

Valve XS

Instruments for Minimally Invasive Valve Surgery



Aesculap Surgical Specialties – Cardiothoracic

AESCULAP®

Valve XS

Instruments for Minimally Invasive Valve Surgery

Feel the Difference – The Aesculap Golfball Design

With its unique handling properties, the exclusive Aesculap golfball design is becoming more and more popular among cardiac surgeons.

Ergonomic and stable, the handle design helps to combat fatigue. The unique geometry of the handle grants a previously unattainable degree of freedom in instrument handling.

The handle components with their specially-treated surface, made of the high-performance polymer PEEK, lie securely in the surgeon's hand.



Unmistakable Identification – The Aesculap Color Code

The unique color coding helps you pick the right instrument.

The color coding enables you to identify the working end rapidly and reliably at a glance.

Blue:
Scissors

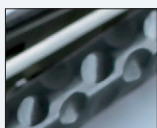




A Neat Affair – Cleaning Properties

- 1** All instruments with tubular shafts are equipped with a Luer lock connection for improved cleaning of internal surfaces.
- 2** Well designed open grooves at the end of the handle ensure optimal cleaning.
- 3** The handle component, made of the high-performance polymer PEEK, yields excellent cleaning and sterilization results.

Black:
Needleholders





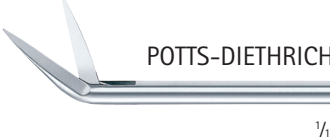



Green:
Forceps



Valve XS

Scissors

	Item No.	Version	Jaw Type	Working Length	Total Length	
	FC470R	Short	15° Curved, Double Action	7" (175 mm)	12 ³ / ₈ " (315 mm)	
	FC265R	Standard		9 ¹ / ₄ " (235 mm)	14 ¹ / ₂ " (370 mm)	
	FC370R	Long		11 ¹ / ₄ " (285 mm)	16 ¹ / ₂ " (420 mm)	
	FC471R	Short	30° Curved, Double Action	7" (175 mm)	12 ³ / ₈ " (315 mm)	
	FC266R	Standard		9 ¹ / ₄ " (235 mm)	14 ¹ / ₂ " (370 mm)	
	FC371R	Long		11 ¹ / ₄ " (285 mm)	16 ¹ / ₂ " (420 mm)	
	FC472R	Short	30° Curved, Single Action	6 ¹ / ₂ " (165 mm)	11 ³ / ₄ " (300 mm)	
	FC267R	Standard		8 ³ / ₄ " (220 mm)	14" (360 mm)	
	FC372R	Long		10 ¹ / ₂ " (270 mm)	16" (410 mm)	
	FC473R	Short	70° Curved, Double Action	7" (175 mm)	12 ¹ / ₄ " (310 mm)	
	FC268R	Standard		9" (230 mm)	14 ¹ / ₂ " (370 mm)	
	FC373R	Long		11" (280 mm)	16 ¹ / ₂ " (420 mm)	
	FC474R	Short	45° Angled, Single Action	6 ¹ / ₈ " (155 mm)	11 ⁵ / ₈ " (295 mm)	
	FC269R	Standard		8 ¹ / ₄ " (210 mm)	14" (355 mm)	
	FC374R	Long		10 ¹ / ₄ " (260 mm)	16" (405 mm)	
	FC475R	Short	125° Angled, Single Action	6" (150 mm)	11 ¹ / ₄ " (285 mm)	
	FC271R	Standard		8" (205 mm)	13 ¹ / ₂ " (345 mm)	
	FC375R	Long		10" (255 mm)	15 ¹ / ₂ " (395 mm)	



Blade Length	Shaft Diameter
15 mm	5 mm
15 mm	5 mm
10 mm	5 mm
15 mm	5 mm
13 mm	3.5 mm
8 mm	3.5 mm



FC470R - FC475R
Short Version






FC265R - FC271R
Standard Version

FC370R - FC375R
Long Version

Valve XS

Needleholders

with catch and Tungsten Carbide inserts

	Item No.	Version	Jaw Type	Recommended Suture Size	Working Length	Total Length
 1/1	FC478R	Short			6 ³ / ₄ " (170 mm)	12" (305 mm)
	FC275R	Standard	Straight	2/0, e.g. Premicon®*	9" (225 mm)	14 ³ / ₈ " (365 mm)
	FC378R	Long			10 ³ / ₄ " (275 mm)	16 ³ / ₈ " (415 mm)
 1/1	FC479R	Short			6 ³ / ₄ " (170 mm)	12" (305 mm)
	FC276R	Standard	Curved	2/0, e.g. Premicon®*	9" (225 mm)	14 ³ / ₈ " (365 mm)
	FC379R	Long			10 ³ / ₄ " (275 mm)	16 ³ / ₈ " (415 mm)
 1/1	FC480R	Short			6 ³ / ₄ " (170 mm)	12" (305 mm)
	FC277R	Standard	Curved	2/0, e.g. Premicon®*	9" (225 mm)	14 ³ / ₈ " (365 mm)
	FC380R	Long			10 ³ / ₄ " (275 mm)	16 ³ / ₈ " (415 mm)
 "RYDER type" 1/1	FC481R	Short			6 ³ / ₄ " (170 mm)	12" (305 mm)
	FC278R	Standard	Straight	5/0 and Smaller	9" (225 mm)	14 ³ / ₈ " (365 mm)
	FC381R	Long			10 ³ / ₄ " (275 mm)	16 ³ / ₈ " (415 mm)
 "Mini-Jaw" 1/1	FC482R	Short			6 ¹ / ₄ " (160 mm)	11 ³ / ₄ " (300 mm)
	FC279R	Standard	Curved	5/0 and Smaller	8 ³ / ₄ " (220 mm)	14 ¹ / ₄ " (360 mm)
	FC382R	Long			10 ³ / ₄ " (270 mm)	16 ¹ / ₈ " (410 mm)

*Premicon®, a synthetic non-absorbable polyester suture from B. Braun, incorporating our exclusive laser-cut oval pledgets, specifically designed for valve surgery.



Jaw Size	Shaft Diameter
3.0 x 8.0 mm	5 mm
3.0 x 8.0 mm	5 mm
2.0 x 8.0 mm	5 mm
1.5 x 7.0 mm	5 mm
1.5 x 6.0 mm	2.7 mm



FC478R – FC482R
Short Version

FC275R – FC279R
Standard Version

FC378R – FC382R
Long Version

Valve XS

Forceps



DeBakey Tooth



1/1



1/1



1/1



1/1



1/1



1/1

RESANO Tooth

Suture Forceps



1/1

Knot Pusher



1/1

Item No.	Version	Jaw Type, Jaw Size	Working Length
FC485R	Short		7" (175 mm)
FC285R	Standard	Straight, 1.5 x 11.0 mm Jaw Serration	9" (230 mm)
FC385R	Long		11" (280 mm)
FC486R	Short		6 3/4" (170 mm)
FC286R	Standard	45° Upwards Angled, 1.5 x 15.0 mm Jaw Serration	9" (230 mm)
FC386R	Long		11" (280 mm)
FC487R	Short		6 3/4" (170 mm)
FC287R	Standard	45° Angled to Side, 1.5 x 15.0 mm Jaw Serration	9" (230 mm)
FC387R	Long		11" (280 mm)
FC488R	Short		7" (175 mm)
FC288R	Standard	Straight, 3.0 x 16.0 mm Jaw Serration	9" (230 mm)
FC388R	Long		11" (280 mm)
FC489R	Short		7" (175 mm)
FC289R	Standard	Straight, 2.8 x 11.0 mm Jaw Serration	9" (230 mm)
FC389R	Long		11" (280 mm)
FC490R	Short		6 3/4" (170 mm)
FC290R	Standard	Straight, 1.5 x 11.0 mm Jaw Serration	9" (230 mm)
FC390R	Long		11" (280 mm)
FC491R	Short		6 3/4" (170 mm)
FC291R	Standard	Straight, 8.0 mm Jaw	9" (225 mm)
FC391R	Long		11" (280 mm)
FC492R	Short		7" (175 mm)
FC292R	Standard	45° Angled	9" (230 mm)
FC392R	Long		11" (280 mm)

Total Length	Shaft Diameter	Miscellaneous
12 $\frac{1}{4}$ " (310 mm) 14 $\frac{3}{8}$ " (365 mm) 16 $\frac{3}{8}$ " (415 mm)	5 mm	Double Action
12 $\frac{1}{4}$ " (310 mm) 14 $\frac{3}{8}$ " (365 mm) 16 $\frac{3}{8}$ " (415 mm)	5 mm	Single Action
12 $\frac{1}{4}$ " (310 mm) 14 $\frac{3}{8}$ " (365 mm) 16 $\frac{3}{8}$ " (415 mm)	5 mm	Single Action
12 $\frac{1}{4}$ " (310 mm) 14 $\frac{1}{2}$ " (370 mm) 16 $\frac{1}{2}$ " (420 mm)	5 mm	Single Action
12 $\frac{1}{4}$ " (310 mm) 14 $\frac{1}{2}$ " (370 mm) 16 $\frac{1}{2}$ " (420 mm)	5 mm	Double Action
12" (305 mm) 14 $\frac{3}{8}$ " (365 mm) 16 $\frac{3}{8}$ " (415 mm)	3.5 mm	Double Action Malleable Shaft
12" (305 mm) 14 $\frac{3}{8}$ " (365 mm) 16 $\frac{3}{8}$ " (415 mm)	5 mm	Single Action with Tungsten Carbide Inserts
12 $\frac{1}{4}$ " (310 mm) 14 $\frac{1}{2}$ " (370 mm) 16 $\frac{1}{2}$ " (420 mm)	5 mm	Single Action



Valve XS

Nerve Hooks

	FC350R	FC351R	FC352R
Working End	4.5 mm Probe Ended	5 mm	9 mm
Working Length	10 1/4" (260 mm)	10 1/4" (260 mm)	10 1/4" (260 mm)
Total Length	15" (385 mm)	15" (385 mm)	15" (385 mm)

Working End

Total Length

Working Length

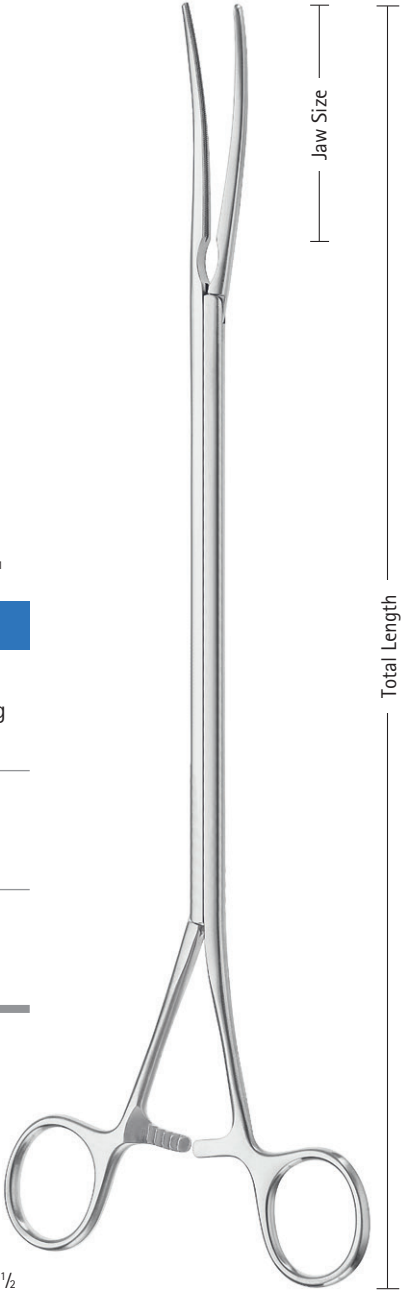
1/2

FC350R - FC352R

Aortic Clamps







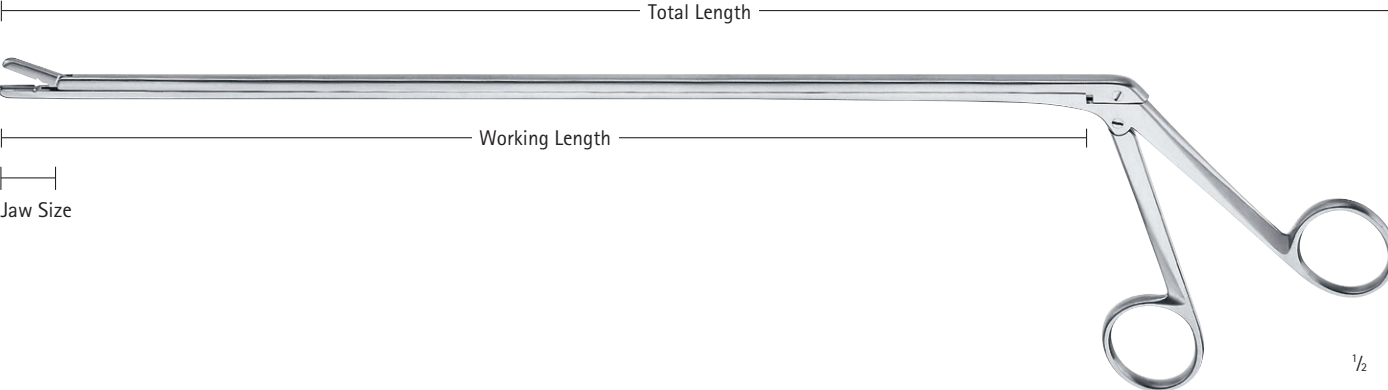
	FC295R	FC296R	FC297R
Toothing	1:2 DeBakey Toothing	1:2 DeBakey Toothing	2:3 DeBakey Toothing
Jaw Size	2.8 x 60 mm	2.8 x 60 mm	4.8 x 85 mm
Total Length	13" (330 mm)	11½" (290 mm)	14¼" (360 mm)



FC295R - FC297R

Valve XS

Rongeurs

	Item No.	Jaw Type	Jaw Size	Working Length	Total Length
 	FC298R	Straight	3 x 10 mm	11½" (290 mm)	14½" (370 mm)
 	FC299R	30° Upwards Angled	3 x 10 mm	11½" (290 mm)	14½" (370 mm)
 <div> <div>Jaw Size</div> <div>Working Length</div> <div>Total Length</div> </div> <div>FC298R - FC299R</div>					

Miscellaneous



BB060R

Scalpel Handle,
diam. 5 mm
Total length 13" (330 mm),
for Micro Scalpel Blades
BB365R



BB365R

Sterile Micro Scalpel
Blades Mini #11
PAK = Package of
10 pieces



BV085R

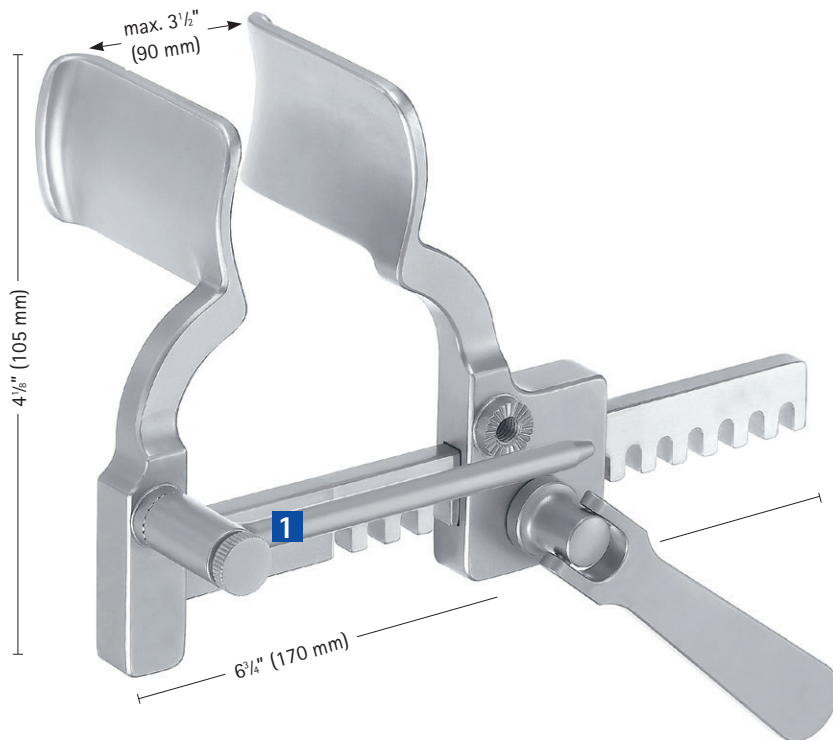
ADSON-BABY Self
Retaining Retractor,
3x4 teeth, semi sharp,
5½" (140 mm), with
joint

BV094R

ADSON-BABY Self
Retaining Retractor,
3x4 teeth, semi sharp,
6½" (165 mm), with
joint

Valve XS

Lateral Rib Retractors



FC145R

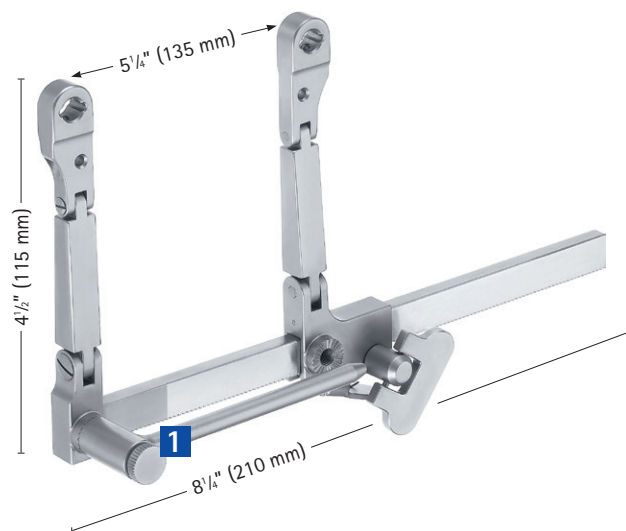
Valve XS rigid Retraction System for lateral approach.
Blade size: 59 x 37 mm (depth x width)

- 1 Fixation Rod Removable



FC140R

Set Valve XS Retraction System for lateral approach with double joint, consisting of
1x FC143R Spreader only
2x FC141R Blade



FC143R

Spreader only
1 Fixation rod removable



FC145R

Forceps to remove the retractor blades



FC142R

Blade only with ball snap closure
Blade size: 53 x 36 mm



FC141R

Blade only with ball snap closure
Blade size: 36 x 36 mm

Valve XS

Accessories for Lateral Rib Retractors

Item No.	Blade Size	Total Length
FC121R	65 x 18 mm	10" (250 mm)
FC122R	95 x 18 mm	11" (280 mm)
FC123R	95 x 22 mm	11" (280 mm)

Item No.	Blade Size	Total Length
FC124R	75 x 25 mm	10" (250 mm)

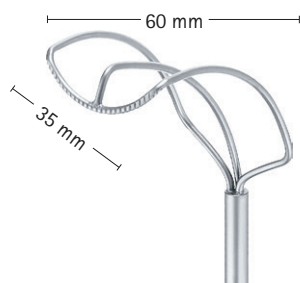
Item No.	Blade Size	Total Length	Shaft
FC125R	60 x 20 mm	10" (250 mm)	Rigid
FC126R	60 x 35 mm	10" (250 mm)	Rigid
FC127R	60 x 45 mm	10" (250 mm)	Rigid

Dimensions for Blade Size of Retractors

1st Number = Depth

2nd Number = Width

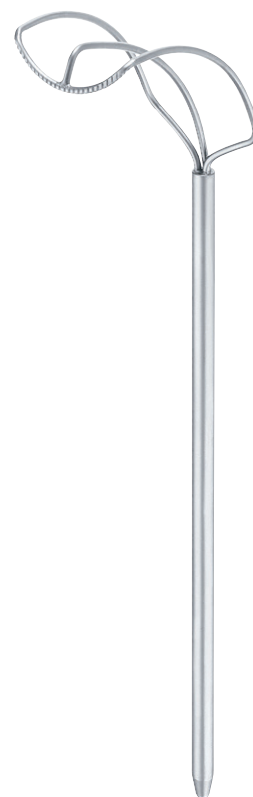
Example: 60 x 35



FC121R - FC123R
Heart XS Malleable Valve Hook

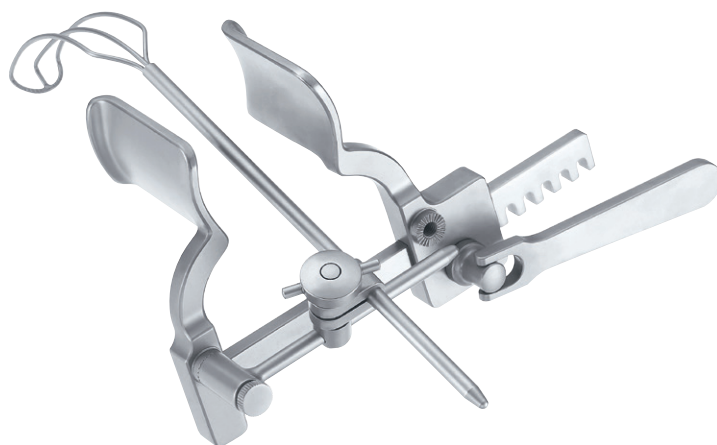


FC124R
Heart XS Malleable
Deaver Valve Hook



FC125R - FC127R
Heart XS Cooley
Atrium Retractor

Configuration Samples



FC146R

Valve XS Connecting
Clamp Type A



FC147R

Valve XS Connecting
Clamp Type B



FC148R

Valve XS Connecting
Clamp Type C



FC149R

Valve XS Connecting
Clamp Type D

Valve XS

Atrium Retraction System

FC420R

Atrium Retraction
Consisting of: FC423R – FC430R



FC423R

Insertion Instrument
11¾" (300 mm)



FC427R

Rod for Retractor Blades
9½" (242 mm)

Retractor Blades for Mitral Valve



Item No.	Height	Width
FC424R	50 mm	35 mm
FC425R	60 mm	35 mm
FC425R	70 mm	35 mm



Item No.	Height	Width
FC428R	50 mm	45 mm
FC429R	60 mm	45 mm
FC430R	70 mm	45 mm



2

FC421R

Additional lateral Blade only for Retractor
Blades for Mitral Valve
(Single use Product)

Blades for Tricuspid Valve



Item No.	Height	Width
FC431R	25 mm	20 mm
FC432R	25 mm	25 mm
FC433R	40 mm	25 mm



Item No.	Height	Width
FC434R	50 mm	25 mm
FC435R	25 mm	40 mm
FC436R	25 mm	50 mm

Mechanical Holding Arm Set, Complete with Atrium Retractor

MG291R

Includes:
Mechanical Holding Arm
OR Table Clamp
Universal Instrument Holder
Atrium Retractor Set **FC420R**



Mechanical Arm

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