MEMO 4D®
Reshaping Mitral Repair

Designed to Best Support Your Technique
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ReChord: Chordal Guide System
Standardizes neochordae implantation

Proven Annular Dynamics
Truly physiological three-dimensional motion to ensure natural behavior

Innovation Starts at the Core
Unique Nitinol Cell Structure

Stability and Support
Anterior rigidity and Posterior flexibility to best support systolic function

Exclusive Gradual Saddle Shaping
Optimizes the physiological geometry in enlarged annuli

Progressive Increase of the Anteroposterior Diameter
Helps accommodate excess leaflet tissue and reduces the risk of Systolic Anterior Motion (SAM)

Unique Range of Sizes
Up to size 42 mm to treat large annuli

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

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mm size range

Large sizes are preferred by surgeons in facilitating repair in the presence of severe degenerative MR like Barlow’s disease or big annuli.

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**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).

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**Exclusive Gradual Saddle Shaping**

The anterior saddle shape, gradually enhanced from size 34 to size 42, optimizes the physiological geometry in enlarged annuli that have lost their three-dimensional profile.

2mm | 5.5mm

*Made to order*
Stability and Support

The right balance of rigidity and flexibility to support any repair
MEMO 4D, semi-rigid annuloplasty ring, provides the stability and support to the annulus while providing dynamic flexibility of movement.

Maximized Hemodynamics

Truly physiological three-dimensional motion of the mitral annulus with a natural anterior/posterior to lateral/lateral relationship to maximize blood flow,\textsuperscript{1,5,11,15} even five years after implantation.\textsuperscript{6}

The natural annular dynamics of the MEMO platform is clinically proven and acknowledged

"MEMO 3D preserves annular dynamics and folding dynamics.\textsuperscript{10}"

"MEMO 3D allows for contraction during systole, an increased depth of coaptation of the leaflets, and an improvement in annular orifice area during diastole.\textsuperscript{4}"

Three layer structure

Oval silicone sheath
Ease-of-implant with a perfect annular fit

Nitinol cell structure
Optimally accommodates the diastolic phase and provides consistent recovery of the natural systolic profile

Carbofilm\textsuperscript{®} Coating
Reduces inflammatory reaction favoring a gentle endothelialization.\textsuperscript{8,10}
A chordal sizing system that aims to standardize neochordae implantation without the need for physical measurement. 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 reproducible results while accelerating procedure times.7,8

“\textit{The chordal guiding system markedly reduces the time of the procedure by facilitating sizing and knotting.}”9
Information and accessories

Product ordering information

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* Inner metal core diameter
** Made to order

Accessories ordering information

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<td>ICV1357</td>
<td>Annuloplasty Ring Sizer Set</td>
<td>Complete Sizer Set (24 to 42 mm)</td>
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<td>Annuloplasty Ring Accessory Tray</td>
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References

MEMO 4D is FDA cleared.

Caution:
Federal law (USA) restricts this device to sale by or on the order of a physician. For indications, contraindications, precautions and warnings for each device, please refer to the Instructions For Use.