

Masters Series Mechanical Heart Valve Standard Cuff

Product Highlights

- Pyrolytic carbon leaflets and orifice ring offer exceptional durability and increased thromboresistance¹
- 85 degree leaflet opening angle offers improved laminar flow and reduces turbulence²⁻⁴
- Controlled torque rotation mechanism allows for easy rotation and intraoperative adjustment⁵
- St. Jude Medical heart valves are MR conditional



Ordering Information

Contents: Mitral Valve (1 unit per box)

Reorder Number	Tissue Annulus Diameter (mm)	Valve Orifice Inner Diameter (mm)	Geometric Orifice Area (cm ²)	Cuff Style
19MJ-501	19	14.8	1.63	Standard
37MJ-501	37	26.1	5.18	Standard
21MJ-501	21	16.7	2.06	Standard
23MJ-501	23	18.6	2.55	Standard
25MJ-501	25	20.4	3.09	Standard
27MJ-501	27	22.5	3.67	Standard
29MJ-501	29	24.2	4.41	Standard
31MJ-501	31	26.1	5.18	Standard
33MJ-501	33	26.1	5.18	Standard
35MJ-501	35	26.1	5.18	Standard

1. Emery RW, Krogh CC, Arom KV, et al. The St. Jude Medical cardiac valve prosthesis: A 25-year experience with single valve replacement. *Ann Thorac Surg.* 2005;79:776-83.
2. King, M, David T, Fisher J. An initial parametric study on fluid flow through bileaflet mechanical heart valves using computational fluid dynamics. *J Eng Med* 1994; 208:63-72.
3. Feng Z, Nakamura T, Fujimoto T, et al. In vitro investigation of opening behavior and hydrodynamics of bileaflet valves in the mitral position. *Artificial Organs* 2002;26(1):32-9.
4. Shipkowitz T, Ambrus J, Kurk J, et al. Evaluation technique for bileaflet mechanical valves. *J Heart Valve Dis.* 2002, Mar; 11 (2):275-82.
5. St. Jude Medical MRI Safety Document.

Rx Only

St. Jude Medical prosthetic heart valves are indicated for use as replacement valves in patients with a diseased, damaged, or malfunctioning native or prosthetic valve. Possible side effects for all valvular implants include, but are not limited to: regurgitation, thromboembolic phenomena, resistance to flow, infection, hemolysis, dysrhythmias, and prosthetic dehiscence or failure. Anticoagulation is recommended for patients with mechanical valve implants. Please see the physician's manual for a full description of indications, contraindications, side effects, precautions, warnings and instructions for use.

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