

SJM® Rigid Saddle Ring

Rigid Annuloplasty Ring



NATURAL SADDLE-SHAPED DESIGN ALLOWS DURABLE, FULL REMODELING.

The unique shape of the Rigid Saddle Ring is designed to mimic a healthy mitral annulus. Multiple studies show that the saddle shape contributes to the efficient distribution of stresses and tension over the leaflets and chordae tendineae.¹⁻³ This redistribution of stress may increase repair durability.^{2,3,5}

SHAPE MIMICS A HEALTHY ANNULUS

- Three-dimensional design restores the natural saddle shape.¹⁻⁴
- Annular-height-to-commissural-width ratio of 15 percent mimics a healthy mitral annulus.²
- Complete titanium alloy core maintains anatomical shape and provides annular remodeling.

CLINICAL BENEFITS

- Saddle shape contributes to efficient distribution of leaflet stress and chordal tension.¹⁻³
- Redistribution of leaflet stress and chordal tension through saddle-shape remodeling may increase repair durability.^{2,3,5}
- Polyester double-velour EZ Suture™ Cuff may encourage tissue in-growth.^{6,7}

PROPRIETARY FEATURES EASE IMPLANTATION

- EZ Suture Cuff is supported by a unique triangular core for a larger suture target.
- Clear, well-marked holder is designed to increase visibility during implant.
- Secure ergonomic handle quickly attaches and detaches to save time during implant.

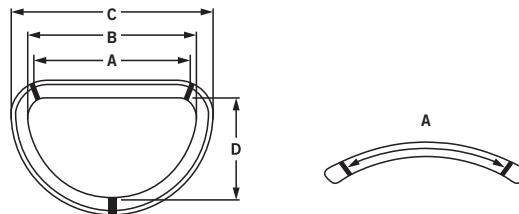
Ordering Information

Rigid Saddle Ring

Model Number	Ring Size (mm)	Commissure Dimension (A) (mm)	Inside Dimension (B) (mm)	Outside Dimension (C) (mm)	A-P Dimension (D) (mm)	Internal 2-D Orifice Area (mm ²)
RSAR-24	24	24	22	30	13.6	227
RSAR-26	26	26	24	32	15.1	276
RSAR-28	28	28	26	34	16.2	331
RSAR-30	30	30	28	36	17.9	387
RSAR-32	32	32	30	38	19.2	450
RSAR-34	34	34	32	40	20.6	511

Accessories

Model Number	Contents
RSAR-507A	RSAR Sizer Set Complete
	One (1) malleable holder handle
	One (1) extension handle
	Six (6) sizers (24, 26, 28, 30, 32, 34)
	One (1) autoclavable tray for storage of components
	One (1) autoclavable tray cover
HH-05	Replacement Holder Handle
EX-05	Replacement Extension Handle



Specifications

Rigid Saddle Ring Specifications

Fabric: Polyester Double Velour
Core: Titanium

Sizer Specifications

Handle: Polyphenylsulfone
Shaft: Nitinol
Head: Polysulfone

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- Jimenez JH, Liou SW, Padala M, et al. A saddle-shaped annulus reduces systolic strain on the central region of the mitral valve anterior leaflet. *J Thorac Cardiovasc Surg.* 2007;134(6):1562-8.
- Flachskampf FA, Chandra S, Gaddipati A, et al. Analysis of shape and motion of the mitral annulus in subjects with and without cardiomyopathy by echocardiographic 3-dimensional reconstruction. *J Am Soc Echocardiogr.* 2000;13(4):277-87.
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- Haverich A, Maatz W, Stegmann T, et al. Experimental and clinical experiences with double-velour woven Dacron prostheses. *Thorac Cardiovasc Surg.* 1986;34(1):52-3.
- Sato O, Tada Y, Takagi A. The biologic fate of Dacron double velour vascular prostheses. *Jpn J Surg.* 1989;19(3):301-11.

ATRIAL FIBRILLATION CARDIAC RHYTHM MANAGEMENT CARDIOVASCULAR NEUROMODULATION

Global Headquarters
One St. Jude Medical Drive
St. Paul, Minnesota 55117
USA
+1 651 756 2000
+1 651 756 3310 Fax

Cardiovascular Division
177 East County Road B
St. Paul, Minnesota 55117
USA
+1 651 490 4470
+1 651 490 4466 Fax

**St. Jude Medical
Coordination Center BVBA**
The Corporate Village
Avenue Da Vinci laan 11 Box F1
B-1935 Zaventem
Belgium
+32 2 774 68 11
+32 2 772 83 84 Fax

St. Jude Medical Brasil Ltda.
Rua Frei Caneca, 1380
7º ao 9º andares
01307-002 - São Paulo (SP)
Brazil
+55 11 5080 5400
+55 11 5080 5423 Fax

St. Jude Medical (Hong Kong) Ltd.
Suite 1608, 16/F Exchange Tower
33 Wang Chiu Road
Kowloon Bay, Kowloon
Hong Kong SAR
+852 2996 7688
+852 2956 0622 Fax

St. Jude Medical Japan Co., Ltd.
3-1-30, Minami-Aoyama
Minato-ku
Tokyo 107 0062
Japan
+81 3 3423 6450
+81 3 3402 5586 Fax

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Caution: Federal Law restricts this device to sale by or on the order of a physician or properly licensed practitioner. Please see the physician's manual for a full description of indications, contraindications, side effects, precautions, warnings, and instructions for use.

Rx Only

Brief Summary: Please review the Instructions for Use prior to using this device for a complete listing of indications, contraindications, precautions, potential adverse events, and directions for use.

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