

MEMO 4DTM

Designed to support a comprehensive range of techniques¹



RESHAPING MITRAL REPAIR



OF SIZES

Up to size 42 mm

to treat large annuli

PROGRESSIVE INCREASE OF THE ANTEROPOSTERIOR DIAMETER

Helps accommodate excess leaflet tissue and reduces the risk of Systolic Anterior Motion (SAM)⁹

Unique Range of Sizes

A COMPLETE RANGE OF SIZES TO MEET A SIZE-SPECIFIC REPAIR PRINCIPLE. THE 42 MM SIZE IS UNIQUE TO MEMO 4D.

24* 26 28 30 32 34 36 38 40 42 mm size range





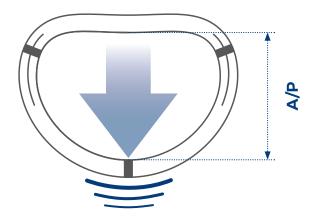


^{*} Made to order

Progressive Increase of the Anteroposterior Diameter

THE PROGRESSIVE INCREASE OF THE ANTEROPOSTERIOR DIAMETER OF MEMO 4D.

from size 34 to size 42, helps accommodate excess leaflet tissue, while reducing the risk of systolic anterior motion (SAM).⁹



Exclusive Gradual Saddle Shaping

THE ANTERIOR SADDLE SHAPE IS GRADUALLY ENHANCED FROM SIZE 34 TO SIZE 42.

Memo 4D is designed to restore the physiological geometry in enlarged annuli that have lost their three-dimensional profile.8



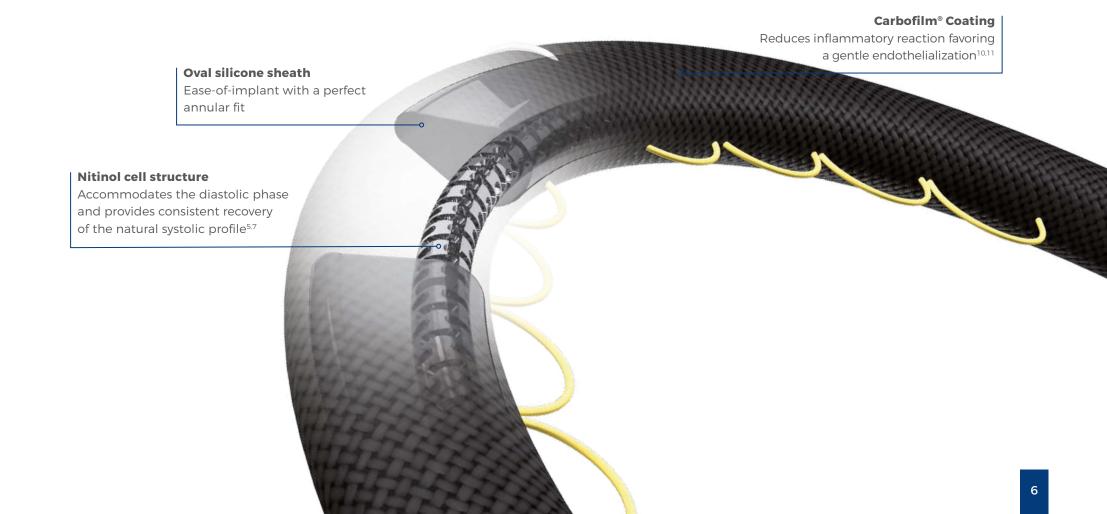


The anterior saddle shape is gradually enhanced from size 34 to size 42. Memo 4D is designed to restore the physiological geometry in enlarged annuli that have lost their three-dimensional profile.8

Three layer structure

THE RIGHT BALANCE OF RIGIDITY AND FLEXIBILITY TO COVER A COMPREHENSIVE RANGE OF MITRAL VALVE REPAIR NEEDS.1

MEMO 4D, semi-rigid annuloplasty ring, provides the stability and support to the annulus while providing dynamic flexibility of movement.¹

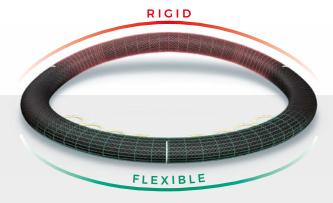


Stability and Support

THE RIGHT BALANCE OF RIGIDITY AND FLEXIBILITY TO COVER A COMPREHENSIVE RANGE OF MITRAL VALVE REPAIR NEEDS.

MEMO 4D, semi-rigid annuloplasty ring, provides the stability and suppor to the annulus while providing dynamic flexibility of movement.¹

THE NATURAL ANNULAR DYNAMICS OF THE MEMO PLATFORM IS CLINICALLY PROVEN AND ACKNOWLEDGED. 5.7



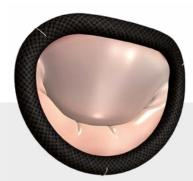
"MEMO 3D preserves annular dynamics and folding dynamics."¹²

"MEMO 3D allows for contraction during systole, an increased depth of coaptation of the leaflets and an improvement in annular orifice area during diastole."¹⁰

Optimized Hemodynamics^{5,6,7}

TRULY PHYSIOLOGICAL THREE-DIMENSIONAL MOTION

of the mitral annulus with a natural anterior/posterior to lateral/lateral relationship to maximize blood flow,⁷ even five years after implantation.^{5,13}



Systolic remodellingMaximized Coaptation
and Reduced Stress^{6,7,10}



Diastolic dynamicsMaximized
Hemodynamics¹²

"In our study, the semi-rigid MEMO 3D annuloplasty ring was associated with a better hemodynamic at rest and during exercise and clinical status."

Ease-of-Implant

THE "SLIM FIT" RING DESIGNED TO FIT OPTIMALLY TO THE PATIENT ANNULUS.



Wide, streamlined silicone filler facilitates suturability

Designed to optimally fit to the mitral annulus

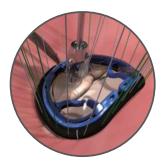


A FULLY VERSATILE HOLDER



Chordal window Neochordae can pass through the aperture

One-cut removal
Single cut to unhook
the whole holder

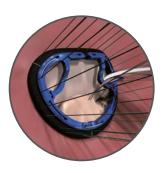




Designed to facilitate mics approach

Low-profile holder

Ultra-slim template with two handles



ReChord System

A CHORDAL SIZING SYSTEM THAT AIMS TO STANDARDIZE NEOCHORDAE IMPLANTATION WITHOUT THE NEED FOR PHYSICAL MEASUREMENT.^{2,3}

A series of loops in the posterior region act as temporary reference elements for easier length sizing of chords for both anterior and posterior repair. The innovative system promotes standardized chord implantation, offering a reproducible technique while accelerating procedure times.^{3,14}



"The chordal guiding system markedly reduces the time of the procedure by facilitating sizing and knotting." ¹⁵

PRODUCT ORDERING INFORMATION

CODE	SIZE	A (MM)*	N° LOOPS
4DM-24	24**	24	6
4DM-26	26	26	6
4DM-28	28	28	6
4DM-30	30	30	6
4DM-32	32	32	6
4DM-34	34	34	8
4DM-36	36	36	8
4DM-38	38	38	8
4DM-40	40	40	8
4DM-42	42	42	8



ACCESSORIES ORDERING INFORMATION

CODE	NAME	DESCRIPTION	
ICV0664	Uni Handle	Universal Bendable Handle	Uni Handle
ICV1342	Extended Uni Handle	Universal Bendable Handle for MICS	Extended Uni Handle for MICS MEMO 4D Sizer Set
ICV1357	Annuloplasty Ring Sizer Set	Complete Sizer Set (24 to 42 mm)	
ICV1358	Annuloplasty Ring Accessory Tray	Empty Instrument Tray	Instrument Set

^{*} Inner metal core diameter

^{**} Made to order

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INTENDED USE/INDICATIONS

EUROPE, US: Memo 4D device is intended to reshape and support the mitral annulus after the surgical repair. The use of the Memo 4D device is indicated for use in patients suffering from congenital or acquired mitral insufficiencies or steno-insufficient with dilatation and deformation of the mitral annulus.

AUSTRALIA: Memo 4D device is intended for correction of mitral insufficiencies or steno-insufficiencies. The use of the Memo 4D device is indicated for correction of congenital or acquired mitral insufficiencies with dilatation and deformation of the mitral annulus.

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.

KEY WARNINGS

The annuloplasty ring is a single-use device and is intended for single patient use only. Do not attempt to clean, resterilize, or reuse any prosthesis. Do not sterilize the annuloplasty ring or accessory instrumentation by ethylene oxide (EtO) or radiation methods. The device is not suitable for tricuspid valve repair. 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. 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.

TOP POTENTIAL SIDE EFFECTS

The use of mechanical prosthetic annuloplasty rings is associated with serious potential complications, which include: death; reoperation and explant; residual or recurrent regurgitation; stenosis; thromboembolism; hemolysis; atrio-ventricular block; endocarditis; low cardiac output; right heart failure; failure or degeneration of the natural valvular apparatus due to progression of disease, endocarditis, incomplete/inadequate repair of the valvular and subvalvular structures; obliteration of the circumflex coronary artery due to surgical suturing; partial/total ring dehiscence; complications related to prolonged bypass, aortic cross-clamping, and inadequate myocardial protection; partial dislodgment of the ring from its site of attachment; malfunction of the ring due to distortion or fracture at implant or physical or chemical deterioration of ring components; fabric tearing due to the use of cutting needles or serrated forceps: bleeding complications related to the use of anticoagulant therapy; systolic anterior motion (SAM) and left ventricular outflow tract obstruction (LVOTO); prosthesis thrombosis; infection.

MRI conditional

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



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Corcym S.r.l. previously Sorin Group Italia S.r.l.



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