Especially engineered for endoscopic and laparoscopic repair of inguinal hernias

- Excellent Material: 100% PVDF
- Perfect Mesh Structure
- Atraumatic Selvedges
Perfect Mesh Structure

Unique Technology

The special textile construction facilitates the setting through the **trocars** as well as the unfolding in the operation field. The unique surface and selvedge construction offers the crease-free positioning of the implant. The green orientation lines provide visual control of a tension-free mesh position.

Application of DynaMesh®-ENDOLAP

This hernia mesh was developed especially for the endoscopic (TEP) and laparoscopic (TAPP) technique.

Qualified for all methods of fixation

In case mesh fixation appears essential to the surgeon all common techniques can be used.

Optimal Pore Size

The special warp-knitted structure offers a very high textile porosity **before** and an excellent effective porosity (63.4%) **after** incorporation. This avoids bridging which leads to high patient comfort.

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1) photo by courtesy of Dr. A. Kuthe, DRK-Krankenhaus Clementinenhaus, Hannover
Less Foreign Body Reaction
The minimized foreign body reaction reliably prevents from bridging leading to highest patient comfort.

Superior Ageing Resistance
After many years of application in various surgical disciplines the high performance polymer PVDF has proven its worth compared to PP: Enduring high preservation of surface integrity and fibre stability leading to long-term patient safety.

Reduced Bacterial Adherence
During a recent investigational study of the University Hospital Aachen cultures of microbial strains of relevant germs have been given onto different mesh material. The fluorine essence measure afterwards showed a marginal quantity of germs adhering on meshes made from pure PVDF. The risk of infection considerably decreases at reduced bacterial adherence.

Junge, K. et al. „Damage to the spermatic cord by the Lichtenstein and TAPP procedures in a pig model.“ (Springer Science + Business Media, 2010)
Laroche, G. et al. „Polyvinylidene Fluoride Monofilament Sutures: Can they be used safely for long-term anastomoses in the thoracic aorta?” (International Society of Artificial Organs, 1995)
### Technical Data

**DynaMesh®-ENDOLAP**

**Material:** 100% PVDF (Polyvinylidene Fluoride) monofilament  
**Effective porosity:** 63.4 %  
**Reactive surface:** 1.35 m²/m²  
**Suture pull out strength:** 31 N  
**Tear propagation resistance:** 21 N  
**Classification:** 1a  
**Fixation:** All common fixation methods  

2) Modified Amide Classification according to Klinge, U. 4/2010]

### Delivery Program

| Size: 7.5 cm x 15 cm | REF PV100715F3 | BX = 3 EA  |
| Size: 10 cm x 15 cm | REF PV101015F1 | BX = 1 EA  |
| Size: 10 cm x 15 cm | REF PV101015F3 | BX = 3 EA  |
| Size: 10 cm x 17 cm | REF PV101017F1 | BX = 1 EA  |
| Size: 10 cm x 17 cm | REF PV101017F3 | BX = 3 EA  |
| Size: 12 cm x 15 cm | REF PV101215F1 | BX = 1 EA  |
| Size: 12 cm x 15 cm | REF PV101215F3 | BX = 3 EA  |
| Size: 12 cm x 17 cm | REF PV101217F1 | BX = 1 EA  |
| Size: 12 cm x 17 cm | REF PV101217F3 | BX = 3 EA  |
| Size: 13 cm x 15 cm | REF PV101315F1 | BX = 1 EA  |
| Size: 13 cm x 15 cm | REF PV101315F3 | BX = 3 EA  |
| Size: 13 cm x 17 cm | REF PV101317F1 | BX = 1 EA  |
| Size: 13 cm x 17 cm | REF PV101317F3 | BX = 3 EA  |
| Size: 15 cm x 15 cm | REF PV101515F3 | BX = 3 EA  |