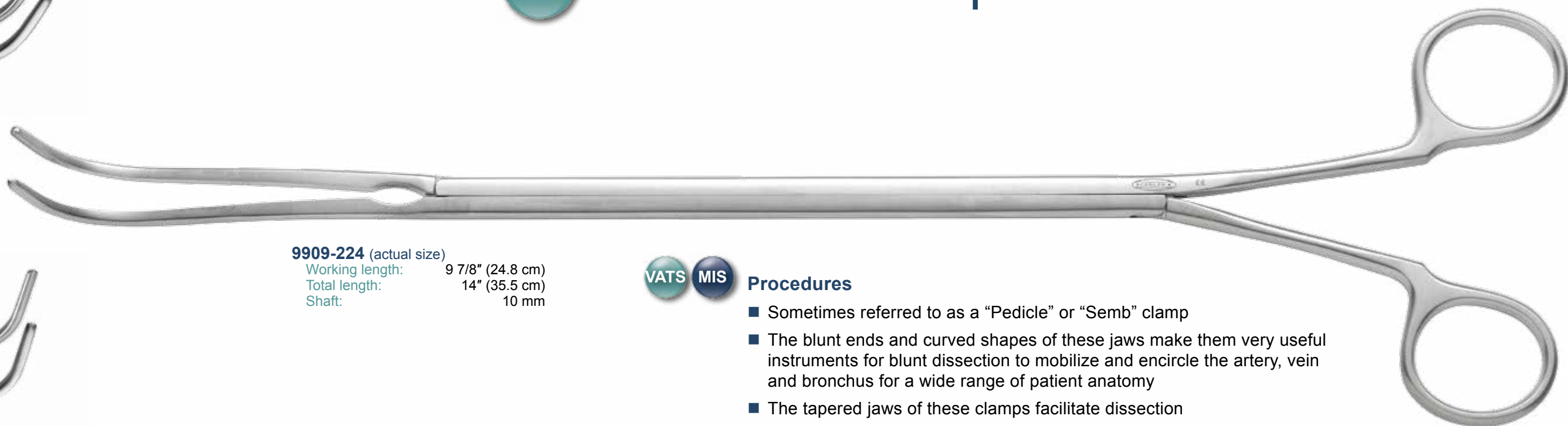
Harken Clamps



9909-224 (without ratchet)
9909-225 (with ratchet)
Harken #1
Tapered 1 x 2 DeBakey Jaws
10 mm shaft



9909-226 (without ratchet)
9909-227 (with ratchet)
Harken #2
Tapered 1 x 2 DeBakey Jaws
10 mm shaft



9909-224 (actual size)
Working length: 9 7/8" (24.8 cm)
Total length: 14" (35.5 cm)
Shaft: 10 mm



Procedures

- Sometimes referred to as a "Pedicel" or "Semb" clamp
- The blunt ends and curved shapes of these jaws make them very useful instruments for blunt dissection to mobilize and encircle the artery, vein and bronchus for a wide range of patient anatomy
- The tapered jaws of these clamps facilitate dissection
- Available with or without ratchet



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Super Cut™ Scissors

Scanlan® Super Cut™ Scissors have a unique asymmetric blade design that combines a razor edge with a scissors edge to provide a clean cut, and prevents pinching or slipping of tissue.

These scissors are handcrafted by artisans to ensure superior balance and tactile feel, thus providing the ultimate in cutting precision and control.



9009-716SC*
Straight blade
5 mm shaft



9009-738SC
Curved blade
5 mm shaft



9909-910SC
Curved blade
10 mm shaft



NEW 9909-911SC
Curved wide blade
10 mm shaft

* Custom made at time of order. Firm sale.



Super Cut™ Scissors



9009-738SC (actual size)
Working length: 7 1/4" (18.5 cm)
Total length: 11 1/2" (29 cm)
Shaft diameter: 5 mm



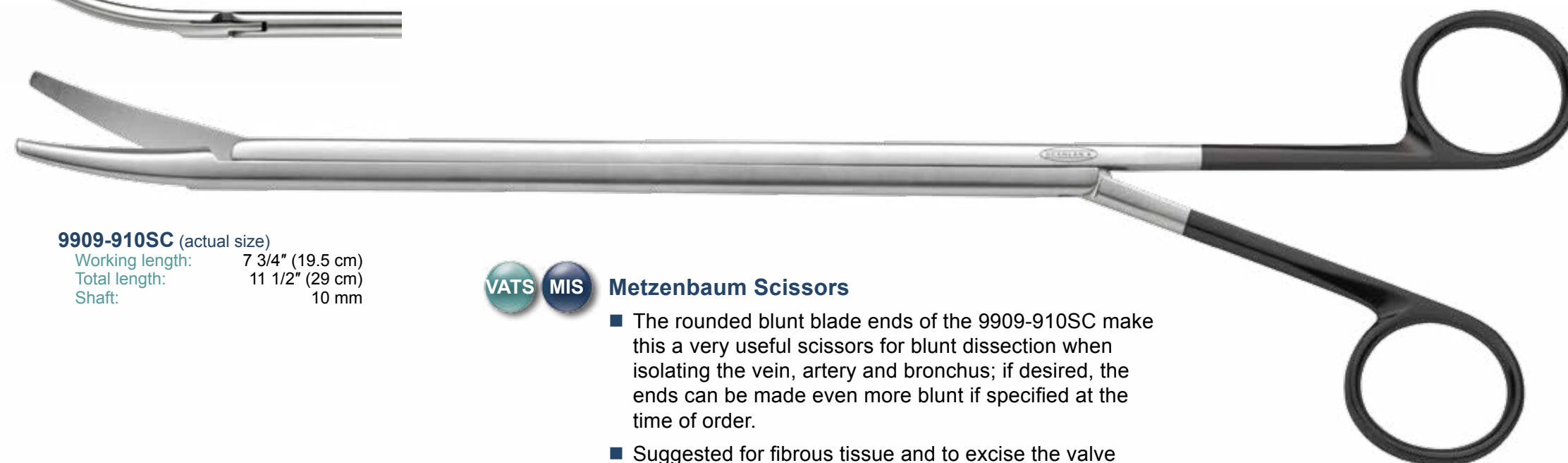
Chitwood Dissecting Scissors

Developed in cooperation with W. Randolph Chitwood, Jr. MD

- Used for dissection of fine tissue
- Suggested for opening the pericardium



9909-910SC (actual size)
Working length: 7 3/4" (19.5 cm)
Total length: 11 1/2" (29 cm)
Shaft: 10 mm



Metzenbaum Scissors

- The rounded blunt blade ends of the 9909-910SC make this a very useful scissors for blunt dissection when isolating the vein, artery and bronchus; if desired, the ends can be made even more blunt if specified at the time of order.
- Suggested for fibrous tissue and to excise the valve
- **NEW** Wide blade design suggested for very fibrous tissue and calcified valves



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Shorter Forceps – Axial Handle



NEW Shorter Axial DeBakey Forceps

- Length optimized for:
 - Smaller frame patients
 - MIS cardiac procedures
 - Conventional open procedures in large patients and/or deep surgical sites
- Lower profile, lighter weight, 8 mm diameter diamond knurling provides a secure grip
- 2.5 mm width, 1x2 DeBakey jaws

9009-528 (actual size)
 Working length: 6 1/4" (16 cm)
 Total length: 12 1/2" (32 cm)
 Shaft: 5 mm

9009-510 (without ratchet)
9009-511 (with ratchet)
 Resano jaws, 2.5 mm width
 5 mm shaft

9009-512 (without ratchet)
9009-513 (with ratchet)
 Russian jaws, 6 mm width
 5 mm shaft

9009-516 (without ratchet)
9009-517 (with ratchet)
 Platform DIAMOND DUST™ jaws, 2 mm width
 5 mm shaft

9009-520 (without ratchet)
9009-521 (with ratchet)
 DeBakey jaws, 1.5 mm width
 5 mm shaft

9009-522 (without ratchet)
9009-523 (with ratchet)
NEW 9009-528 (without ratchet)
 DeBakey jaws, 2.5 mm width
 5 mm shaft

9009-524 (without ratchet)
9009-525 (with ratchet)
 DeBakey jaws, 3.5 mm width
 5 mm shaft



Forceps – Axial Handle



- Innovative, ergonomic handle design provides superior balance and feel
- Perfect for surgeons who prefer thoracoscopic instruments that allow them to “roll the handles between their fingertips”
- All forceps styles are available with or without ratchets

9009-524 (actual size)
 Working length: 8" (20 cm)
 Total length: 14 1/4" (36 cm)
 Shaft: 5 mm



Jaw Styles

- DeBakey Jaws – Used to atraumatically grasp and manipulate soft tissue. Available in 3 different widths for delicate to heavier tissue: 1.5 mm, 2.5 mm and 3.5 mm
- Russian Jaws – Used to atraumatically grasp and manipulate soft tissue
- Resano Jaws – The multi-tooth tips are used to securely grasp and manipulate fibrous or calcified tissue
- Platform Jaws – Used during suturing, – the slightly raised area on each tip provides a platform that facilitates both grasping the needle as it exits the tissue, and passing it to the needle holder. DIAMOND DUST™ is “needle friendly” and will not burr or score needles and it can also be used to atraumatically grasp tissue



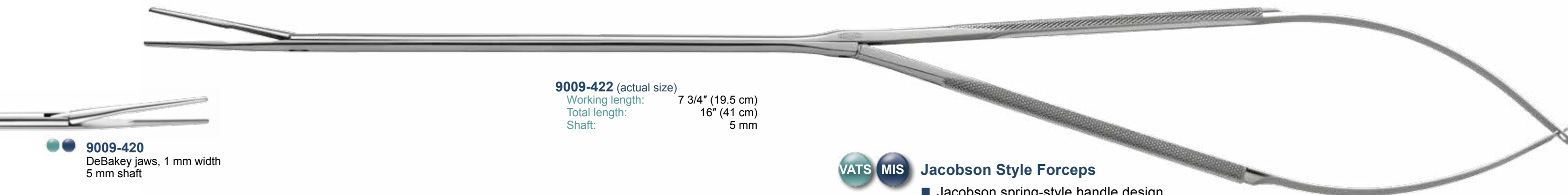
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Forceps – Spring Style



9009-422 (actual size)
Working length: 7 3/4" (19.5 cm)
Total length: 16" (41 cm)
Shaft: 5 mm

9009-420
DeBakey jaws, 1 mm width
5 mm shaft

9009-422
DeBakey jaws, 2 mm width
5 mm shaft

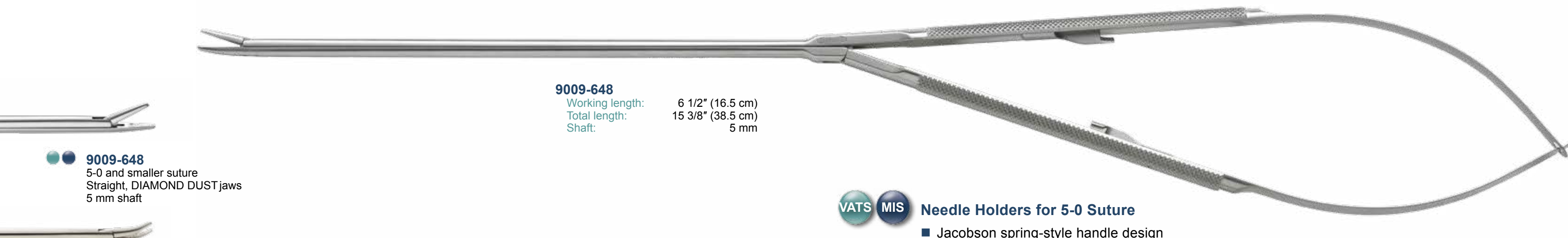


Jacobson Style Forceps

- Jacobson spring-style handle design
- DeBakey Jaws – Used to atraumatically grasp and manipulate soft tissue
- Available in 2 different widths for delicate to slightly heavier tissue: 1 mm and 2 mm



Needle Holders – Spring Style



9009-648
Working length: 6 1/2" (16.5 cm)
Total length: 15 3/8" (38.5 cm)
Shaft: 5 mm

9009-648
5-0 and smaller suture
Straight, DIAMOND DUST jaws
5 mm shaft

9009-650*
5-0 and smaller suture
Curved, DIAMOND DUST™ jaws
5 mm shaft



Needle Holders for 5-0 Suture

- Jacobson spring-style handle design
- Scanlan® DIAMOND DUST™ jaws provide a very secure grip on the most delicate needles yet won't burr or damage them

* Custom made at time of order. Firm sale.



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Shorter Needle Holders – Ring Handle



NEW 9009-636
4-0 and smaller suture
Straight, Carbon-inlay jaws
7 mm shaft



NEW 9009-637
4-0 and smaller suture
Curved, Carbon-inlay jaws
7 mm shaft



NEW 9009-638
2-0 and smaller suture
Straight, Carbon-inlay jaws
7 mm shaft



NEW 9009-639
2-0 and smaller suture
Curved, Carbon-inlay jaws
7 mm shaft



9009-618
5-0 and smaller suture
Straight, DIAMOND DUST™ jaws
5 mm shaft



9009-636 (actual size)
Working length: 6 1/4" (16 cm)
Total length: 11 1/4" (28.5 cm)
Shaft: 7 mm



NEW Needle Holders

- Length optimized for:
 - Smaller frame patients
 - MIS cardiac procedures
 - Conventional open procedures in large patients and/or deep surgical sites
- Lower profile, lighter weight, 7 mm shaft design for both 2-0 and 4-0 sized needle holders
- Carbon-Inlay Jaws – provides a very secure grasp of larger sized needles
- Straight or curved jaws
- Gold ring handles



9009-618 (actual size)
Working length: 6 1/2" (16.5 cm)
Total length: 10 1/2" (27 cm)
Shaft: 5 mm



Needle Holders for 5-0 Suture

- This ring handle needle holder has the balance and confident feel of conventional ring handle needle holders
- Scanlan® DIAMOND DUST™ jaws provide a very secure grip on the most delicate needles yet won't burr or damage them.

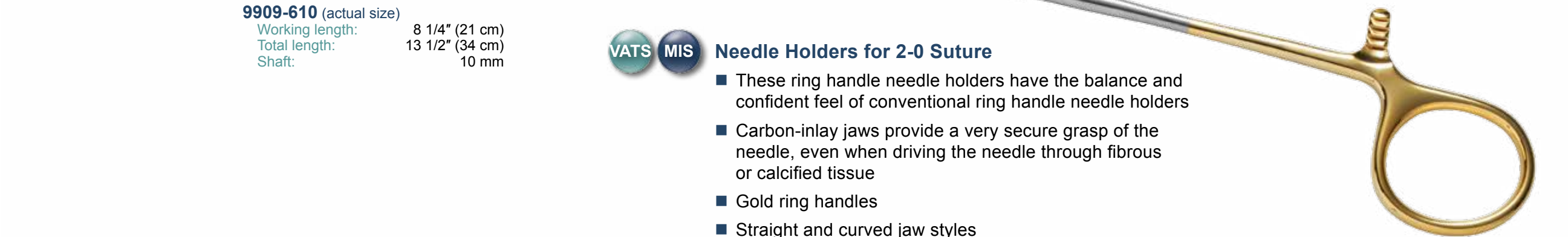
Needle Holders – Ring Handle



9909-610 (actual size)
 Working length: 8 1/4" (21 cm)
 Total length: 13 1/2" (34 cm)
 Shaft: 10 mm

Needle Holders for 2-0 Suture

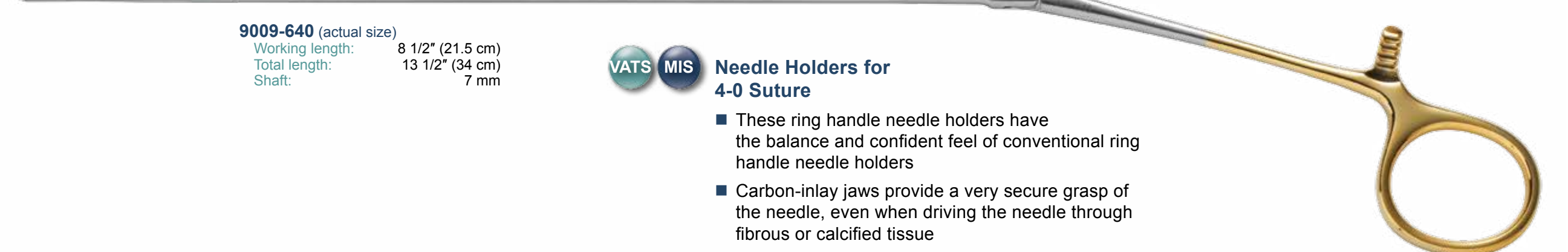
- These ring handle needle holders have the balance and confident feel of conventional ring handle needle holders
- Carbon-inlay jaws provide a very secure grasp of the needle, even when driving the needle through fibrous or calcified tissue
- Gold ring handles
- Straight and curved jaw styles



9009-640 (actual size)
 Working length: 8 1/2" (21.5 cm)
 Total length: 13 1/2" (34 cm)
 Shaft: 7 mm

Needle Holders for 4-0 Suture

- These ring handle needle holders have the balance and confident feel of conventional ring handle needle holders
- Carbon-inlay jaws provide a very secure grasp of the needle, even when driving the needle through fibrous or calcified tissue
- Gold ring handles
- Straight and curved jaw styles



9909-610
 2-0 and smaller suture
 Straight, Carbon-inlay jaws
 10 mm shaft

9909-612
 2-0 and smaller suture
 Curved, Carbon-inlay jaws
 10 mm shaft

9009-640
 4-0 and smaller suture
 Straight, Carbon-inlay jaws
 7 mm shaft

9009-642
 4-0 and smaller suture
 Curved, Carbon-inlay jaws
 7 mm shaft



- 9009-541 (with ratchet)
9009-540 (without ratchet)
7-0 suture and smaller
Straight, DIAMOND DUST™ jaws
5 mm Shaft



- 9009-543 (with ratchet)
9009-542 (without ratchet)
7-0 suture and smaller
Curved, DIAMOND DUST™ jaws
5 mm shaft



- 9009-551 (with ratchet)
9009-550 (without ratchet)
5-0 suture and smaller
Straight, DIAMOND DUST™ jaws
6 mm shaft



- 9009-553 (with ratchet)
9009-552 (without ratchet)
5-0 suture and smaller
Curved, DIAMOND DUST™ jaws
6 mm shaft



- 9009-541 (actual size)
Working length: 8" (20 cm)
Total length: 14 3/8" (36.5 cm)
Shaft diameter: 5 mm

MIS Needle Holders for 7-0 Suture

- Innovative, ergonomic handle design provides superior balance and feel
- Perfect for surgeons who prefer thoracoscopic instruments that allow them to "roll the handles between their fingertips"
- Scanlan® DIAMOND DUST™ jaws provide a very secure grip on the most delicate needles yet won't burr or damage them
- Straight and curved jaw styles
- Available with or without ratchets



- 9009-551 (actual size)
Working length: 8" (20 cm)
Total length: 14 3/8" (36.5 cm)
Shaft diameter: 6 mm

VATS MIS Needle Holders for 5-0 Suture

- Innovative, ergonomic handle design provides superior balance and feel
- Perfect for surgeons who prefer thoracoscopic instruments that allow them to "roll the handles between their fingertips"
- Scanlan® DIAMOND DUST™ jaws provide a very secure grip on the most delicate needles yet won't burr or damage them
- Straight and curved jaw styles
- Available with or without ratchets



9009-571 (with ratchet)
9009-570 (without ratchet)
2-0 suture and smaller
Straight, Carbon-inlay jaws
7 mm shaft



9009-573 (with ratchet)
9009-572 (without ratchet)
2-0 suture and smaller
Curved, Carbon-inlay jaws
7 mm shaft



9009-561 (with ratchet)
9009-560 (without ratchet)
4-0 suture and smaller
Straight, Carbon-inlay jaws
7 mm shaft



9009-563 (with ratchet)
9009-562 (without ratchet)
4-0 suture and smaller
Curved, Carbon-inlay jaws
7 mm shaft



9009-571 (actual size)
Working length: 8" (20 cm)
Total length: 14 3/8" (36.5 cm)
Shaft: 7 mm

Needle Holders for 2-0 Suture

- Innovative, ergonomic handle design provides superior balance and feel
- Perfect for surgeons who prefer thoracoscopic instruments that allow them to "roll the handles between their fingertips"
- Carbon-inlay jaws provide a secure grasp of the needle, even when driving the needle through fibrous or calcified tissue
- Gold-tipped handles
- Straight and curved jaw styles
- Available with or without ratchets



9009-561 (actual size)
Working length: 8" (20 cm)
Total length: 14 3/8" (36.5 cm)
Shaft: 7 mm

Needle Holders for 4-0 Suture

- Innovative, ergonomic handle design provides superior balance and feel
- Perfect for surgeons who prefer thoracoscopic instruments that allow them to "roll the handles between their fingertips"
- Carbon-inlay jaws provide a secure grasp of the needle, even when driving the needle through fibrous or calcified tissue
- Gold-tipped handles
- Straight and curved jaw styles
- Available with or without ratchets

Chitwood Knot Pusher

Developed in cooperation with W. Randolph Chitwood Jr., MD

- Enables surgeon to securely tie knots even in deep operative fields through small incisions.
- The "Trap Model" design securely holds suture during the tying procedure and prevents suture from slipping out.
- The smooth edges of the "Trap Model" prevent the suture from fraying during knot tying procedure.
- Pediatric and adult lengths
- 2 tip styles:
 - Original "Trap Model" for 2-0 and smaller suture.
 - Mini "Trap Model" for 4-0 and smaller suture.

Secure

The "Trap Model" design securely holds suture during the tying procedure and prevents suture from slipping out.



9009-827-11 (pediatric)
9009-827-12
4-0 and smaller suture
Mini "Trap Model"
5 mm shaft



9009-828
9009-828-16
2-0 and smaller suture
Original "Trap Model"
5 mm shaft



9009-827-12 (actual size)
Working length: 5 1/2" (14 cm)
Total length: 12" (30.5 cm)
Shaft: 5 mm



9009-828 (actual size)
Working length: 6 1/8" (15.5 cm)
Total length: 12 1/2" (32 cm)
Shaft: 5 mm



9009-828-16 (actual size)
Working length: 7 1/4" (18.5 cm)
Total length: 15 3/4" (40 cm)
Shaft: 5 mm

Use your Smart Phone and
QR Reader software to photograph
the code below to view a

**Video Demonstration
of the Chitwood Knot Pusher**





Chitwood Super Cut™ Suture Cutter

Developed in cooperation with W. Randolph Chitwood Jr., MD

- Enables surgeon to confidently and safely cut sutures in deep operative fields through small incisions.
- **Safety** – the thickness of the footplate prevents inadvertently cutting the knot, and ensures the suture tags above the knot will always be the appropriate length.
- **Safety** – the footplate design prevents inadvertently cutting any surrounding tissue.
- The “Trap Model” design securely holds the suture when it is cut.
- The Super Cut™ cutting mechanism ensures a clean suture cut without fraying.
- The small profile “Trap Model” design easily fits into confined spaces.
- Designed for cutting 2-0 and smaller suture.
- Easily fits through a 12 mm endo port.



Chitwood Super Cut™ Suture Cutter



Safety

- The thickness of the footplate prevents inadvertently cutting the knot, and ensures the suture tags above the knot will always be the appropriate length.
- The footplate design prevents inadvertently cutting any surrounding tissue

9009-838SC (actual size)

Working length: 7" (18 cm)
Total length: 11" (28 cm)
Shaft diameter: 5 mm

9009-840SC (actual size)

Working length: 9" (23 cm)
Total length: 13" (33 cm)
Shaft diameter: 5 mm

9009-842SC (actual size)

Working length: 11" (28 cm)
Total length: 15" (38 cm)
Shaft diameter: 5 mm



9009-838SC
9009-840SC
9009-842SC
2-0 and smaller suture
5 mm shaft



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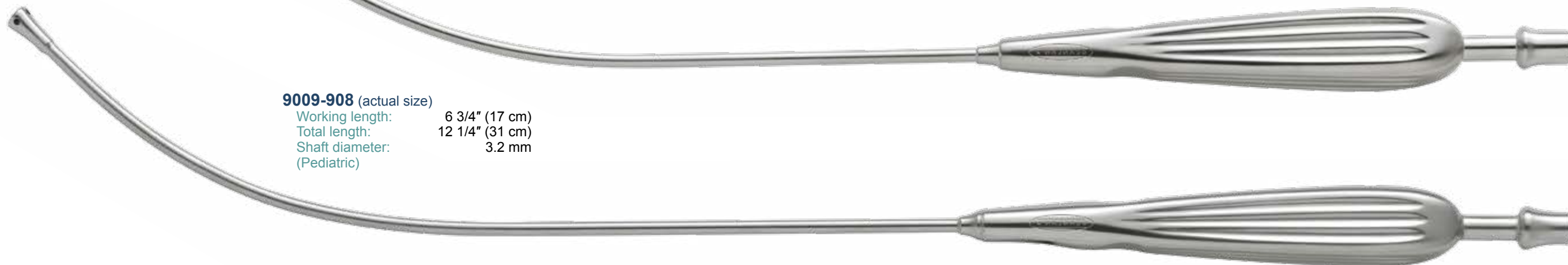


Suction Instruments



Enlarged to
show detail

9009-908
9009-909 (variable suction)
9009-910
9009-911 (variable suction)
6 mm tip width
3.2 mm curved shaft

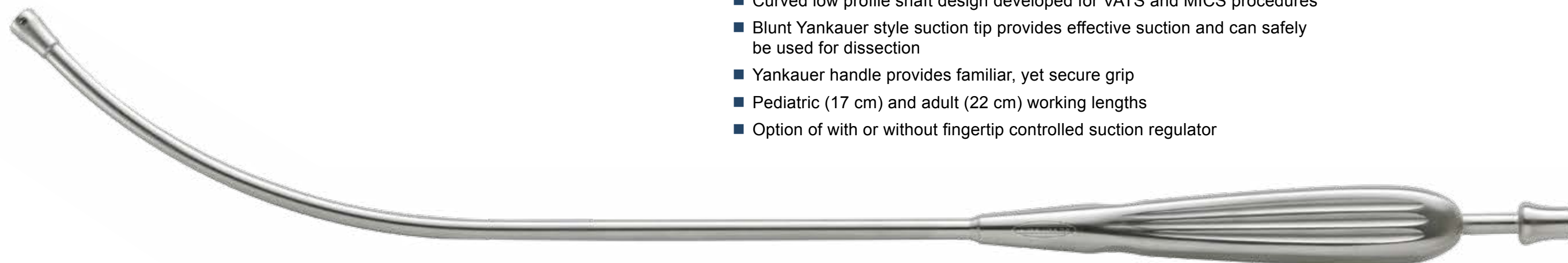


9009-908 (actual size)
Working length: 6 3/4" (17 cm)
Total length: 12 1/4" (31 cm)
Shaft diameter: 3.2 mm
(Pediatric)



Enlarged to
show detail

9009-914
9009-915 (variable suction)
9009-916
9009-917 (variable suction)
7.5 mm tip width
5 mm curved shaft



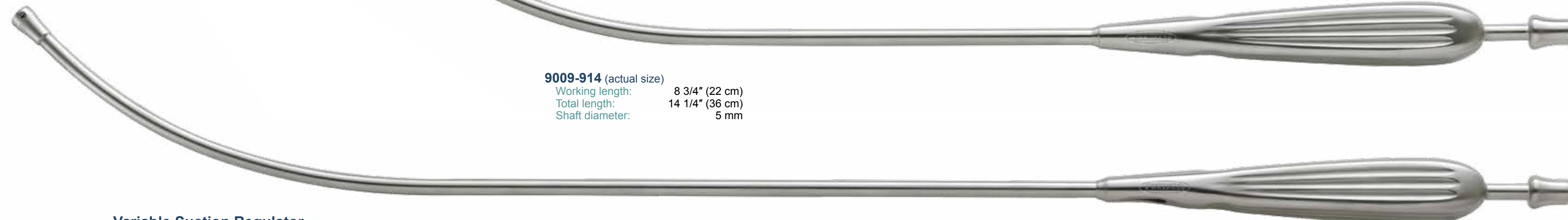
9009-911 (actual size)
Working length: 8 3/4" (22 cm)
Total length: 14 1/4" (36 cm)
Shaft diameter: 3.2 mm



Wolf Suction Instrument – 3.2 mm Shaft

Developed in cooperation with Randall K. Wolf, MD

- Curved low profile shaft design developed for VATS and MICS procedures
- Blunt Yankauer style suction tip provides effective suction and can safely be used for dissection
- Yankauer handle provides familiar, yet secure grip
- Pediatric (17 cm) and adult (22 cm) working lengths
- Option of with or without fingertip controlled suction regulator



9009-914 (actual size)
Working length: 8 3/4" (22 cm)
Total length: 14 1/4" (36 cm)
Shaft diameter: 5 mm

Variable Suction Regulator



Designed with a unique tear-shaped port. The variable suction regulator allows for variable suction control.

9009-917 (not actual length)
Working length: 12 1/2" (32 cm)
Total length: 17 3/4" (45.5 cm)
Shaft Diameter: 5 mm



Dennis Suction Instrument – 5 mm Shaft

- 5 mm shaft and larger tip opening won't clog during procedure
- Tip is blunted so it can safely be used as a dissector
- Option of 22 cm or 32 cm working lengths
- Option of with or without fingertip controlled suction regulator



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Enlarged to
show detail

9009-900
9009-901 (variable suction)
5 mm tip width
5 mm straight shaft



9009-900 (actual size)
Working length: 12 1/2" (32 cm)
Total length: 17 3/4" (45.5 cm)
Shaft diameter: 5 mm

D'Amico Suction Instrument – 5 mm

Developed in cooperation with Thomas A. D'Amico, MD

- Tip is blunted so it can be safely used as a dissector
- Side holes at distal end provide gentle, yet very functional suction
- 5 mm shaft and tip opening will not clog during procedure
- Yankauer handle provides familiar, yet secure grip
- Option of with or without fingertip controlled suction regulator



Enlarged to
show detail

9009-920
9009-921 (variable suction)
10 mm tip width
10 mm straight shaft



9009-920 (actual size)
Working length: 12 1/2" (32 cm)
Total length: 17 3/4" (45.5 cm)
Shaft Diameter: 10 mm

D'Amico Suction Instrument – 10 mm

Developed in cooperation with Thomas A. D'Amico, MD

- VATS drainage of empyema and decortication procedures
- Drainage of large hematoma and clots
- Tip is blunted so it can be safely used for dissection
- Sturdy design facilitates decortication
- Yankauer handle provides familiar, yet secure grip
- Fits on standard suction tubing
- Option of with or without fingertip controlled suction regulator

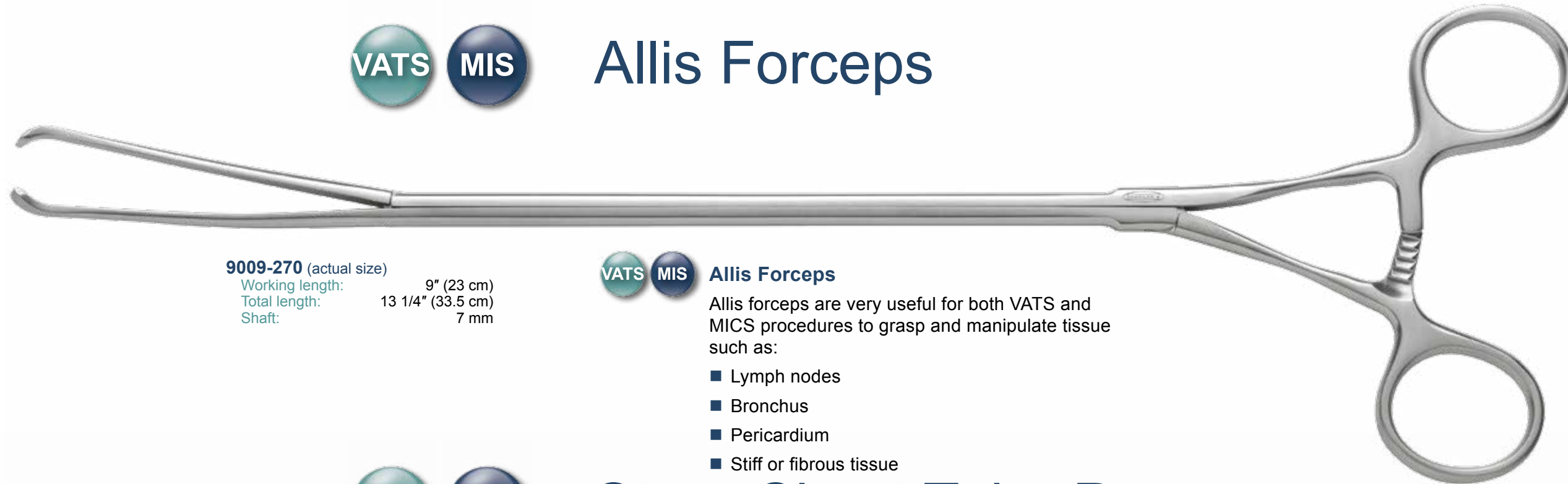
Variable Suction Regulator



Designed with a unique tear-shaped port. The variable suction regulator allows for variable suction control.



Allis Forceps



9009-270 (actual size)
 Working length: 9" (23 cm)
 Total length: 13 1/4" (33.5 cm)
 Shaft: 7 mm



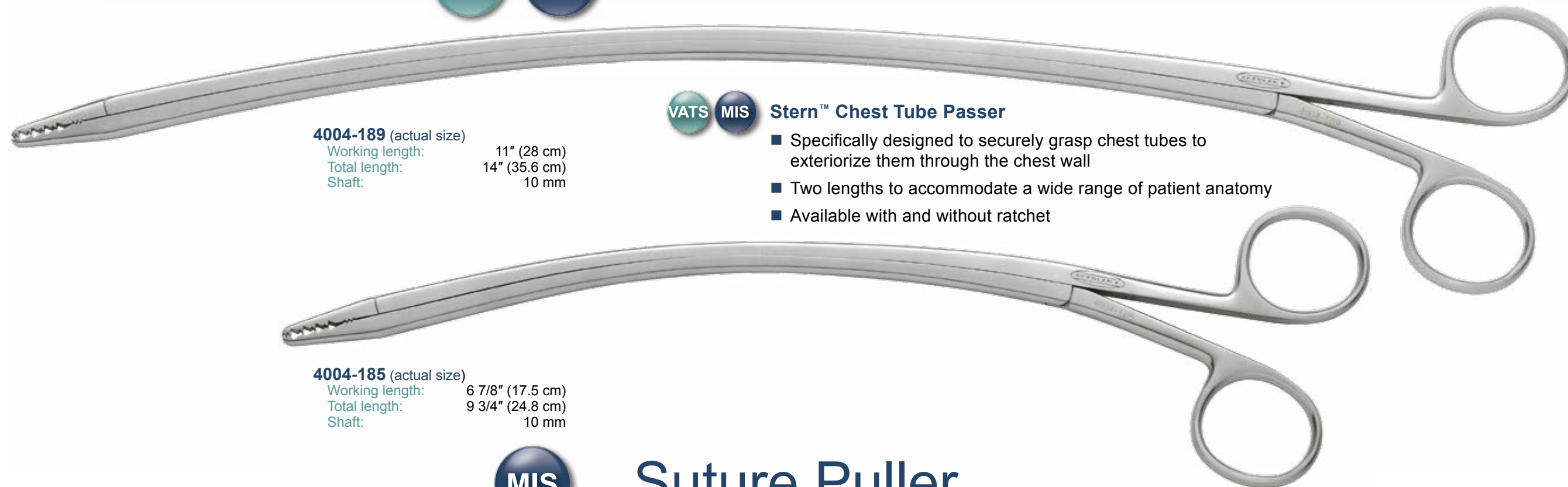
Allis Forceps

Allis forceps are very useful for both VATS and MICS procedures to grasp and manipulate tissue such as:

- Lymph nodes
- Bronchus
- Pericardium
- Stiff or fibrous tissue



Stern Chest Tube Passer



4004-189 (actual size)
 Working length: 11" (28 cm)
 Total length: 14" (35.6 cm)
 Shaft: 10 mm



Stern™ Chest Tube Passer

- Specifically designed to securely grasp chest tubes to exteriorize them through the chest wall
- Two lengths to accommodate a wide range of patient anatomy
- Available with and without ratchet

4004-185 (actual size)
 Working length: 6 7/8" (17.5 cm)
 Total length: 9 3/4" (24.8 cm)
 Shaft: 10 mm



Suture Puller



9009-816 (actual size)
 Working length: 7 1/2" (19 cm)
 Total length: 11 1/2" (29 cm)
 Shaft: 10 mm



Chitwood Suture Pullers

Developed in cooperation with W. Randolph Chitwood Jr., MD

- Used during MIS procedures to exteriorize pericardial sutures through the chest wall
- Selection of two sizes: 1.75 mm tapered tip for 4-0 and smaller suture, 3.1 mm tip for 2-0 and smaller suture



9009-270
 6 mm width jaws
 7 mm shaft



4004-185 (without ratchet)
4004-186 (with ratchet)
4004-189 (without ratchet)
 10 mm shaft



9009-816
 3.1 mm shaft tapered to a 1.75 mm tip



9009-820
 3.1 mm shaft and tip



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Modifications to an instrument design to meet your specific needs are available at the time of order. Some of the most common modifications requested are below and photographs of some modified instruments we have made are shown on this page.

Modifications to instruments are made at the time of order and modified instruments are firm sale.

Common modifications to customize an instrument include:

Jaw / Tip Modifications:

- Angle jaws / tips
- Angle and cut down jaws / tips
- Cut down jaws / tips

Scissor Blade Modifications:

- Cut down scissor blades
- Blunt tips on blades
- Sharpen tips on blades

Shank Modifications:

- Angle shanks up
- Angle shanks down

Ratchet Modifications:

- Remove all ratchets
- Remove partial ratchets
- Add ratchets

Length Modifications:

- Lengthen instrument
- Shorten instrument

Other Modifications:

- Modify tension
- Special etching

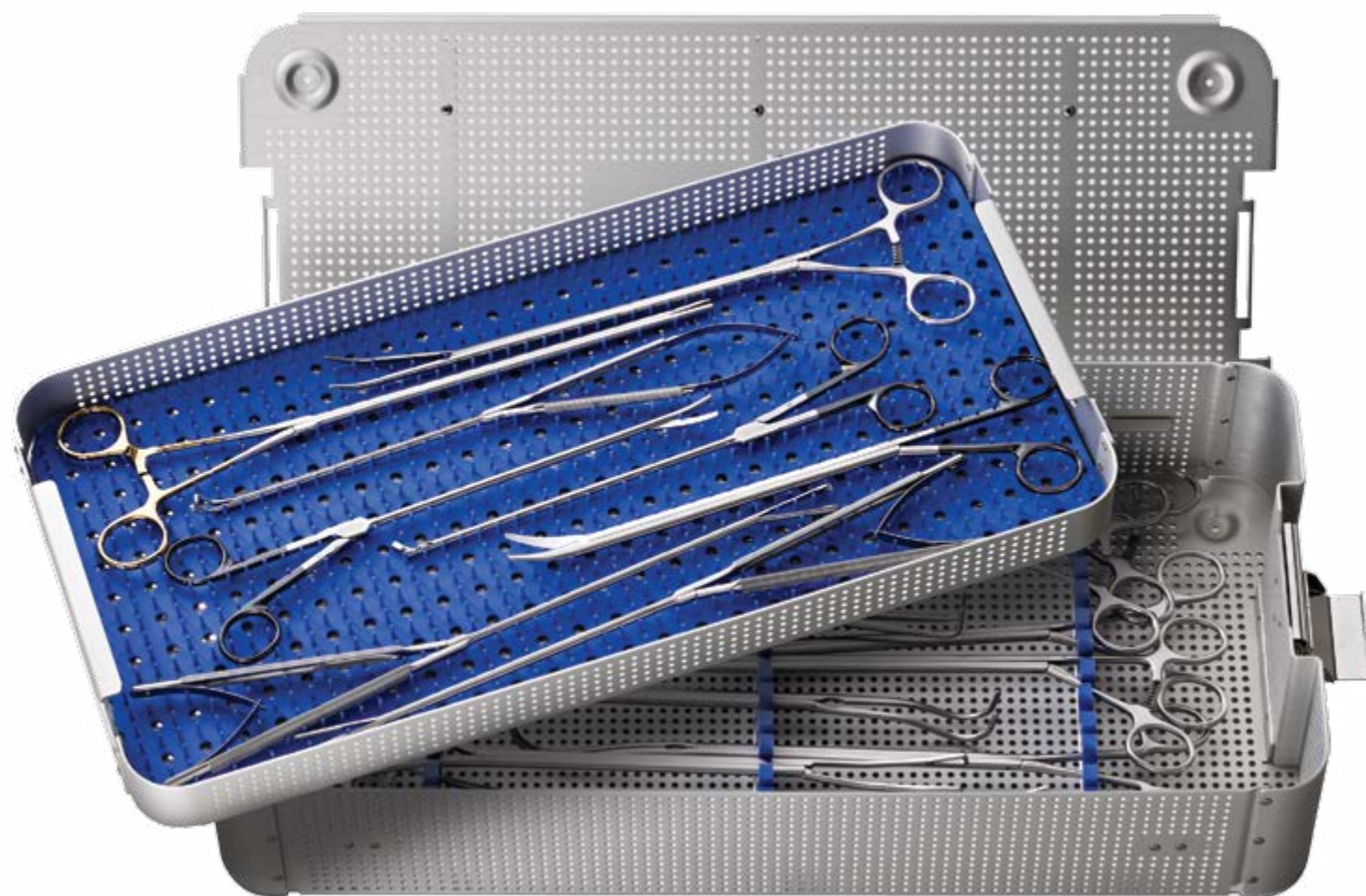


Example 1
9909-926
Modified to have Ratchets Removed



Example 2
9909-912-13
Modified to have Jaws Angled and
Shanks Angled Down

- Aluminum metal tray, silver-grey color
- Holds up to 20+ VATS / MIS instruments
- Full silicone mat on insert tray provides flexibility for positioning instruments in tray
- Recessed handle design is wrap-friendly and also makes it easier to stack trays in storage
- Single heavy duty, long-lasting ratchets on each side are glove-friendly and enable faster removal and securing of the lid
- Silicone inserts in base have multiple vertical slots specifically designed to layer VATS / MIS instruments. The alternating 5 and 10 mm vertical slots enable the maximum storage of VATS / MIS instruments.
- Sterilization: Conventional steam or Flash (immediate use) sterilization, Ethylene Oxide (ETO) and Plasma (gas) sterilization
- 10 1/4" W x 21 3/4" L x 4" H (26 cm x 55.2 cm x 10 cm)
- Firm sale



2146-03

- Aluminum metal tray, silver-grey color
- Holds up to 12 VATS / MIS instruments
- Silicone holders have multiple vertical slots that enable layering of instruments
- Sterilization: Conventional steam or Flash (immediate use) sterilization, Ethylene Oxide (ETO) and Plasma (gas) sterilization
- Heavy duty, long-lasting latches
- 10 1/4" W x 21" L x 2 1/2" H (26 cm x 53 cm x 6.4 cm)
- Firm sale



2145-03

- Aluminum metal tray, silver-grey color
- Holds up to 7 VATS / MIS instruments (tray depth not sufficient to accommodate full curved instruments such as Harkens)
- Full silicone mat on base
- 2" width silicone mat on cover provides an area that securely holds delicate tips or small instruments and accessories
- Sterilization: Steam (conventional or flash), ETO and Plasma compatible
- Heavy duty, long lasting latches
- 10" W x 15" L x 1 1/2" H (25.4 cm x 38 cm x 3.8 cm)
- Firm sale



2139-03



D'Amico Mediastinoscopy Biopsy Forceps

	Catalog Number	Description	Shaft	Working Length	Total Length
	9009-300	6 mm width oval ring jaw, with ratchet	7 mm	11" (28 cm)	15" (38 cm)
	9009-301	6 mm width oval ring jaw, without ratchet	7 mm	11" (28 cm)	15" (38 cm)
	9009-310	7 mm width oval cupped jaws, with ratchet	7 mm	11" (28 cm)	15" (38 cm)
	9009-311	7 mm width oval cupped jaws, without ratchet	7 mm	11" (28 cm)	15" (38 cm)



Lung Grasping Clamps, ring handle

	Catalog Number	Description	Shaft	Working Length	Total Length
	9009-226	Foerster Clamp, curved left, 12 mm oval ring jaws, with ratchet	7 mm	9 1/4" (23.5 cm)	13 1/4" (33.5 cm)
	9009-227	Thoracoscopic Foerster Clamp, ring handle, curved right (left-hand style), 12 mm oval ring jaws, with ratchet	7 mm	7 1/2" (19 cm)	11 1/2" (29 cm)
	9009-228	Thoracoscopic Foerster Clamp, ring handle, curved left 12 mm oval ring jaws, with ratchet	7 mm	7 1/2" (19 cm)	11 1/2" (29 cm)
	9909-920	Foerster Clamp, curved left, 20 mm oval ring jaws, with ratchet	10 mm	9 1/2" (24 cm)	13 1/4" (33.5 cm)
	9909-921	Foerster Clamp (10 mm), ring handle, curved right (left-hand style), 20 mm oval ring jaws, with ratchet	10 mm	7 1/2" (19 cm)	11 1/2" (29 cm)
	9909-922	Foerster Clamp (10 mm), ring handle, curved left 20 oval ring jaws, with ratchet	10 mm	7 1/2" (19 cm)	11 1/2" (29 cm)
	9909-923	Thoracoscopic Foerster Clamp, ring handle, deep curved left 20 mm oval ring jaws, with ratchet	10 mm	9 1/2" (24 cm)	13" (33 cm)
	9909-926	Duval Clamp, curved left, 1.0 cm width triangular ring jaws, with ratchet	10 mm	9 1/4" (23.5 cm)	13 1/2" (34 cm)
	9909-927	Duval Clamp, curved left, 2.5 cm width triangular ring jaws, with ratchet	10 mm	9 1/4" (23.5 cm)	13 1/2" (34 cm)



Node Graspers, ring handle (Not intended for use as a lung grasper)

	Catalog Number	Description	Shaft	Working Length	Total Length
	9009-222	Straight, 11 mm oblong ring jaws, with ratchet	5 mm	9" (23 cm)	13" (33 cm)
	9009-223	Curved left, 11 mm oblong ring jaws, with ratchet	5 mm	9" (23 cm)	13" (33 cm)
NEW	9009-225	Curved left, 11 mm oblong ring jaws, without ratchet	5 mm	9" (23 cm)	13" (33 cm)



D'Amico DeBakey Clamp, 1 x 2 DeBakey jaw, ring handle

	Catalog Number	Description	Shaft	Working Length	Total Length
NEW	9909-219	Curved left 11 cm jaws, without ratchet	10 mm	10" (25.4 cm)	14 1/2" (37 cm)
	9909-221	Curved left 11 cm jaws, with ratchet	10 mm	10" (25.4 cm)	14 1/2" (37 cm)
	9909-222	Straight, 11.5 cm jaws, with ratchet	10 mm	10 1/2" (27 cm)	14 3/4" (37.5 cm)



Dennis Dissector, ring handle

	Catalog Number	Description	Shaft	Working Length	Total Length
	9009-280	Curved left serrated jaws, with ratchet	7 mm	9" (23 cm)	13 1/4" (33.5 cm)
NEW	9009-281	Curved left serrated jaws, without ratchet	7 mm	9" (23 cm)	13 1/4" (33.5 cm)



Chitwood DeBakey Clamps, curved left jaw, ring handle

	Catalog Number	Description	Shaft	Working Length	Total Length
	9909-912	6.5 cm jaw length, 1 x 2 DeBakey jaw, with ratchet	10 mm	9" (23 cm)	12 3/4" (32.5 cm)
	9909-232	10 cm jaw length, 2 x 3 DeBakey jaw, with ratchet	10 mm	10" (25.4 cm)	14 1/4" (36 cm)
	9009-240	6 cm jaw length, 1 x 2 DeBakey jaw, with ratchet	5 mm	8 1/4" (21 cm)	12 1/4" (31 cm)
NEW	9009-241	6 cm jaw length, 1 x 2 DeBakey jaw, without ratchet	5 mm	8 1/4" (21 cm)	12 1/4" (31 cm)
	9909-912-13	10 cm jaw length, 1 x 2 DeBakey jaw, with ratchet	10 mm	10" (25.4 cm)	14 1/4" (36 cm)
NEW	9909-913	1x2 curved left Debakey jaws, 7 cm jaw length, angled shanks	10 mm	6 3/4" (17 cm)	9 3/4" (24.8 cm)
NEW	9909-914	1x2 curved left Debakey jaws, 7 cm jaw length, straight shanks	10 mm	6 3/4" (17 cm)	10 3/8" (26.4 cm)
NEW	9909-915	1x2 curved right Debakey jaws, 7 cm jaw length, straight shanks	10 mm	6 3/4" (17 cm)	10 3/8" (26.4 cm)



DeBakey Cooley Forceps, 90° angled jaws ("right angle"), ring handle

	Catalog Number	Description	Shaft	Working Length	Total Length
	9909-202	DeBakey Cooley jaws, with ratchet	10 mm	9 1/2" (24 cm)	13 1/2" (34 cm)
	9909-203	DeBakey Cooley jaws, without ratchet	10 mm	9 1/2" (24 cm)	13 1/2" (34 cm)



Gonalez-Rivas Dissector

	Catalog Number	Description	Shaft	Working Length	Total Length
NEW	9009-210	Mixer-style, 1x2 DeBakey jaws, with ratchet, ring handle	5 mm	7 1/2" (19 cm)	11 1/2" (29 cm)
NEW	9009-211	Mixer-style, 1x2 DeBakey jaws, without ratchet, ring handle	5 mm	7 1/2" (19 cm)	11 1/2" (29 cm)



Harken DeBakey Clamp, curved left 1 x 2 DeBakey jaw, ring handle

	Catalog Number	Description	Shaft	Working Length	Total Length
	9909-224	Harken #1, 9.5 cm jaws, without ratchet	10 mm	9 7/8" (24.8 cm)	14" (35.5 cm)
	9909-225	Harken #1, 9.5 cm jaws, with ratchet	10 mm	9 7/8" (24.8 cm)	14" (35.5 cm)
	9909-226	Harken #2, 9.5 cm jaws, without ratchet	10 mm	9 7/8" (24.8 cm)	14" (35.5 cm)
	9909-227	Harken #2, 9.5 cm jaws, with ratchet	10 mm	9 7/8" (24.8 cm)	14" (35.5 cm)



Scissors, SUPER CUT™, Black Platinum Ring Handle

	Catalog Number	Description	Shaft	Working Length	Total Length
*	9009-716SC	Straight fine blades, 1 cm blade length, blunt micro tips	5 mm	6 1/2" (16.5 cm)	10 1/2" (27 cm)
	9009-738SC	Chitwood Dissecting Scissors, curved blades, blunt tips, 3 cm blade length	5 mm	7 1/4" (18.5 cm)	11 1/2" (29 cm)
	9909-910SC	Metzenbaum Scissors, curved blades, blunt tips, 3.5 cm blade length	10 mm	7 3/4" (19.5 cm)	11 1/2" (29 cm)
NEW	9909-911SC	Metzenbaum Scissors, curved wide blades, blunt tips, 3.5 cm blade length	10 mm	7 3/4" (19.5 cm)	11 1/2" (29 cm)

* Custom made at time of order, firm sale



Forceps, Axial, Round Handle					
	Catalog Number	Description	Shaft	Working Length	Total Length
	9009-510	Resano multi-tooth jaws, 2.5 mm width, without ratchet	5 mm	8" (20 cm)	14 1/4" (36 cm)
	9009-511	Resano multi-tooth jaws, 2.5 mm width, with ratchet	5 mm	8" (20 cm)	14 1/4" (36 cm)
	9009-512	Russian jaws, 6 mm width, without ratchet	5 mm	8" (20 cm)	14 1/4" (36 cm)
	9009-513	Russian jaws, 6 mm width, with ratchet	5 mm	8" (20 cm)	14 1/4" (36 cm)
	9009-516	Platform DIAMOND DUST™ jaws, 2 mm width, without ratchet	5 mm	8" (20 cm)	14 1/4" (36 cm)
	9009-517	Platform DIAMOND DUST™ jaws, 2 mm width, with ratchet	5 mm	8" (20 cm)	14 1/4" (36 cm)
	9009-520	DeBakey jaws, 1.5 mm width, without ratchet	5 mm	8" (20 cm)	14 1/4" (36 cm)
	9009-521	DeBakey jaws, 1.5 mm width, with ratchet	5 mm	8" (20 cm)	14 1/4" (36 cm)
	9009-522	DeBakey jaws, 2.5 mm width, without ratchet	5 mm	8" (20 cm)	14 1/4" (36 cm)
	9009-523	DeBakey jaws, 2.5 mm width, with ratchet	5 mm	8" (20 cm)	14 1/4" (36 cm)
	9009-524	DeBakey jaws, 3.5 mm width, without ratchet	5 mm	8" (20 cm)	14 1/4" (36 cm)
	9009-525	DeBakey jaws, 3.5 mm width, with ratchet	5 mm	8" (20 cm)	14 1/4" (36 cm)
NEW	9009-528	DeBakey jaws, 2.5 mm width, without ratchet	5 mm	6 1/4" (16 cm)	12 1/2" (32 cm)

* Custom made at time of order, firm sale



Forceps, Jacobson Style, Round Handle					
	Catalog Number	Description	Shaft	Working Length	Total Length
	9009-420	DeBakey jaws, 1 mm width, without ratchet	5 mm	7 3/4" (19.5 cm)	16" (41 cm)
	9009-422	DeBakey jaws, 2 mm width, without ratchet	5 mm	7 3/4" (19.5 cm)	16" (41 cm)



Needle Holders, Jacobson Style, Round Handle					
	Catalog Number	Description	Shaft	Working Length	Total Length
	9009-648	Straight DIAMOND DUST™ jaws, with ratchet, (recommended suture size 5-0 and smaller)	5 mm	6 1/2" (16.5 cm)	15 3/8" (38.5 cm)
*	9009-650	Curved left DIAMOND DUST™ jaws, with ratchet, (recommended suture size 5-0 and smaller)	5 mm	6 1/2" (16.5 cm)	15 3/8" (38.5 cm)



Needle Holders, Ring Handle					
	Catalog Number	Description	Shaft	Working Length	Total Length
	9009-618	Straight fine DIAMOND DUST™ jaws, with ratchet, (recommended suture size 5-0 and smaller)	5 mm	6 1/2" (16.5 cm)	10 1/2" (27 cm)
NEW	9009-636	Straight carbon-inlay jaws, gold ring handle, with ratchet, (recommended suture size 4-0 and smaller)	7 mm	6 1/4" (16 cm)	11 1/4" (28.5 cm)
NEW	9009-637	Curved carbon-inlay jaws, gold ring handle, with ratchet, (recommended suture size 4-0 and smaller)	7 mm	6 1/4" (16 cm)	11 1/4" (28.5 cm)
NEW	9009-638	Straight carbon-inlay jaws, gold ring handle, with ratchet, (recommended suture size 2-0 and smaller)	7 mm	6 1/4" (16 cm)	11 1/4" (28.5 cm)
NEW	9009-639	Curved carbon-inlay jaws, gold ring handle, with ratchet, (recommended suture size 2-0 and smaller)	7 mm	6 1/4" (16 cm)	11 1/4" (28.5 cm)
	9009-640	Straight carbon-inlay jaws, gold ring handle, with ratchet, (recommended suture size 4-0 and smaller)	7 mm	8 1/2" (21.5 cm)	13 1/2" (34 cm)
	9009-642	Curved carbon-inlay jaws, gold ring handle, with ratchet, (recommended suture size 4-0 and smaller)	7 mm	8 1/2" (21.5 cm)	13 1/2" (34 cm)
	9909-610	Straight carbon-inlay jaws, gold ring handle, with ratchet, (recommended suture size 2-0 and smaller)	10 mm	8 1/4" (21 cm)	13 1/2" (34 cm)
	9909-612	Curved carbon-inlay jaws, gold ring handle, with ratchet, (recommended suture size 2-0 and smaller)	10 mm	8 1/4" (21 cm)	13 1/2" (34 cm)



Needle Holders, Axial Handle					
	Catalog Number	Description	Shaft	Working Length	Total Length
	9009-540	Straight DIAMOND DUST™ jaws, without ratchet, (recommended suture size 7-0 and smaller)	5 mm	8" (20 cm)	14 3/8" (36.5 cm)
	9009-541	Straight DIAMOND DUST™ jaws, with ratchet, (recommended suture size 7-0 and smaller)	5 mm	8" (20 cm)	14 3/8" (36.5 cm)
	9009-542	Curved DIAMOND DUST™ jaws, without ratchet, (recommended suture size 7-0 and smaller)	5 mm	8" (20 cm)	14 3/8" (36.5 cm)
	9009-543	Curved DIAMOND DUST™ jaws, with ratchet, (recommended suture size 7-0 and smaller)	5 mm	8" (20 cm)	14 3/8" (36.5 cm)
	9009-550	Straight DIAMOND DUST™ jaws, without ratchet, (recommended suture size 5-0 and smaller)	6 mm	8" (20 cm)	14 3/8" (36.5 cm)
	9009-551	Straight DIAMOND DUST™ jaws, with ratchet, (recommended suture size 5-0 and smaller)	6 mm	8" (20 cm)	14 3/8" (36.5 cm)
	9009-552	Curved DIAMOND DUST™ jaws, without ratchet, (recommended suture size 5-0 and smaller)	6 mm	8" (20 cm)	14 3/8" (36.5 cm)
	9009-553	Curved DIAMOND DUST™ jaws, with ratchet, (recommended suture size 5-0 and smaller)	6 mm	8" (20 cm)	14 3/8" (36.5 cm)
	9009-560	Straight carbon-inlay jaws, without ratchet, gold-tipped handle, (recommended suture size 4-0 and smaller)	7 mm	8" (20 cm)	14 3/8" (36.5 cm)
	9009-561	Straight carbon-inlay jaws, with ratchet, gold-tipped handle, (recommended suture size 4-0 and smaller)	7 mm	8" (20 cm)	14 3/8" (36.5 cm)
	9009-562	Curved carbon-inlay jaws, without ratchet, gold-tipped handle, (recommended suture size 4-0 and smaller)	7 mm	8" (20 cm)	14 3/8" (36.5 cm)
	9009-563	Curved carbon-inlay jaws, with ratchet, gold-tipped handle, (recommended suture size 4-0 and smaller)	7 mm	8" (20 cm)	14 3/8" (36.5 cm)
	9009-570	Straight carbon-inlay jaws, without ratchet, gold-tipped handle, (recommended suture size 2-0 and smaller)	7 mm	8" (20 cm)	14 3/8" (36.5 cm)
	9009-571	Straight carbon-inlay jaws, with ratchet, gold-tipped handle, (recommended suture size 2-0 and smaller)	7 mm	8" (20 cm)	14 3/8" (36.5 cm)
	9009-572	Curved carbon-inlay jaws, without ratchet, gold-tipped handle, (recommended suture size 2-0 and smaller)	7 mm	8" (20 cm)	14 3/8" (36.5 cm)
	9009-573	Curved carbon-inlay jaws, with ratchet, gold-tipped handle, (recommended suture size 2-0 and smaller)	7 mm	8" (20 cm)	14 3/8" (36.5 cm)



Chitwood Knot Pusher, Jacobson Style, Round Handle					
	Catalog Number	Description	Shaft	Working Length	Total Length
	9009-827-11	Pediatric, Mini "Trap Model," (for 4-0 and smaller suture)	5 mm	5 1/8" (13 cm)	11" (28 cm)
	9009-827-12	Mini "Trap Model," (for 4-0 and smaller suture)	5 mm	5 1/2" (14 cm)	12" (30.5 cm)
	9009-828	Original "Trap Model," (for 2-0 and smaller suture)	5 mm	6 1/8" (15.5 cm)	12 1/2" (32 cm)
	9009-828-16	Original "Trap Model," (for 2-0 and smaller suture)	5 mm	7 1/4" (18.5 cm)	15 3/4" (40 cm)



Chitwood Super Cut™ Suture Cutter, Black Platinum Ring Handle					
	Catalog Number	Description	Shaft Diameter	Working Length	Total Length
	9009-838SC	"Trap Model," (for 2-0 and smaller suture)	5 mm	7" (18 cm)	11" (28 cm)
	9009-840SC	"Trap Model," (for 2-0 and smaller suture)	5 mm	9" (23 cm)	13" (33 cm)
	9009-842SC	"Trap Model," (for 2-0 and smaller suture)	5 mm	11" (28 cm)	15" (38 cm)



Suction Instruments, Wolf					
	Catalog Number	Description	Shaft Diameter	Working Length	Total Length
	9009-908	Pediatric, Curved blunt tip, 6 mm width	3.2 mm	6 3/4" (17 cm)	12 1/4" (31 cm)
	9009-909	Pediatric, Variable suction, curved blunt tip, 6 mm width	3.2 mm	6 3/4" (17 cm)	12 1/4" (31 cm)
	9009-910	Curved blunt tip, 6 mm width	3.2 mm	8 3/4" (22 cm)	14 1/4" (36 cm)
	9009-911	Variable suction, curved blunt tip, 6 mm width	3.2 mm	8 3/4" (22 cm)	14 1/4" (36 cm)



Suction Instruments, Dennis					
	Catalog Number	Description	Shaft Diameter	Working Length	Total Length
	9009-914	Curved blunt tip, 7.5 mm width	5 mm	8 3/4" (22 cm)	14 1/4" (36 cm)
	9009-915	Variable suction, Curved blunt tip, 7.5 mm width	5 mm	8 3/4" (22 cm)	14 1/4" (36 cm)
	9009-916	Curved blunt tip, 7.5 mm width	5 mm	12 1/2" (32 cm)	17 3/4" (45.5 cm)
	9009-917	Variable suction, Curved blunt tip, 7.5 mm width	5 mm	12 1/2" (32 cm)	17 3/4" (45.5 cm)



Suction Instruments, D'Amico					
	Catalog Number	Description	Shaft Diameter	Working Length	Total Length
	9009-900	Straight blunt tip, 5 mm width	5 mm	12 1/2" (32 cm)	17 3/4" (45.5 cm)
	9009-901	Variable suction, straight blunt tip, 5 mm width	5 mm	12 1/2" (32 cm)	17 3/4" (45.5 cm)
	9009-920	Straight blunt tip (for decortication), 10 mm width	10 mm	12 1/2" (32 cm)	17 3/4" (45.5 cm)
	9009-921	Variable suction, straight blunt tip (for decortication), 10 mm width	10 mm	12 1/2" (32 cm)	17 3/4" (45.5 cm)

Suction Accessories

	Catalog Number	Description	Shaft Diameter	Working Length	Total Length
	9009-905	Brush set, pack of 10, for D'Amico, Wolf, Dennis suction instruments	—	—	19" (48.3 cm)
	9009-922	Brush set, pack of 10, for 10 mm D'Amico suction instruments	—	—	19" (48.3 cm)



Allis Forceps, ring handle

	Catalog Number	Description	Shaft	Working Length	Total Length
	9009-270	Curved left 6 mm width jaws, with ratchet	7 mm	9" (23 cm)	13 1/4" (33.5 cm)



Stern™ Chest Tube Passer, ring handle

	Catalog Number	Description	Shaft	Working Length	Total Length
	4004-185	Without ratchet	10 mm	6 7/8" (17.5 cm)	9 3/4" (24.8 cm)
	4004-186	With ratchet	10 mm	6 7/8" (17.5 cm)	9 3/4" (24.8 cm)
	4004-189	Without ratchet	10 mm	11" (28 cm)	14" (35.6 cm)



Chitwood Suture Puller

	Catalog Number	Description	Shaft Diameter	Working Length	Total Length
	9009-816	Straight 1.75 mm tip	3.1 mm	7 1/2" (19 cm)	11 1/2" (29 cm)
	9009-820	Straight 3.1 mm tip	3.1 mm	7 1/2" (19 cm)	11 1/2" (29 cm)

* Custom made at time of order, firm sale
** Firm sale



Instrument Metal Sterilization Tray, silver-gray color, aluminum

	**	2139-03	10" W x 15" L x 1 1/2" H (25.4 cm x 38 cm x 3.8 cm), Full silicone mat on base, partial mat on cover, Holds up to 7 VATS / MIS instruments, firm sale
	**	2145-03	10 1/2" W x 21" L x 2 1/2" H (27 cm x 53 cm x 6.4 cm), Holds up to 12 VATS / MIS instruments, firm sale
NEW	**	2146-03	10 1/4" W x 21 3/4" L x 4" H (26 cm x 55.2 cm x 10 cm), Additional tray insert with full silicone mat, holds 20+ VATS / MIS instruments, firm sale



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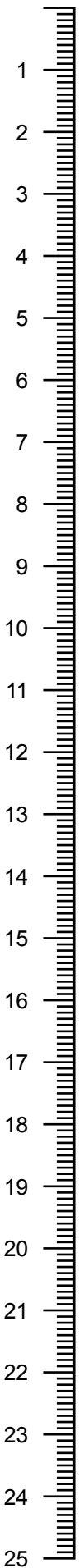


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Thoracoscopic Minimally Invasive Instruments



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