

TROGE MEDICAL SURGICAL SUTURES



TROGE MEDICAL SURGICAL SUTURES

In more than 110 countries around the world, the name TROGE MEDICAL stands for the highest quality at competitive prices.

TROGE MEDICAL GmbH was established in 1986 and is recognised today as a world-wide supplier of medical devices including surgical sutures and pharmaceutical products. The company is based in Hamburg, the third largest container port in Europe, giving us an excellent vantage point to arrange logistics. We work with approved wholesalers and selected distribution partners in over 70 countries. These wholesalers distribute to hospitals, pharmacies and numerous aid organisations in their respective countries.

Our insistence on high-quality production is a matter of course for a company operating in a sensitive area, since people all over the world trust us, and this trust is our most important asset. We highly value the continuous improvement of our products to suit medical needs.

HIGHEST QUALITY AND SAFETY

TROGE MEDICAL has always complied with international quality standards such as EN ISO 9001 and EN ISO 13485 as well as the procedures of our German notified body TÜV NORD CERT. Our products are recognised by internationally approved standards such as EP, BP, USP as well as DIN, EN and ISO. All materials used and finished products are subjected to stringent quality control by a dedicated team. We take a 'beyond compliance' approach to our Quality Management Systems and Quality Assurance initiatives.

With this catalogue we would like to present to you our extensive range of high quality TROGE MEDICAL SURGICAL SUTURE materials.





TRO-PGA
POLYGLYCOLIC ACID
synthetic absorbable suture

EP 2 75 cm
USP 3-0

1/2 circle
round bodied
20 mm

Do not use if package
is damaged

TROGE MEDICAL GMBH · HAMBURG · GERMANY

TRO-CHROFIL
CHROMIC CATGUT
natural absorbable suture

EP 3 75 cm
USP 2-0

3/8 circle
reverse cutting
20 mm

Do not use if package
is damaged

TROGE MEDICAL GMBH · HAMBURG · GERMANY

TRO-GLECAFIL
POLYGLYCAPRONE 25
synthetic absorbable suture

EP 3 75 cm
USP 2-0

3/8 circle
reverse cutting
20 mm

Do not use if package
is damaged

TROGE MEDICAL GMBH · HAMBURG · GERMANY

TRO-PGA rapid
RAPID POLYGLYCOLIC ACID
synthetic absorbable suture

EP 3 75 cm
USP 2-0

1/2 circle
round bodied
26 mm

Do not use if package
is damaged

TROGE MEDICAL GMBH · HAMBURG · GERMANY

TRO-DOXAFIL
POLYDIOXANONE
synthetic absorbable suture
(MONOFILAMENT)

EP 3 75 cm
USP 2-0

1/2 circle
LOOP
20 mm

Do not use if package
is damaged

TROGE MEDICAL GMBH · HAMBURG · GERMANY

TRO-GLACTOFIL
POLYGLACTIN 910
synthetic absorbable suture

EP 3 75 cm
USP 2-0

3/8 circle
reverse cutting
20 mm

Do not use if package
is damaged

TROGE MEDICAL GMBH · HAMBURG · GERMANY

TRO-SILKOFIL
SILK BRAIDED
natural non-absorbable suture

EP 3 75 cm
USP 2-0

1/2 circle
round bodied
20 mm

Do not use if package
is damaged

TROGE MEDICAL GMBH · HAMBURG · GERMANY

TRO-PROPYFIL
POLYPROPYLENE
synthetic non-absorbable suture
(MONOFILAMENT)

EP 3 75 cm
USP 2-0

3/8 circle
reverse cutting
19 mm

Do not use if package
is damaged

TROGE MEDICAL GMBH · HAMBURG · GERMANY

TRO-GLACTOFIL
POLYGLACTIN 910
synthetic absorbable suture

EP 3 75 cm
USP 2-0

1/2 circle
round bodied
20 mm

Do not use if package
is damaged

TROGE MEDICAL GMBH · HAMBURG · GERMANY

TRO-PLAINFIL
PLAIN CATGUT
natural absorbable suture

EP 3 75 cm
USP 2-0

1/2 circle
round bodied
20 mm

Do not use if package
is damaged

TROGE MEDICAL GMBH · HAMBURG · GERMANY

TRO-POLYFIL
POLYESTER BRAIDED
synthetic non-absorbable suture

EP 3 75 cm
USP 2-0

1/2 circle
round bodied
20 mm

Do not use if package
is damaged

TROGE MEDICAL GMBH · HAMBURG · GERMANY

TRO-NYLOFIL
NYLON
synthetic non-absorbable suture
(MONOFILAMENT)

EP 3 75 cm
USP 2-0


1/2 circle
round bodied
20 mm

Do not use if package
is damaged

TROGE MEDICAL GMBH · HAMBURG · GERMANY











absorbable sutures

Brand Name/ Material	Structure	Range of Size (USP)	Color	Tensile strength retention days	Indication
TRO-PGA Polyglycolic Acid	Braided 	USP 2 – USP 10-0	Violet or Undyed 	14 days post implantation 75% 21 days post implantation 40%	<ul style="list-style-type: none"> General surgery Gastroenterology Urology Plastic surgery Subcutaneous and intracutaneous closure Gynaecology Ophthalmology Paediatric surgery Ligatures
TRO-PGA rapid Polyglycolic Acid	Braided 	USP 2 – USP 8-0	Undyed 	7 days post implantation 55% 14 days post implantation 20% 21 days post implantation 40%	<ul style="list-style-type: none"> Subcutaneous and intracutaneous closure Gynaecology Odontology Paediatric surgery Ophthalmology Ligatures
TRO-GLACTOFIL Polyglactin 910*	Braided 	USP 2 – USP 8-0	Violet 	14 days post implantation 75% 21 days post implantation 40% 28 days post implantation 20%	<ul style="list-style-type: none"> General surgery Gastroenterology Urology Plastic surgery Subcutaneous and intracutaneous closure Gynaecology Odontology Paediatric surgery Ophthalmology Ligatures
TRO-DOXAFIL Polydioxanone	Monofilament 	USP 2 – USP 7-0	Violet or Undyed 	14 days post implantation 75% 28 days post implantation 65% 42 days post implantation 50%	<ul style="list-style-type: none"> General soft tissue approximation, especially in cases where an extended wound support of more than 4 weeks is desirable Paediatric cardiovascular surgery Suturing of autologous peripheral vessels
TRO-GLECAFIL Polyglecaprone 25 (glycolide-caprolactone)	Monofilament 	USP 2 – USP 6-0	Violet or Undyed 	7 days post implantation 65% 14 days post implantation 40%	<ul style="list-style-type: none"> Subcutaneous and intracutaneous closure Gynaecology Odontology Paediatric surgery Ophthalmology Ligatures
TRO-PLAINFIL Plain Catgut	Twisted/ Natural 	USP 2 – USP 6-0	Yellow 	7–10 days	<ul style="list-style-type: none"> General, soft tissue approximation and/or ligation Ophthalmic procedures, but not for use in cardiovascular and neurological procedures
TRO-CHROFIL Chromic Catgut	Braided 	USP 2 – USP 6-0	Brown 	21–28 days	

* Available also as TRO-GLACTOFIL antibacterial

non-absorbable sutures

Brand Name/ Material	Structure	Range of Size (USP)	Color	Tensile strength	Indication
TRO-PROPYFIL Polypropylene	Monofilament 	USP 2 – USP 10-0	Blue 	No loss of tensile strength	<ul style="list-style-type: none"> ▪ Vascular and cardiovascular surgery ▪ Skin closure ▪ Plastic surgery ▪ Ophthalmology ▪ Neurosurgery
TRO-NYLOFIL Polyamide 6 and 6.6	Monofilament, Braided 	USP 2- USP 6/0	Blue or Black 	15–20% loss of tensile strength per year	<ul style="list-style-type: none"> ▪ Skin closure and plastic surgery ▪ Micro-vascular surgery ▪ Ophthalmology ▪ Orthopaedics
TRO-POLYFIL Polyethylene Terephthalate	Braided 	USP 5-0 – USP 7-0	Green or White 	Indefinite/long period	<ul style="list-style-type: none"> ▪ Skin closure ▪ Cardiovascular surgery ▪ Vascular surgery ▪ Ophthalmology ▪ Orthopaedics ▪ Gastrointestinal surgery ▪ Neurosurgery
TRO-SILKOFIL Natural Silk	Braided, Twisted 	USP 6-0 USP 8-0 (Braided Silk) USP 8-0 – USP 9-0 (Twisted Silk)	Black (Braided Silk) Blue (Twisted Silk) 	Gradual loss of tensile strength over two years	<ul style="list-style-type: none"> ▪ General surgery ▪ Skin Closure ▪ Oral surgery ▪ Neurosurgery ▪ Ligatures (Braided Silk)



Needle Shape

	Tip shape	Needle Cross-section	Application
Taper point/Round Bodied			Gentle separation of fibrous tissue (aponeurosis, biliary tract, dura, fascia, gastrointestinal tract, laparoscopy, muscle, myocardium, nerve, peritoneum, pleura, subcutaneous fat, urogenital tract, vessels, valve)
Cutting	Conventional Cutting 		skin, sternum
	Reverse Cutting 		Cutting edge on outer curve. For tough, difficult-to-penetrate tissues. (fascia, ligament, nasal cavity, oral, mucosa, pharynx, skin, tendon sheath)
Premium Cutting/Extra sharp			skin (plastic or cosmetic)
Blunt			Blunt dissection (friable tissue), cervix (ligating incompetent cervix), fascia, intestine, kidney, liver, spleen
Taper Cut			Easy penetration of dense tough tissue
Spatula			eye (primary application)

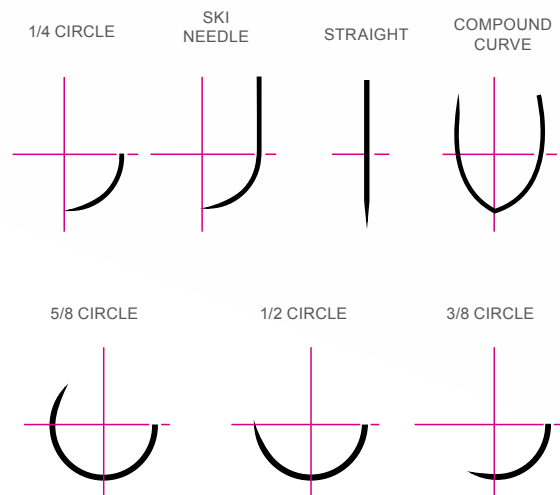
Suture Size

USP	Ph Eur. (Metric)	Diameter (mm)
10-0	0.2	0.020–0.029
9-0	0.3	0.030–0.039
8-0	0.4	0.040–0.049
7-0	0.5	0.050–0.069
6-0	0.7	0.070–0.099
5-0	1	0.100–0.149
4-0	1.5	0.150–0.199
3-0	2	0.200–0.249
2-0	3	0.300–0.349
0	3.5	0.350–0.399
1	4	0.400–0.499
2	5	0.500–0.599

Please note: USP values differ for Catgut Sutures

Needle Curvature

The choice of needle shape is frequently governed by the accessibility of the tissue to be sutured, and normally the more confined the operative site the greater the curvature required. The basic shapes involved are:



Suture

Needle

absorbable sutures

non-absorbable sutures

		Suture			Needle		
		Length cm	Diametre USP	Length mm	Curvature	Cross-section	
absorbable sutures	TRO-PGA Polyglycolic Acid	15	10-0	6	straight	round bodied	
	TRO-PGA rapid Polyglycolic Acid	20	9-0	6.5	1/2 circle	round bodied heavy	
	TRO-GLACTOFIL Polyglactin 910	30	8-0	7		curved cutting	
	TRO-DOXAFIL Polydioxanone	45	7-0	8	1/2 circle (double)	curved cutting heavy	
	TRO-GLECAFIL Polyglecaprone 25	60	6-0	8.5		reverse cutting	
	TRO-CHROFIL Chromic catgut	70	5-0	10	1/4 circle	reverse cutting heavy	
	TRO-PLAINFIL Plain catgut	90	4-0	11		tapercut	
non-absorbable sutures	TRO-PROPYFIL Polypropylene	120	3-0	12	1/4 circle (double)	tapercut heavy	
	TRO-NYLOFIL Nylon	125	2-0	13		micro-point spatula curved	
	TRO-SILKOFIL Silk	150	0	14	3/8 circle	blunt taper point	
	TRO-POLYFIL Polyester	180	1	15		blunt taper point heavy	
			2	16	5/8 circle	straight cutting	
				17		Compound Curve	
				18			
				19			
				20			
				22			
				24			
			25				

*Also available as PGLA antibacterial

Further specifications available on request

 Example Product Code: **PGA** **2** **10** **35** **B** **0** **CODE** **PGA21035B0**

Related TROGE MEDICAL products:

TRO-MICROCISION

SURGICAL SCALPELS



Quality: DIN EN 27740 (= ISO 7740)

TRO-MICROCISION surgical scalpels consist of a plastic handle to which a blade of carbon steel is securely fixed. The precision blades show durable sharpness also during long incisions. TRO-MICROCISION surgical scalpels are sterile, pyrogen-free and atoxic. Also available with stainless steel blade. For single use.

MATERIAL: PVC, carbon / stainless steel

STANDARD SIZES: 10 | 11 | 12 | 15 | 18 | 20 | 21 | 22 | 23 | 24 other sizes available

TRO-MICROCUT/ TRO-MICROGRIP

SURGICAL BLADES/SCALPEL HANDLES



Quality: DIN EN 27740 (= ISO 7740)

TRO-MICROCUT surgical blades are made of carbon steel. The precision blades show durable sharpness also during long incisions. Sterile, pyrogen-free and atoxic. Also available in stainless steel. For single use. For smooth and safe surgery incisions. TRO-MICROGRIP scalpel handles are made of stainless steel and can be reused. They are supplied non sterile.

SIZES – SCALPEL HANDLES:

No. 3 (for blades no. 10 – 15)

No. 4 (for blades no. 18 – 25)

MATERIAL: Carbon / stainless steel

STANDARD SIZES – BLADES: 10 | 11 | 12 | 15 | 18 | 20 | 21 | 22 | 23 | 24
other sizes available

TRO-SENSOSURGE

SURGICAL GLOVES



QUALITY: ASTM D 3577, EN 455

TRO-SENSOSURGE surgical gloves are made of soft latex material and are sterile. Due to their excellent elasticity they are extremely resistant and show a high tensile strength. They are shaped anatomically and lightly powdered with fully absorbable corn starch USP, ensuring best comfort also in longlasting procedures. The microrough surface enables improved instrument handling maintaining maximum sensitivity. Also available, TRO-SENSOSURGE plus: powder free, polymer-coated surgical gloves with extra long cuff. For single use in the operating room or catheterisations.

MATERIAL: Latex

SIZES: 6 | 6.5 | 7 | 7.5 | 8 | 8.5 | 9

CARING FOR GLOBAL HEALTH