

MORE OPTIONS FOR MORE NATURAL REPAIR.

St. Jude Medical is committed to providing cardiac surgeons the most options for serving patients. Guidelines issued in 2006 by the American Heart Association and the American College of Cardiology encourage heart valve repair over replacement and recommend repair earlier in the valve disease process.¹ Our comprehensive portfolio of repair products—designed to mimic and support the shape or motion of the heart valve annulus with varying degrees of rigidity and flexibility—provides options to complement differing repair philosophies and techniques and suit each patient's need, fostering confidence in successful outcomes. In addition, our complete offering of leading mechanical valves and stented tissue valves with proven durability^{2,3} supports more extensive treatment when needed.

St. Jude Medical is focused on reducing risk by continuously finding ways to put more control into the hands of those who save and enhance lives.

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 **ST. JUDE MEDICAL**
MORE CONTROL. LESS RISK.

Not all products available in all markets.

Caution: Federal Law restricts this device to sale by or on the order of a physician or properly licensed practitioner. Please see the physician's manual for a full description of indications, contraindications, side effects, precautions, warnings, and instructions.

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Heart Valve Repair
Product Portfolio



 **ST. JUDE MEDICAL**
MORE CONTROL. LESS RISK.

Options to Match Any Repair Need.

The American Heart Association recommends valve repair over replacement whenever possible¹ because it better preserves heart function and has fewer post-operative risks. The family of repair products from St. Jude Medical offers options for any repair technique or valve disease.

Each product in the portfolio is designed to mimic or enhance the shape or motion of the valve annulus:

- The Tailor™ Flexible Annuloplasty Ring and Band and the Attune™ Flexible Adjustable Annuloplasty Ring are designed to preserve the physiologic motion of the annulus.
- The Séguin® Semi-Rigid Ring maintains annular dimensions while allowing physiologic motion.
- The SJM® Rigid Saddle Ring is designed to mimic the shape of a healthy mitral annulus.
- The Pericardial Patch conforms to the anatomy and is biologically stable for cardiac repairs.

Attune Flexible Adjustable Annuloplasty Ring

The Attune Flexible Adjustable Annuloplasty Ring is designed to support the natural movement of the annulus while post-implant adjustments promote ideal leaflet coaptation to reduce or eliminate residual regurgitation.

- A fully flexible design allows the natural movement of the annulus.
- Symmetrical and asymmetrical adjustability is designed to allow the ring size and shape to be fine-tuned to achieve ideal leaflet coaptation and match the annular size.
- The Attune Ring is indicated for mitral and tricuspid repair and is suitable for implant using open sternotomy, minimally invasive and robotic approaches.



Tailor Flexible Ring and Band

The fully flexible Tailor Ring and Band are designed to maintain the size of the repaired annulus while still allowing physiologic movement.

- Fully flexible design allows dynamic annular motion.
- The customizable ring and convenient C-band offer a simple alternative when partial annuloplasty is desired.
- The versatile system can be tailored to suit the patient's unique anatomical needs.
- The Tailor Ring and Band are indicated for mitral and tricuspid repair.

Séguin Semi-Rigid Annuloplasty Ring

The Séguin Semi-Rigid Annuloplasty Ring is designed to aid cardiac output and left ventricular function with a unique combination of rigidity and flexibility.⁴

- A semi-rigid tri-dimensional posterior section is designed to provide support and preserve the physiologic motion of the valve annulus.
- A more rigid anterior section promotes annular remodeling.
- The solid, one-piece inner core resists needle penetration, reducing the potential for suturing through the core.
- The Séguin Ring is indicated for mitral valve repair.



SJM Rigid Saddle Ring

The Rigid Saddle Ring is the first three-dimensional annuloplasty ring designed to restore the shape of a healthy mitral annulus.

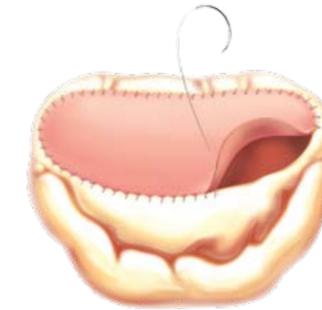
- A complete titanium core maintains the anatomical shape and provides annular remodeling.
- The saddle shape contributes to efficient distribution of leaflet stress and chordal tension, which may increase repair durability.⁵
- The Rigid Saddle Ring features the EZ Suture™ Cuff which provides a large suture target for easier implant.
- The Rigid Saddle Ring is indicated for mitral valve repair.



Pericardial Patch with EnCap™ AC Technology

The flexible, durable Pericardial Patch with EnCap AC Technology provides enhanced biocompatibility and lasting performance.

- Bovine pericardium provides improved handling and sutureability compared to synthetic patches.⁶
- Durable glutaraldehyde-fixed tissue with proprietary EnCap Anti-Calcification delivers excellent tissue healing, biocompatibility and long-term tissue stability.⁷
- Soft, pliable tissue conforms to the anatomy and easily sutures into place.
- The Pericardial Patch is indicated for cardiac and vascular reconstruction and repair.



St. Jude Medical is committed to putting more control into the hands of physicians and thereby reducing risk. As part of a comprehensive portfolio that delivers on this promise, our repair family of products is designed to provide more options that accommodate physician preference and patient need for a more physiological repair.