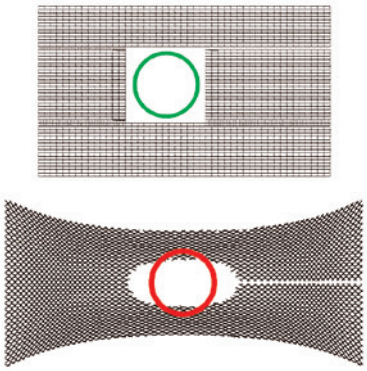



**DynaMesh®-HIATUS** implants are intended for the surgical treatment of axial and/or paraoesophageal hiatal hernias, if a high risk of recurrence is expected with hiatoplasty using a simple suture technique. The devices permanently reinforce the soft tissue of the diaphragm in the region of the oesophageal hiatus.

# DynaMesh®-HIATUS

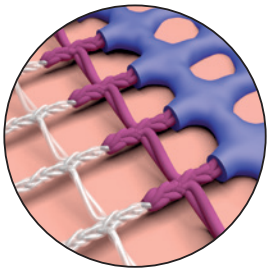
## Defined Stability

Constriction of the mesh in the region of the hiatus may reduce the distance between the mesh implant and the oesophagus. **DynaMesh®-HIATUS** implants have rectangular pores and defined stability with a maximum elongation of only 8% [TR50, TR51].



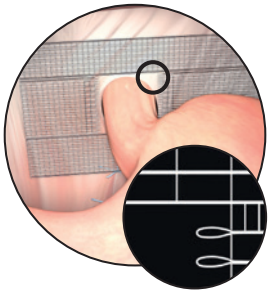
## Effective Porosity

All **DynaMesh®-HIATUS** implants have an effective porosity [TR51]. **DynaMesh®-HIATUS** implants are made of PVDF. PVDF has good biocompatibility, reducing the foreign body reaction compared to other materials such as polypropylene [1A, 2A, 4A, 68A, 100A, TR1]. **DynaMesh®-HIATUS** implants show little mesh shrinkage [51].



## Smooth Warp-Knitted Selvedges

All **DynaMesh®-HIATUS** implants have smooth warp-knitted selvedges.



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hergestellt durch / manufactured by: FEG Textiltechnik Forschungs- und Entwicklungsgesellschaft mbH
Prager Ring 70, 52070 Aachen, Germany · www.dyna-mesh.com

made in Germany

# DynaMesh®-HIATUS

## Use and Properties

| | |
|---|---|
| Product | DynaMesh®-HIATUS |
| Surgical Treatment | Hiatal Hernias |
| Surgical Approach | Minimally Invasive / Open |
| Surgical Technique | Cruroplasty with mesh reinforcement |
| Fixation | Suture* / Tissue Adhesives / Tacks* |
| Defined Stability | ● [TR50] |
| Smooth Warp-Knitted Selvedges | ● |
| Visible Technology | ● |
| Materials | - Polyvinylidene fluoride (PVDF) (CAS 24937-79-9) > 99% (w/w)<br>- Triiron tetraoxide (CAS 1317-61-9) < 1% (w/w) |
| Polymer (Monofilament) | PVDF |
| Biocompatibility | ● [TR1] |
| Ageing Resistance | ● [2$^{A}$, 5$^{VIT}$, 27$^{A}$, 52$^{VIT}$, 93$^{A}$, 101] |
| Effective Porosity | ●<br>High effective porosity reduces inflammation and the risk of excessive scar formation. [103p, TR51] |
| Klinge's Mesh Classification | Class 1a [102$^{P}$, TR51] |

* Traumatic fixation may only be used if injuries to the pericardium, aorta or vena cava can be ruled out with total certainty.

## Product Range

When selecting and cutting the device, ensure that the mesh implant adequately overlaps the hernial orifice on all sides.

| | | |
|---|---|---|
| **DynaMesh®-HIATUS** | 07 cm x 12 cm | PV610712*F1/F3* |
| | 08 cm x 13 cm | PV610813*F1/F3* |

*FX* = X unit(s)/box (e.g. *F3* = 3 unit(s)/box)

DynaMesh®-HIATUS - Animation: Surgical Treatment of Hiatal Hernia in Laparoscopic Technique
*https://de.dyna-mesh.com/Vi014xx*

● Applies to all product sizes
[#] Reference "#" (see "References")
[TR#] Internal test report (see "internal test report references")
Limitations "A" animal trial, "B" bench test, "VIT" in-vitro trial, "P" published results based on the analysis of human mesh explants, "PB" published results mainly based on bench tests

**More information:** *https://en.dyna-mesh.com/dynamesh-hiatus-gb*

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