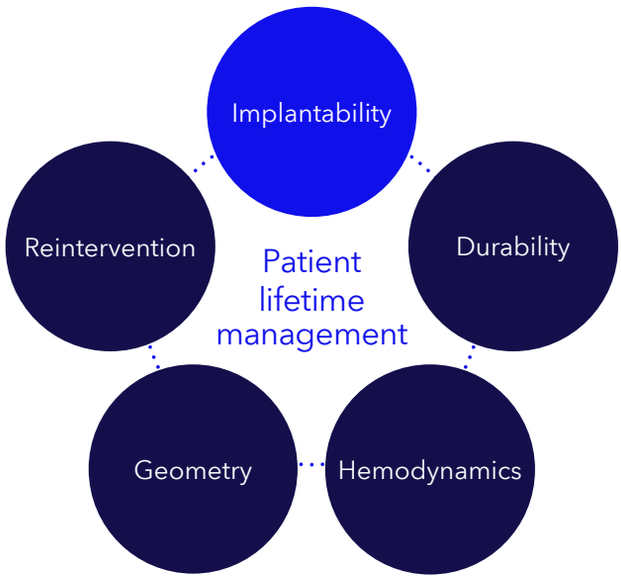
Medtronic

Mosaic™ Mitral Bioprosthesis

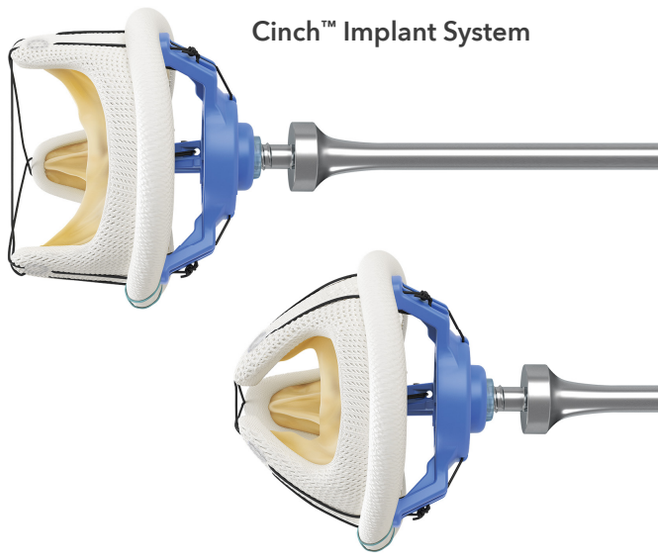
Designed with implantability in mind.

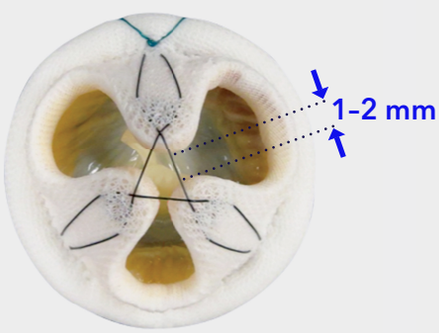


A smooth implant experience helps drive positive patient outcomes.

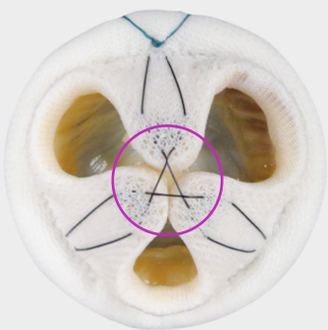
The Cinch implant system capitalizes on the flexible stent to facilitate valve implantation, particularly through tight patient anatomy:

- Aids minimally invasive procedures
- Helps prevent suture looping
- Protects tissue from inadvertent damage and prevents entanglement with the sub-valvular apparatus
- Clear marking for proper orientation assists with implantation
- Offers smooth needle penetration and suture placement with a fluffy, conformable cuff
- Provides improved visibility for proper implant orientation, which may reduce the risk of complications





Fully deflected
Correct



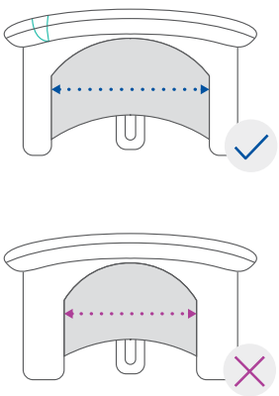
Over-deflected
Incorrect

Optimal deflection technique

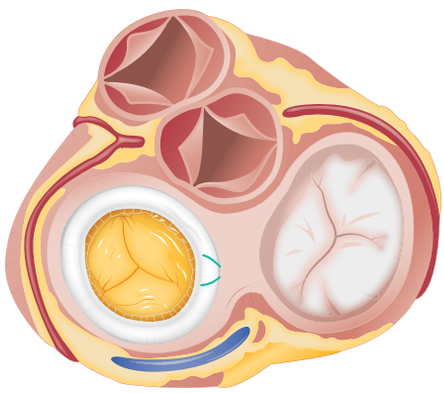
Actuate the ratchet mechanism of the holder by lightly grasping the sewing ring and rotating the handle clockwise. The mitral holder is considered fully deflected when a gap of 1–2 mm exists between any two of the three stent posts when viewed from the outflow aspect. The suture used to deflect the stent posts may break if the handle is over-tightened. Deflection beyond the fully deflected position does not provide increased ease of implant.

Orients to the native valve

The Mosaic stent reflects the asymmetry of the native porcine valve, and has one larger leaflet that's intended to align with the patient's anterior leaflet to accommodate ventricular flow.



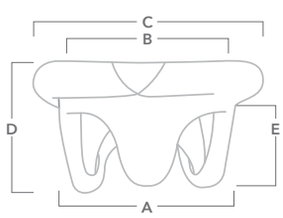
One leaflet on the Mosaic bioprosthesis is larger than the other two. This allows for a wider intercommissural distance to align with the LVOT. Other surgical valves have three equally spaced leaflets.



When the green suture marker is lined up with the right trigone, the valve is positioned properly.

Mosaic mitral valve, Model 310

Order number	Valve size (stent O.D.)† (± 0.5 mm)	Orifice diameter (stent I.D.) (± 0.5 mm)	Suture ring diameter (± 1 mm)	Valve height (± 0.5 mm)	Ventricular protrusion (± 0.5 mm)
	(A)	**(B)**	**(C)**	**(D)**	**(E)**
310C25	25	22.5	33.0	18.0	13.5
310C27	27	24.0	35.0	19.0	14.0
310C29	29	26.0	38.0	20.5	15.5
310C31	31	28.0	41.0	22.0	17.0
310C33	33	30.0	43.0	23.0	17.5



† Stent O.D. equivalent to annulus diameter.

Mosaic bioprosthesis accessories

Order number	Description
T7615MSM	Tray, accessory, Mosaic mitral
7639	Handle (234 mm length) pliant, without locknut to be used with Mosaic or Mosaic Ultra™ prostheses
7639XL	Handle (368 mm length) pliant, without locknut to be used with Mosaic or Mosaic Ultra prostheses
7310	Mosaic mitral obturator set (no handles, no tray)

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