Implants for parastomal hernias

DynaMesh®-IPST
DynaMesh®-IPST-R
DynaMesh®-IPST-D

Tailored Implants made of PVDF
by FEG Textiltechnik mbH

made in Germany
Visceral Surgery
Repair and prevention of parastomal hernias

Tailored Implants made of PVDF

DynaMesh®-IPST
Repair and prevention

For the repair and prevention of parastomal hernia with intraperitoneal mesh position

DynaMesh®-IPST
Funnel height: 2.5 cm
Size: ø 02 cm x 15 cm x 15 cm IP070215F1 Unit = 1 EA / BX
Size: ø 02 cm x 25 cm x 25 cm IP070225F1 Unit = 1 EA / BX
Size: ø 03 cm x 16 cm x 16 cm IP070316F1 Unit = 1 EA / BX
Size: ø 04 cm x 17 cm x 17 cm IP070417F1 Unit = 1 EA / BX

Funnel height: 4.0 cm
Size: ø 02 cm x 15 cm x 15 cm (L4) IP072415F1 Unit = 1 EA / BX

DynaMesh®-IPST visible
Funnel height: 2.5 cm
Size: ø 02 cm x 15 cm x 15 cm IP080215F1 Unit = 1 EA / BX
Size: ø 03 cm x 16 cm x 16 cm IP080316F1 Unit = 1 EA / BX

Funnel height: 4.0 cm
Size: ø 02 cm x 15 cm x 15 cm (L4) IP082415F1 Unit = 1 EA / BX

Use and properties

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<td>laparoscopic / open</td>
<td>IPOM</td>
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For more information see the specified pages of the DynaMesh® HERNIAS catalogue

Applies to all product sizes
Only applies to selected product sizes
DynaMesh®-IPST-D Visceral Surgery Repair and prevention of parastomal hernias

For the repair as well as the prevention of parastomal hernia with particularly large overlap in cranial and medial direction with intraperitoneal mesh position.

### Use and properties

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<th>Optimal handling</th>
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<th>Minimal foreign body reaction</th>
<th>Reduced bacterial adherence</th>
<th>High ageing resistance</th>
<th>Optimal dynamometry</th>
<th>No scar plate formation</th>
</tr>
</thead>
<tbody>
<tr>
<td>●</td>
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**DynaMesh®-IPST-D visible**

Funnel height: 4.0 cm

| Size: ø 02 cm x 30 cm x 30 cm (L4) left | IP082431F1 | Unit = 1 EA / BX |
| Size: ø 02 cm x 30 cm x 30 cm (L4) right | IP082432F1 | Unit = 1 EA / BX |

**Important:** Side specificity (left-sided/right-sided stoma)
DynaMesh®-IPST-R

For the repair of parastomal hernia without detachment of the stoma from the abdominal wall with intraperitoneal mesh position

**DynaMesh®-IPST-R**

<table>
<thead>
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<th>Funnel height: 3.5 cm</th>
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<tbody>
<tr>
<td>Size: ø 03 cm x 16 cm x 16 cm (L3.5)</td>
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**DynaMesh®-IPST-R visible**

<table>
<thead>
<tr>
<th>Funnel height: 3.5 cm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size: ø 03 cm x 16 cm x 16 cm (L3.5)</td>
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</tbody>
</table>

Variant with prefabricated slit facilitates the placement of the mesh implant around the terminal segment of the bowel.

**Technical data**

<table>
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<tr>
<th>Reactive surface ($m^2/m^3$)</th>
<th>Maximum stability ($N/cm$)</th>
<th>Elasticity ($N/cm$)</th>
<th>Tear propagation resistance ($N$)</th>
<th>Textile porosity (%)</th>
<th>Effective porosity (%)</th>
<th>Instrumentation $\mu$</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.90</td>
<td>74</td>
<td>76</td>
<td>29</td>
<td>58</td>
<td>43</td>
<td>30</td>
</tr>
</tbody>
</table>

Optimal handling

The implant is made from a single piece of mesh for a seamless junction with the intestinal cuff. DynaMesh®-IPST is a three-dimensional preshaped implant providing excellent elasticity and flexibility – which facilitates stomaplasty preparation for the surgeon.

Optimal handling without detachment of the stoma from the abdominal wall using DynaMesh®-IPST-R.
The prefabricated slit facilitates placement of the mesh implant around the terminal segment of the bowel.

Optimal comfort

In both open and laparoscopic operations, minimal tissue irritation occurs when inserting and placing the implant. This also applies to the period afterwards – a guarantee of maximum patient comfort.

Optimal safety

The dual-layer composite structure promotes rapid and safe ingrowth into the abdominal wall while at the same time reducing the risks of adhesions on the visceral side. The elastic funnel with no sharp selvedges leads to more secure integration of the terminal segment of bowel and reliably prevents parastomal hernia formation [15] [61].
Literature

15. Berger D:  
Prevention of parastomal hernias by prophylactic use of a specially designed intraperitoneal onlay mesh (Dynamesh IPST®).  

Prevention of parastomal hernias with 3D funnel meshes in intraperitoneal onlay position by placement during initial stoma formation.  

64. Köhler G, Fischer I, Wundsam H:  
A Novel Technique for Parastomal Hernia Repair Combining a Laparoscopic and Ostomy-Opening Approach.  

www.dyna-mesh.com