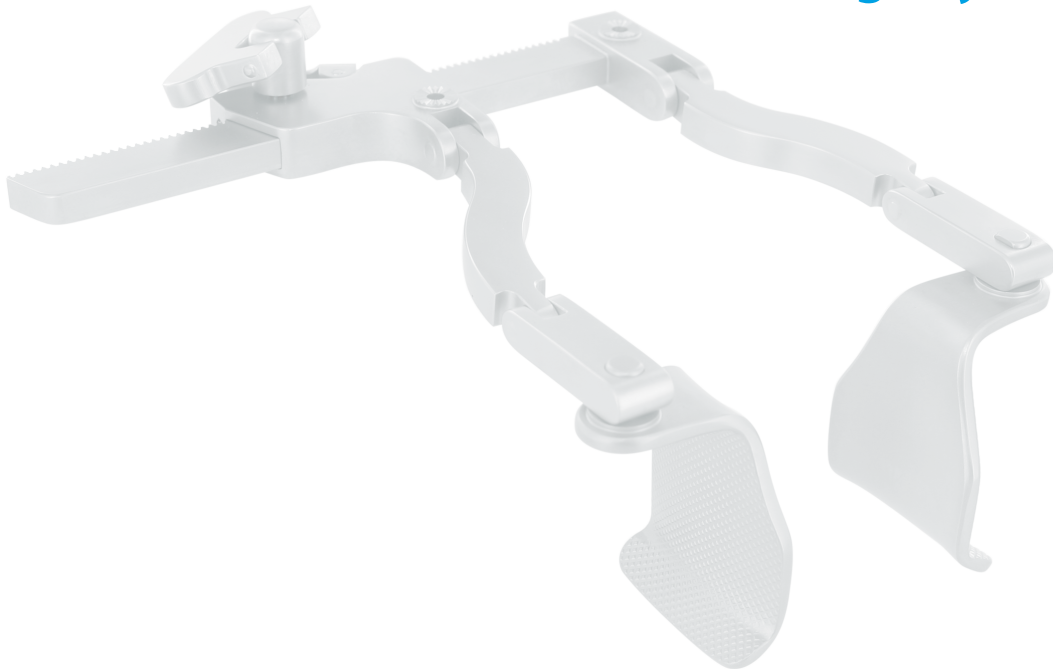


NEW



Minimal Access Aortic Surgery

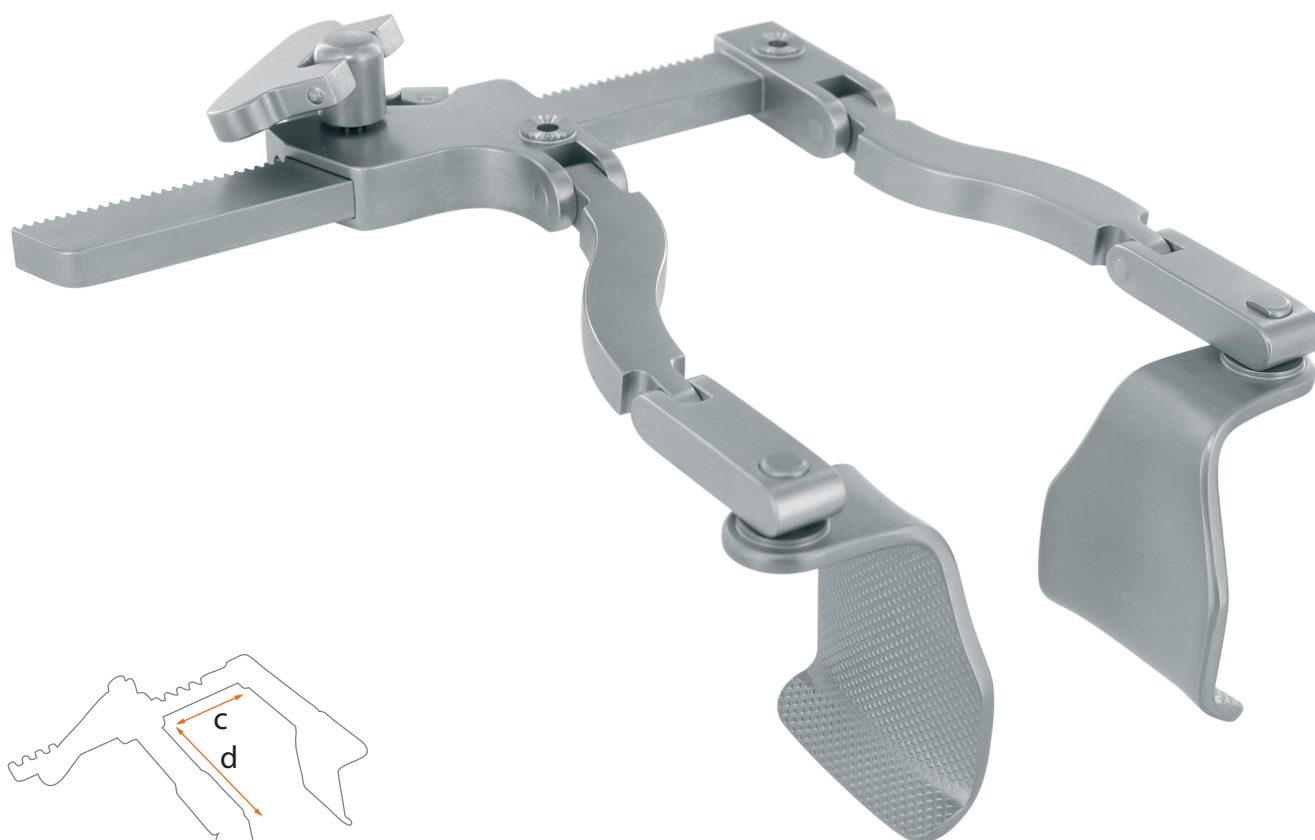


Prof. Tristan D. Yan's Instrument Set

DC82160-00

NEW

Delacroix-Chevalier
Exclusive

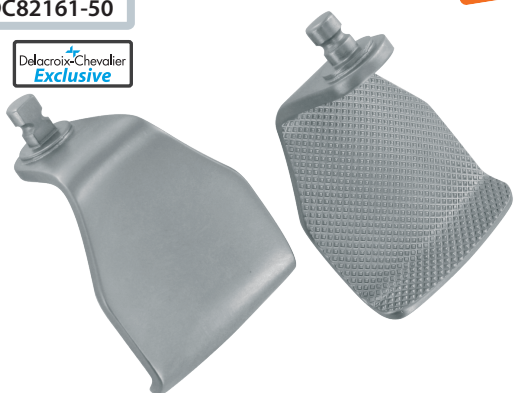


DC82161-30

DC82161-40

DC82161-50

Delacroix-Chevalier
Exclusive



NEW



Yan Mini-Access Retractor - c: 108mm d: 96mm

- ✳ This retractor has an innovative ultra-low-profile design
- ✳ It is ideal for both mini-sternotomy and mini-thoracotomy approaches
- ✳ Short rack and hinged arms allow the retractor to hug the chest wall unobtrusively
- ✳ Handle can be detached easily to avoid catching sutures
- ✳ Specifically designed retractor blades have three main advantages:
 - Textured surfaces firmly align with the edges of the sternum without slippage
 - Trapezoidal design reduces skin tension while allowing maximal opening
 - Unique latch system avoids blade rotation and allows interchangeable blades
 - DC82161-30: Width: 36mm - Depth: 30mm
 - DC82161-40: Width: 36mm - Depth: 40mm
 - DC82161-50: Width: 36mm - Depth: 50mm

DC82160-00 is provided with these three pairs of blades

Developed jointly with **Prof. Tristan D. Yan**, this set of instruments is specifically designed for Minimal Access Aortic Valve Surgery and Aortic Surgery, while being compatible with both mini-sternotomy and mini-thoracotomy approaches.

With a long-standing tradition, Delacroix-Chevalier craftsmanship delivers the finest quality surgical instruments with low-profile and ergonomic design, thus achieving the ultimate tactile control and surgical precision.

DC81330-01



MIS Scalpel Blade Handle - Adjustable Length: from 180mm to 250mm

- ✳ Ideal for skin incision and annular decalcification
- ✳ Adjustable length with swivel lock enabling the scalpel to reach the left ventricular outflow tract
- ✳ Compatible with the following blade sizes

Blade Model	Reference
10	B130100
11P	B13011P
12	B130120
15S	B13015S
18	B130180
19	B130190



DC33010-25



Mammary Artery Protector - 230mm

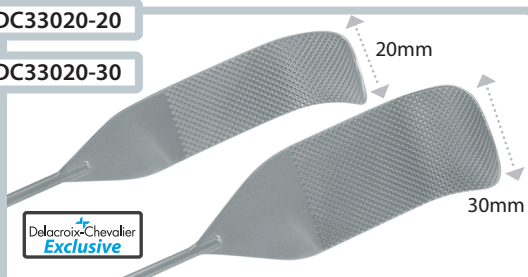
- ✳ This retractor is designed to protect the mammary artery during mini-sternotomy
- ✳ As the tip of the retractor is positioned in the para-sternal space, the Kocher portion retracts subcutaneous tissue laterally, while the tip would prevent direct contact between the sternal saw and the mammary artery



NEW

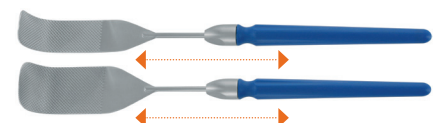
DC33020-20

DC33020-30



Hand-held Aortic Retractors - Adjustable Length: from 230mm to 300mm

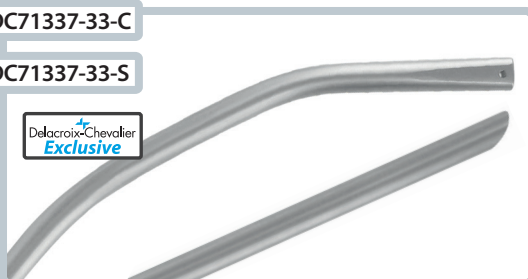
- ✳ Malleable blades for retracting the ascending aorta externally
- ✳ Atraumatic low-profile design for retracting the aortic wall from the inside
- ✳ Textured surface for optimal gripping capability
- ✳ Adjustable length with swivel locking mechanism
- ✳ Two different sizes available:
 - Width: 20mm - Length: 230 to 300mm
 - Width: 30mm - Length: 230 to 300mm



NEW

DC71337-33-C

DC71337-33-S



MIS Suction Handles - 260mm

- ✳ Double-curved design with flat suction tip to fit into narrow spaces
- ✳ Straight design with a beveled tip to effectively remove calcified debris from the aortic annulus



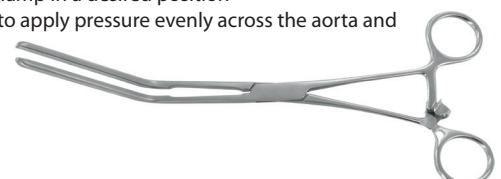
NEW

DC40087-26



Atraumatic Aortic Cross Clamp - 260mm

- ✳ Refined one-by-multiple ratchet for gradual and controlled clamping motion
- ✳ New flip lock system to fix the clamp in a desired position
- ✳ Atraumatic 3 x 2 DeBakey jaws to apply pressure evenly across the aorta and reduce crush injury



NEW

Prof. Tristan D. Yan's Instrument Set

DC13030-21S

DC13030-24S

Delacroix-Chevalier
Exclusive



Hybrid Aortic Forceps - 210mm and 240mm

NEW

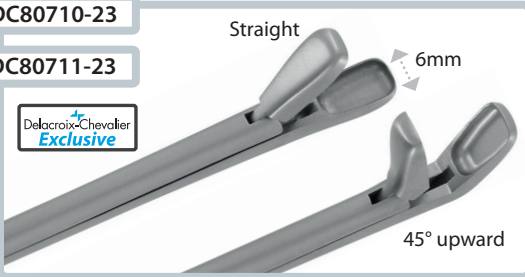
- ✳ Hybrid design with fusion of DeBakey and Resano jaws
- ✳ Short segment of distal Resano jaws provide a secure grasp on calcified tissue
- ✳ Atraumatic DeBakey jaws allow precise needle handling
- ✳ With the robust SuperGrip handle, the force applied by the fingers is transmitted directly to the distal jaws



DC80710-23

DC80711-23

Delacroix-Chevalier
Exclusive



Broad Aortic Valve Rongeurs - 230mm

NEW

- ✳ Straight and 45° upper-cut models ideal for mini-access approach
- ✳ Customized Rongeurs with broad "corn kernel" shaped jaws for efficient decalcification



DC21120-22

Delacroix-Chevalier
Exclusive



Aortic Leaflets Supercut Scissors - 220mm

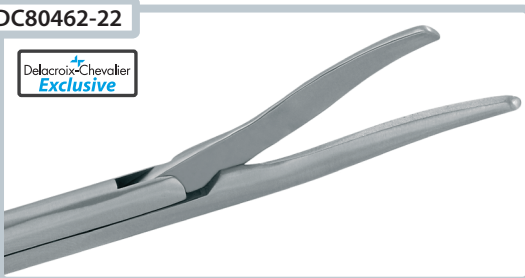
NEW

- ✳ Streamlined curvature design to accommodate the scallop-shaped annulus
- ✳ Robust Supercut scissors with one blade having a razor sharp cutting edge and the other having a fine serrated edge to achieve a clean cut without pinching or slipping off tissue, ideal for heavily calcified tissue



DC80462-22

Delacroix-Chevalier
Exclusive



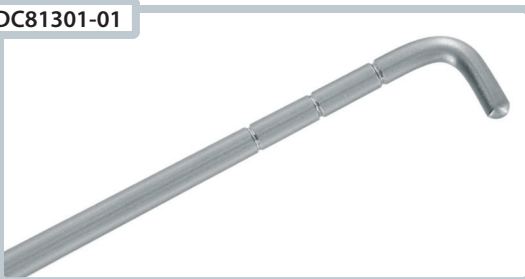
MIS Single Shaft Supercut Scissors - 220mm

NEW

- ✳ Low-profile single-shaft scissors for mini-access approach
- ✳ Streamlined curvature design to accommodate the scallop-shaped annulus
- ✳ Refined Supercut scissors with one blade having razor sharp cutting edge and the other having fine serrated edge to achieve clean cut without pinching or slipping off tissue



DC81301-01



MIS Suture Hook - Adjustable Length: from 200mm to 270mm

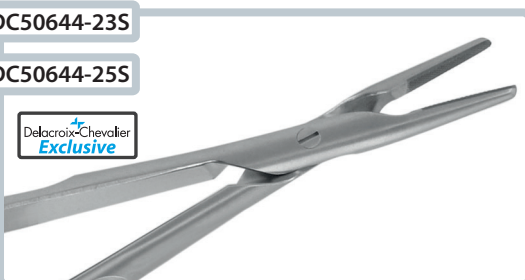
- ✳ Adjustable length with swivel lock for tightening a suture at various depths
- ✳ Groove marking every 5mm distally to be used as a ruler



DC50644-23S

DC50644-25S

Delacroix-Chevalier
Exclusive



Yan SuperGrip Needle Holders - 230mm and 250mm

NEW

- ✳ Robust spring action needle holders are essential for mini-access aortic surgery
- ✳ Tungsten jaws provide a secure grip on the needle even through a calcified annulus
- ✳ Ergonomic SuperGrip handle design reduces stress on the hand and wrist
- ✳ Round handles enable precise finger-tip rotational control over wrist control
- ✳ Suitable for both right handed and left handed surgeons
- ✳ Suitable for 5-0 to 2-0 needles



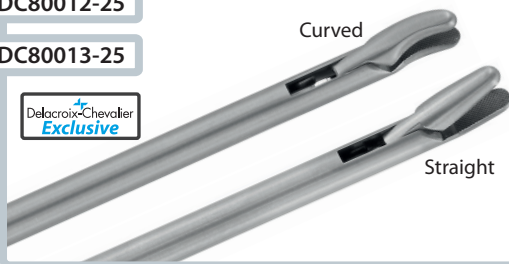
DC80012-25

DC80013-25

Delacroix-Chevalier
Exclusive

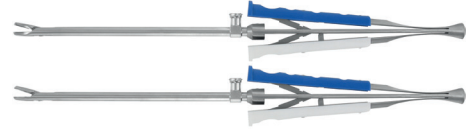
Curved

Straight



MIS Single Shaft Needle Holders - 250mm

- ✦ Single shafted design for minimal access approaches, especially for the small annulus
- ✦ Tungsten jaws for a secure grip on the needle even through a calcified annulus
- ✦ Customized for both mini-sternotomy and mini-thoracotomy approaches
- ✦ Specifically reduced shaft length to optimize precision of needle movement
- ✦ Suitable for 5-0 to 2-0 needles



DC12550-24S

Delacroix-Chevalier
Exclusive



SuperGrip Micro Forceps - 240mm

- ✦ 2.6mm DeBakey jaws for an atraumatic grasp of tissue and fine needle transfer
- ✦ Ergonomic round-handle design for smooth finger-tip rotational control



NEW

DC50203-23S

Delacroix-Chevalier
Exclusive



Fine SuperGrip Micro Needle Holder - 230mm

- ✦ Refined Diamond Dust jaws for a secure and atraumatic grip on the needle
- ✦ Ergonomic round-handle design to facilitate precise finger-tip rotational control
- ✦ Suitable for 8-0 to 5-0 needles



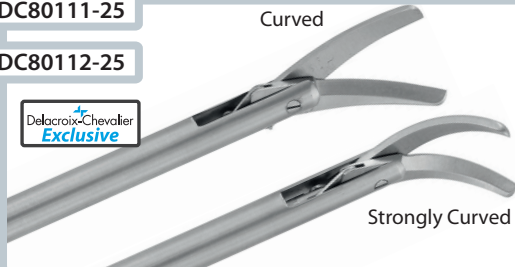
DC80111-25

DC80112-25

Delacroix-Chevalier
Exclusive

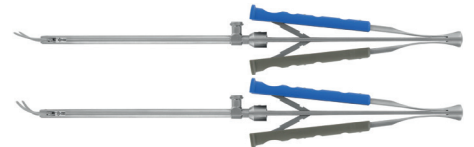
Curved

Strongly Curved



MIS Single Shaft Curved Scissors - 250mm

- ✦ Customized for both mini-sternotomy and mini-thoracotomy approaches
- ✦ Designed for aortic leaflet resection and coronary button mobilization
- ✦ Reduced spring action force for superior balance and tactile feedback



DC80419-36

DC80420-24



Chest Tube Passer - 240mm and 355mm

- ✦ Strong grasping jaws
- ✦ To deliver chest drain tubes



DC71710-50

Delacroix-Chevalier
Exclusive



Finger-Extension Knot Pusher - 50mm

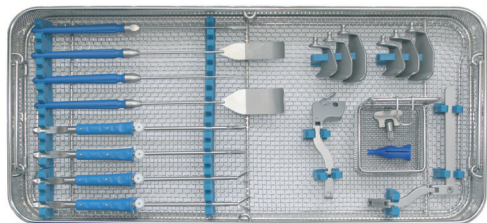
- ✦ Simple extension by one-phalanx length to reach the annulus or pulmonary vein
- ✦ Single-surgeon-operating design, without requiring an assistant's help
- ✦ Low-profile distal portion to reach confined area when tying annular sutures



NEW

Prof. Tristan D. Yan's Instrument Set

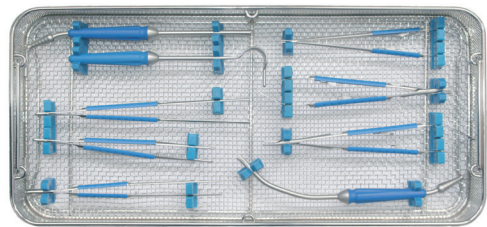
DC81912-01



Sterilization Trays for Prof. Yan's Instrument Set - 540x250x70mm

- ✳ Ensures the safety of your instruments during transportation, cleaning and sterilization
- ✳ Recommended to maintain the high level performances of Prof. Yan's instrument set
- ✳ Provided with lid and silicone brackets

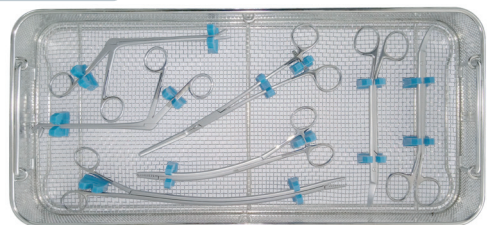
DC81912-02



Sterilization Trays for Prof. Yan's Instrument Set - 540x250x70mm

- ✳ Ensures the safety of your instruments during transportation, cleaning and sterilization
- ✳ Recommended to maintain the high level performances of Prof. Yan's instrument set
- ✳ Provided with lid and silicone brackets

DC81912-03



Sterilization Trays for Prof. Yan's Instrument Set - 540x250x70mm

- ✳ Ensures the safety of your instruments during transportation, cleaning and sterilization
- ✳ Recommended to maintain the high level performances of Prof. Yan's instrument set
- ✳ Provided with lid and silicone brackets

Prof. Tristan D. Yan's Recommended Set

Surgical Approach and Aortic Valve Exposure



DC82160-00: Yan Mini-Access Retractor



DC81330-01: Scalpel Blade Handle - From 180 to 250mm



DC33010-25: Mammary Artery Protector - 230mm



DC33020-20: Narrow Hand-held Aortic Retractor - From 230 to 300mm



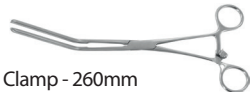
DC33020-30: Broad Hand-held Aortic Retractor - From 230 to 300mm



DC71337-33-S: MIS Straight Sucker - 260mm



DC71337-33-C: MIS Curved Sucker - 260mm



DC40087-26: Atraumatic Aortic Cross Clamp - 260mm

Aortic Valve and Aortic Replacement



DC13030-21S: Strong Hybrid Forceps - 210mm



DC13030-24S: Strong Hybrid Forceps - 240mm



DC80710-23: Straight Aortic Valve Rongeur - 230mm



DC80711-23: 45° Upper-cut Aortic Valve Rongeur - 230mm



DC21120-22: Aortic Leaflets Supercut Scissors - 220mm



DC80462-22: Single Shaft Supercut Scissors - 220mm



DC81301-01: MIS Suture Hook - From 200 to 270mm



DC50644-23S: Yan Heavy Style SuperGrip Needle Holder - 230mm



DC50644-25S: Yan Heavy Style SuperGrip Needle Holder - 250mm



DC80012-25: MIS Curved Needle Holder - 250mm



DC80013-25: MIS Straight Needle Holder - 250mm



DC80419-36: Chest Tube Passer - 355mm



DC80420-24: Chest Tube Passer - 240mm



DC71710-50: Finger-Extension Knot Pusher - 50mm

Coronary Button Reimplantation



DC12550-24S: SuperGrip Micro Forceps - 240mm



DC50203-23S: Fine SuperGrip Micro Needle Holder - 230mm



DC80111-25: MIS Curved Scissors - 250mm



DC80112-25: MIS Strongly Curved Scissors - 250mm

Sterilization Trays



DC81912-01: Sterilization Trays - 540x250x70mm



DC81912-02: Sterilization Trays - 540x250x70mm



DC81912-03: Sterilization Trays - 540x250x70mm



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