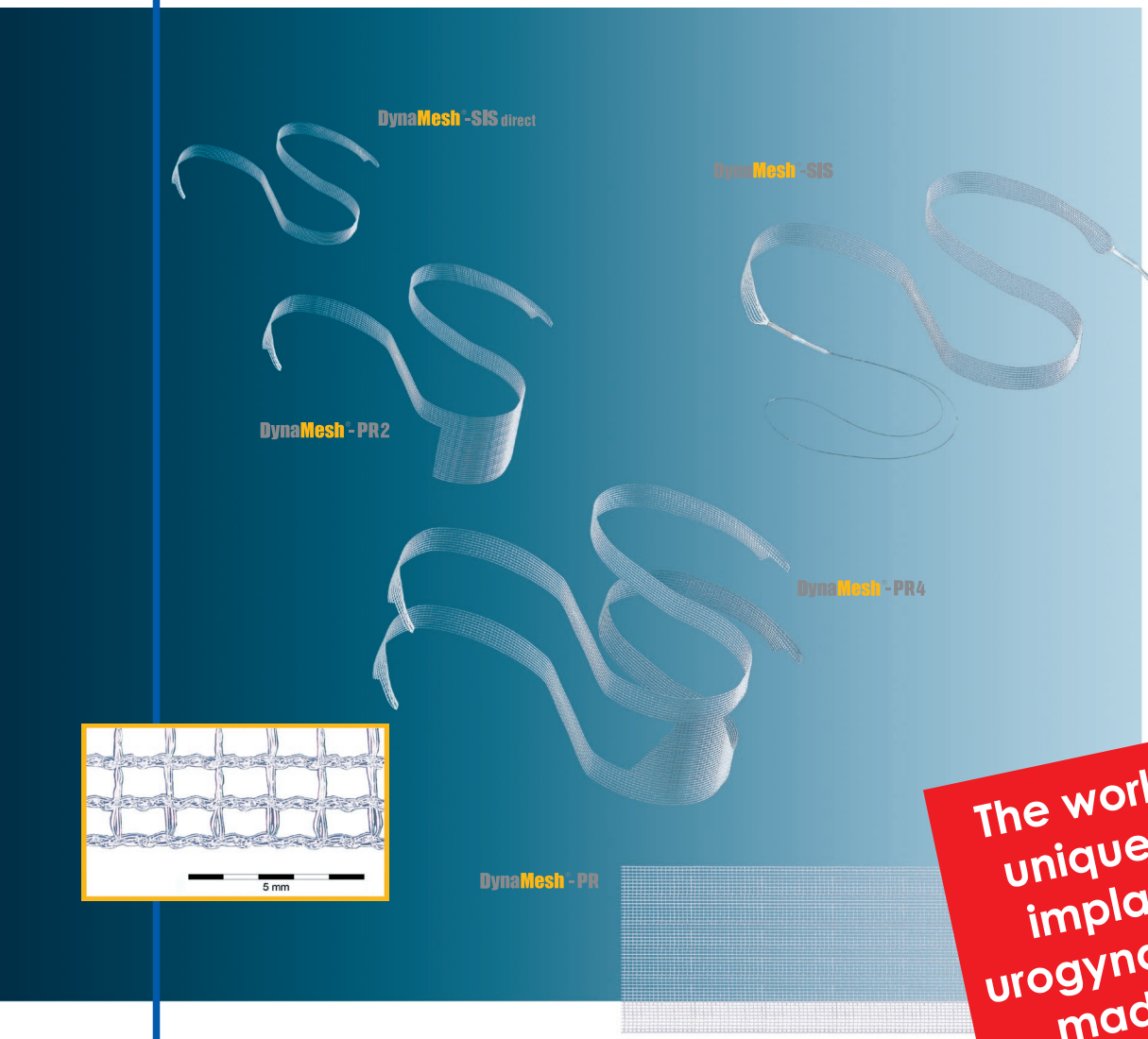
# DynaMesh®




**The worldwide unique mesh implants for urogynaecology made from PVDF**

## Mesh implants for pelvic floor surgery

- Superior material: 100% monofilament polyvinylidene fluoride
- Atraumatic implant selvedges
- High effective porosity
- No rolling-in
- High form stability and defined elasticity
- Optimal handling in all common surgery techniques

CE

made in Germany

# Specific Product Range

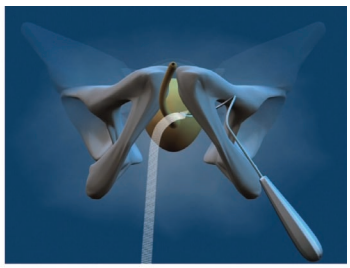
**DynaMesh®-SIS**, **DynaMesh®-SIS direct** and **DynaMesh®-PR/-PR2/-PR4** are mesh implants to treat female stress urinary incontinence and pelvic floor reconstruction. They are qualified for all common surgery techniques. The product range is precisely adjusted to the different anatomical defects.

We offer workshops for the introduction to the techniques of pelvic floor surgery with mesh implants.

## Applications of DynaMesh®-SIS and DynaMesh®-SIS direct

**DynaMesh®-SIS** and **DynaMesh®-SIS direct** serve to reinforce connective-tissue structures and ligaments in the treatment of female stress urinary incontinence and genital prolaps. Common applications are tension-free suburethral sling operations via retrosymphysary or transobturatoric approach and the posterior sling plasty.

- **Female stress urinary incontinence:**
  - Tension-free suburethral sling operation with retrosymphysary position (TVT) (DynaMesh®-SIS)
  - Tension-free suburethral sling operation with transobturatoric position (TOT) (DynaMesh®-SIS direct)
- **Vaginal blind pouch prolaps:**
  Posterior sling plasty (DynaMesh®-SIS direct)

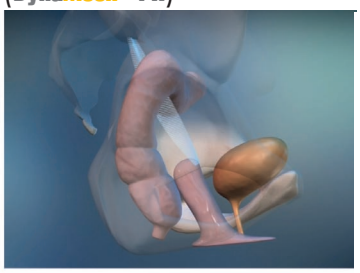


TOT with DynaMesh®-SIS direct

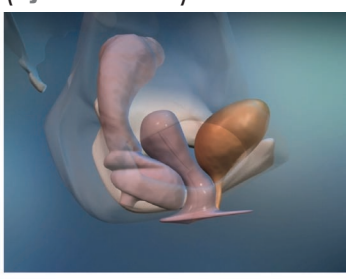
## Applications of DynaMesh®-PR/-PR2/-PR4

**DynaMesh®-PR/-PR2/-PR4** serve to support and stabilise fascial structures and connective tissue. They were specially developed for the operation techniques of pelvic floor reconstruction. Common applications are sacropexy, rectocele-correction and cystocele-correction.

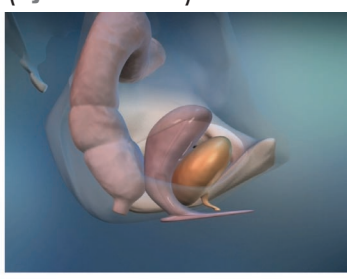
- **Uterus and vaginal blind pouch prolaps:**
  Sacropexy
  (DynaMesh®-PR)



- **Rectocele/Enterocele:**
  Transvaginal mesh plasty (posterior)
  (DynaMesh®-PR2)



- **Cystocele:**
  Transvaginal mesh plasty (anterior)
  (DynaMesh®-PR4)



# Excellent Material

**DynaMesh®SIS**, **DynaMesh®-SIS direct** and **DynaMesh®-PR/-PR2/-PR4** are the worldwide unique mesh implants for urogynaecology made from polyvinylidene fluoride (PVDF) monofilament. Compared to conventional implant materials PVDF offers the following advantages:

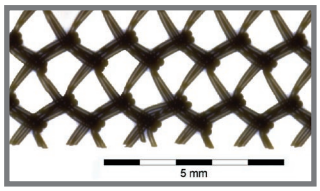
- excellent biocompatibility
- highest material purity
- minimal shrinkage
- superior ageing resistance
- outstanding dynamometric properties

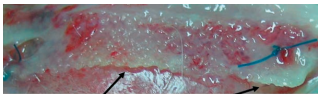
Due to these characteristics **DynaMesh®** implants guarantee an ideal tissue ingrowth, a reduction and prophylaxis of adhesions and an enduring stabilisation of the anatomical structures. Additionally, the risk of arrosion, inflammation, fibrosis and haematoma is significantly reduced.

# Optimal Textile Construction

**DynaMesh®** implants convince by their highly developed textile structure.

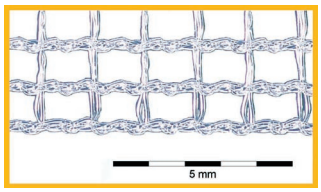
**conventional PP mesh**



Ablation in the areas of cut selvedges of conventional polypropylene slings

**DynaMesh®-SIS/-PR**




Optimal tissue ingrowth in the areas of the atraumatic selvedges of **DynaMesh®**

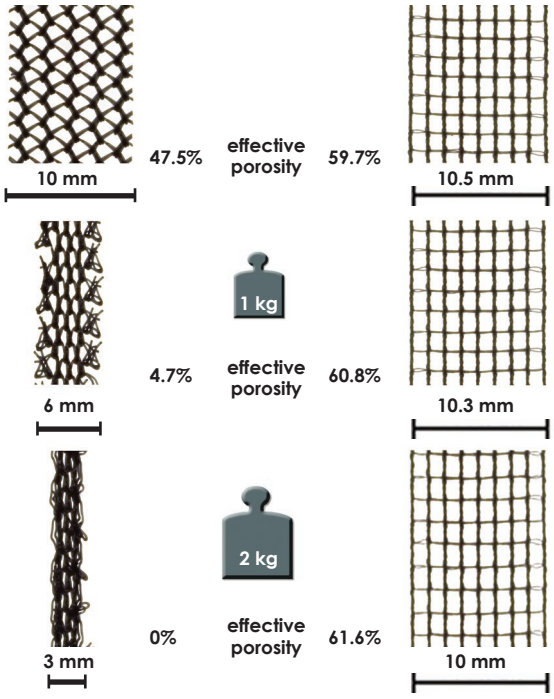
Source: Examination of implant selvedges by an animal experiment (rabbit model)

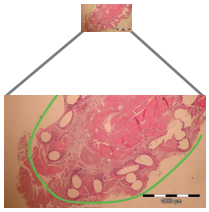
## Atraumatic implant selvedges

All **DynaMesh®-SIS** and **-PR** implants are directly knitted and not cut from a flat mesh. The unique selvedges ensure a simple and atraumatic thread in and adjustment without irritating the surrounding tissue (no „saw teeth“).

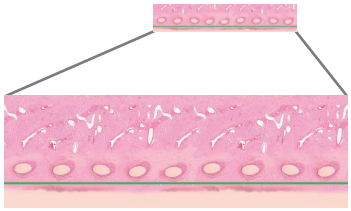
Because of the atraumatic selvedges and high form stability there is no plastic sheath needed when pulling the implant through the body.

**conventional PP mesh** — **DynaMesh®-SIS/-PR**



*Explanted PP sling with huge rolling-in



No rolling-in with **DynaMesh®-SIS**

## High effective porosity

The optimal pore size of **DynaMesh®** structures and thus the high effective porosity cause an excellent incorporation and considerably reduce foreign body reaction and the danger of bridging (scar plate formation).

Even under strain the high effective porosity persists because the mesh only stretches (in a defined way) lengthwise while width does not change.

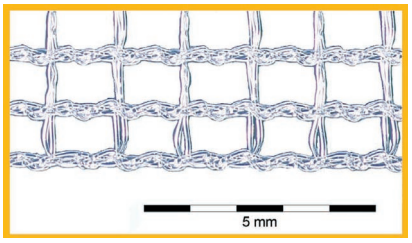
## No rolling-in with DynaMesh®-SIS
### High form stability and defined elasticity

The meshes‘ elasticity is exactly adjusted to the fields of application. However, they are stable enough to strengthen the anatomic structures perfectly and to shrink minimally only.

Furthermore, the high form stability prevents the undesirable rolling-in of the slings even under strain.

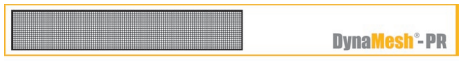
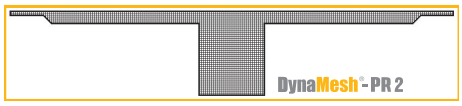
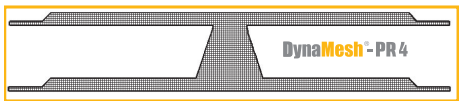
*Source: University Clinic and University of Applied Sciences, Aachen, Germany

# Technical Data




| | | |
|---|---|---|
| **material:** | 100% polyvinylidene fluoride monofilament | |
| **force:** | **0 kg** | **2 kg** |
| **pore size:** | 1.1 mm x 1.3 mm | 1.0 mm x 1.4 mm |
| **effective porosity:** | 59.7% | 61.6% |
| **width of sling or anchoring arms:** | 10.5 mm | 10 mm |

# Delivery Program

| | | | |
|---|---|---|---|
|   | REF PV301004F5 | size: 10 cm x 4 cm | unit = 5 pcs. |
|   | REF PV310636F1 | width of anchoring arms: 1 cm<br>center part: approx 4 x 5 cm | unit = 1 pc. |
|   | REF PV320736F1 | width of anchoring arms: 1 cm<br>center part: approx 4 x 4 cm | unit = 1 pc. |
|   | REF PV211050F1<br>REF PV211050F3 | sling width: 1 cm<br>sling width: 1 cm | unit = 1 pc.<br>unit = 3 pcs. |
|   | REF PV211056F1<br>REF PV211056F3 | sling width: 1 cm<br>sling width: 1 cm | unit = 1 pc.<br>unit = 3 pcs. |

Delivery of special sizes upon request

## Instruments:

Made from medical grade stainless steel and reusable

REF ISR01
unit = 1 pc.

REF IVT01
unit = 1 pc.

REF IST01
unit = 1 set (l+r) normal
REF IST02
unit = 1 set (l+r) large


FEG Textiltechnik

hergestellt durch / manufactured by /
fabriqué par / fabricado por /

FEG Textiltechnik
Forschungs- und Entwicklungsgesellschaft mbH
D-52070 Aachen, Germany
Tel.: +49-(0)241-18 92 37 40
Fax: +49-(0)241-18 92 37 459
www.dyna-mesh.com
E-mail: dyna-mesh@feg-textiltechnik.de


**www.dyna-mesh.com**

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