



# The Professional Manufacturer of Hernia Repair Products

Total Solution for Hernia Repair and Mesh Fixation

# About us

TransEasy Medical Tech. Co., Ltd. was founded in 2002, Beijing. The company is mainly engaged in the R&D, production and sales of hernia repair products and other general surgical devices.

**6500**  
sqm production base

**300,000+**  
pieces annual sale

**90+**  
patents

**300+**  
distributors worldwide

**3500+**  
hospitals use our products

**2005**  
EasyProsthes<sup>®</sup> Polypropylene Surgical Mesh

**2012**  
EasyProsthes<sup>®</sup> Pre-peritoneal and Lightweight Mesh  
EasyProsthes<sup>®</sup> Lightweight 3D Mesh

**2013**  
EasyProsthes<sup>®</sup> Partially Absorbable 3D Mesh

**2014**  
EasyPro<sup>™</sup> Composite Mesh

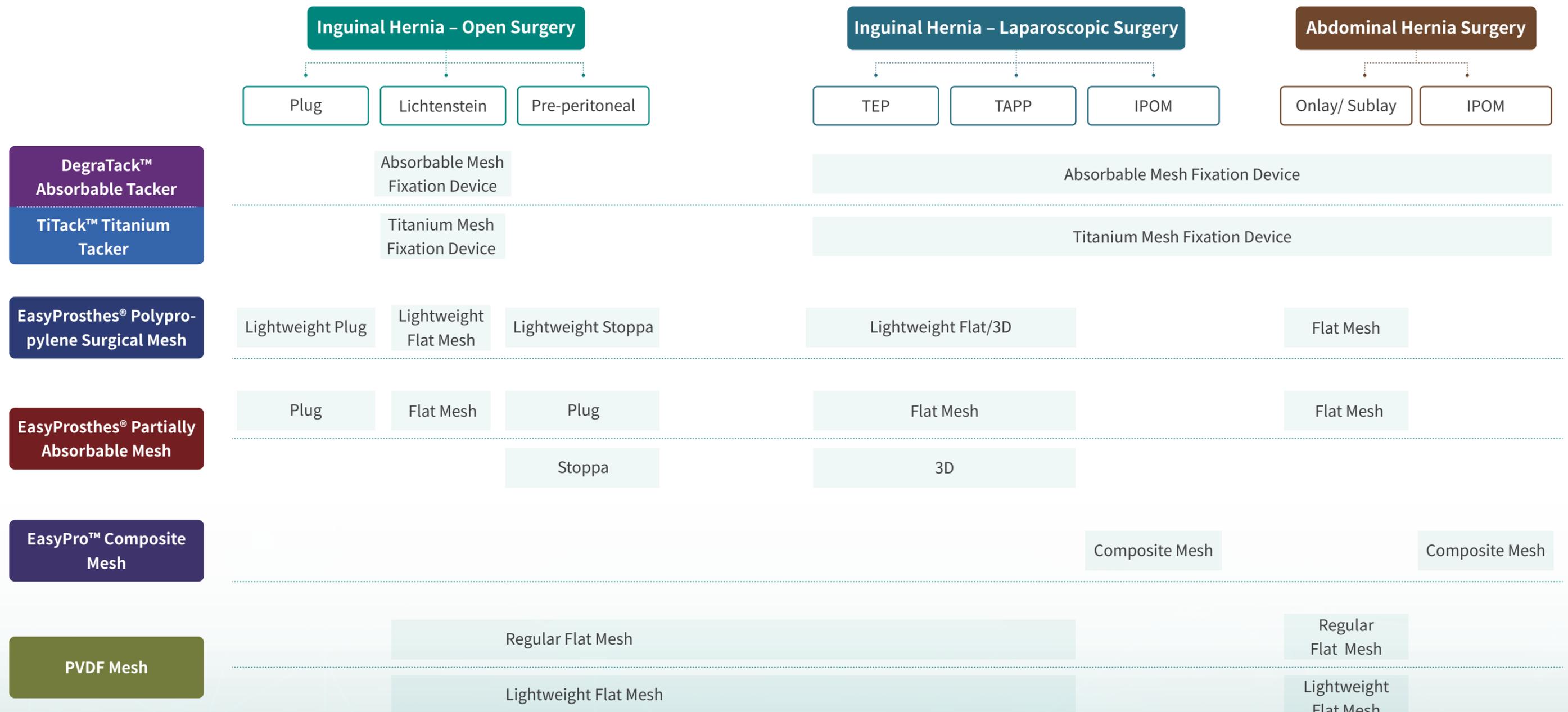
**2016**  
TiTack<sup>™</sup> Titanium Tacker

**2018**  
DegraTack<sup>™</sup> Absorbable Tacker

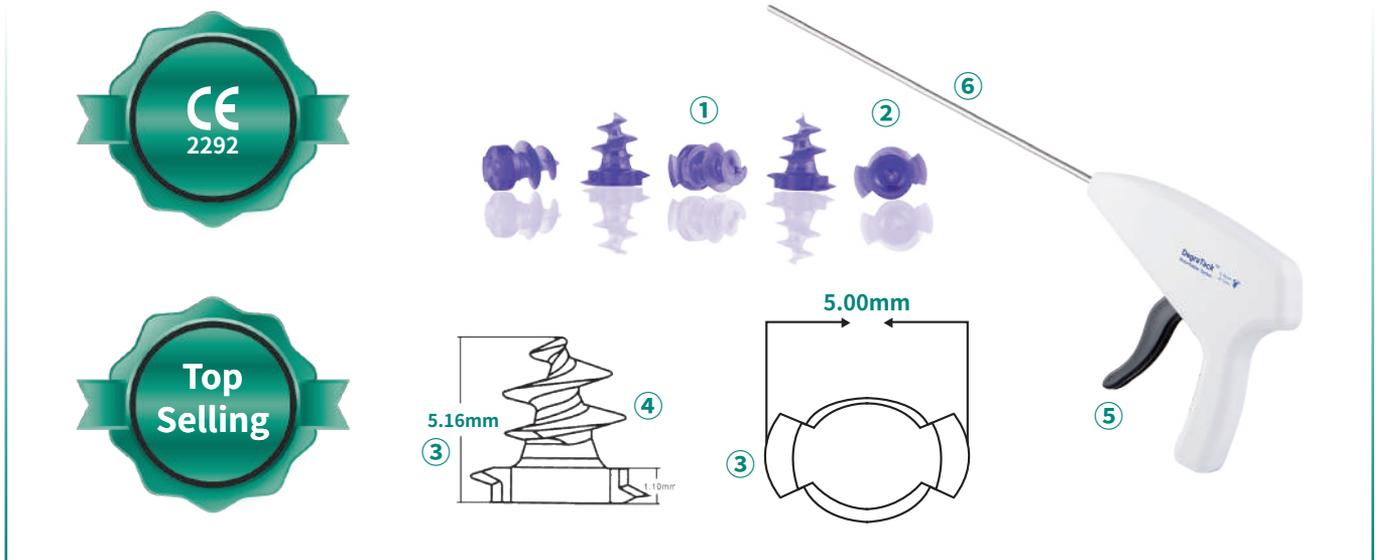
**2022**  
PVDF Mesh

**In the future**  
Flexible Absorbable Fixation Device,  
Biomimetic Mesh

More than 200 hernia repair and fixation products with multiple materials can fulfill all of the operative techniques.



# DegraTack™ Absorbable Tacker

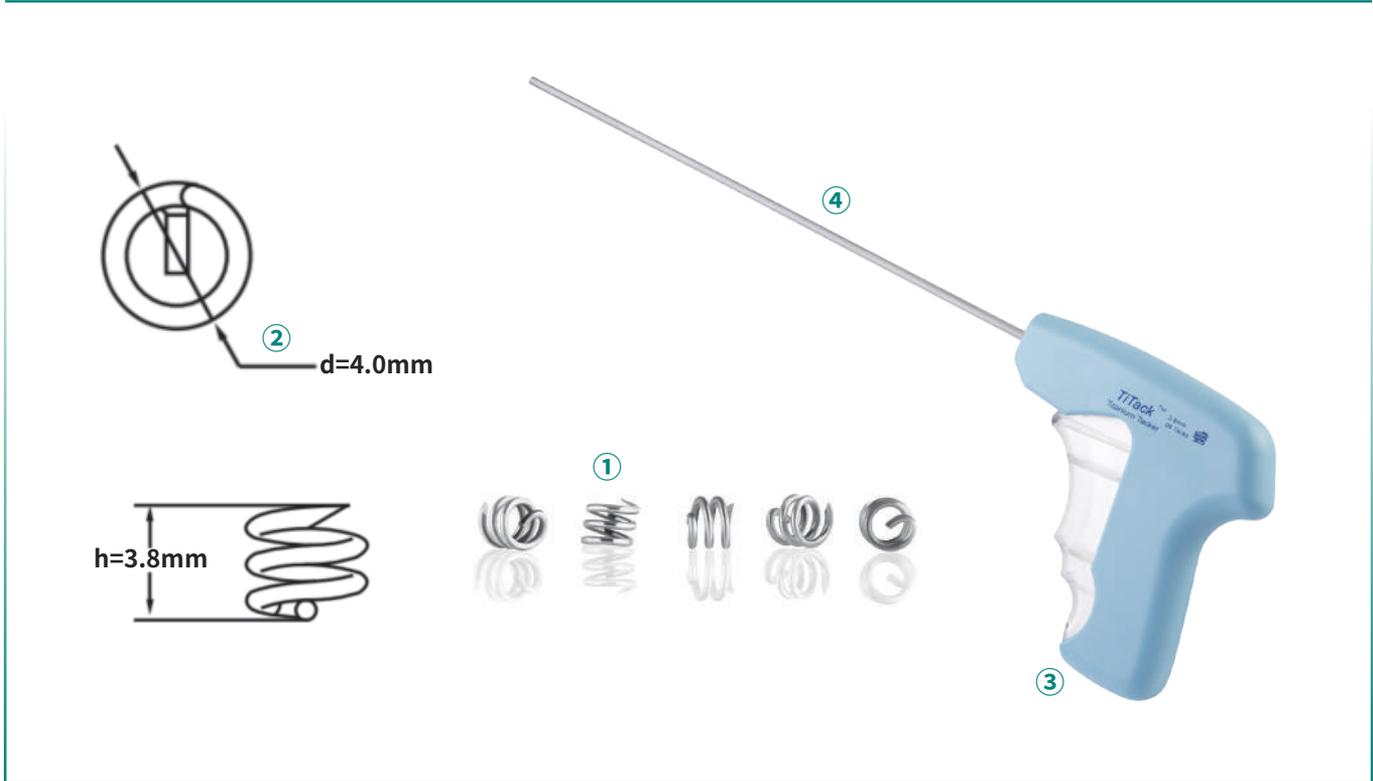


## Features and advantages

- ① **Absorbable poly (lactic-co-glycolic acid) tack** that reduces the foreign body residual;
- ② Remain intact for 4–5 months and **fully absorbed after 12 months**;
- ③ 5 mm “**wing**” to fix the macroporous mesh effectively;
- ④ A **blunt tail** that ensures the safety of the doctor and patient;
- ⑤ **One-hand operation**;
- ⑥ **L and S shaft tubes** containing **5–30** tacks to meet various surgical needs.

## Product catalog

Ref. Code	Description
DE05L	Laparoscopic 36cm, 5 Absorbable tacks, 5mm
DE10L	Laparoscopic 36cm, 10 Absorbable tacks, 5mm
DE15L	Laparoscopic 36cm, 15 Absorbable tacks, 5mm
DE20L	Laparoscopic 36cm, 20 Absorbable tacks, 5mm
DE25L	Laparoscopic 36cm, 25 Absorbable tacks, 5mm
DE30L	Laparoscopic 36cm, 30 Absorbable tacks, 5mm
DE05S	Open Surgery 21.5cm, 5 Absorbable tacks, 5mm
DE10S	Open Surgery 21.5cm, 10 Absorbable tacks, 5mm
DE15S	Open Surgery 21.5cm, 15 Absorbable tacks, 5mm
DE20S	Open Surgery 21.5cm, 20 Absorbable tacks, 5mm
DE25S	Open Surgery 21.5cm, 25 Absorbable tacks, 5mm
DE30S	Open Surgery 21.5cm, 30 Absorbable tacks, 5mm



## Features and advantages

- ① **Permanent** fixation;
- ② A 4 mm diameter to fix the macroporous mesh effectively;
- ③ **One-hand operation**;
- ④ L shaft tube containing **5–30** tacks to meet various surgical needs.

## Product catalog

Ref. Code	Description
TI05L	Laparoscopic 36cm, 5 tacks, 3.8mm
TI10L	Laparoscopic 36cm, 10 tacks, 3.8mm
TI15L	Laparoscopic 36cm, 15 tacks, 3.8mm
TI20L	Laparoscopic 36cm, 20 tacks, 3.8mm
TI25L	Laparoscopic 36cm, 25 tacks, 3.8mm
TI30L	Laparoscopic 36cm, 30 tacks, 3.8mm

# Product Application

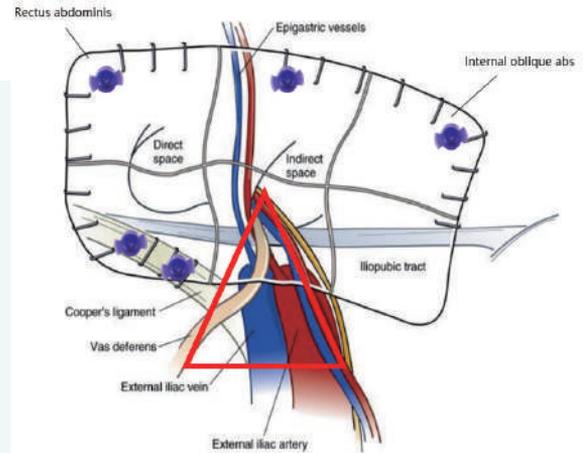
## Precautions - Inguinal hernia (TAPP&TEP)

### Can be fix on

- Pectineal ligament
- Lacunar ligament
- Rectus abdominis
- Conjoint tendon

### Do not fix on

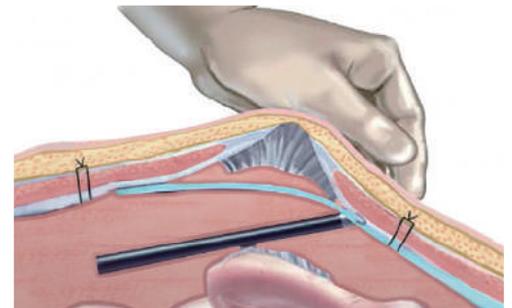
- Triangle of Doom
- Triangle of Pain
- Subabdominal vessels
- Corona mortis



## Precautions - Laparoscopic incisional hernia repair (IPOM)

### Usage notes

- Reduce pneumoperitoneum pressure before fixation to fulfill the required fixing depth;
- Apply a reverse pressure outside the abdominal wall during fixation;
- Adjust the angle between the shaft and the abdominal wall to vertical when firing;
- Double-ring fixation is recommended;
- The tack spacing suggested be controlled in 1-2 cm;
- Minimized the pressure applied to the shaft tube to avoid bending.



## Scan the QR code for more abdominal hernia surgery.



Parastomal Hernia



Hiatal Hernia



Incisional Hernia



Umbilical Hernia



TAPP



TEP

## Different mesh fixation methods

### Absorbable tacks fixation

#### Advantages

- Good provision and maintenance of tension to hold the mesh in position;
- Good mechanical strength;
- Firm fixation;
- Shorter operation time than suture fixation;
- Low recurrence rate;
- Reduced foreign body residue;
- Reduced postoperative pain.

### Mental tacks fixation

#### Advantages

- Good mechanical strength;
- Avoids the occlusion of nerves and blood vessels.

#### Disadvantages

- Patients experience intense postoperative<sup>[4]</sup> pain and an obvious foreign body sensation.

### Surgical glue fixation

#### Disadvantages

- Infections, hematomas, or seromas can easily develop under the mesh;<sup>[2]</sup>
- Bleeding or exudation on the wound surface can cause the surgical glue to float, substantially weakening the fixation effect;<sup>[5]</sup>
- Up to 26% recurrence rate 1 year post-op.<sup>[6]</sup>

### Suture fixation

#### Disadvantages

- Prolonged operation time;
- Carries risks of tissue puncture and/or compression of nerves or blood vessels, leading to chronic pain;<sup>[1]</sup>
- More postoperative pain compared with tacker fixation;<sup>[1]</sup>
- A considerably higher infection rate compared with tacker fixation.<sup>[3]</sup>

## References

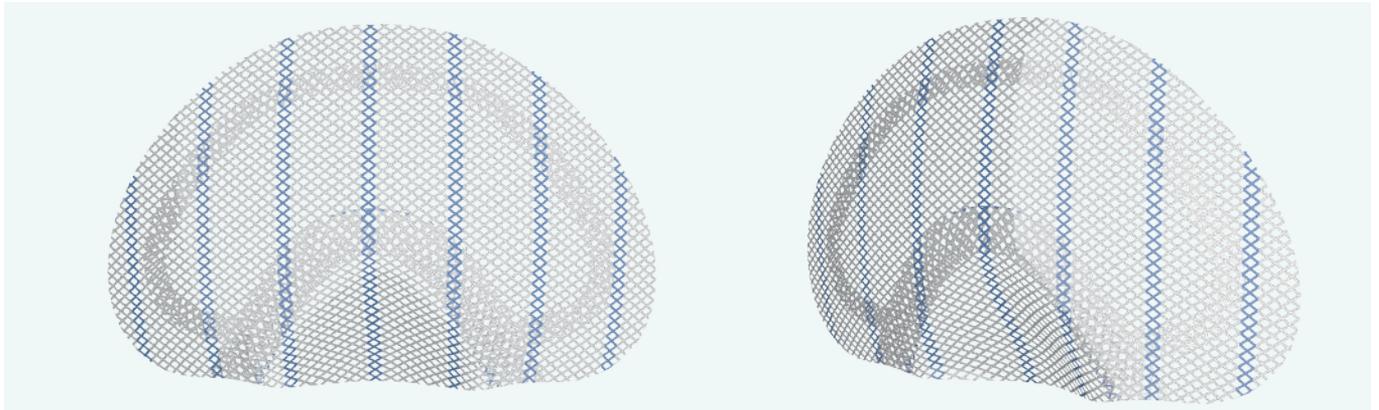
- [1] Reynvoet E, Deschepper E, Rogiers X, et al. Laparoscopic ventral hernia repair : is there an optimal mesh fixation technique? a systematic review. *Langenbecks Arch Surg.*2014;399:55-63.
- [2] 龙延滨,段降龙,张瑞鹏.α-氰基丙烯酸正丁酯医用胶在腹壁疝无张力修补术中的应用[J].*陕西医学杂志*,2013,42(2) :184-185.
- [3] Brill JB, Tuner PL. Long-term outcomes with trans-fascial sutures versus tacks in laparoscopic ventral hernia repair : a view. *Am Surg.*2011;4:458-65.
- [4] 蒋维荣,孟勇,高明清等.在腹腔镜经腹腹膜前疝修补术中不同补片固定方式效果比较的网状meta分析[J].*中国普外基础与临床杂志*,2023,30(02):204-213.
- [5] 王大川,于颖娟.2种固定方式用于腹腔镜下完全腹膜外腹股沟疝修补术的对比[J].*现代临床医学*,2014,40(01):20-21+25.
- [6] J,R,Eriksen,et al.Fibrin sealant for mesh fixation in laparoscopic umbilical hernia repair: 1-year results of a randomized controlled double-blinded study[J].*Hernia*, 2013.DOI:10.1007/s10029-013-1101-z.

## Conclusion

The references suggest that tacks fixation is a preferable method for fixing hernia meshes.

# EasyProsthes<sup>®</sup> Polypropylene Surgical Mesh

CE  
0197



EasyProsthes<sup>®</sup> 3D Mesh for Laparoscopic

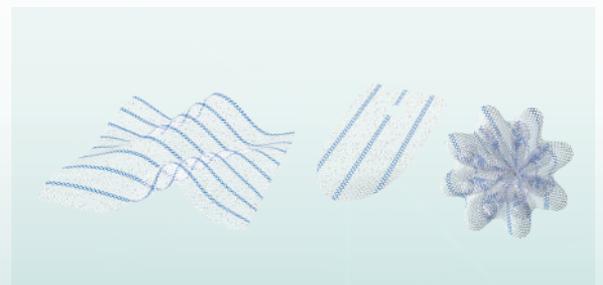
## Features and advantages

- The **3D structure** adapts to the MPO and prevents mesh displacement;
- **Lightweight large pore size** mesh reduces foreign material implanted;
- The woven **monofilament structure** reduces bacteria hiding and confers high infection resistance;
- A **retention elastic positioning band** that is easy to flatten during operation;
- No need to distinguish left and right, **easy to use**.

## Features and advantages

23 pirkimo dalis

- **Lightweight** polypropylene material that minimizes the inflammatory reaction;
- **2-3 mm large pore size** helps the ingrowth of scar tissue and lowers the shrinkage rate;
- The woven **monofilament structure** reduces bacteria hiding and confers high infection resistance;
- **High tensile strength** that can withstand abdominal pressure during physical activity.



EasyProsthes<sup>®</sup>  
Lightweight Polypropylene Mesh

## Product catalog

### EasyProstheses® Polypropylene 3D

Shape	Ref. Code		Description	pcs/box
	Light 40g/m <sup>2</sup>	Regular 60g/m <sup>2</sup>		
	010854		9×13cm	1
	010855		12×16cm	1
	010856		11×15cm	1

### EasyProstheses® Polypropylene Flat Mesh

Shape	Ref. Code		Description	pcs/box
	Light 40g/m <sup>2</sup>	Regular 60g/m <sup>2</sup>		
	010703	010303	6×11cm	5
	010718	010318	8×12cm	5
	010704	010304	8×15cm	5
	010706	010306	15×15cm	5
	010711	010311	10×15cm	5
	010708	010308	30×30cm	5

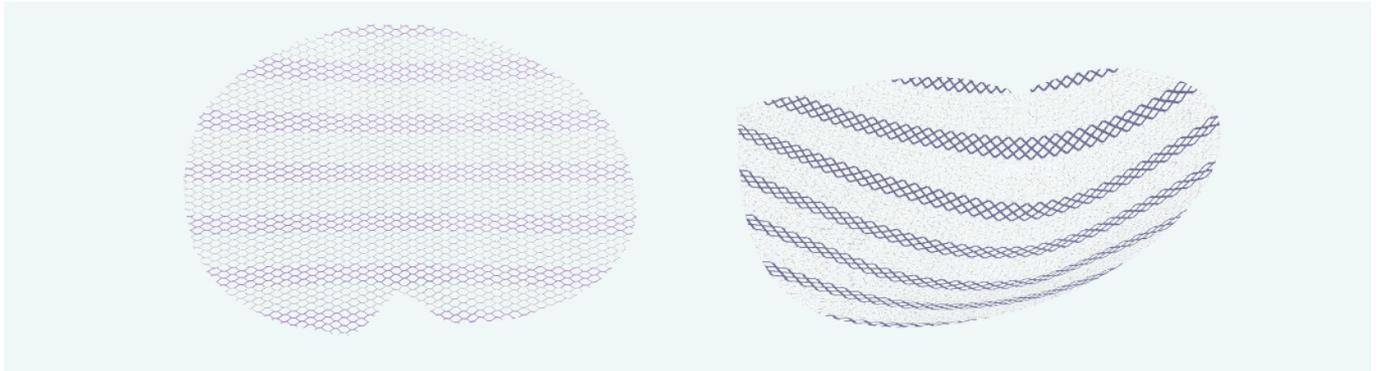
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### EasyProstheses® Polypropylene Plug

Shape	Ref. Code		Description	pcs/box
	Light 40g/m <sup>2</sup>	Regular 60g/m <sup>2</sup>		
	N/A	010439	D8cm 6×11cm	1
	010849	N/A	D8.3cm 6×11cm	1
	010852	N/A	D9cm 6×11cm	1

\*Custom size, shape, and package available upon request.

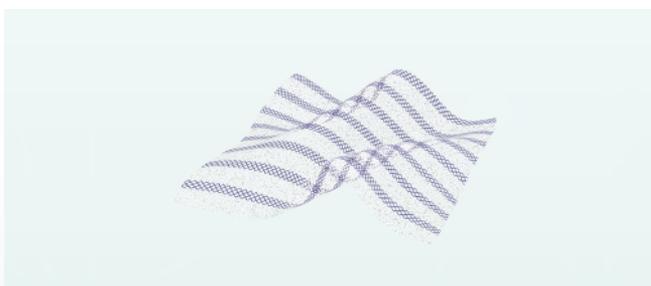
# EasyProsthes<sup>®</sup> Partially Absorbable Mesh



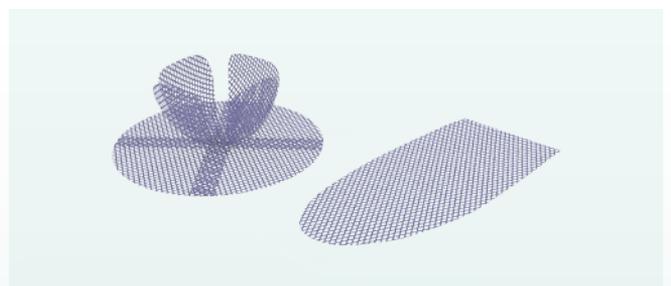
Partially Absorbable 3D Mesh for Laparoscopic

## Features and advantages

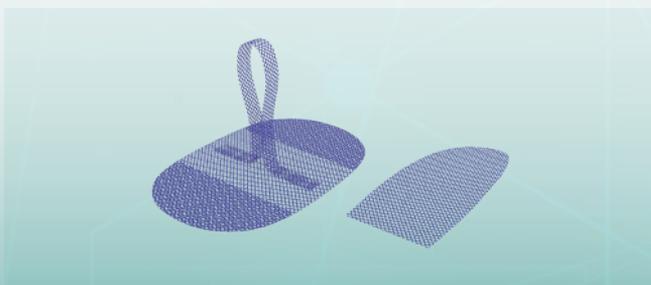
- The **3D structure** adapts to the MPO and prevents mesh displacement;
- A lightweight mesh with **3-4 mm large pore size** reduces the amount of foreign body implanted;
- **60%-70% high porosity** which facilitates the growth of scar tissue;
- The woven **monofilament structure** reduces bacteria hiding and confers high infection resistance;
- A **retention elastic positioning band** that facilitates rapid intraoperative flattening;



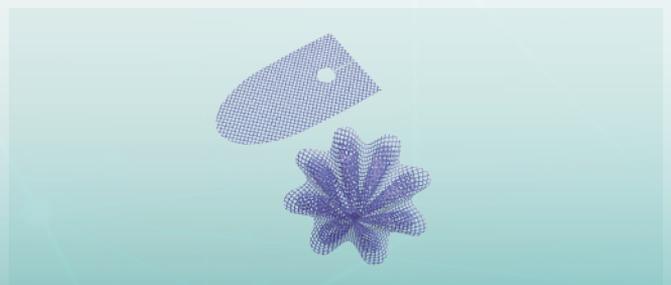
Partially Absorbable Flat Mesh



Partially Absorbable Pre-peritoneal Hernia Mesh



Partially Absorbable Stoppa



Partially Absorbable Plug

## Product catalog

### EasyProstheses® Partially Absorbable 3D

Shape	Ref. Code	Description	pcs/box
	PAML1	D15cm	1
	PAML2	D15cm	1

### EasyProstheses® Partially Absorbable Flat Mesh

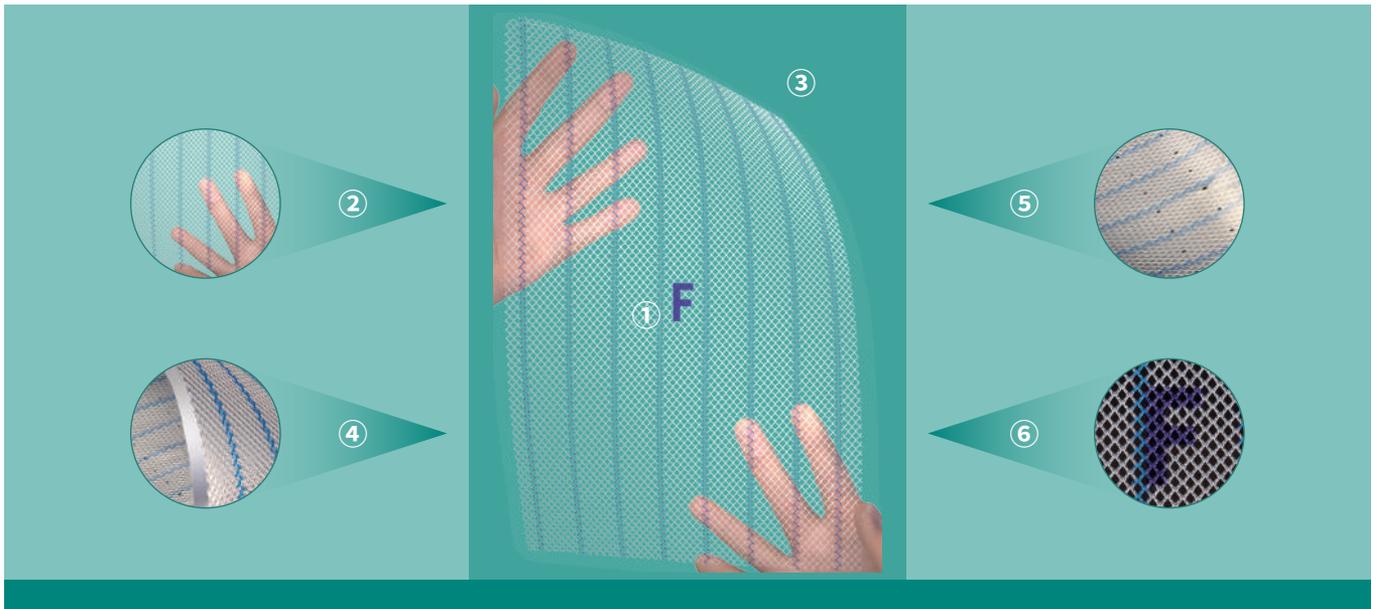
Shape	Ref. Code	Description	pcs/envelope
	PAM0510	5×10cm	1
	PAM0611	6×11cm	1
	PAM0815	8×15cm	1
	PAM1015	10×15cm	1
	PAM1515	15×15cm	1
	PAM3030	30×30cm	1

### EasyProstheses® Partially Absorbable Plug

Shape	Ref. Code	Description	pcs/box
	PAMG1	D7 6×11cm	1
	PAMG2	D7.5 6×11cm	1

\*Custom size, shape, and package available upon request.

# EasyPro™ Composite Mesh



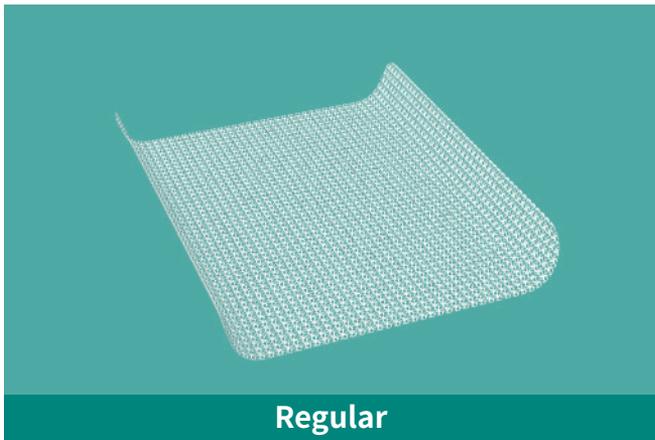
## Features and advantages

- ① The poly(lactide-co-epsilon-caprolactone)-**PLCL membrane** reduces tissue adhesion, facilitating peritoneal regeneration and repair;
- ② **Good Transparency**;
- ③ Close to physiological extension ( $\approx 30\%$ ), adapt to the abdominal wall;
- ④ **5-mm absorbable film** that reduces friction and tissue irritation caused by PP edge;
- ⑤ **Well-proportioned drainage holes** facilitate fluid exchange and protect against serious swelling;
- ⑥ Visible **blue lines** and “**F**” mark to identify the anti-adhesive side.

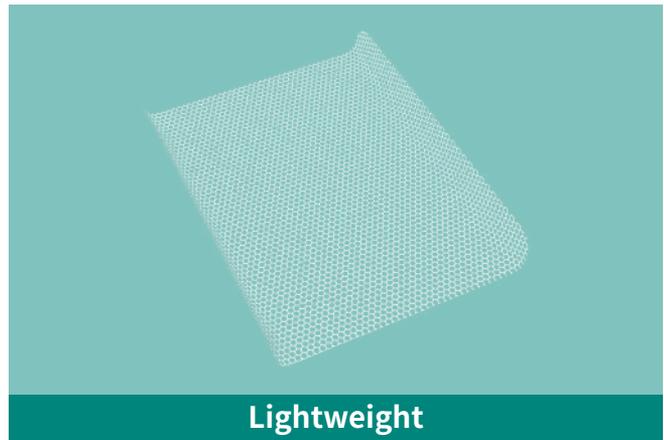
Shape	Ref. Code	Description	pcs/box
	ECM1010	10×10cm	1
	ECM1015	10×15cm	1
	ECM1515	15×15cm	1
	ECM1520	15×20cm	1
	ECM2025	20×25cm	1
	ECM1015V	10×15cm	1
	ECM1520V	15×20cm	1
	ECM2025V	20×25cm	1
	ECM10	D10	1
	ECM12	D12	1
	ECM15	D15	1

\*Custom size, shape, and package available upon request.

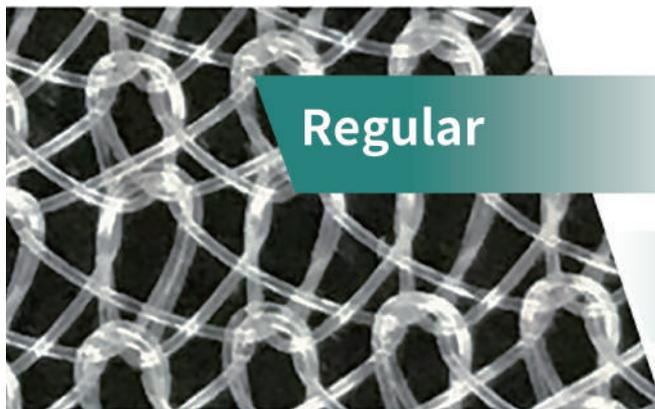
# PVDF Hernia Repair Mesh



Regular



Lightweight



Regular



Lightweight

## Features and advantages

- Polyvinylidene difluoride improved **biocompatibility**;
- **Upgraded pore shape**, less material implant, higher porosity;
- **Upgraded material**, less bacterial adherence;
- **More resistant to aging**, with more stable mechanical properties;
- **Unilateral rebound**, quickly flattened during surgery.

Shape	Description	pcs/envelope
	7.5×13.5cm	1
	10×15cm	1
	15×15cm	1
	12×16cm	1

\*Custom size, shape, and package available upon request.

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