



# Product Guide



**Genesee**  
BIOMEDICAL, INC.

Shaped by Surgeons.  
Built for Better Outcomes.



**Our Vision:** Be the global leader, partner, and resource for innovative instruments and devices.

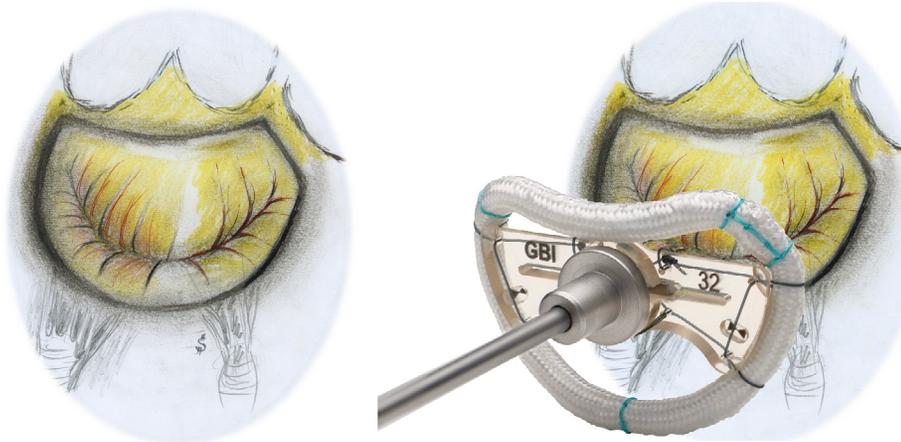
**Our Mission:** Design, develop, and manufacture unsurpassed quality products.

# Designed with Surgeons - Built for Cardiac Teams:

For over 30 years, Genesee has partnered with leading cardiac surgeons to transform ideas into medical devices — not just designing and manufacturing surgical tools, but solving real clinical problems. Our portfolio is built to perform in every setting — open, minimally invasive, or robotic-assisted. From early sketches on a whiteboard to a commercial launch of products, we've co-developed innovations that have advanced cardiac care around the world.

Our solutions help teams achieve:

- ✓ More precise valve repairs
- ✓ Reduced procedural complexity
- ✓ Seamless integration with modern access strategies



## Shaped with Surgical Purpose.

This philosophy has guided every collaboration, prototype, and product in our portfolio — shaped by real surgical challenges, and built to improve how cardiac care is delivered.

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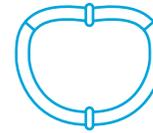
# How to Use This Guide

This guide is organized by product category, with easy-to-navigate sections introduced by custom icons for quick visual recognition. Within each section, you'll find product overviews, key features, sizing options, and ordering details to support your clinical and procurement decisions. Products marked with our **Minimally Invasive Cardiac Surgery (MICS) Devices** are compatible with port-based or robotic-assisted procedures. For ordering support or technical guidance, our team is always available to help — just reach out using the contact information at the back of this guide.

Products marked with the following icons indicate special usage compatibility:

Icon	Label	What It Means
	Minimally Invasive	Indicates a product is compatible with port-access or robotic-assisted procedures
	Reusable	Identifies tools and accessories designed for repeated sterilization and use

## Iconography



Annuloplasty Repair



Retractors



Markers



Probes & Aortic Toolkit



Pediatric



Robotics



MICS



Reusable

# Annuloplasty

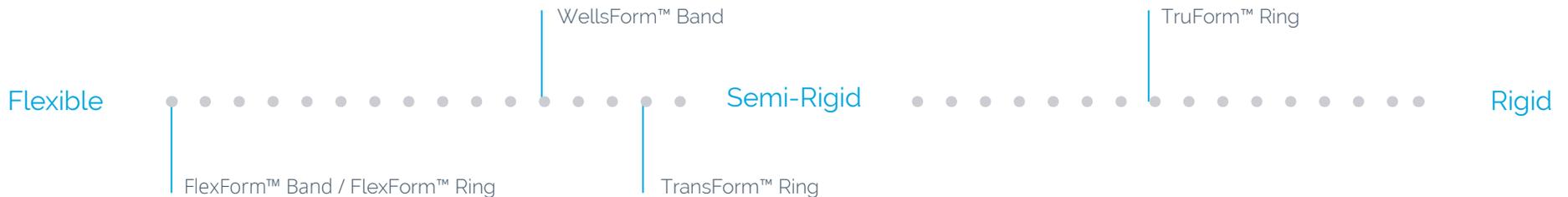
Annuloplasty is one of the foundations of valve repair and Genesee has partnered with cardiac surgeons to engineer solutions that enhance precision, durability, and physiologic restoration. Our portfolio includes flexible, semi-rigid, and transformative ring and band designs optimized for open, minimally invasive, and robotic-assisted procedures. Whether supporting leaflet coaptation or restoring natural motion, Genesee's annuloplasty solutions are built to support confidence in complex repairs.

## Why Genesee

- ✓ A full portfolio of flexibility and support options to match the anatomical shape of the mitral and tricuspid annulus
- ✓ MICS and robotic-compatible designs for flexible access strategies
- ✓ Precision-guided suture zones and intuitive sizing tools for reproducibility in the OR

Product	Type	Rigidity Profile	Notes
FlexForm™ Band	Band	Most flexible	No stiffeners, full flexibility, ideal for MICS and port-access
FlexForm™ Ring	Ring	Most flexible	Braided construction, flexible, but more support than band
WellsForm™ Band	Band	Semi-rigid (dual segment)	Semi-rigid ends with flexible midsection; conforms to 3D anatomy
TransForm™ Ring	Ring	Flexible and Semi-Rigid	Two independent stiffeners, 4:3 saddle shape, ideal for MICS/robotic
TruForm™ Ring	Ring	Semi-rigid	Asymmetric 3D ring with titanium core; offers highest structural support

## Annuloplasty Flexibility & Support Spectrum



# FlexForm™ Annuloplasty Ring & Band

## Flexible Solutions for Mitral and Tricuspid Repair

### Designed For:

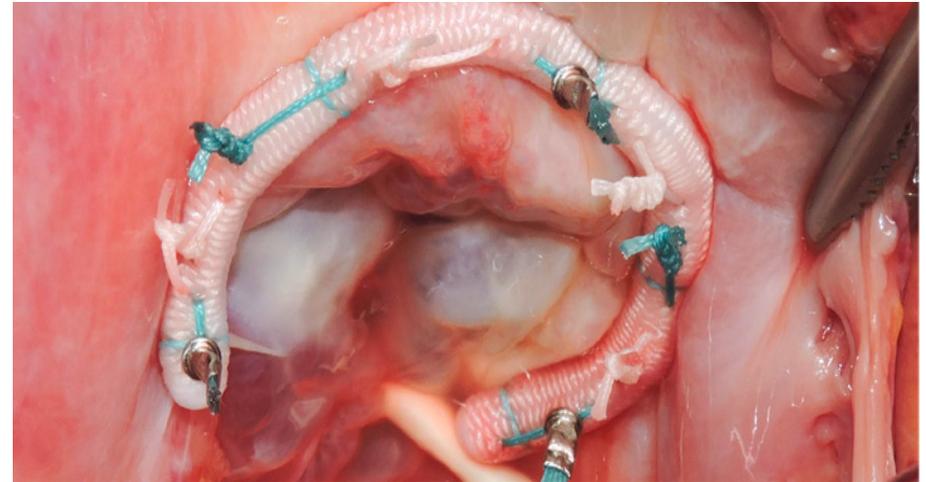
- ✓ Open, minimally invasive, and robotic procedures
- ✓ Surgeons prioritizing conformability and physiologic motion
- ✓ Mitral and tricuspid repairs with adaptable annular support

### Clinical Considerations

- ✓ Developed for open, robotic-assisted or port-access approaches
- ✓ Ideal for annuli requiring flexible adaptation without rigid support
- ✓ Suitable for mitral and tricuspid valve repairs

### Key Features:

- ✓ Fully flexible design supports native annular movement
- ✓ **Distinctive braided polyester** with a tube-in-tube design provides smooth, controlled needle penetration and minimizes the risk of crimping or snagging for efficient, reliable implantation.
- ✓ **Quick-release holder** with two visible cut marks for fast and easy removal
- ✓ **Seamless construction** offers a continuous suture zone with no circumferential seams, maximizing placement flexibility
- ✓ Available as both ring and band (models: FRH & FBH)
- ✓ Broad size range: 24–40 mm
- ✓ Large radiopaque marker ensures easy fluoroscopic identification



Stainless-Steel Handle



Stainless-Steel Sizer



## FlexForm™ Band – Ordering Reference

**Ordering Tip:** Order using model number FBH-##

Example: FBH-28 for a FlexForm™ Band, size 28 mm

Catalog #	Product Description	Size
FBH-24	FlexForm™ Annuloplasty Band	24 mm
FBH-26	FlexForm™ Annuloplasty Band	26 mm
FBH-28	FlexForm™ Annuloplasty Band	28 mm
FBH-30	FlexForm™ Annuloplasty Band	30 mm
FBH-32	FlexForm™ Annuloplasty Band	32 mm
FBH-34	FlexForm™ Annuloplasty Band	34 mm
FBH-36	FlexForm™ Annuloplasty Band	36 mm
FBH-38	FlexForm™ Annuloplasty Band	38 mm
FBH-40	FlexForm™ Annuloplasty Band	40 mm

## FlexForm™ Accessories – SKU Reference

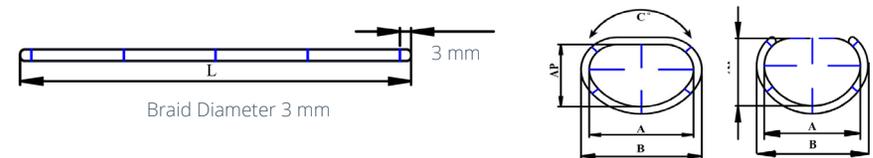
Catalog #	Accessory Description
FRBS	Set of Reusable Silicone Sizers
GSS-4	4 Stainless-Steel Sizers (26/28, 30/32, 34/36, and 38/40) with 2 GRH-U handles
GRH-U	Reusable Handle (standard length)
GRH-XL	Extra-Long Reusable Handle

## FlexForm™ Ring – Ordering Reference

**Ordering Tip:** Order using model number FRH-##

Example: FRH-30 for a FlexForm™ Ring, size 30 mm

Catalog #	Product Description	Size
FRH-24	FlexForm™ Annuloplasty Ring	24 mm
FRH-26	FlexForm™ Annuloplasty Ring	26 mm
FRH-28	FlexForm™ Annuloplasty Ring	28 mm
FRH-30	FlexForm™ Annuloplasty Ring	30 mm
FRH-32	FlexForm™ Annuloplasty Ring	32 mm
FRH-34	FlexForm™ Annuloplasty Ring	34 mm
FRH-36	FlexForm™ Annuloplasty Ring	36 mm
FRH-38	FlexForm™ Annuloplasty Ring	38 mm
FRH-40	FlexForm™ Annuloplasty Ring	40 mm



Indications: The FlexForm™ Annuloplasty Rings and FlexForm™ Annuloplasty Bands are indicated for use in patients undergoing surgery of diseased or damaged mitral or tricuspid valves in whom the surgeon determines that the valve can be preserved by employing the appropriate surgical repair. The annuloplasty rings and bands provide support for the mitral or tricuspid annulus and restrict expansion of the annulus.

Warnings: Only surgeons who have received adequate training to determine whether incompetent, stenotic, or diseased heart valves are capable of being repaired or replaced should use this device. Refer to the Instructions for Use (IFU) for a full list of warnings, precautions and adverse events.

CAUTION: Federal law (USA) restricts this device to sale by, or on the order of, a physician.

Image Credits: Case photographs courtesy of Dr. Kevin Miller, Dr. Steven Bolling, and Dr. Jose Navia.

# WellsForm™ Tricuspid Annuloplasty Band

Engineered for Tricuspid Repair — Semi-Rigid and Flexible by Design

## Designed For:

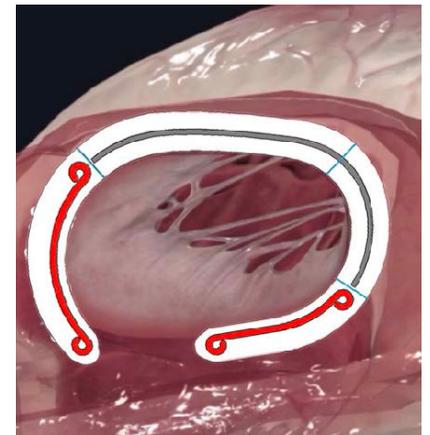
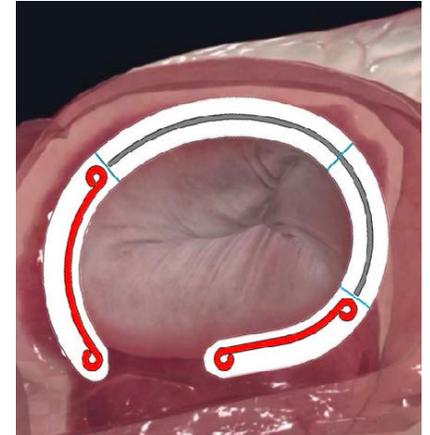
- ✓ Tricuspid valve repair procedures
- ✓ Open, port-access, and robotic-assisted approaches
- ✓ Surgeons seeking annular flexibility with segmental control
- ✓ Anatomies requiring precise septal support with anterior adaptability

## Clinical Considerations

- ✓ Designed to balance structural support with anatomical adaptability
- ✓ Follows the natural movement of the right atrioventricular junction
- ✓ Ideal for tricuspid repairs involving distorted or dilated annuli
- ✓ Compatible with robotic and minimally invasive surgical workflows

## Key Features:

- ✓ Semi-rigid design at the septal and aortic segments supports reshaping the tricuspid annulus
- ✓ Flexible anterior section allows the band to move harmoniously with the free wall of the ventricle
- ✓ Unique curvature conforms to variable planar directions of the tricuspid annulus
- ✓ Braided construction enhances needle penetration and suture security
- ✓ Large radiopaque marker ensures easy fluoroscopic identification
- ✓ Holder includes quick-release cut marks for streamlined band release

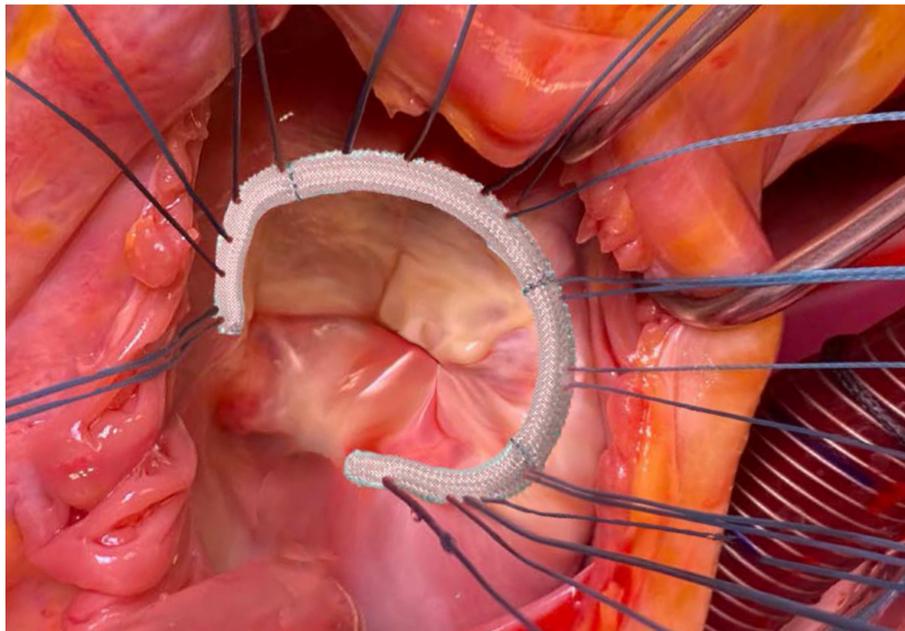


## WellsForm™ – Ordering Reference

**Ordering Tip:** Order using model number WF-##

Example: WF-32 for a WellsForm™ Band, size 32 mm

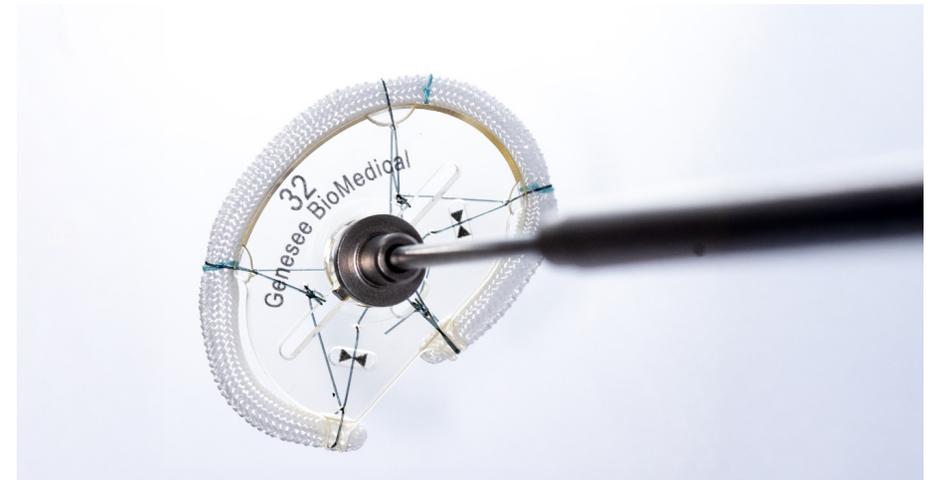
Catalog #	Product Description
WF-26	WellsForm™ Annuloplasty Band – Size 26 mm
WF-28	WellsForm™ Annuloplasty Band – Size 28 mm
WF-30	WellsForm™ Annuloplasty Band – Size 30 mm
WF-32	WellsForm™ Annuloplasty Band – Size 32 mm
WF-34	WellsForm™ Annuloplasty Band – Size 34 mm
WF-36	WellsForm™ Annuloplasty Band – Size 36 mm



## WellsForm™ Accessories – SKU Reference

**Note:** Accessories are sold separately. Order using the model number.

Catalog #	Accessory Description
WFBS	Set of Reusable Silicone Sizers
GTSS	Set of Stainless-Steel Sizers (includes 2 handles)
GRH-U	Reusable Handle
GRH-UXL	Extra-Long Reusable Handle (35 mm)



**Indications:** The WellsForm™ Annuloplasty Bands are indicated for the surgical reconstruction or remodeling of diseased or damaged tricuspid valves. The band provides support for and restricts expansion of the tricuspid annulus.

**Warnings:** Only surgeons who have received adequate training to determine whether incompetent, stenotic, or diseased heart valves are capable of being repaired or replaced should use this device. Refer to the Instructions for Use (IFU) for a full list of warnings, precautions, and adverse events.

**CAUTION:** Federal law (USA) restricts this device to sale by, or on the order of, a physician.

Image Credits: Watercolors courtesy of Mr. Francis C. Wells MS, MA (Cantab), FEACTION, F.R.C.S.(Eng) Cambridge, UK.

# TransForm™ McCarthy Mitral Annuloplasty Ring

Transform Your Practice. Your Mindset. Your Results.

## Designed For:

- ✓ Mitral valve repair
- ✓ Open procedures, port-access and robotic-assisted procedures
- ✓ Restoring natural 3D annular motion

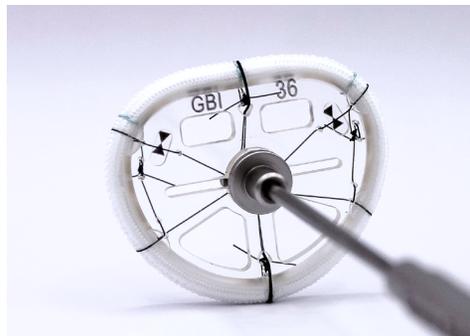
## Minimally Invasive, Maximally Capable

TransForm™ was co-developed with robotic, open procedures and MICS workflows in mind.

The flexible commissures, quick-release holder, and sizing options are ideal for surgeons operating through ports, with robotic arms, or limited exposure.

## Clinical Considerations

- ✓ Designed for precision access via open procedures, port-based and robotic repair workflows
- ✓ Supports dynamic annular remodeling and long-term coaptation integrity
- ✓ Enables measurement-driven selection guided by advanced imaging strategies
- ✓ Aligns with McCarthy's multiparameter algorithm for sizing degenerative mitral valves<sup>1</sup>



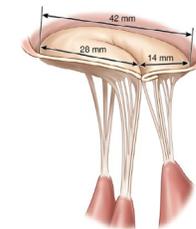
## Surgical Planning and Sizing

TransForm™ is engineered to align with the multiparameter sizing algorithm developed by McCarthy et al. (2022), which simplifies mitral repair planning and improves procedural reproducibility. The approach emphasizes a **coaptation length of 5–10 mm** and encourages ring sizing based on precise anatomic measurement — helping surgical teams avoid residual prolapse or restriction and achieve consistent coaptation across patient anatomies.

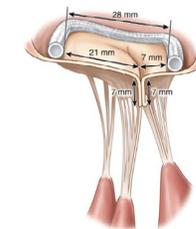
Ring selection can be guided by this measurement-driven method, enabling confident use across minimally invasive, robotic-assisted, or open repairs.

Stiffener placement and silicone core provide flexibility and elasticity for transformation in shape from “D” to “O”

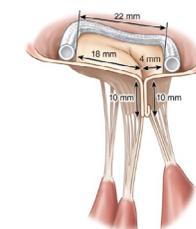
## TransForm™ AP Diameter Determines Coaptation Length



“Typical” DMR 28mm A2



38x28mm AP TransForm™

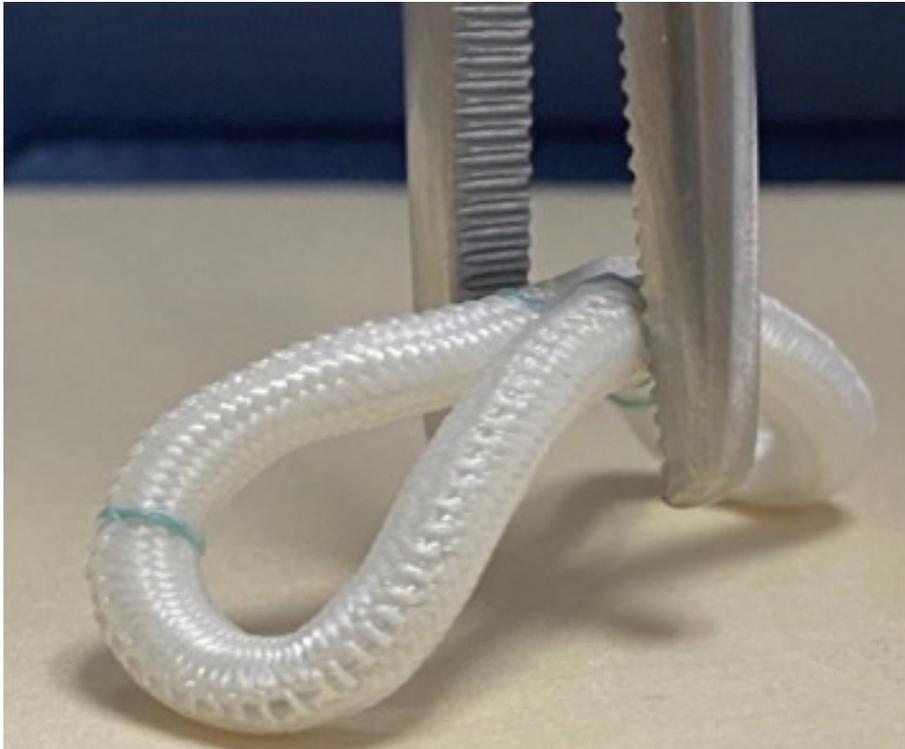


30x22mm AP TransForm™



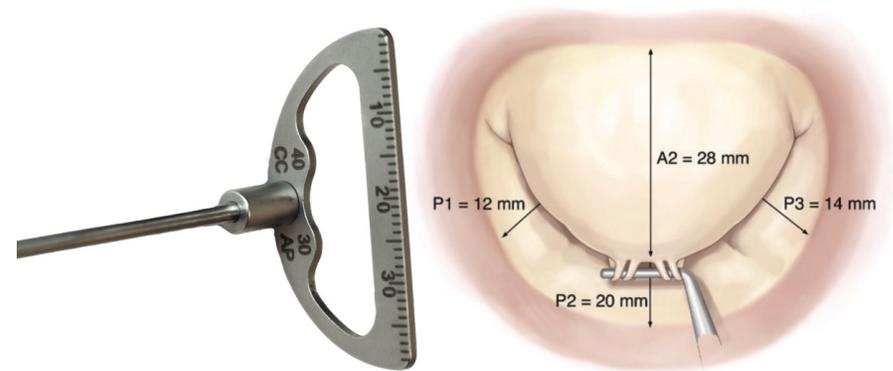
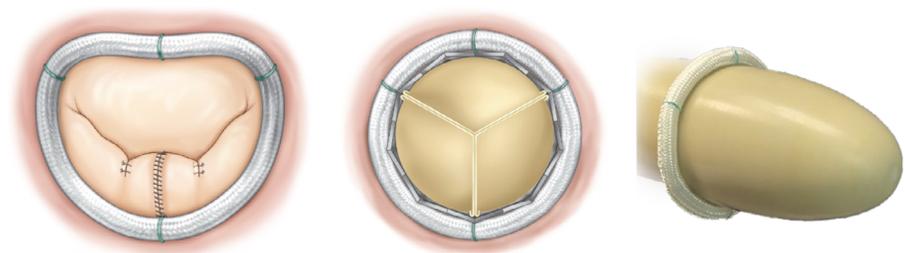
McCarthy PM, Herborn J, Kruse J, Liu M, Andrei A-C, Thomas JD. A multiparameter algorithm to guide repair of degenerative mitral regurgitation. J Thorac Cardiovasc Surg. 2020;164(3):867-876. doi:10.1016/j.jtcvs.2020.09.129

# TransForm™ McCarthy Mitral Annuloplasty Ring



## Key Features:

- ✓ Two independent semi-rigid stiffeners for anterior/posterior support
- ✓ Flexible at the commissure level
- ✓ Saddle-shape ring preserves mitral geometry
- ✓ Optimized 4:3 commissure-to-commissure (CC) to anterior-posterior (AP) ratio
- ✓ Silicone core provides elastic inward force to support annular reshaping
- ✓ Distinctive braided cuff for smooth needle penetration
- ✓ Two quick-release cut marks on holder for easier deployment
- ✓ Large radiopaque marker ensures easy fluoroscopic identification



Indications: The TransForm™ Annuloplasty Rings are indicated for the surgical reconstruction or remodeling of diseased or damaged mitral valves. The ring provides support for and restricts expansion of the mitral annulus.

Warnings: Only surgeons who have received adequate training to determine whether incompetent, stenotic, or diseased heart valves are capable of being repaired or replaced should use this device. Refer to the Instructions for Use (IFU) for a full list of warnings, precautions and adverse events.

CAUTION: Federal law (USA) restricts this device to sale by, or on the order of, a physician.

Image Credits: Images courtesy of Journal of Thoracic and Cardiovascular Surgery. JTCVS 2020, doi: 10.1016/j.jtcvs.2020.09.129

1. McCarthy PM, Herborn J, Kruse J, Liu M, Andrei A-C, Thomas JD. A multiparameter algorithm to guide repair of degenerative mitral regurgitation. J Thorac Cardiovasc Surg. 2022;164(3):867–876. doi:10.1016/j.jtcvs.2021.07.064

## TransForm™ McCarthy Mitral Annuloplasty Ring – Ordering Reference

**Ordering Tip:** Order using the model number followed by the size. Example: TF-32 for a size 32 TransForm™ ring.

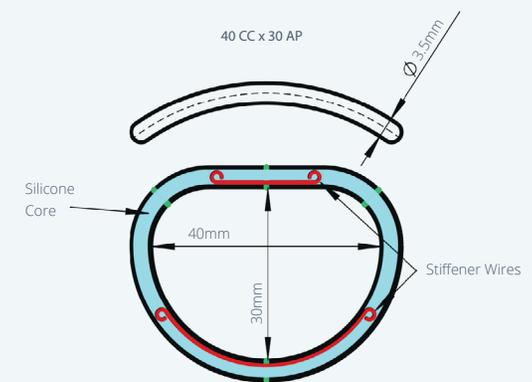
Catalog #	Product Name	Labeled Size	Internal Dimensions (CC x AP mm)
TF-24	TransForm™ Annuloplasty Ring	24	24 x 18 mm
TF-26	TransForm™ Annuloplasty Ring	26	26 x 19 mm
TF-28	TransForm™ Annuloplasty Ring	28	28 x 21 mm
TF-30	TransForm™ Annuloplasty Ring	30	30 x 22 mm
TF-32	TransForm™ Annuloplasty Ring	32	32 x 24 mm
TF-34	TransForm™ Annuloplasty Ring	34	34 x 25 mm
TF-36	TransForm™ Annuloplasty Ring	36	36 x 27 mm
TF-38	TransForm™ Annuloplasty Ring	38	38 x 28 mm
TF-40	TransForm™ Annuloplasty Ring	40	40 x 30 mm

## Accessory Ordering Reference

Catalog #	Accessory Description
TFRS	Set of Reusable Silicone Sizers
TFSS	Set of Stainless-Steel Sizers (includes 1 GRH and 1 GRH-U)
GRH-U	Standard Reusable Handle
GRH-UXL	Extra-Long Reusable Handle (35 cm)

### Two Semi-Rigid Stiffeners

The non-planar, variably flexible Mitral Valve annulus demands a physiological solution designed to conform with the anatomy and physiology



# TruForm™ Sievers Annuloplasty Ring

True Physiological Repair. Semi-Rigid, Designed for Consistency Across the Cardiac Cycle.

## Designed For:

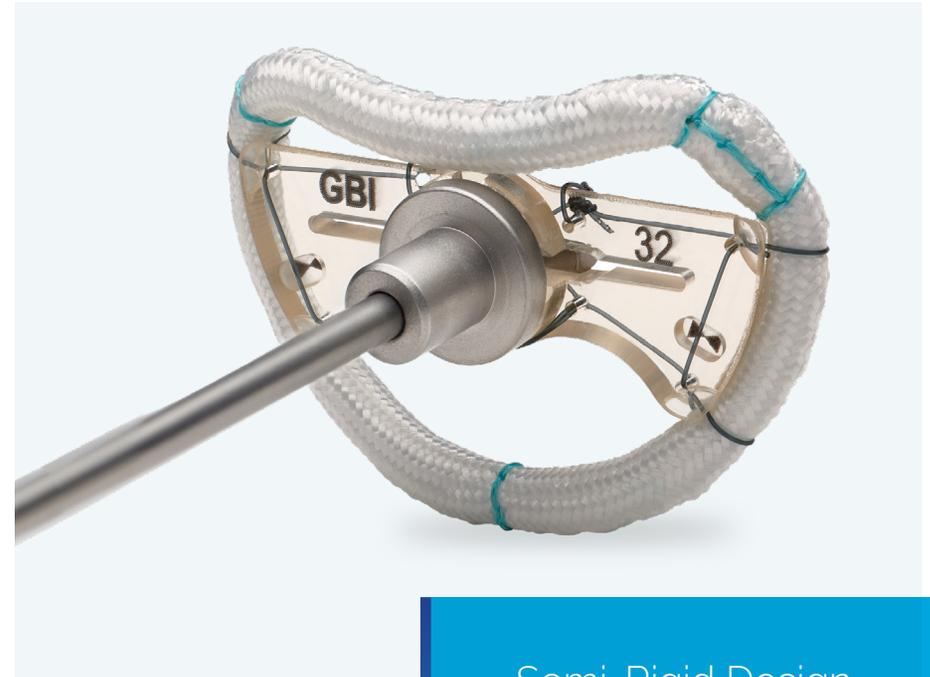
- ✓ Surgical reconstruction or remodeling of the mitral valve
- ✓ Procedures requiring durable, semi-rigid annular support
- ✓ Surgeons who prefer a ring congruent with surgical landmarks
- ✓ Anatomies involving the trigones, LVOT, and aortic annulus

## Clinical Considerations

- ✓ Supports mechanical stress reduction through annular stabilization
- ✓ Aids in preserving physiologic motion with a semi-rigid design
- ✓ Intended for cases requiring precise anatomical fit across adjacent structures

## Key Features:

- ✓ Designed to maintain optimum conditions throughout the cardiac cycle
- ✓ Reduces mechanical stress on the repaired valve
- ✓ Anatomically contoured to fit surgically relevant structures
- ✓ Reflects the shape of the mitral annulus and adjacent anatomy
- ✓ Braided polyester cover allows smooth suture passage
- ✓ Radiopaque markers assist with intraoperative orientation



## Semi-Rigid Design. Anatomically Fit.

TruForm™ offers a semi-rigid ring that mirrors the natural shape of the mitral annulus while aligning with surgical landmarks for effective implantation and physiological support.

## TruForm™ – Ordering Reference

**Ordering Tip:** Order using model number TFR-##

Example: TFR-30 for a full ring, size 30 mm

Catalog #	Product Description
TRH-24	TruForm™ Annuloplasty Ring size 24
TRH-26	TruForm™ Annuloplasty Ring size 26
TRH-28	TruForm™ Annuloplasty Ring size 28
TRH-30	TruForm™ Annuloplasty Ring size 30
TRH-32	TruForm™ Annuloplasty Ring size 32
TRH-34	TruForm™ Annuloplasty Ring size 34
TRH-36	TruForm™ Annuloplasty Ring size 36
TRH-38	TruForm™ Annuloplasty Ring size 38
TRH-40	TruForm™ Annuloplasty Ring size 40
TRH-42	TruForm™ Annuloplasty Ring size 42

Stainless-Steel  
Handle



Stainless-Steel  
Sizer



## TruForm™ – Ordering Reference

**Ordering Tip:** Order using the model number followed by the size.

Example: TRH-32 for a TruForm™ Ring, size 32 mm

Catalog #	Accessory Description
FRBS	Flexible Silicone Sizers, set of 9 (Sizes 24–40)
GRH-U	Reusable Handle
GRH-UXL	Extra-Long Reusable Handle (35 mm)
GSS-26/28	Stainless Steel Sizer, double-ended 26/28
GSS-30/32	Stainless Steel Sizer, double-ended 30/32
GSS-34/36	Stainless Steel Sizer, double-ended 34/36
GSS-38/40	Stainless Steel Sizer, double-ended 38/40
GSS-4	Stainless Steel Sizer, set of 4

Indications: The TruForm™ Annuloplasty Rings are indicated for the surgical reconstruction or remodeling of diseased or damaged mitral valves. The ring provides support for and restricts expansion of the mitral annulus.  
 Warnings: Only surgeons who have received adequate training to determine whether incompetent, stenotic, or diseased heart valves are capable of being repaired or replaced should use this device. Refer to the Instructions for Use (IFU) for a full list of warnings, precautions and adverse events.  
 CAUTION: Federal law (USA) restricts this device to sale by, or on the order of, a physician.  
 Image Credits: Images courtesy of Dr. Kevin Miller, Dr. Steven Bolling, and Dr. Jose Navia.

# Annuloplasty Accessories Quick Reference

Simplify. Standardize. Support.

## SKU Reference Table

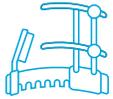
Catalog #	Accessory Description	Compatible Products
FRBS	Set of 9 Flexible Silicone Sizers (Sizes 24–40)	FlexForm™, WellsForm™, TruForm™
GSC	Annuloplasty Scale	TransForm™, FlexForm™, WellsForm™, TruForm™
GSC-2	Set of 2 GSC Annuloplasty Scales and 2 handles (1 GRH and 1 GRH-U)	TransForm™, FlexForm™, WellsForm™, TruForm™
GSS-26/28	Stainless Steel Sizer, double-ended 26/28	FlexForm™, WellsForm™, TruForm™
GSS-30/32	Stainless Steel Sizer, double-ended 30/32	FlexForm™, WellsForm™, TruForm™
GSS-34/36	Stainless Steel Sizer, double-ended 34/36	FlexForm™, WellsForm™, TruForm™
GSS-38/40	Stainless Steel Sizer, double-ended 38/40	FlexForm™, WellsForm™, TruForm™
GSS-4	4 Stainless-Steel Sizers (26/28, 30/32, 34/36, and 38/40) with 2 GRH-U handles	FlexForm™, WellsForm™, TruForm™
GRH	Tricuspid Stainless Steel Sizers, double-ended	FlexForm™, WellsForm™
GRH-U	Reusable Handle	TransForm™, FlexForm™, WellsForm™, TruForm™
GRH-UXL	Extra-Long Handle (35 cm)	TransForm™, FlexForm™, WellsForm™, TruForm™
TFRS	Set of Reusable Silicone Sizers	TransForm™
TFSS	Set of Stainless-Steel Sizers (includes 1 GRH and 1 GRH-U)	TransForm™
WFBS	Flexible Silicone Sizers, set of 6, Sizes 26-36	FlexForm™, WellsForm™

Genesee BioMedical offers reusable sizing tools and handles to support precise valve repair across our annuloplasty portfolio. While most accessories are shared among FlexForm™, WellsForm™, and TruForm™, **TransForm™ utilizes its own sizers** to ensure accurate mitral remodeling.\*

Refer to individual product sections or Instructions for Use (IFU) for full cleaning and compatibility details.

All Genesee annuloplasty accessories featured in this section are fully **reusable** and designed for repeat sterilization

\* Accessories must be resterilized before each use. Refer to the product's Instructions for Use (IFU) for full warnings, precautions, and reprocessing instructions. CAUTION: Federal law (USA) restricts these devices to sale by, or on the order of, a physician.



# Retractors

Built for Exposure. Engineered for Control.

Surgical access isn't just about visibility — it's about control, stability, and trust in the tools that hold the field. Genesee retractors are engineered for all three. Whether navigating complex valve repairs or routine sternotomies, our portfolio delivers precision-crafted, surgeon-informed exposure systems that perform under pressure.

In this section, we walk through our full line of adult, pediatric, and neonatal retractors — each designed to provide optimal exposure with minimal disruption across a range of anatomical and procedural needs.

From the curved frame that follows thoracic contours to low-profile tools designed for small anatomy or limited-access procedures, these retractors reflect decades of thoughtful collaboration and OR-tested performance.

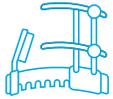
Look for the **Minimally Invasive Badge** to identify retractors compatible with port-access or robotic-assisted workflows.

All Genesee retractors and accessories featured in this section are fully **reusable** and designed for repeat sterilization — look for the **Reusable badge** throughout.

## Why Genesee Retractors

- ✓ Multiple frame and rake configurations for flexible exposure control
- ✓ Precision machining and interchangeable components for reliability and ease of use





# Adult Curved Sternal Retractor

Optimized Curvature. Uncompromised Access.

The Adult Curved Sternal Retractor is a multipurpose system designed for valve repair, valve replacement, and on- or off-pump coronary artery procedures. Its unique rack design opens with a gently curved radius, optimizing exposure while minimizing trauma to the chest and ribcage.

The anatomic curvature distributes opening pressure evenly across the sternum, and pivoting blades help equalize pressure points. This retractor is suitable for adult patients from 45–90 kg and accommodates multiple surgical anatomies with its changeable blades and interchangeable rake options.

## Key Features:

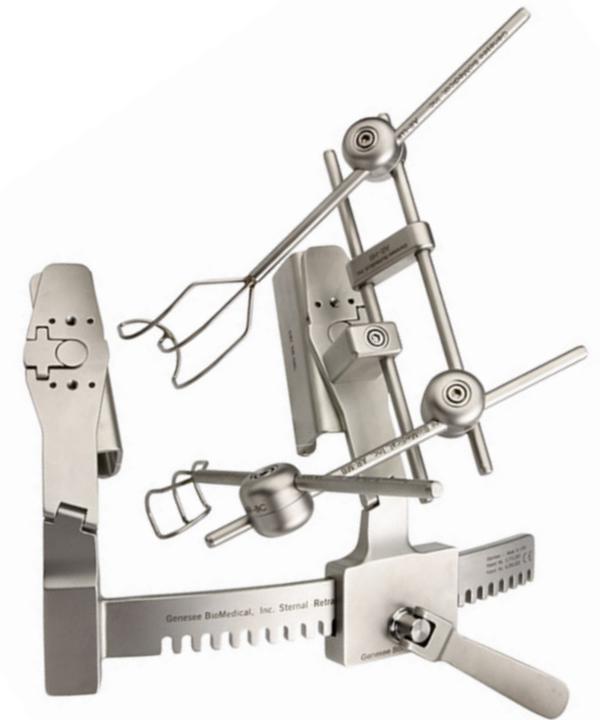
- ✓ Gently curved rack supports natural thoracic anatomy
- ✓ Curved profile helps balance pressure along the sternum
- ✓ Pivoting blades equalize pressure for stable retraction
- ✓ Changeable blades accommodate patient-specific needs
- ✓ Interchangeable rakes enhance exposure and usability
- ✓ Unique clamps and mounting rods enable fast setup
- ✓ Optional deep or minimally invasive blades available
- ✓ Reusable stainless steel construction

## Designed For:

- ✓ Valve repair and replacement procedures
- ✓ On- or off-pump coronary artery bypass procedures
- ✓ Adult patients between 45–90 kg
- ✓ Surgeons who prefer a contour-matching retractor design

## Clinical Considerations

- ✓ Provides reliable exposure across standard sternotomy procedures
- ✓ Can be used as a platform for off-pump coronary approaches
- ✓ Compatible with Genesee's standard curved retractor accessories



## SRCL-AR — Adult Sternal Valve Retractor with Aortic and Atrial Rakes

Includes the following:

Qty	Catalog #	Description
1	SR-CR	Adult Retractor with Curved Rack with Fixed and Moving Arms
1	SR-CH	Cog Handle
2	SR-SBL	Standard Adult Blade
2	SR-DBL	Deep Adult Blade
1	AR-SLR	Small Left Atrial Rake
2	AR-MLR	Medium Left Atrial Rake
2	AR-LLR	Large Left Atrial Rake
1	AR-LAR	Long Atrial Rake
1	AR-LRR	Large Right Atrial Rake
1	AR-PC	Adult Pillar Clamp
4	AR-BC	Adult Ball Clamp
2	AR-HW	Large Hex Wrench
1	AR-HR	"H" Mounting Rod
2	AR-MB	Mounting Bar

## Adult Curved Sternal Retractors – Ordering Information

### SRCL-1 — Adult Sternal Retractor

Includes the following:

Qty	Catalog #	Description
1	SR-CR	Adult Retractor with Curved Rack with Fixed and Moving Arms (241 mm rack, 191 mm arms)
1	SR-CH	Cog Handle
2	SR-SBL	Standard Adult Blade (89 mm wide × 25 mm deep)
2	SR-DBL	Deep Adult Blade (89 mm wide × 38 mm deep)

## SRCL-ARC — Adult Sternal Valve Retractor with Curved Aortic and Atrial Rakes

Includes the following:

Qty	Catalog #	Description
1	SR-CR	Adult Retractor with Curved Rack with Fixed and Moving Arms (Rack: 241 mm long, Arm: 191 mm long)
1	SR-CH	Cog Handle
2	SR-SBL	Standard Adult Blade (89 mm wide × 25 mm deep)
2	SR-DBL	Deep Adult Blade (89 mm wide × 38 mm deep)
1	AR-SLRC	Small Curved Left Atrial Rake (19 mm wide × 36 mm long × 25 mm deep)
2	AR-MLRC	Medium Curved Left Atrial Rake (32 mm wide × 36 mm long × 28 mm deep)
2	AR-LLRC	Large Curved Left Atrial Rake (38 mm wide × 61 mm long × 45 mm deep)
1	AR-LARC	Long Curved Atrial Rake (19 mm wide × 62 mm long × 51 mm deep)
1	AR-LRRC	Large Curved Right Atrial Rake (45 mm wide × 41 mm long × 18 mm deep)
4	AR-CC or AR-CCT	Adult Ball Clamp Curved or Curved Toggle
1	AR-PC or AR-PCT	Adult Pillar Clamp or Pillar Clamp Toggle
2	AR-HW	Large Hex Wrench
1	AR-HR	"H" Mounting Rod
2	AR-MB	Mounting Bar

\* All retractor components must be resterilized before each use. Refer to the Instructions for Use (IFU) for full warnings, precautions, and reprocessing instructions.  
CAUTION: Federal law (USA) restricts this device to sale by, or on the order of, a physician.



# Curved Sternal Adult Retractor – BMI 35 System

Confident Access for Patients Over 35 BMI.

The BMI 35 Adult Retractor is a multipurpose, large retractor system designed for valve repair, valve replacement, and both on- and off-pump coronary artery procedures. Its unique elongated curved rack follows the anatomic shape of the chest, offering enhanced access and comfort for patients with elevated BMI.

This system includes extra-deep blades that provide a gentle radius during sternal opening — supporting exposure while helping to minimize tissue trauma. All components are constructed from reusable surgical-grade stainless steel and integrate with Genesee's full line of curved retractor accessories.

## Designed For:

- ✓ Valve repair and replacement procedures
- ✓ On- or off-pump coronary artery bypass surgeries
- ✓ Sternotomy in patients with BMI  $\geq 35$
- ✓ Surgeons needing deeper anatomical reach and chest wall conformance

## Clinical Considerations

- ✓ Suitable for high-BMI anatomies requiring deeper retraction
- ✓ Supports visibility and access in both routine and complex cases
- ✓ Enables efficient exposure without additional incisions or repositioning

## Key Features:

- ✓ Elongated curved rack matches the natural chest shape
- ✓ Extra-deep blades designed for efficient, gentle sternal opening
- ✓ Stainless steel construction for durability and sterilization
- ✓ Reusable system compatible with standard curved retractor handle (SR-CH)
- ✓ Integrates with Genesee's existing curved retractor accessories



## BMI 35 Adult Retractor System

Order using the catalog numbers below. Compatible with Genesee's curved retractor accessories.

### SRLP-1: BMI 35 Adult Large Patient Curved Sternal Retractor

Qty	Catalog #	Description
1	SR-CRL	Large Curved Rack with Moving and Fixed Arms (313 mm rack, 191 mm arms)
1	SR-CH	Adult Cog Handle
2	SR-DBL	Deep Adult Blade (89 mm wide × 38 mm deep)
2	SR-XDBL	Extra Deep Adult Blade (89 mm wide × 51 mm deep)

### SRLP-AR: BMI 35 Large Patient Adult Retractor with Atrial and Aortic Accessories

Qty	Catalog #	Description
1	SR-CRL	Large Curved Rack with Moving and Fixed Arms (313 mm rack, 191 mm arms)
1	SR-CH	Adult Cog Handle
2	SR-DBL	Deep Adult Blade (89 mm wide × 38 mm deep)
2	SR-XDBL	Extra Deep Adult Blade (89 mm wide × 51 mm deep)
1	AR-SLR	Small Curved Left Atrial Rake
2	AR-MLR	Medium Curved Left Rake
2	AR-LLR	Large Left Curved Atrial Rake
1	AR-LAR	Long Curved Atrial Rake
1	AR-LRR	Large Right Curved Atrial Rake
1	AR-PC	Adult Pillar Clamp
4	AR-BC	Adult Ball Clamp
2	AR-HW	Large Hex Wrench

\* All retractor components must be resterilized before each use. Refer to the Instructions for Use (IFU) for full warnings, precautions, and reprocessing instructions.  
CAUTION: Federal law (USA) restricts this device to sale by, or on the order of, a physician.





# AVATR™ – Aortic Valve Access Thoracic Retractor

Designed for Clear Aortic Access — Open or MICS.



The AVATR™ Thoracic Retractor is designed to deliver stable and direct access to the aortic root, supporting a range of surgical approaches from full sternotomy to minimally invasive techniques. Its wide-angle frame, curved arms, and interchangeable rake options enable upward and lateral retraction without crowding the field — helping cardiac teams maintain exposure in routine or complex procedures.

Accepts Genesee's interchangeable rakes and mounting hardware. Optional minimally invasive blade sets are available.

## Designed For:

- ✓ Open aortic valve replacement procedures
- ✓ Minimally invasive and port-access TAVR
- ✓ Surgeons requiring vertical and lateral thoracic access
- ✓ Procedures involving limited exposure or reoperation

## Key Features:

- ✓ Wide-angle frame supports deep exposure
- ✓ Dual-arm design accommodates multiple retraction strategies
- ✓ Interchangeable rake options for tailored anatomy access
- ✓ Stainless steel construction for repeated use and sterilization
- ✓ Compact profile helps preserve working space
- ✓ Compatible with MICS strategies (when used with appropriate blades and exposure plan)

## Clinical Considerations

- ✓ Suitable for standard sternotomy and reduced-access cases
- ✓ Ideal for TAVR and root procedures in small adults or reops
- ✓ Accepts Genesee rake sets and hardware for flexible configuration



## AVATR™ System Ordering Guide

Order using the catalog numbers below

### ATR-1 - AVATR™ Thoracic Retractor Rack and Blades

Includes the following:

Qty	Catalog #	Description
1	ATR-1	Adult Rack with Fixed and Moving Arms (178 mm rack, 140 mm arm)
1	CSR-CH	Cog Handle
2	SR-SBL	Standard Adult Blade (89 mm wide × 25 mm deep)
2	SR-DBL	Deep Adult Blade (89 mm wide × 38 mm deep)



### ATR-AR - AVATR™ Aortic Valve and Thoracic Retractor

with Atrial and Aortic Accessories

Includes the following:

Qty	Catalog #	Description
1	ATR-1	Adult Rack with Fixed and Moving Arms (178 mm rack, 140 mm arm)
1	CSR-CH	Cog Handle
2	SR-SBL	Standard Adult Blade (89 mm wide × 25 mm deep)
2	SR-DBL	Deep Adult Blade (89 mm wide × 38 mm deep)
1	AR-SLR	Small Left Atrial Rake
2	AR-MLR	Medium Left Atrial Rake
2	AR-LLR	Large Left Atrial Rake
1	AR-LAR	Long Atrial Rake
1	AR-LRR	Large Right Atrial Rake
1	AR-PC	Adult Pillar Clamp
4	AR-BC	Adult Ball Clamp
2	AR-HW	Large Hex Wrench
1	AR-HR	"H" Mounting Rod
2	AR-MB	Mounting Bar



# Curved Rakes & Adult Retractor Accessories

## Precision Components for Customized Exposure

### Adult Curved Atrial Rakes

Standard Handle (160 mm)

Catalog #	Product Description	Dimensions (W x L x D)
AR-SLRC	Small Curved Left Atrial Rake	19 mm x 36 mm x 25 mm
AR-MLRC	Medium Curved Left Atrial Rake	32 mm x 36 mm x 28 mm
AR-LLRC	Large Curved Left Atrial Rake	38 mm x 61 mm x 45 mm
AR-LRRC	Large Curved Right Atrial Rake	45 mm x 41 mm x 18 mm
AR-LARC	Long Curved Atrial Rake	19 mm x 62 mm x 51 mm

### Adult Curved Atrial Rakes

Long Handle (210 mm)

Catalog #	Product Description	Dimensions (W x L x D)
AR-SLRLC	Small Left Atrial Rake (Long Handle)	19 mm x 36 mm x 25 mm
AR-MLRLC	Medium Left Atrial Rake (Long Handle)	32 mm x 36 mm x 28 mm
AR-LLRLC	Large Left Atrial Rake (Long Handle)	38 mm x 61 mm x 45 mm
AR-LRRLC	Large Right Atrial Rake (Long Handle)	45 mm x 41 mm x 18 mm
AR-LARLC	Long Atrial Rake (Long Handle)	19 mm x 62 mm x 51 mm

### Accessories for Adult Retractors:

Catalog #	Accessory Description
AR-CC	Adult Ball Clamp for Curved & Straight Rakes
AR-CCT	Adult Toggle Ball Clamp for Curved & Straight Rakes
AR-PC	Adult Pillar Clamp
AR-PCT	Adult Toggle Pillar Clamp
AR-HW	Large Hex Wrench
AR-HR	H-Style Mounting Bar
AR-MB	Straight Mounting Bar
AR-BCT	Adult Toggle Ball Clamp
MISBL	Minimally Invasive Adult Standard Blade
MIDBL	Minimally Invasive Adult Deep Blade
SOP	Suture Organizer (reusable)





## Minimally Invasive Exposure Components

Advancing rapidly in minimally invasive exposure

Catalog #	Accessory Description	Notes
MISBL	Minimally Invasive Adult Standard Blade	Use with Genesee MICS-compatible retractors
MIDBL	Minimally Invasive Adult Deep Blade	Use with Genesee MICS-compatible retractors
SOP	Suture Organizer (Reusable)	Ideal for MICS and complex exposure setup

\* All retractor components must be resterilized before each use. Refer to the Instructions for Use (IFU) for full warnings, precautions, and reprocessing instructions.  
CAUTION: Federal law (USA) restricts this device to sale by, or on the order of, a physician.



# MiniMax™ – Minimally Invasive Thoracic Retractor

Multipurpose Retractor for Minimally Invasive Thoracic Access

## Designed For:

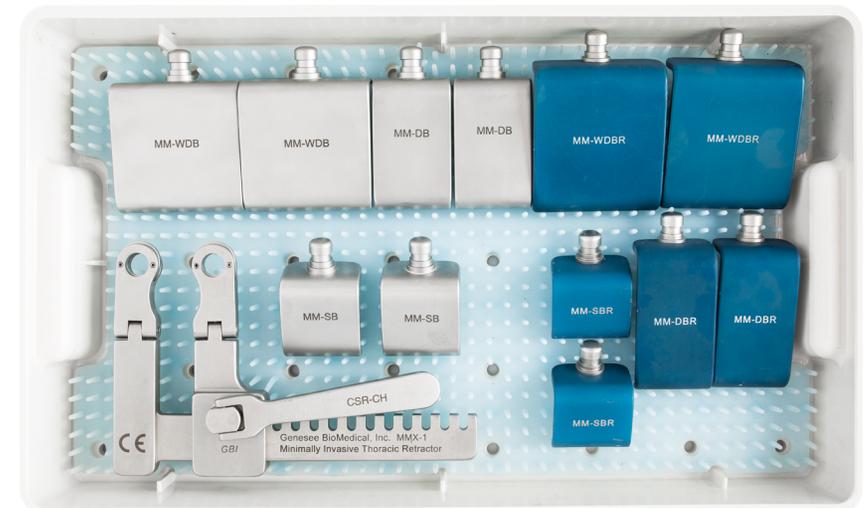
- ✓ Minimally invasive thoracic procedures
- ✓ TAVR, thoracotomy, and port-access approaches
- ✓ Surgeons requiring blade modularity based on anatomy or imaging needs

## Key Features:

- ✓ Compact frame with hinged arms distributes pressure evenly across incision
- ✓ Blade sets available in stainless steel or radiolucent aluminum
- ✓ Three blade depths provide adaptability across patient anatomies
- ✓ Dual-material kit allows intraoperative flexibility between image compatibility and retraction strength
- ✓ All components are **fully reusable** and compatible with standard sterilization trays

## Clinical Considerations

- ✓ Ideal platform for thoracic access in minimally invasive cardiovascular procedures
- ✓ Radiolucent options support intraoperative imaging workflows
- ✓ Designed for easy setup, low-profile access, and reliable exposure
- ✓ Suitable for TAVR and thoracotomy approaches requiring compact, stable retraction



## MiniMax™ Ordering Reference

### MMX-1

MiniMax™ with Stainless Steel Blades Includes the following (rack: 124 mm, arms: 79 mm):

Qty	Catalog #	Description	Dimensions
2	MM-SB	Standard Blade	27 mm wide × 25 mm deep
2	MM-DB	Deep Blade	27 mm wide × 40 mm deep
2	MM-WDB	Wide Deep Blade	45 mm wide × 40 mm deep
1	PST-ST5	Sterilization Tray	—

### MMX-1R5

MiniMax™ with Radiolucent Aluminum Blades

Qty	Catalog #	Description	Dimensions
2	MM-SBR	Aluminum Standard Blade	27 mm wide × 25 mm deep
2	MM-DBR	Aluminum Deep Blade	27 mm wide × 40 mm deep
2	MM-WDBR	Aluminum Wide Deep Blade	45 mm wide × 40 mm deep
1	PST-ST5	Sterilization Tray	—

### MMX-1RS

MiniMax™ with Stainless Steel & Radiolucent Aluminum Blades

Qty	Catalog #	Description	Dimensions
2	MM-SBR	Aluminum Standard Blade	27 mm wide × 25 mm deep
2	MM-DBR	Aluminum Deep Blade	27 mm wide × 40 mm deep
2	MM-WDBR	Aluminum Wide Deep Blade	45 mm wide × 40 mm deep
2	MM-SB	Stainless Steel Standard Blade	27 mm wide × 25 mm deep
2	MM-DB	Stainless Steel Deep Blade	27 mm wide × 40 mm deep
2	MM-WDB	Stainless Steel Wide Deep Blade	45 mm wide × 40 mm deep
1	PST-ST5	Sterilization Tray	—



# Pediatric & Neonatal Retractors



Made for the Tiniest Hearts. Built for Big Impact.

At Genesee, we understand that pediatric and neonatal cardiac surgery is not just about working smaller — it's about working smarter, gentler, and more precisely. Our retractor systems are purpose-built to meet the specific needs of pediatric and neonatal patients, providing trusted access from **0.5 kg preterm infants to 45 kg children**.

This section outlines three size-specific systems, each with modular configurations to support the full spectrum of congenital cardiac repairs:

- **Neonate Retractor** (0.5–5 kg) – fixed-blade design, minimal profile
- **Pediatric Retractor** (2–15 kg) – modular with optional rakes and accessories
- **Child Retractor** (15–45 kg) – broader exposure, ideal for older pediatric patients

Each system features curved geometry to distribute pressure evenly across the sternum while conforming to the patient's anatomy — minimizing trauma while maximizing visibility and access.

## Quick Guide to Patient Sizing

System	Weight Range	Best Used For
Neonate Retractor	0.5–5 kg	Preterm & newborn repairs
Pediatric Retractor	2–15 kg	Pediatric congenital procedures
Child Retractor	15–45 kg	Older pediatric patients requiring broader exposure





# Neonatal Curved Sternal Retractors



Built for the Smallest Patients. Engineered for Big Precision.

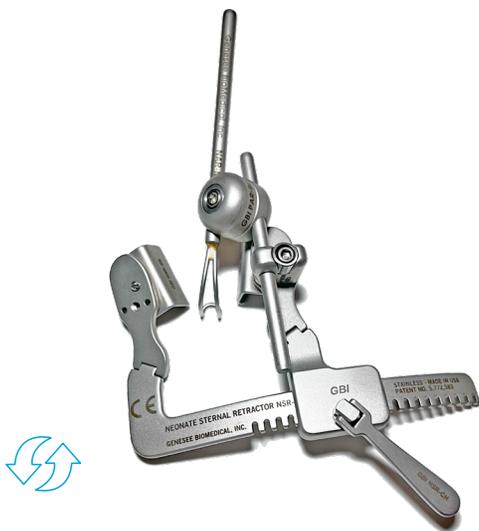
Genesee's neonatal retractor system is optimized for newborns and preterm infants weighing 0.5–5 kg. With anatomic curved shape and pivoting blades, these retractors deliver exposure with minimal footprint and reduce trauma caused by opening the chest. Optional rake kits extend versatility for more complex procedures.

## Designed For:

- ✓ Cardiac repair in neonates and preterm infants
- ✓ Teams requiring compact, intuitive retraction systems
- ✓ Cases requiring optimal exposure with limited trauma

## Key Features:

- ✓ Compact curved rack conforms to newborn anatomy
- ✓ Neonate-specific rakes, clamps, and bars available
- ✓ All kits provided with sterilization tray



## Ordering Information: Neonatal Curved Sternal Retractors

### NSR-1 – Neonate Sternal Retractor

Qty	Catalog #	Product Description
1	NSR-CR	Curved Retractor (76 mm) with Fixed/Moving Arms and Attached Blades (9 × 18 mm)
1	NSR-CH	Neonate Cog Handle
1	PST-ST5	Sterilization Tray

### NSR-AR – Neonate Retractor with Atrial and Aortic Accessories

Qty	Catalog #	Product Description
1	NSR-CR	Neonate Curved Retractor with Fixed/Moving Arms and NSR-CH Handle
1	NAR-SR	Small Neonate Rake
1	NAR-MR	Medium Neonate Rake
1	NAR-LR	Large Neonate Rake
1	NSR-PC	Neonate Pillar Clamp
3	PAR-BC	Pediatric Ball Clamp
2	NAR-MB	Neonate Mounting Bar
2	SR-HW	Small Hex Wrench
1	PST-ST5	Sterilization Tray



# Pediatric and Child Curved Sternal Retractors



Curved to Comfort. Built to Expose.

For pediatric congenital heart procedures, Genesee's curved retractor systems provide reliable exposure while prioritizing anatomical sensitivity. Designed for patients ranging from 2–45 kg, our pediatric offerings include both **Child** and **Pediatric** sets, available with or without advanced rake systems. Each system is modular, sterilizable, and built for flexibility in smaller operative fields.

## Designed For:

- ✓ Pediatric cardiac surgeries and valve repair for:
- ✓ Pediatric congenital procedures patients between 2-15 kg and older pediatric patients requiring broader exposure between 15-45 kg



## Key Features:

- ✓ Curved racks distribute opening pressure evenly
- ✓ Multiple blade sizes included per set - blades are free to pivot 10° in either direction and will automatically align with the cut edges of the sternum to distribute pressure evenly over the length of the blades
- ✓ Compact footprint to minimize trauma in smaller patients

## Key Takeaways:

- ✓ Genesee's full retractor portfolio supports cardiac procedures across the entire pediatric spectrum
- ✓ Modular kits allow teams to choose fixed or expandable options, with and without rakes
- ✓ All tools available as standalone or bundled configurations



## Ordering Information: Pediatric Curved Sternal Retractors

### PSRC-1 – Pediatric Sternal Retractor

Qty	Catalog #	Product Description
1	PSR-CR	Pediatric Curved Rack (122 mm) with Arms (82 mm)
1	PSR-CH	Pediatric Cog Handle
2	PSR-SB	Standard Blade (44 mm wide × 16 mm deep)
2	PSR-NB	Newborn Blade (22 mm wide × 18 mm deep)
1	PST-ST5	Sterilization Tray

### PSRC-AR – Pediatric Sternal Retractor with Atrial and Aortic Rakes

Qty	Catalog #	Product Description
1	PSR-CR	Pediatric Curved Rack (122 mm) with Arms (82 mm)
1	PSR-CH	Pediatric Cog Handle
2	PSR-SB	Standard Blade
2	PSR-NB	Newborn Blade
1	PAR-SLR	Small Atrial Rake
1	PAR-LAR	Long Atrial Rake
2	PAR-MLR	Medium Atrial Rake
1	PAR-LRR	Large Atrial Rake
2	PAR-LLR	Large Right Atrial Rake
4	PAR-BC	Pediatric Ball Clamp
1	PAR-PC	Pediatric Pillar Clamp
1	PAR-HR	“H” Mounting Rod
2	PAR-MB	Mounting Bar
2	SR-HW	Small Hex Wrench
1	PST-ST5	Sterilization Tray

## Ordering Information: Child Curved Sternal Retractors

### CSR-1 – Child Sternal Retractor

Qty	Catalog #	Product Description
1	CSR-CR	Curved Rack (180 mm) with Fixed and Moving Arms (130 mm)
1	CSR-CH	Child Cog Handle
2	CSR-CB	Child Sternal Blade (66 mm wide × 19 mm deep)
2	CSR-SB	Standard Sternal Blade (45 mm wide × 15 mm deep)

### CSR-AR – Child Sternal Retractor with Atrial and Aortic Rakes

Qty	Catalog #	Product Description
1	CSR-CR	Curved Rack (180 mm) with Fixed and Moving Arms (130 mm)
1	CSR-CH	Child Cog Handle
2	CSR-CB	Child Sternal Blade
2	CSR-SB	Standard Sternal Blade
1	MIR-SAR	Small Left Atrial Rake
1	MIR-LAR	Long Left Atrial Rake
2	MIR-MAR	Medium Left Atrial Rake
1	PAR-LRR	Large Right Atrial Rake
1	PAR-PC	Pediatric Pillar Clamp
4	PAR-BC	Pediatric Ball Clamp
2	PAR-MB	Pediatric Mounting Bar
1	PAR-HR	“H” Mounting Rod
2	SR-HW	Small Hex Wrench

\* Products must be sterilized prior to use.

\* Accessories may be ordered separately using catalog numbers provided.

\* Refer to the Instructions for Use (IFU) for complete warnings, precautions, and adverse events.

CAUTION: Federal law (USA) restricts this device to sale by, or on the order of, a physician.



# Aortic Valve Repair Toolkit

Measured Precision. Reusable by Design.

Genesee's Aortic Valve Repair Toolkit is designed for surgeons performing complex aortic procedures who require accurate, repeatable measurements of the aortic valve and to assess the aortic annulus. This reusable system includes **Annular Sizers** and **Cusp Calipers** to support intraoperative assessment and geometric planning.

Each tool allows for confident evaluation of anatomical dimensions, ensuring the surgeon has clear data to inform decision-making. Flexible and presented in a convenient sterilization tray, this toolkit supports streamlined preparation and performance.

## Key Features:

- ✓ Enables precise assessment of the aortic annulus and cusps
- ✓ Fully reusable construction
- ✓ Flexible annular sizers
- ✓ Clear etched sizing indicators for quick intraoperative use
- ✓ Balanced, ergonomic design for optimal handling
- ✓ Available individually or as a complete kit



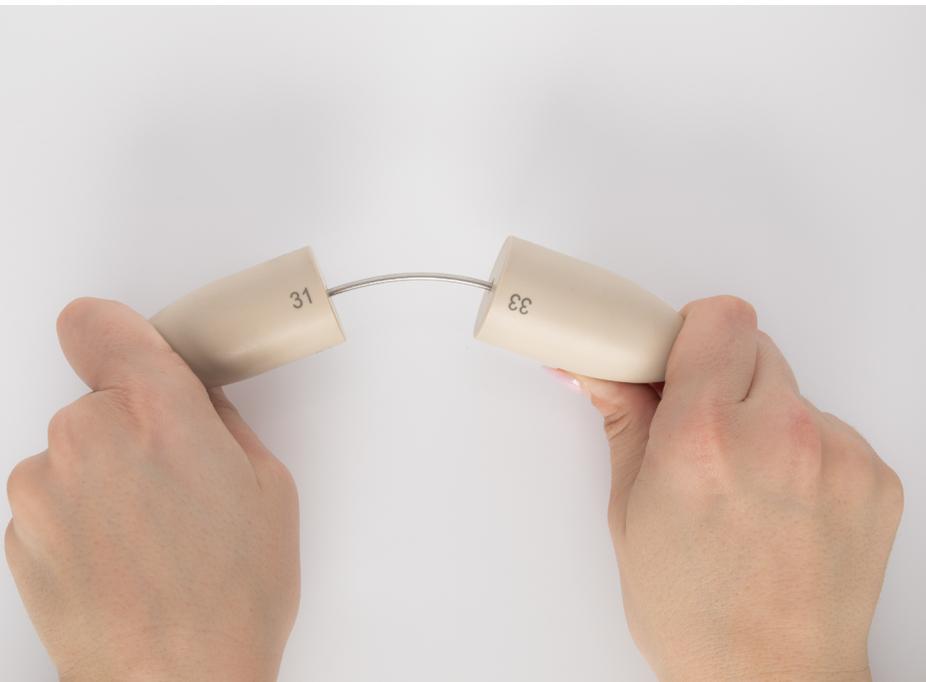
Accurate assessment of cusp and root geometry is an essential component for achieving functional results with aortic valve repair



## Complete Kit Configuration

### ART-2 – Aortic Tool Kit with Annular Sizers and Cusp Calipers

Qty	Catalog #	Product Description
1	ASR-19/21	19/21 mm Annular Sizer
1	ASR-23/25	23/25 mm Annular Sizer
1	ASR-27/29	27/29 mm Annular Sizer
1	ASR-31/33	31/33 mm Annular Sizer
1	ARC-6	6 mm Aortic Cusp Caliper
1	ARC-7	7 mm Aortic Cusp Caliper
1	ARC-8	8 mm Aortic Cusp Caliper
1	ARC-9	9 mm Aortic Cusp Caliper
1	ARC-10	10 mm Aortic Cusp Caliper
1	PST-ST5	Sterilization Tray



## Individual Components & Ordering Reference

### Annular Sizers

Catalog #	Product Description
ASR-19/21	19/21 mm Annular Sizer
ASR-23/25	23/25 mm Annular Sizer
ASR-27/29	27/29 mm Annular Sizer
ASR-31/33	31/33 mm Annular Sizer

### Cusp Calipers

Catalog #	Product Description
ARC-6	6 mm Aortic Cusp Caliper
ARC-7	7 mm Aortic Cusp Caliper
ARC-8	8 mm Aortic Cusp Caliper
ARC-9	9 mm Aortic Cusp Caliper
ARC-10	10 mm Aortic Cusp Caliper

### Accessory

Catalog #	Product Description
PST-ST5	Sterilization Tray

\* All components are reusable and must be sterilized prior to use.

\* Refer to the Instructions for Use (IFU) for full indications, warnings, and precautions.

CAUTION: Federal law (USA) restricts this device to sale by, or on the order of, a physician



# Robotic Surgery Tools - ROBOTx Toolkit

Minimally Invasive Tools. Made for Robotic Reach and Surgical Flow.

Our robotic toolkit was created to support precision, control, and flow during robotic-assisted valve repair procedures. Whether knot tying, suction management, or valve sizing — these reusable, minimally invasive instruments are trusted for their simplicity, durability, and robotic compatibility.

## Designed For:

- ✓ Port-based mitral and tricuspid repair procedures
- ✓ Robotic-assisted procedures requiring long-reach instruments
- ✓ Surgical teams managing fine motor movements through limited access

## Toolkit Instruments

- ✓ **Suture Hooks:** Choose left- or right-facing tools for suture manipulation
- ✓ **Suction Tools:** Specialized suction tools for chest wall and hard to reach areas
- ✓ **Knot Pushers:** Open or closed options to fit personal technique
- ✓ **Valve Sizers:** Reliable intraoperative confirmation of ring/band selection
- ✓ **Thoracic Ports** – Stainless steel ports with polymer obturators, designed to minimize trauma and enable valve repair, ASP, and other cardiac procedures through small thoracic access points

## Toolkit Highlights

- ✓ Extended instrument lengths optimized for thoracic entry
- ✓ Ergonomic hook and knot delivery tools
- ✓ Stainless steel valve sizers (sizes 25–33 mm)
- ✓ Fully reusable and supplied non-sterile

### Robotic Surgery Tools - ROBOTx Toolkit – Ordering Info

These instruments were designed for long-shafted access and can support robotic or port-based mitral repairs.

Qty	Catalog #	Product Description
1	RSH-L	Robotic Suture Hook – Left
1	RSH-R	Robotic Suture Hook – Right
1	RTK-BTS	Ball Tip Suction Tube
1	RTK-LDS	Large Diameter Suction Tube
1	RTK-KPO	Knot Pusher – Open
1	RTK-RKP	Knot Pusher – Closed
1 (Set of 5)	RTK-VSS	Stainless Steel Valve Sizer Set
1 (Set of 9)	FRBS	Flexible Silicone Sizers (Sizes 24–40 mm)
1	RPS-1850	Thoracic Port with Obturator – 18 mm ID, 50 mm Length
1	RPS-1870	Thoracic Port with Obturator – 18 mm ID, 70 mm Length
1	RPS-1890	Thoracic Port with Obturator – 18 mm ID, 90 mm Length
1	RPS-18110	Thoracic Port with Obturator – 18 mm ID, 110 mm Length





# Coronary Artery Probes

## Reliable Access for Critical Assessment

Genesee's reusable **Coronary Artery Probes** are designed to improve visualization and access to coronary arteries during bypass procedures. The **bendable tip** allows for accurate vessel alignment, helping reduce the risk of hemorrhage and improving control at the anastomosis site. By gently retracting the fat layer, these probes provide stable and repeatable exposure of critical vessels.

### Why Surgeons Choose Genesee Probes

- ✓ **Bendable Tip** enables precise vessel alignment during CABG
- ✓ **Improved Access** by retracting the fat layer at the anastomosis site
- ✓ **Reduced Hemorrhage Risk** through stable, gentle exposure
- ✓ **Reusable Stainless Steel Construction** for long-term value
- ✓ **Available in Multiple Sizes** to match surgeon preference and anatomy



### Ordering Information

#### Coronary Artery Probes – 140 mm Length

Catalog #	Size
CPH-1.00	1.00 mm
CPH-1.25	1.25 mm
CPH-1.50	1.50 mm
CPH-1.75	1.75 mm
CPH-2.00	2.00 mm
CPH-2.25	2.25 mm
CPH-2.50	2.50 mm
CPH-2.75	2.75 mm
CPH-3.00	3.00 mm
CPH 1-3	Set of 9 (1.00–3.00 mm)

#### Coronary Artery Probes – 191 mm Length

Catalog #	Size
CPH-1.00L	1.00 mm
CPH-1.25L	1.25 mm
CPH-1.50L	1.50 mm
CPH-1.75L	1.75 mm
CPH-2.00L	2.00 mm
CPH-2.25L	2.25 mm
CPH-2.50L	2.50 mm
CPH-2.75L	2.75 mm
CPH-3.00L	3.00 mm
CPH 1-3L	Set of 9 (1.00–3.00 mm)



# Single-Use Coronary Artery Bypass Graft Markers

Clear Visualization. Confident Follow-Up.

## Designed to Support Post-Op Clarity and Long-Term Confidence

Genesee's Coronary Graft Markers are implantable-grade tools designed to clearly mark bypass grafts for future identification. Whether for routine follow-up or complex re-interventions, our markers help clinicians reduce procedure time, limit the need for contrast media, and improve imaging confidence under fluoroscopy.

## Marker Types and Benefits

### Proximal Silicone Markers

- ✓ Made from **implantable-grade radiopaque silicone**
- ✓ Flexible material that **conforms to graft anatomy**
- ✓ **Dark color** for easy visibility during re-operation
- ✓ Supplied sterile, single-use

### Distal Stainless Steel Markers

- ✓ Made from **implantable-grade stainless steel**
- ✓ Optional **plastic holder** for easier manipulation
- ✓ Offers **distinct radiographic visibility**
- ✓ Available sterile or in non-sterile bulk, single-use

## Clinical Benefits

- ✓ **Quick and easy to implant**
- ✓ **Clear, unmistakable imaging** for graft identification

Helps reduce:

- ✓ **Fluoroscopy time**
- ✓ **Contrast media usage**
- ✓ **Number of angiographic catheters required**

Particularly useful for **interventional and diagnostic cardiologists** involved in post-op care





Ordering Information:  
Flexible Silicone Proximal Markers

Qty	Catalog #	Product Description
25/box	FM-PM-1	Proximal Silicone Marker (1 per pouch)
50/box	FM-PM-2	Proximal Silicone Marker (2 per pouch)
75/box	FM-PM-3	Proximal Silicone Marker (3 per pouch)

Ordering Information:  
Stainless Steel Distal Markers

Qty	Catalog #	Product Description
25/box	AMGM-SD	Distal Stainless Steel Marker (no holder)
25/box	AMGM-D	Distal Stainless Steel Marker with holder
100/bag	AMGM-BD	Distal Stainless Steel Markers, bulk non-sterile

# Additional Single-Use Surgical Accessories

Sterile. Simple. Designed for Cardiac Exposure.

Genesee's single-use tools provide safe and efficient solutions to support critical intraoperative exposure and protection. From gently insulating the phrenic nerve to retracting coronary fat for artery access, each product is engineered for intuitive performance and procedural value — without the need for reprocessing.

## Cardiac and Phrenic Insulator

- ✓ Uniquely shaped to insulate lateral/posterior heart walls and phrenic nerves
- ✓ Malleable stiffener aids in shaping and secure positioning
- ✓ Sterile and single-use for streamlined workflow

## Ordering Reference:

Qty	Catalog #	Product Description
10/box	CPI-M	Medium Cardiac and Phrenic Insulator

## Intra-Art® Coronary Retraction Clips

- ✓ Cost-effective solution for gently retracting the fat layer over the myocardium
- ✓ Improves coronary artery access and exposure without additional incisions
- ✓ Spring-loaded clip design retracts tissue upon manual release
- ✓ Available in two sizes

## Ordering Reference:

Qty	Catalog #	Product Description
10/box	CRC-3	3 mm Intra-Art® Coronary Retraction Clip
10/box	CRC-5	5 mm Intra-Art® Coronary Retraction Clip



# Contact

Shaped by Surgeons.  
Built for Better Outcomes.



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303-777-3000



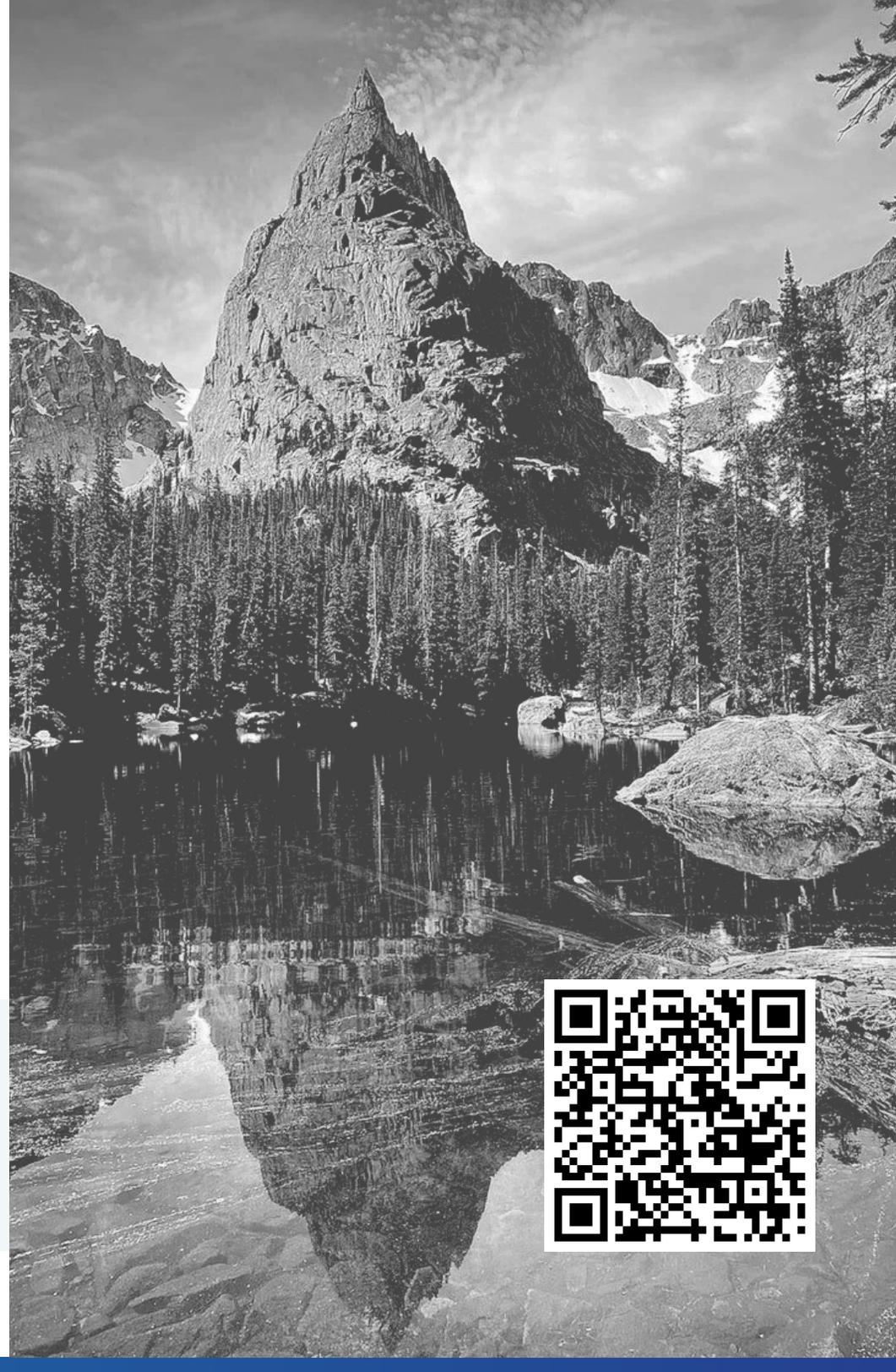
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[www.geneseebiomedical.com](http://www.geneseebiomedical.com)



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"Innovation begins with listening. Every great product we build starts with a surgeon's challenge."

— Matt Dambeck, CEO Genesee BioMedical, Inc





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