## System Specifications

### MGuard Prime System Size Matrix

<table>
<thead>
<tr>
<th>Stent Diameter (mm)</th>
<th>Stent Length (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.50</td>
<td>MGP2508 MGP2513 MGP2518 MGP2523 MGP2528 MGP2533 MGP2538</td>
</tr>
<tr>
<td>2.75</td>
<td>MGP2708 MGP2713 MGP2718 MGP2723 MGP2728 MGP2733 MGP2738</td>
</tr>
<tr>
<td>3.00</td>
<td>MGP3008 MGP3013 MGP3018 MGP3023 MGP3028 MGP3033 MGP3038</td>
</tr>
<tr>
<td>3.25</td>
<td>MGP3208 MGP3213 MGP3218 MGP3223 MGP3228 MGP3233 MGP3238</td>
</tr>
<tr>
<td>3.50</td>
<td>MGP3508 MGP3513 MGP3518 MGP3523 MGP3528 MGP3533 MGP3538</td>
</tr>
<tr>
<td>4.00</td>
<td>MGP4008 MGP4013 MGP4018 MGP4023 MGP4028 MGP4033 MGP4038</td>
</tr>
</tbody>
</table>

### Stent
- Material: Cobalt Chromium (CoCr) L605
- Design: Low profile
- Strut thickness: 80 μm
- Cross-section profile: 1.0 mm for 2.5, 2.75, 3.0 mm
- Cross-section profile: 1.2 mm for 3.25, 3.5, 4.0 mm
- Visual profile: 1.3-1.5 mm

### Net
- Technology: Micron Circular-Knitting Technology
- Material: Poly Ethylene - Terephtalate (PET)
- Fiber width: 20 μm
- Aperture size: 150 μm x 180 μm

### Delivery System
- Guiding catheter: 6F (ID 1.68 mm) / 0.07”
- Radiopaque Markers: Fluorescent and Night
- Balloon Characteristics: Semi-compliant
- Guidewire Diameter: 0.014” / 0.36 mm
- Nominal pressure: 8 atm
- Rated burst pressure (RBP): 16 atm

### Compliance Chart

<table>
<thead>
<tr>
<th>Size (mm)</th>
<th>Non-RBP</th>
<th>RBP</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.50</td>
<td>2.50</td>
<td>2.74</td>
</tr>
<tr>
<td>2.75</td>
<td>2.75</td>
<td>2.96</td>
</tr>
<tr>
<td>3.00</td>
<td>3.00</td>
<td>3.24</td>
</tr>
<tr>
<td>3.25</td>
<td>3.25</td>
<td>3.49</td>
</tr>
<tr>
<td>3.50</td>
<td>3.50</td>
<td>3.74</td>
</tr>
<tr>
<td>4.00</td>
<td>4.00</td>
<td>4.30</td>
</tr>
<tr>
<td>4.00</td>
<td>4.00</td>
<td>4.24</td>
</tr>
</tbody>
</table>

The RBP (Rated Burst Pressure) of all sizes is 16 ATM except for the following sizes: 3.5x38mm, 4.0x33mm, 4.0x38mm where the RBP is 14 ATM.

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**References:**
5. Dake D. MGuard coronary stent system in ST elevation myocardial infarction. SOLACI 2010 poster
7. The MGuard trial. Thrombolysis atrial fibrillation during Primary PCI, NCT 2008
8. Dake D. MGuard interventional analysis, SOLACI 2010 poster
9. Grozdanov D. Coronary stenting with MGuard extended follow-up of first human implant. Catheterization and Cardiovascular Interventions. 2010
11. MGuard Prime IFU
12. Abizaid A. TCT2010 poster
13. ESC Guidelines, 2010

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Not available for sale in the USA
V: MAL-012-11-01
MicroNet® Mesh Technology
This expandable mesh is made of a single 20 micron knitted PET fiber. The net is attached to the outside of the stent at the proximal and distal crowns, and expands seamlessly during stent deployment. Unique securing prevents net dislodgment from the stent.

Clinical Advantages of the Net Protective Stent
- Reduces distal embolization
- 1.7% MACE at 6 months in STEMI population
- 3.3% MACE in 30 days in SVG population

MGuard Prime is Indicated for:
- Primary PCI for STEMI
- Saphenous vein graft
- ACS with visible thrombus

Over 600 patients with Net Protective Stent in Clinical Trials
- Published data in SVG, STEMI and ACS
- Consistent low MACE results
- Restenosis comparable to standard BMS systems

Advanced Co-Cr Design
Experience the ultimate design in Co-Cr technology. With its 80 micron struts, the MGuard Prime Stent design provides exceptional flexibility, deliverability and conformability to the vessel.

Excellent Deliverability and Superior Flexibility
MGuard Prime was found to be comparable to the XIENCE V stent when tested for deliverability through a double curved path model.

Technology Endorsed by ESC Guidelines

Indicated for AMI

Myocardial Reperfusion in STEMI Patients
MAGICAL Trial Vs. TAPAS Trial

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Post Procedure Blush Grade 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control TAPAS</td>
<td>32%</td>
</tr>
<tr>
<td>Aspiration TAPAS</td>
<td>46%</td>
</tr>
<tr>
<td>MGuard MAGICAL</td>
<td>73%</td>
</tr>
</tbody>
</table>

Deliverability Force (N)

<table>
<thead>
<tr>
<th>Stent</th>
<th>Force (N)</th>
</tr>
</thead>
<tbody>
<tr>
<td>XIENCE V</td>
<td>1.65</td>
</tr>
<tr>
<td>MGuard Prime</td>
<td>1.60</td>
</tr>
</tbody>
</table>