

TransForm™ McCarthy Mitral Annuloplasty Ring



Genesee
BIOMEDICAL, INC.

Shaped by Surgeons.
Built for Better Outcomes.

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

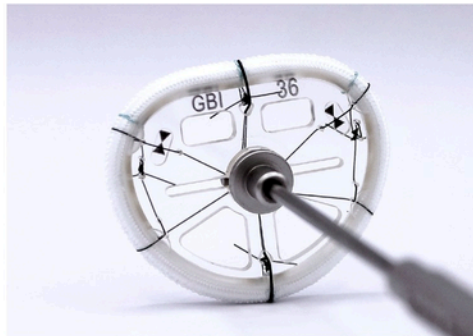
Minimally Invasive, Maximally Capable

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 valves¹



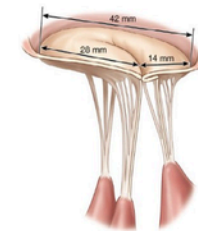
Surgical Planning and Sizing

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.

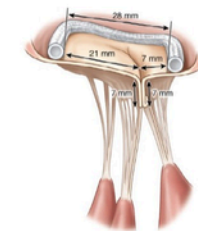
Ring selection can be guided by this measurement-driven method, enabling confident use across minimally invasive, robotic-assisted, or open repairs.

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

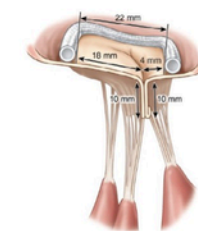
TransForm™ AP Diameter Determines Coaptation Length



“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

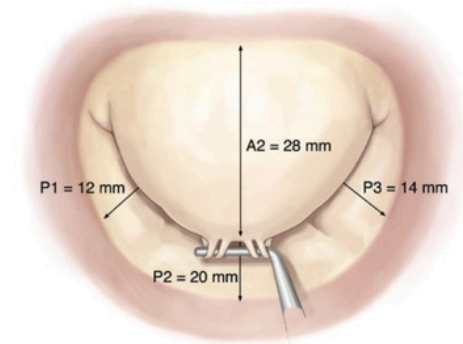
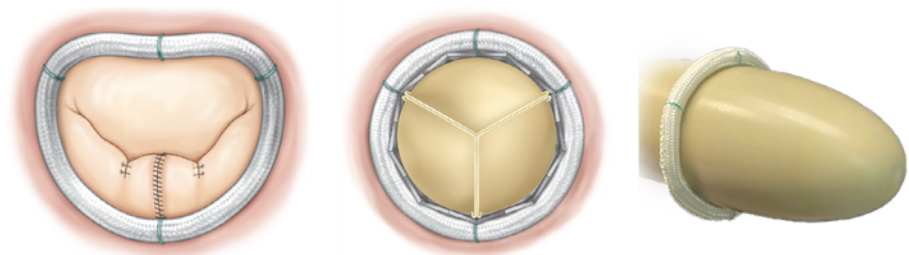


TransForm™ McCarthy Mitral Annuloplasty Ring



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



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

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

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.

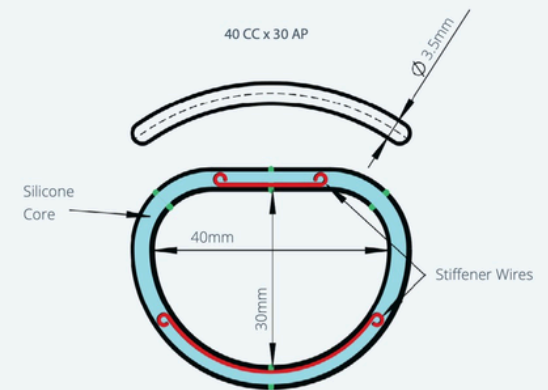
Catalog #	Product Name	Labeled Size	Internal Dimensions (CC x AP mm)
TF-24	TransForm™ Annuloplasty Ring	24	24 x 18 mm
TF-26	TransForm™ Annuloplasty Ring	26	26 x 19 mm
TF-28	TransForm™ Annuloplasty Ring	28	28 x 21 mm
TF-30	TransForm™ Annuloplasty Ring	30	30 x 22 mm
TF-32	TransForm™ Annuloplasty Ring	32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





TransForm™ McCarthy Annuloplasty Ring | Mitral Valve Repair for Open, MICS

Genesee Biomedical



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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.

Contact

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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

