

## Masters

Valved Graft with Hemashield® Technology



# PIVOT GUARD DESIGN PLUS PROVEN GRAFT TECHNOLOGY.

The Masters valved graft with Hemashield technology provides the standard in mechanical heart valve performance and durability. This graft features a proprietary valve design, optimal cuff configuration and the proven Hemashield graft technology for ease-of-use during aortic valve replacement and ascending aortic reconstruction procedures.

### RENOWNED CLINICAL PERFORMANCE

#### Time-Tested Unique Pivot Guard Design

- Allows for upstream placement of leaflets resulting in a wide opening angle<sup>1</sup>
- Proprietary pivot guard design is the subject of more than 1,000 peer-reviewed articles and more than 2 million implants<sup>2</sup>

#### Enhanced Cuff Configuration

- Offers excellent implantability
- Conforms to the annulus
- Designed to minimize potential for paravalvular leak

### HEMASHIELD TECHNOLOGY

#### Proven Graft Technology

- Collagen impregnation provides uniform tissue ingrowth and biocompatibility<sup>2</sup>
- Low porosity graft eliminates the need for pre-clotting and reduces surgical time<sup>2</sup>
- Double-velour woven fabric offers excellent sealing, handling and healing characteristics<sup>2</sup>



ST. JUDE MEDICAL™  
MORE CONTROL. LESS RISK.

# Reference Dimensions

## Masters Valved Graft with Hemashield Technology

Masters Valved Graft Model Number	Tissue Annulus Diameter (mm)	Graft Inner Diameter (mm)	Valve Orifice Inner Diameter (mm)	Geometric Orifice Area (cm <sup>2</sup> )
19CAVGJ-514-00	19	20	14.7	1.63
21CAVGJ-514-00	21	22	16.7	2.06
23CAVGJ-514-00	23	24	18.5	2.55
25CAVGJ-514-00	25	28	20.4	3.09
27CAVGJ-514-00	27	30	22.3	3.67
29CAVGJ-514-00	29	32	24.1	4.41
31CAVGJ-514-00	31	34	26.0	5.18
33CAVGJ-514-00	33	34	26.0	5.18

Graft Length = 12 cm

### References:

1. Shipkowitz T, Ambrus J, Kurk J, et al. Evaluation technique for bileaflet mechanical valves. *J Heart Valve Dis.* 2002;11(2):275-82.
2. Maquet. Manufacturer's literature.

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 3301 Fax

#### Cardiovascular Division

177 East County Road B  
St. Paul, Minnesota 55117  
USA  
+1 651 756 4470  
+1 651 756 4466 Fax

#### SJM Coordination Center BVBA

The Corporate Village  
Avenue Da Vincilaan 11 Box F1  
B-1935 Zaventem  
Belgium  
+32 2 774 68 11  
+32 2 772 83 84 Fax

[SJMprofessional.com](http://SJMprofessional.com)



**ST. JUDE MEDICAL™**

MORE CONTROL. LESS RISK.

#### Rx Only

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

ST. JUDE MEDICAL, the nine-squares symbol and MORE CONTROL. LESS RISK. are registered and unregistered trademarks and service marks of St. Jude Medical, Inc. and its related companies. Hemashield is a registered trademark of Maquet Cardiovascular LLC. ©2011 St. Jude Medical, Inc. All rights reserved.

Item GMSH285EN

