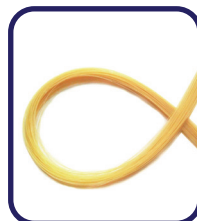
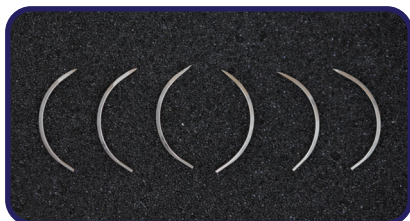




[WWW.GRAPHGROUP.PL](http://WWW.GRAPHGROUP.PL)

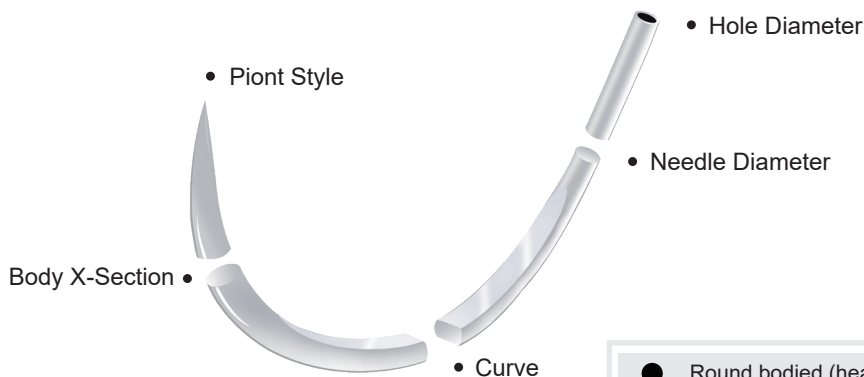
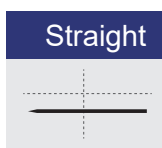
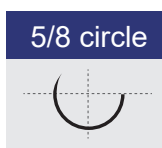
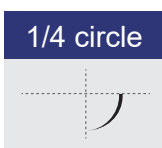
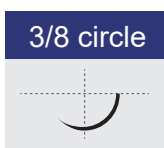
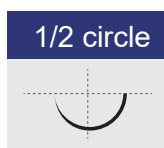
Shandong Haidike Medical Products Co., Ltd. is a leading and world famous medical devices manufacturer with CE, ISO, FSC, CFDA and FDA certificates. RTmED has registered as Madrid trademark. We have established good cooperation with Tsinghua University and Shandong Academy of Sciences, having great R&D center and research team. Our products are sold in over 100 countries.

- ◆ Absorbable Surgical Sutures Approved by CE Certificate
- ◆ OEM Manufacturer of Surgical Sutures
- ◆ Lifting Threads For Beauty
- ◆ Orthopedic Casting Tapes & Splints





## Needle Shapes



## Advantages

1

**Strong Hardness**

2

**Outstanding Sharpness**

3

**Excellent Tenacity And Ductility**

- Round bodied (heavy)
- ▲ Curved cutting (heavy)
- ▼ Reverse cutting (heavy)
- ⊕ Taper cutting
- ▼ Microfine spatula curved
- ⊙ Blunt point
- Straight round bodied
- ▲ Straight curved cutting

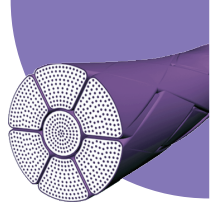
## PGA POLYGLYCOLIC ACID

### Properties:

Structure: Multifilament, Braided  
 Colour: Violet , Undyed  
 Chemical composition: Polyglycolic acid  
 Coating: Polycaprolactone + Calcium Stearate  
 Sizes: USP 8/0 - USP 4  
 Type of absorption: Hydrolysis  
 Sterilization: Ethylene Oxide  
 Absorption: 60 - 90 days

### Advantages:

- High initial tensile strength
- Excellent knotting ability
- Reliable absorbability
- Easy to handle
- Outstanding holding power through the critical wound period
- Smooth surface, slides smoothly through the tissue



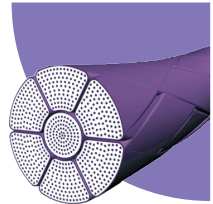
## PGLA POLYGLACTIN 910

### Properties:

Structure: Multifilament, Braided  
 Colour: Violet , Undyed  
 Chemical composition: Poly(glycolide-co-l-lactide 90/10)  
 Coating: Poly(glycolide-co-l-lactide 30/70) + Calcium Stearate  
 Sizes: USP 8/0 - USP 2  
 Type of absorption: Hydrolysis  
 Sterilization: Ethylene Oxide  
 Absorption: 56 - 70 days

### Advantages:

- High tensile strength
- Smooth tissue passage
- Easy knotting and tie down
- Excellent knot security
- Reliable absorbability





# SILK

## Product Profile:

Structure: Braided

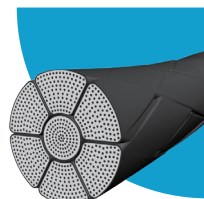
Colour: Black, White

Composition: Natural silk filaments

Coating: Silicon / wax

Sizes: USP 8/0 - USP 4

Sterilization: Ethylene Oxide



## Advantages:

- Excellent handling properties
- High tensile strength
- Highly smooth and flexible
- Good knot security



# POLYPROPYLENE

## Product Profile:

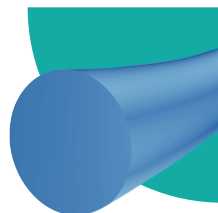
Structure: Monofilament

Colour: Blue

Chemical composition: Polypropylene

Sizes: USP 7/0 - USP 3

Sterilization: Ethylene Oxide



## Advantages:

- High tensile strength
- Smooth tissue passage
- Easy and secure knotting
- Minimal acute inflammatory reaction in tissues
- Excellent and permanent tissue support



# NYLON

## Product Profile:

Structure: Monofilament

Colour: Blue, Black

Chemical composition: polyamide 6 - 6.6

Sizes: USP 12/0 - USP 4

Sterilization: Ethylene Oxide



## Advantages:

- High tensile strength
- Smooth tissue passage
- Easy and secure knotting
- Excellent and permanent tissue support



# POLYESTER

## Product Profile:

Structure: Braided

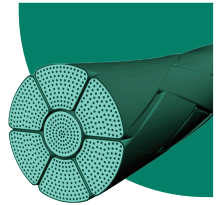
Colour: Green, White

Chemical composition: Polyethylene terephthalate

Coating: Silicon

Sizes: USP 6/0 - USP 4

Sterilization: Ethylene Oxide



## Advantages:

- High tensile strength
- Excellent handling properties
- Minimal tissue reaction
- Good knot security





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