

CORCYM MEMO

Memory in Motion

The semi-rigid annuloplasty
ring platform

Some memories last forever.

You don't forget your first patient, or the hard-won lessons of your career.

But memory can be just as powerful in cardiac function.

Corcym Memo is our full range of semi-rigid annuloplasty devices for mitral and tricuspid valve repair, holding the learnings of over two decades of product practice and refinement.

Featuring its unique laser-cut design and the shape-memory property, Corcym Memo restores the physiological movement of the valve while helping it return to its natural shape, time and time again. ^{1,2}

Like a memory in motion,
made to last.

2006

MEMO 3D

Unique to its core, with an innovative, shape-memory, laser-cut cell structure.

2013

MEMO 3D ReChord

Featuring the ReChord System, an innovative system for standardized and reproducible chord implantation, leading to faster procedures.

2018

MEMO 4D

Reshaping mitral repair with a unique range of sizes, gradual saddle shape and antero-posterior diameter increase.

2026

TRIMEMO®

The semi-rigid annuloplasty ring that brings the Memo platform's heritage to the tricuspid valve.

CORCYM MEMO

Technology

The Corcym Memo technology has been in the hands of surgeons since 2006, in the shape of the Memo mitral semi-rigid annuloplasty ring.

For two decades, it has demonstrated the ability to restore the 3D shape of the valve annulus and the physiological movement during the cardiac cycle, leading to optimized hemodynamics^{2,3,4}.

This is made possible through the right balance of rigidity and flexibility, thanks to the unique superelastic Nitinol core.

The Corcym Memo technology consists of a three-layer structure

Carbofilm coating

Reduces inflammatory reaction favoring a gentle endothelialization^{5,6}

Oval silicone sheath

Ease-of-implant with a perfect annular fit

Nitinol cell structure

Accommodates the diastolic phase and provides consistent recovery of the natural systolic profile^{3,4}

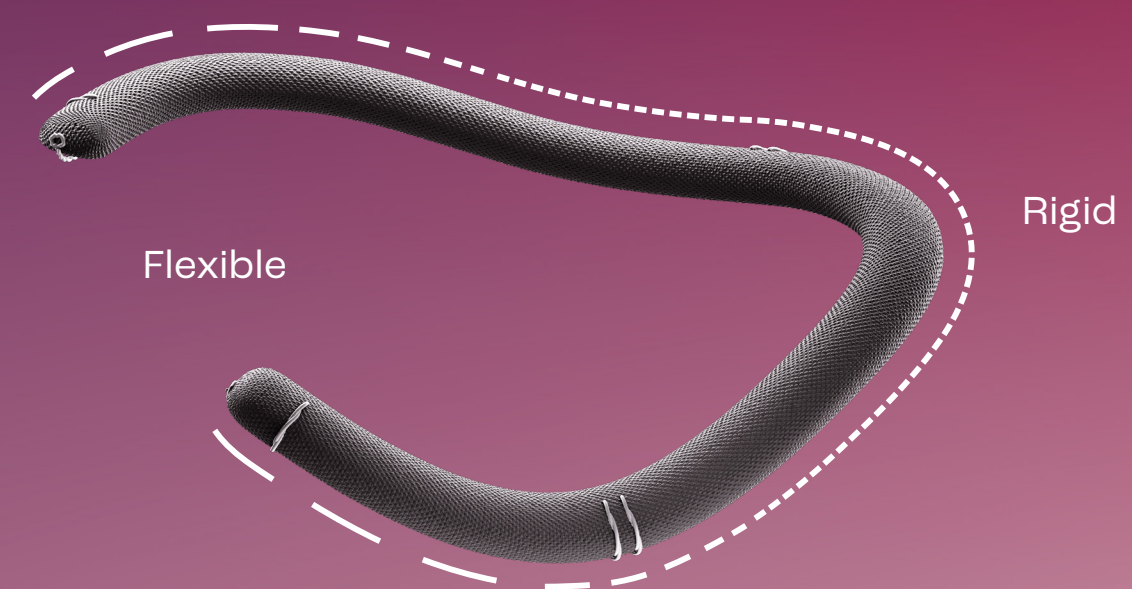
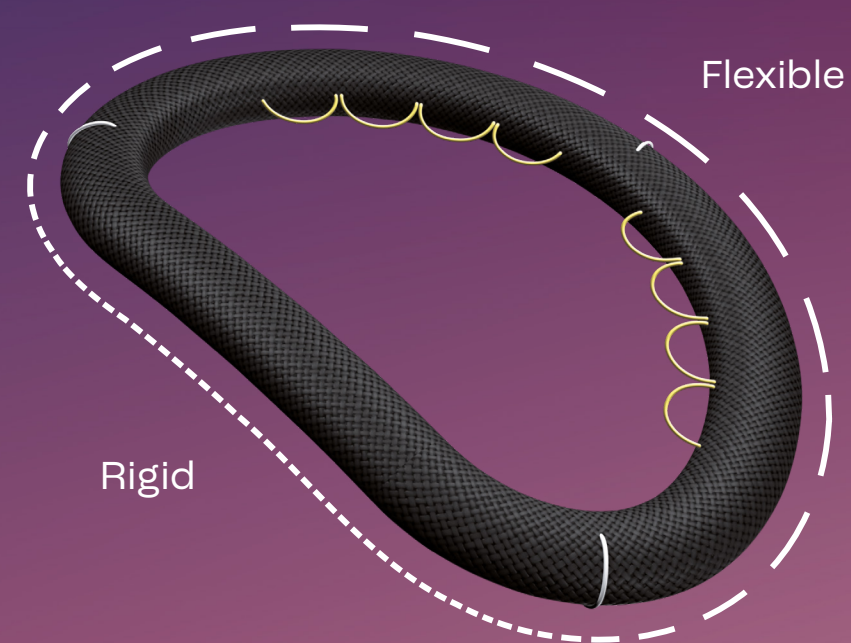


Memory in motion

Nitinol is a shape memory and superelastic material. If properly treated, it “remembers” a pre-fixed shape and can be flexed back and forth without losing it. This supports the physiological movement of the annulus, adapting and not constraining it.

Truly semi-rigid

The innovative cell-structure design, with varying cell dimensions, density, and orientations, allows the device to be tailored to the specific needs of the valve – mitral or tricuspid. It remodels where it needs to and moves where it should, restoring the natural function of the annulus.





Physiological 3D motion

By combining superelasticity and true semi-rigidity, Corcym Memo technology restores the 3D shape of the valve annulus and the physiological movement during the cardiac cycle, resulting in a physiological 3D motion.

Moreover, after implantation, Corcym Memo accommodates the physiological saddle shape of the annulus throughout the cardiac cycle.^{3,4}

A proven platform

Clinical evidence* of the Corcym Memo Platform demonstrates:

Systemic remodelling

Maximized Leaflet Coaptation and Reduced Stress^{1,2,5}

Saddle-shape restoration

while maintaining a physiological dynamic of the annulus⁹

Diastolic dynamics

Maximized Hemodynamics⁷, even 5 years after implantation^{3,8}

Quality of Life improvement

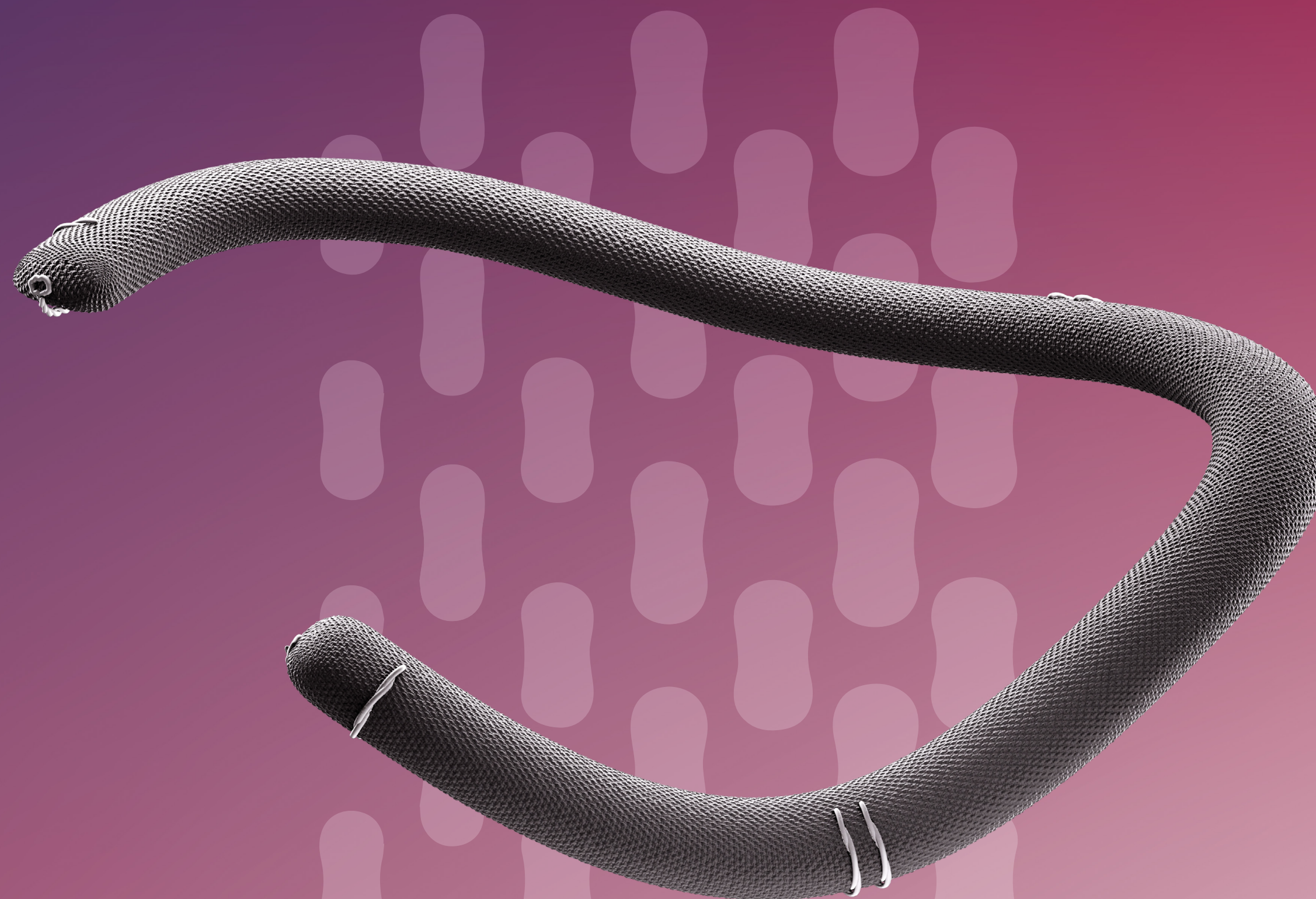
Moderate-to-large Quality of Life improvement at 30 days (KCCQ-12)¹⁰

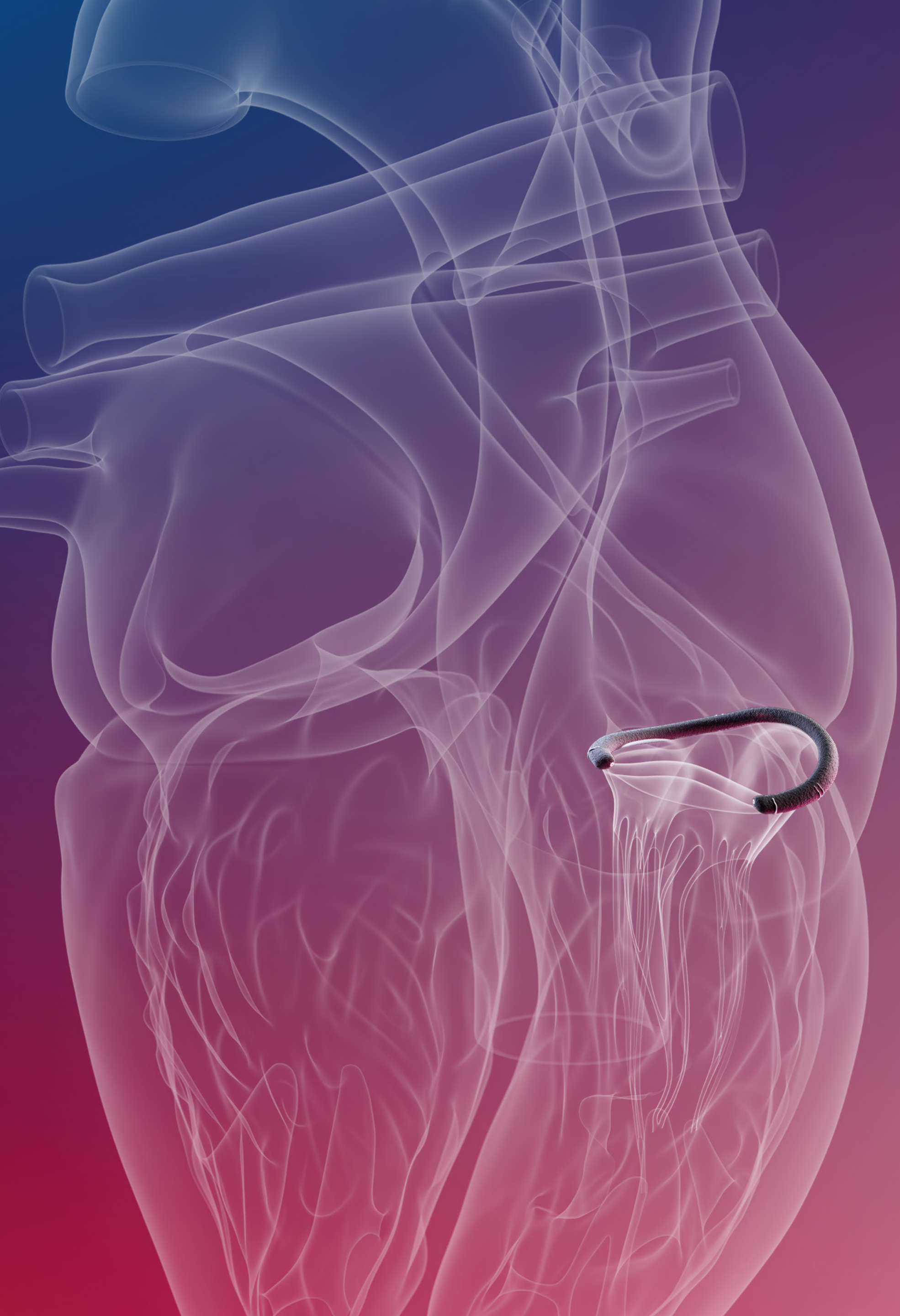
*Clinical data collected in the mitral position.

TRIMEMO®

Trusted. Tailored. Tricuspid.

In the recovery of your patient, every valve matters. TriMemo brings the proven semi-rigid performance of the Memo platform to the tricuspid valve. Engineered for the valve's unique physiology and featuring an open-ended design, TriMemo helps you restore the tricuspid's natural function.





Tailored to the tricuspid

The tricuspid is unique and so is our TriMemo annuloplasty ring. Every element of TriMemo's design - from the ring's 3D shape, to the placement of the laser-cut windows of the Nitinol core that delivers its semi-rigidity, to the open-ended design to preserve the rhythm - is specifically tailored with the tricuspid's physiology in mind.

Dynamic, like no other

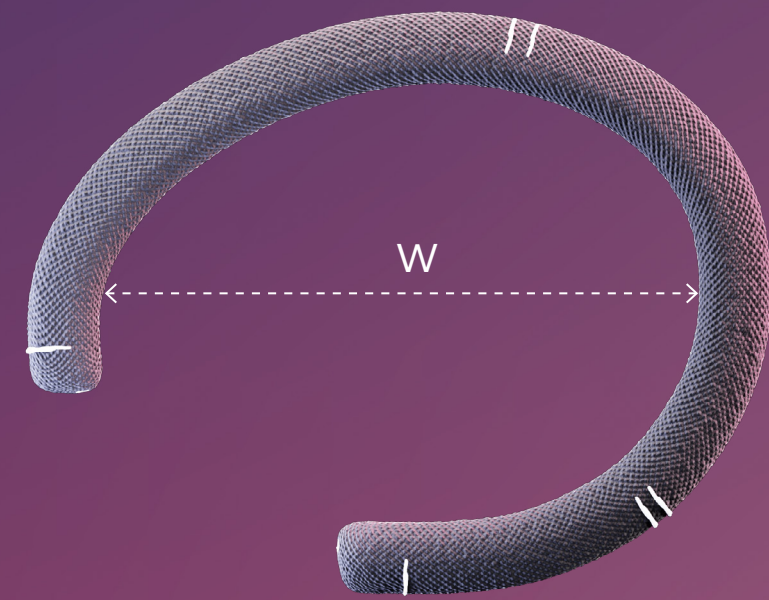
TriMemo is the only tricuspid annuloplasty ring that delivers true 3D physiological motion*, remodeling where it needs to and moving where it should. By combining in-plane semi-rigidity with out-of-plane compliance, TriMemo eliminates the clinical compromise between structural stability and anatomical flexibility.

Adapts to every approach

TriMemo is engineered for versatility across the full spectrum of surgical techniques, from sternotomy to robotics. Its detachable sizes allow passage through small incisions, and its low-profile holder maximizes visibility in restricted surgical fields, while the streamlined silicone filler and clear positioning markers facilitate efficient suturing.

*Among the tricuspid solutions compared in a bench test.

Product ordering information



Product

Code	Size	W (mm)
TRIM-26	26	25.1
TRIM-28	28	27.1
TRIM-30	30	29.1
TRIM-32	32	31.1
TRIM-34	34	33.1
TRIM-36	36	35.1



Accessories

Code	Name	Description
ICV0664	Uni Handle	Universal Bendable Handle
ICV1342	Extended Uni Handle	Universal Bendable Handle for MICS
ICV1362	Annuloplasty Ring Sizer Set	Complete Sizer Set (26 to 36 mm)

References

1. Nishi et al., **“Annular dynamics after mitral valve repair with different prosthetic rings: A real-time three dimensional transesophageal echocardiography study.”**, Surg Today 2016
2. Fattouch et al., **“A Comparison of 2 Mitral Annuloplasty Rings for Severe Ischemic Mitral Regurgitation: Clinical and Echocardiographic Outcomes.”**, Semin Thorac Cardiovasc Surg 2016
3. Ryomoto et al., **“Physiological mitral annular dynamics preserved after ring annuloplasty in mid-term period.”**, Gen Thorac Cardiovasc Surg 2017
4. Nishi et al., **“Annular dynamics of memo3D annuloplasty ring evaluated by 3D transesophageal echocardiography.”**, Gen Thorac Cardiovasc Surg. 2018
5. Bruno et al., **“Early Clinical Experience and Echocardiographic Results With a New Semirigid Mitral Annuloplasty Ring: The Sorin Memo 3D.”**, Ann Thorac Surg 2009
6. Della Barbera et al., **“Sovering annuloplasty rings: Experimental pathology in the sheep model.”**, Cardiovascular Pathology 2005
7. Ryomoto et al. **“Is Physiologic Annular Dynamics Preserved After Mitral Valve Repair With Rigid or Semirigid Ring?”**, Ann Thorac Surg 2014
8. Santarpino et al., **“First-in-man implantation of a Sorin Memo 3D ring: Mitral annular flexibility is still preserved at 5 years of follow-up!”**, International Journal of Cardiology 2012
9. Fione et al., **“Clinical and echocardiographic results of the MEMO 4D semi-rigid annuloplasty ring”**, J Cardiothorac Surg 2024
10. Dzemali et al., **“Mitral valve repair with the semi-rigid Memo 4D annuloplasty ring: early clinical and echocardiographic outcomes from the MANTRA study”**, Interdiscip Cardiovasc Thorac Surg 2024

INTENDED USE/INDICATIONS

The Memo platform is a family of annuloplasty rings intended to restore the proper mitral/tricuspid valve leaflet coaptation and valve function by reshaping the annulus. The Memo family is indicated for use in patients suffering from congenital or acquired mitral/tricuspid insufficiencies or steno-insufficiencies with dilatation and/or deformation of the annulus. The decision to undertake a valve repair must remain with the surgeon after having evaluated short- and long-term risks and benefits towards alternative procedures and on the visual inspection of the lesion in the individual case.

KEY CONTRAINDICATIONS

The annuloplasty rings should not be used in the case of: severe organic lesions with retraction of chordae tendinae; congenital malformations with limited valvular tissue; extensive calcification of valve leaflets; evolving bacterial endocarditis. For TriMemo: greatly dilated annulus (not reducible by standard techniques).

KEY WARNINGS

The annuloplasty ring is a single-use device and is intended for single patient use only. Do not sterilize the accessory instrumentation by ethylene oxide (EtO) or radiation methods. Use only appropriate

accessories supplied by Corcym. The use of sizers provided by other manufacturers or the use of the sizing technique employed for another manufacturer's annuloplasty ring may result in misleading sizing information. For Memo 3D ReChord/Memo 4D: do not cut the yellow loops of the RCS. Do not pull the blue and yellow knots of the RCS threads contemporarily. Do not attempt to remove the yellow thread loops by pulling the yellow knot without having completely removed the blue thread first. The device is not suitable for tricuspid valve repair.

TOP POTENTIAL SIDE EFFECTS

The use of prosthetic annuloplasty rings is associated with serious potential complications, which include: death, reoperation and explant, Endocarditis, Sepsis, Anaphylactic shock, Fever, Skin rushes, Epatic impairment, Renal impairment, Anemia, Cardiogenic shock, Myocardial infarction, Tissue damage, Necrosis, Arrhythmia, Stroke/TIA, Multiple organ dysfunction syndrome, Teratogenic effect, Cancer, Decompensated Haemolitic anemia, Heart failure.

MRI CONDITIONAL

For professional use. Instructions for Use are available upon request through the manufacturer's website. Not all devices in Memo platform are approved in all geographies. Follow your labeling

Manufactured by:
Corcym S.r.l.
Via per Crescentino sn
13040 Saluggia (VC) Italy
Tel: +39 0161 1640001
corcym.com
© 2026 all rights reserved

