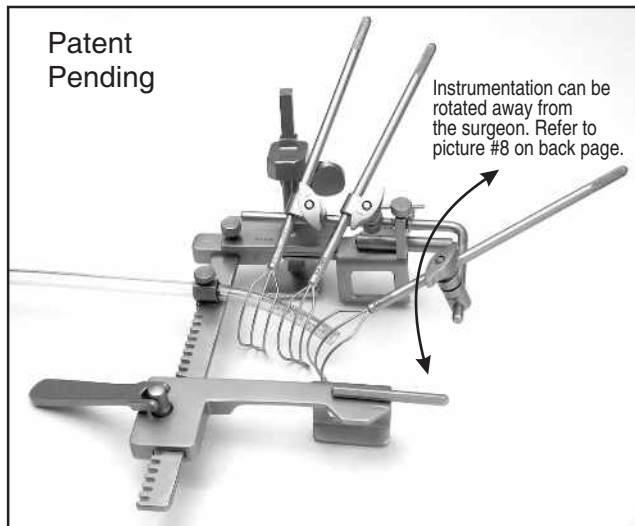


McCarthy Mini-Sternotomy Retractor with Universal Lift

INDICATIONS FOR USE:

Patrick McCarthy, MD, Chief of Cardiac Services, Northwestern Memorial Hospital designed the McCarthy Mini Sternotomy Retractor in conjunction with Kapp Surgical Instrument, Inc. This self-retaining retractor was designed to provide excellent exposure for a variety of valve operations, Maze procedure, or other intra cardiac procedures. It can also be used for mini sternotomy or coronary artery bypass operations or for mini sternotomy procedures depending upon the patient's size. The removable lift attachment allows for better exposure for valve procedures.



Patent Pending

Instrumentation can be rotated away from the surgeon. Refer to picture #8 on back page.

McCarthy Mini-Sternotomy Retractor (Complete set)
Cat.# KS-7600

View from right side of patient

McCarthy Mini-Sternotomy Retractor with Universal Lift

- A 5 inch modified chest spreader.
- Small but strong, with unique blades for ease of access retracting for either a proximal or distal mini-sternotomy procedure.
- Wire baskets are smaller and more malleable for better retraction allowing more surgical exposure.
- Optional CO₂ tubing clip can be attached at any point along the rear bar.

Patent Pending



Universal Lift
Cat.# KS-7650



View cephalad to the sternum

Universal Lift

The Universal Lift is placed on the sternal retractor arm that is attached to the patient's left side and is used to lift the left side of the patient's sternum.

The Lift acts as a jack to lift the patient's left chest approximately 1 to 2 inches, resulting in greater surgical exposure.



Chest Spreader Dual Bars
Cat.# KS-7603

Split Universal Clamp
Cat.# KS-8515

Universal Clamp
Cat.# KS-7105

Main Bracket
Cat.# KS-7604

Tube Holder
Cat.# KS-8518

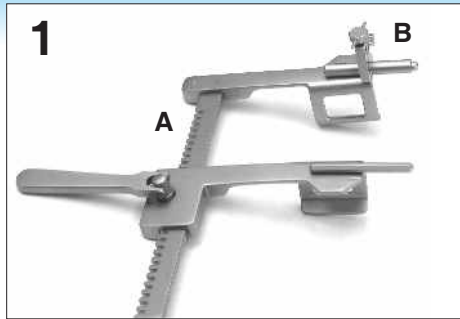
Right Angle Transverse Bar
Cat.# KS-7605

Large Wire Basket Retractor (Malleable)
Cat.# KS-7602

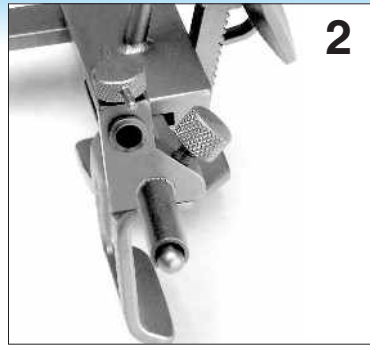
Small Wire Basket Retractor (Malleable)
Cat.# KS-7601

McCarthy Mini-Sternotomy Retractor

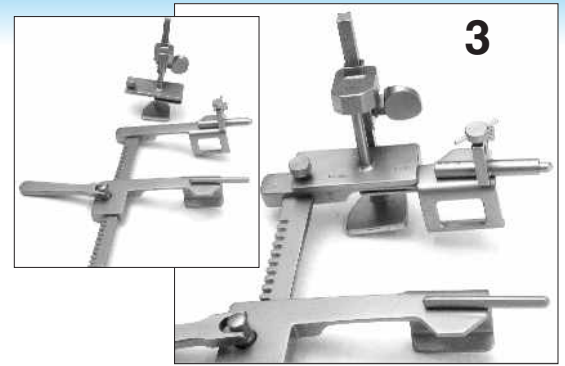
INSTRUCTIONS



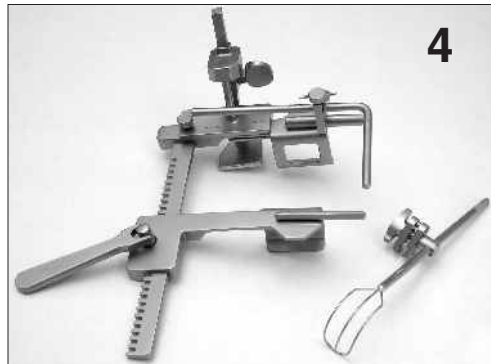
Picture #1 Position your chest spreader (A). Slide the Main Bracket (B) onto the chest spreader moving right to left.



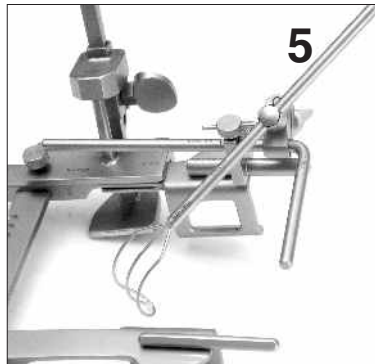
Picture #2 Main Bracket mounted on the chest spreader. Main Bracket must have screw facing outside of chest cavity.



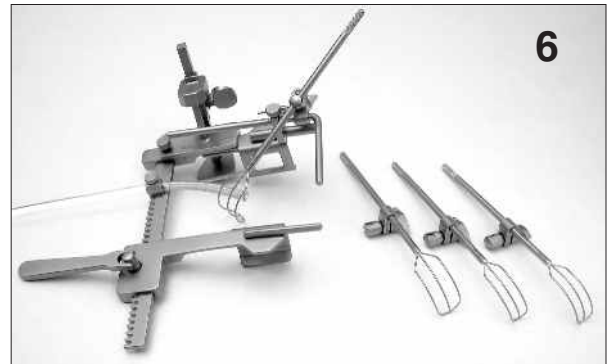
Picture #3 Universal Lift w/ Retractor. Lift is placed on the sternal retractor arm that is attached to the patient's left side and is used to lift the left side of the patient's sternum.



Picture #4 Right Angle Transverse Bar mounted in Main Bracket & optional Split Universal Clamp shown with retractor blade.

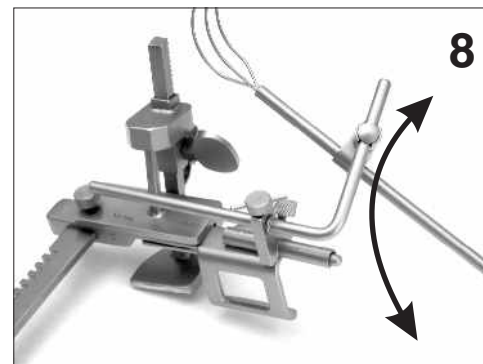
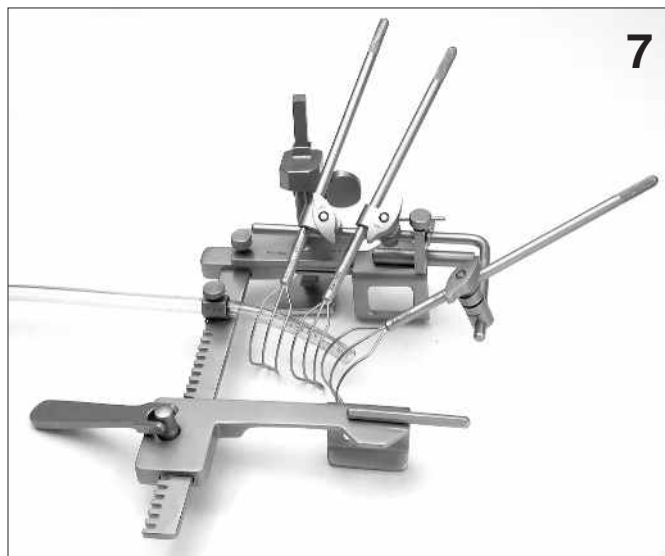


Picture #5 If desired, the Split Universal Clamp can be attached next to stop washer.



Picture #6 McCarthy Mini Retractor with blades and suction tubing shown.

Picture #7 Fully assembled McCarthy Mini Retractor.



Picture #8
Additional feature:
The Right Angle Transverse Bar can be rotated in an upward position away from the surgeon and the surgical site.

Caution: Nuts and screws are not removable.