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SUTURE



RT[®]ED 单县润特医疗器械有限公司

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Company Brief Introduction

单县润特医疗器械有限公司是一家专业生产一次性手术缝合线等医疗器械的企业，主要产品有：可吸收医用缝合线带针（平制/铬制羊肠线、PGA、PDO、PGLA、PGCL等）、非可吸收医用缝合线带针（丝线、尼龙线、涤纶线、聚丙烯线等）、缝合线原线、盒装线及医用缝合针（304、420系列），美容针线，高分子绷带，夹板，退热贴等一二三类系列耗材。

公司已通过了 ISO13485 国际质量管理体系认证和CE0197认证，按照GMP规范建立了全资子公司，并取得国家药监局核发的《医疗器械生产企业许可证》，拥有亚洲最大的肠线生产基地，可月产120万支缝合线。产品出口到欧洲，美国，中东，东南亚等70多个国家和地区。公司获得“山东省高新技术企业”，“产业化龙头企业”，“国家级创新基金承担单位”，“青年文明号”等称号。拥有以“山东省泰山领军人才”为首的强大科研团队。

真诚希望与您合作，共创美好未来！

SHANXIAN RUNTE MEDICAL INSTRUMENTS CO., LTD is a professional surgical suture manufacturer. RUNTE MEDICAL is one famous brand in the world with high reputation, good after-sale services team, rapid delivery time based on the good quality. The main products include all kinds of surgical suture with needle, non sterile raw material, beauty lifting threads, 420J2 and 304 grade stainless steel end drilled needles, fiberglass orthopedic casting tape and splint etc. We are offering OEM service for many famous brands and providing raw materials of Catgut, Silk, Nylon, Polyester and needles to suture plants. Our sales network has been all over the world.

Our sutures are ISO, CE, FSC, BSE FREE approved and OEM is welcome.

Sincerely hope you can be our long term cooperation partners and friends!

Наша компания является профессиональным производством одноразовых хирургических шовных нитях и других назначениях медицинских изделиях. Основными видами продукции являются: рассасывающиеся шовные нити с иглами (простой / хромированный кетгут, PGA, PDO, PGLA, PGCL, и т.д.), Нерассасывающиеся шовные нити с иглами (шелк, нейлон, полиэстер, полипропилен, капрон и т.д.), Хирургические швы сырье, кассеты шовные нити и медицинской атравматические иглы (304,420 серия сталь), Медицинский полимерный бинт и шины,наложить пластырь т.д, включает в первого, второго, третьего классификации расходных материалов серии.

Компания прошла международную сертификацию системы менеджмента качества и сертификации CE0197 ISO13485, в соответствии со стандартом GMP, и получил сертификат «Разрешить медицинское оборудование производственных предприятий». Теперь уже является крупнейшим в Азии производственной базы кетгута, Экспорт в Европу, Америку, Ближний Восток, Юго-Восточной Азии, более чем 70 странах и регионах.



<< Reputation certification



CATGUT

CHROM



DESCRIPTION

Surgical gut suture(Plain and Chromic) is an absorbable sterile surgical suture composed of purified connective tissue(mostly collagen) derived from either the serosal layer of beef (bovine) or the submucosal fibrous layer of sheep(ovine) intestines.

The chromic Catgut is treated with glycerin and chromic salt solution and to delay the absorption.

CHARACTERISTICS

- High tensile strength
- Excellent handling properties
- Minimal tissue reaction
- Uniform absorption

INDICATION

Surgical catgut is indicated for use in general, soft tissue approximation and/or ligation, including use in ophthalmic procedures, gastrointestinal, dental and gynecological, but not for use in cardiovascular and neurological procedures.

Plain Catgut suture should not be used where longer suture support is necessary.

Pay attention to the sensitivities or allergies to collagen or chromium.

PROPERTIES

Catgut suture have a high initial tensile strength, which is retained for up to 30 days.

The process of Chromic catgut's mass absorption is completed in 90 days.

While Plain Catgut will be absorbed completely in 60-70 days.

CATGUT

CHROM

CHROMIC CATGUT

Absorbable

Needle Form	Suture Gauge U.S.P								Length	Color	Application
	5-0	4-0	3-0	2-0	0	1	2	3			
Round Bodied 13mm 3/8									75cm	Brown	Gynaecology
Round Bodied 16mm 1/2	H055	H045							75cm	Brown	surgery, Soft
Round Bodied 20mm 1/2		H046	H033						75cm	Brown	tissue clo-
Round Bodied 26mm 1/2			H034	H022					75cm	Brown	tures,
Round Bodied 30mm 1/2			H035	H023					75cm	Brown	Sub-cutane-
Round Bodied 37mm 1/2				H024	H004	H012			75cm	Brown	ous closures
Round Bodied 40mm 1/2					H005	H013	H201		75cm	Brown	
Round Bodied 42mm 1/2									75cm	Brown	
Round Bodied 45mm 1/2						H016	H203	H303	75cm	Brown	
Cutting 46mm 3/8									75cm	Brown	
Cutting 19mm 3/8		H048							75cm	Brown	
Cutting 24mm 3/8			H038						75cm	Brown	
Cutting 30mm 3/8			H039	H028					75cm	Brown	
Cutting 37mm 3/8				H029	H009	H017			75cm	Brown	
Cutting 42mm 3/8					H000	H018	H204	H304	75cm	Brown	
Taper cutting 30mm 1/2									75cm	Brown	
Taper cutting 36mm 1/2									75cm	Brown	
Reverse Cutting 30mm 3/8									75cm	Brown	
Reverse Cutting 35mm 3/8					H073		H206		75cm	Brown	
WITHOUT NEEDLE	H601	H602	H603	H604	H605	H606	H607	H608	150cm	Brown	
WITHOUT NEEDLE	H701	H702	H703	H704	H705	H706	H707	H708	150cm	Brown	

CATGUT

PLAIN



DESCRIPTION

Surgical gut suture(Plain and Chromic) is an absorbable sterile surgical suture composed of purified connective tissue(mostly collagen) derived from either the serosal layer of beef (bovine) or the submucosal fibrous layer of sheep(ovine) intestines.

The chromic Catgut is treated with glycerin and chromic salt solution and to delay the absorption.

CHARACTERISTICS

- High tensile strength
- Excellent handling properties
- Minimal tissue reaction
- Uniform absorption

INDICATION

Surgical catgut is indicated for use in general, soft tissue approximation and/or ligation, including use in ophthalmic procedures, gastrointestinal, dental and gynecological, but not for use in cardiovascular and neurological procedures.

Plain Catgut suture should not be used where longer suture support is necessary.

Pay attention to the sensitivities or allergies to collagen or chromium.

PROPERTIES

Catgut suture have a high initial tensile strength, which is retained for up to 30 days.

The process of Chromic catgut's mass absorption is completed in 90 days.














While Plain Catgut will be absorbed completely in 60-70 days.

CATGUT

PLAIN

PLAIN CATGUT

Absorbable

Needle Form	Suture Gauge U.S.P								Length	Color	Application
	5-0	4-0	3-0	2-0	0	1	2	3			
Round Bodied  13mm 3/8	H05								60cm	Plain	Gynaecology surgery, Soft tissue closure, Subcutaneous closures
Round Bodied  16mm 1/2		H04							75cm	Plain	
Round Bodied  20mm 1/2									75cm	Plain	
Round Bodied  26mm 1/2			H03	H02					75cm	Plain	
Round Bodied  30mm 1/2			H03	H02					75cm	Plain	
Round Bodied  37mm 1/2				H02	H00	H10	H20		75cm	Plain	
Round Bodied  40mm 1/2					H00	H10	H20		75cm	Plain	
Cutting  19mm 3/8		C04							75cm	Plain	
Cutting  24mm 3/8			C03						75cm	Plain	
Reverse Cutting  30mm 3/8			R03	R02					75cm	Plain	
Reverse Cutting  35mm 3/8				R02	R00				75cm	Plain	
Taper cutting  30mm 1/2									75cm	Plain	
Taper cutting  36mm 1/2									75cm	Plain	
WITHOUT NEEDLE	H60	H60	H60	H60	H60	H60	H60	H60	150cm	Plain	
WITHOUT NEEDLE	H70	H70	H70	H70	H70	H70	H70	H70	150cm	Plain	

POLYGLYCOLIC ACID

PGA



DESCRIPTION

Polyglycolic Acid (PGA) is a sterile absorbable synthetic, multifilament suture composed of glycolic acid.

The yarns are braided and coated with a blend of polycaprolate, copolymer of caprolactone and glycolide and Calcium Stearate.

The PGA Suture is available in violet and undyed from sizes: USP8/0 – USP4.

CHARACTERISTICS

- High initial tensile strength
- Excellent knotting ability
- Outstanding holding power through the critical wound period
- Reliable absorbability

INDICATION

PGA Sutures are indicated for use in general surgery.

It is suitable for the coating of soft tissue and for ligation and also for use in ophthalmic surgery, gastrointestinal surgery, pediatric surgery, gynaecology, obstetrics, urology, plastic surgery, but not for use in cardiovascular tissue and neural tissue.

Being absorbable not to use when long wound support is required.

PROPERTIES

PGA Sutures have a high initial tensile strength, which is retained for up to 28 days, 70% of the tensile strength by the 2nd week and 50% by the 3rd week.

After which absorption by hydrolysis begins, where the polymer degrades to glycolic acid, which is absorbed by the body between 60-90 days.

POLYGLYCOLIC ACID

PGA

PGA

Braided Coated

Needle Form	Suture Gauge U.S.P								Length	Color	Application
	6-0	5-0	4-0	3-0	2-0	0	1	2			
△ Cutting 9mm 3/8									45cm	Violet	OB/GYN, Orthopedics, Pediatrics, Skin closure
▽ Reverse Cutting 12mm 3/8	A061								45cm	Violet	
△ Cutting 16mm 3/8			A040						60cm	Violet	
▽ Reverse Cutting 19mm 3/8			A041						70cm	Violet	
△ Cutting 24mm 3/8				A031					70cm	Violet	
▽ Reverse Cutting 26mm 3/8				A032					70cm	Violet	
△ Cutting 28mm 3/8					A022				70cm	Violet	
△ Cutting 30mm 3/8					A023				70cm	Violet	
△ Cutting 35mm 3/8					A024	A003			70cm	Violet	
▽ Reverse Cutting 37mm 3/8						A004	A104	A203	75cm	Violet	
△ Cutting 40mm 3/8									75cm	Violet	
▽ Reverse Cutting 42mm 3/8									75cm	Violet	
○ Round Bodied 10mm 1/2	A062								45cm	Violet	
○ Round Bodied 13mm 1/2		A053							45cm	Violet	
○ Round Bodied 16mm 1/2			A042						60cm	Violet	
○ Round Bodied 20mm 1/2			A043						60cm	Violet	
○ Round Bodied 24mm 1/2				A036					70cm	Violet	
○ Round Bodied 26mm 1/2					A037				70cm	Violet	
○ Round Bodied 30mm 1/2					A027				70cm	Violet	
○ Round Bodied 35mm 1/2						A007			75cm	Violet	
○ Round Bodied 37mm 1/2						A008		A205	75cm	Violet	
○ Round Bodied 40mm 1/2							A107	A206	75cm	Violet	
○ Round Bodied 45mm 1/2							A108	A207	75cm	Violet	
WITHOUT NEEDLE				A038	A028	A009	A109	A208	150cm	Violet	

POLYGLACTIN

910



DESCRIPTION

POLYGLACTIN (PGLA) is a sterile absorbable synthetic, multifilament suture composed of polyglactin 910 glycoside an lactide derived from glycolic and lactic acids, coated with a blend of caprolactone/glycolid copolymer and calcium stearoyl lactylate.

PGLA sutures are available violet and undyed color from sizes: USP8/0–USP2.

PGLA sutures coated with polycaprolactone and calcium stearate.

CHARACTERISTICS

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

INDICATION

Surgical catgut is indicated for use in general, soft tissue approximation and/or ligation, including use in ophthalmic procedures, gastrointestinal, dental and gynecological, but not for use in cardiovascular and neurological procedures.

Plain Catgut suture should not be used where longer suture support is necessary.

Pay attention to the sensitivities or allergies to collagen or chromium.

PROPERTIES

Catgut suture have a high initial tensile strength, which is retained for up to 30 days.

The process of Chromic catgut's mass absorption is completed in 90 days.

While Plain Catgut will be absorbed completely in 60-70 days.

POLYGLACTIN

910

VICRYL*PLUS

ABSORABLE SURGICAL SUTURE U.S.P.(SYNTHETIC)
ANTIBACTERIAL BRAIDED COATED POLYGLACTIN 910 VIOLET

Needle Form	Suture Gauge U.S.P								Length	Color	Application
	6-0	5-0	4-0	3-0	2-0	0	1	2			
△ Cutting 9mm 3/8	V060								45cm	Violet	Gynaecology/obstetrics, Orthopaedics, Skin closure
▽ Reverse Cutting 12mm 3/8	V061	V051							45cm	Violet	
△ Cutting 16mm 3/8			V040						60cm	Violet	
▽ Reverse Cutting 19mm 3/8			V041						70cm	Violet	
△ Cutting 24mm 3/8				V031					70cm	Violet	
▽ Reverse Cutting 26mm 3/8				V032	V021				70cm	Violet	
△ Cutting 28mm 3/8									70cm	Violet	
△ Cutting 30mm 3/8				V034	V023	V002			70cm	Violet	
△ Cutting 35mm 3/8					V024	V003			70cm	Violet	
▽ Reverse Cutting 37mm 3/8						V004	V104	V203	75cm	Violet	
△ Cutting 40mm 3/8									75cm	Violet	
▽ Reverse Cutting 42mm 3/8									75cm	Violet	
○ Round Bodied 10mm 1/2	V062								45cm	Violet	
○ Round Bodied 13mm 1/2		V053							45cm	Violet	
○ Round Bodied 16mm 1/2			V042						60cm	Violet	
○ Round Bodied 20mm 1/2			V043						60cm	Violet	
○ Round Bodied 24mm 1/2				V036					70cm	Violet	
○ Round Bodied 26mm 1/2					V037				70cm	Violet	
○ Round Bodied 30mm 1/2					V027				70cm	Violet	
○ Round Bodied 35mm 1/2						V007			75cm	Violet	
○ Round Bodied 37mm 1/2						V008	V106		75cm	Violet	
○ Round Bodied 40mm 1/2							V107	V206	75cm	Violet	
○ Round Bodied 45mm 1/2								V207	75cm	Violet	
WITHOUT NEEDLE				V038	V028	V009	V109	V208	150cm	Violet	

POLYGLECAPRONE 25

MONOFAST



DESCRIPTION

Polyglecaprone 25 (PGCL) is a sterile absorbable synthetic monofilament suture composed of poly glycolide-co-caprolactone. PGCL suture is available in violet and undyed from sizes: USP6/0 – USP2.

CHARACTERISTICS

- High initial tensile strength
- Lower Incidence of Infection and Trauma due to Smooth Surface
- Smooth tissue passage
- Excellent handling properties : Flexible, easy to tie

INDICATION

PGCL sutures are indicated for use in superficial soft tissue and/or ligation including general surgery, including plastic surgery, gastrointestinal surgery, gynaecology, as well as urology.

It is not for use in cardiovascular, neurology and ophthalmic surgery.

PROPERTIES

PGCL sutures retain 60% of the tensile strength by the first week, and 30% by the second week. After the absorption by hydrolysis begins, the copolymer degrades to glycolic acid, which is absorbed completely in 90-110days.

POLYGLECAPRONE 25

MONOFAST

POLYGLECAPRONE

Monofilament

Needle Form	Suture Gauge U.S.P								Length	Color	Application
	6-0	5-0	4-0	3-0	2-0	0	1	2			
△ Cutting 9mm 3/8	P060								45cm	Violet	Gynaecology surgery, Soft tissue closures, Bowel anastomosis, Sub-cutaneous closures
▽ Reverse Cutting 12mm 3/8	P061	P051							45cm	Violet	
△ Cutting 16mm 3/8			P040						60cm	Violet	
▽ Reverse Cutting 19mm 3/8			P041						70cm	Violet	
△ Cutting 24mm 3/8				P031					70cm	Violet	
▽ Reverse Cutting 26mm 3/8				P032					70cm	Violet	
△ Cutting 28mm 3/8				P033	P022				70cm	Violet	
△ Cutting 30mm 3/8				P034	P023				70cm	Violet	
△ Cutting 35mm 3/8					P024	P003			70cm	Violet	
▽ Reverse Cutting 37mm 3/8							P104	P203	75cm	Violet	
△ Cutting 40mm 3/8									75cm	Violet	
▽ Reverse Cutting 42mm 3/8									75cm	Violet	
○ Round Bodied 10mm 1/2	P062								45cm	Violet	
○ Round Bodied 13mm 1/2		P053							45cm	Violet	
○ Round Bodied 16mm 1/2			P042						60cm	Violet	
○ Round Bodied 20mm 1/2			P043	P035					60cm	Violet	
○ Round Bodied 24mm 1/2				P036					70cm	Violet	
○ Round Bodied 26mm 1/2					P037				70cm	Violet	
○ Round Bodied 30mm 1/2					P027				70cm	Violet	
○ Round Bodied 35mm 1/2									75cm	Violet	
○ Round Bodied 37mm 1/2						P008	P106		75cm	Violet	
○ Round Bodied 40mm 1/2							P107	P206	75cm	Violet	
○ Round Bodied 45mm 1/2								P207	75cm	Violet	
WITHOUT NEEDLE				P038	P028	P009	P109	P208	150cm	Violet	

POLYDIOXANONE

MONOFILAMENT



DESCRIPTION

PDO is a sterile absorbable synthetic monofilament suture composed of poly p-dioxanone and coated with polycaprolactone and calcium stearate.

PDO suture is available in violet and undyed from sizes: USP7/0 – USP2. PDO sutures are found to be nonpyrogenic.

CHARACTERISTICS

- Compliance with the requirements of EP
- Lower Incidence of Infection and Trauma due to Smooth Surface
- Smooth tissue passage
- Predictable loss and Higher strength compared to Catgut

INDICATION

PDO sutures are generally preferred where the combination of an absorbable suture and longer wound support is desired. PDO is generally used in general surgery, including pediatric surgery, ophthalmic surgery, gastrointestinal surgery, gynaecology, plastic surgery, urology and orthopaedics.

It is not used for adult cardiovascular tissue, neurology and prosthetic devices .

PROPERTIES

The results of in vitro studies of PDO suture indicate that 70% of its original strength remains after 4 weeks and 50% of its original strength remains after 6 weeks.

PDO suture complete absorption takes 6-7 months.

POLYDIOXANONE

MONOFILAMENT

PDO

Monofilament

Needle Form	Suture Gauge U.S.P								Length	Color	Application
	6-0	5-0	4-0	3-0	2-0	0	1	2			
△ Cutting 9mm 3/8	D061								45cm	Undyed	Skin closure, Fascia, ligament, tendon
▽ Reverse Cutting 12mm 3/8									45cm	Undyed	
△ Cutting 16mm 3/8	D062	D053	D042						60cm	Undyed	
▽ Reverse Cutting 19mm 3/8			D043	D032					75cm	Undyed	
▽ Reverse Cutting 26mm 3/8				D033	D021				75cm	Undyed	
△ Cutting 30mm 3/8				D034	D022				75cm	Undyed	
△ Cutting 35mm 3/8									75cm	Undyed	
▽ Reverse Cutting 37mm 3/8						D003	D102		75cm	Undyed	
△ Cutting 40mm 3/8						D004	D103		75cm	Undyed	
▽ Reverse Cutting 42mm 3/8								D202	75cm	Undyed	
⊙ Round Bodied 10mm 1/2	D063								45cm	Undyed	
⊙ Round Bodied 16mm 1/2		D055	D044								
⊙ Round Bodied 20mm 1/2			D045						60cm	Undyed	
⊙ Round Bodied 26mm 1/2				D037	D026				75cm	Undyed	
⊙ Round Bodied 30mm 1/2				D038	D027				75cm	Undyed	
⊙ Round Bodied 36mm 1/2							D105		75cm	Undyed	
⊙ Round Bodied 37mm 1/2						D008		D203	75cm	Undyed	
⊙ Round Bodied 40mm 1/2						D009	D107		75cm	Undyed	
⊙ Round Bodied 45mm 1/2								D204	75cm	Undyed	

SILK

BLACK/UNDYED



DESCRIPTION

Silk is a strand of braided silk fibrils and is derived from the filaments of Bombyx Mori silkworm, called fibroin. The silk are treated to remove natural sericin gum and is further dyed with black non-toxic dyes and coated in silicone or wax to provide a smooth surface and greater tensile strength.

The available silk sizes are from USP8/0-USP4.

CHARACTERISTICS

- Excellent handling properties
- High tensile strength
- Highly smooth and flexible

INDICATION

Silk is indicated for use in general soft tissue closing and/or ligation, including general surgery, ophthalmic surgery, oral surgery, gastrointestinal surgery, gynaecology and obstetrics.

SILK

BLACK/UNDYED

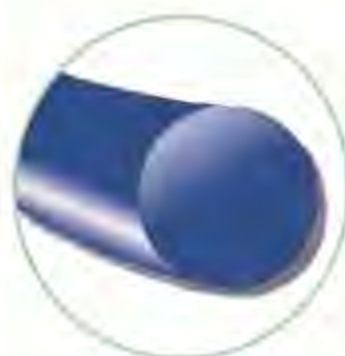
BLACK SILK

Braided Coated

Needle Form	Suture Gauge U.S.P								Length	Color	Application
	6-0	5-0	4-0	3-0	2-0	0	1	2			
△ Cutting 9mm 3/8	L061								45cm	Black	Skin closure (intracutaneous, subcutaneous), General soft tissue approximation and/or ligation, Cardiovascular surgeries, Orthopedic surgeries, Oral surgeries
▽ Reverse Cutting 12mm 3/8									60cm	Black	
△ Cutting 16mm 3/8		L052	L040						70cm	Black	
▽ Reverse Cutting 19mm 3/8			L041	L030					75cm	Black	
△ Cutting 24mm 3/8				L031					75cm	Black	
▽ Reverse Cutting 26mm 3/8				L032	L021				70cm	Black	
△ Cutting 28mm 3/8									75cm	Black	
△ Cutting 30mm 3/8				L034	L023				75cm	Black	
△ Cutting 35mm 3/8									75cm	Black	
▽ Reverse Cutting 37mm 3/8						L003	L012		75cm	Black	
△ Cutting 40mm 3/8						L004	L013	L202	75cm	Black	
▽ Reverse Cutting 42mm 3/8								L203	75cm	Black	
○ Round Bodied 10mm 1/2	L062								45cm	Black	
○ Round Bodied 13mm 1/2		L054							60cm	Black	
○ Round Bodied 16mm 1/2			L043						70cm	Black	
○ Taper Cutting 20mm 1/2									75cm	Black	Oral surgeries
○ Round Bodied 24mm 1/2									75cm	Black	
○ Taper Cutting 26mm 1/2									75cm	Black	
○ Round Bodied 30mm 1/2				L039	L026				75cm	Black	
○ Round Bodied 35mm 1/2					L027				75cm	Black	
○ Round Bodied 37mm 1/2						L008	L016		75cm	Black	
○ Round Bodied 40mm 1/2						L009	L017	L206	75cm	Black	
○ Round Bodied 45mm 1/2									75cm	Black	
WITHOUT NEEDLE			L044	L045	L028	L046	L019	L208	150cm	Black	
Silk Reels 6Picx60cm	L063	L055	L047	L048	L029	L049	L064	L209		Black	

NYLON

Black/Blue



DESCRIPTION

Nylon is a sterile non-absorbable, monofilament, synthetic suture composed of polyamide 6 and/or polyamide 6.6. Nylon sutures are dyed blue or black available from size USP12/0-USP4. Nylon meets all the requirements established by the United States Pharmacopeia for Non-absorbable surgical suture.

CHARACTERISTICS

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

INDICATION

Nylon is indicated for use in general soft tissue closing and/or ligation. Blue nylon is suitable for use in general surgery, plastic surgery, gastrointestinal surgery, gynaecology, obstetrics and orthopaedics. While black nylon is preferred in plastic surgery and ophthalmic surgery.

NYLON

Black/Blue

NYLON

Monofilament

Needle Form	Suture Gauge U.S.P								Length	Color	Application
	6-0	5-0	4-0	3-0	2-0	0	1	2			
△ Cutting 9mm 3/8	N061								45cm	Black	Skin closure, Plastic and reconstructive surgery, Orthopaedic surgery, Cuticular closure
▽ Reverse Cutting 12mm 3/8	N062	N051							60cm	Black	
△ Cutting 16mm 3/8		N052	N040						70cm	Black	
▽ Reverse Cutting 19mm 3/8			N041						75cm	Black	
△ Cutting 24mm 3/8			N042	N031					75cm	Black	
▽ Reverse Cutting 26mm 3/8				N032	N021				75cm	Black	
△ Cutting 28mm 3/8				N033					75cm	Black	
△ Cutting 30mm 3/8					N023				75cm	Black	
△ Cutting 35mm 3/8					N024	N002			75cm	Black	
▽ Reverse Cutting 37mm 3/8						N003			75cm	Black	
△ Cutting 40mm 3/8						N004	N102	N202	75cm	Black	
▽ Reverse Cutting 42mm 3/8							N103		75cm	Black	
○ Round Bodied 10mm 1/2	N063								45cm	Black	
○ Taper Cutting 16mm 1/2			N043						60cm	Black	
○ Round Bodied 24mm 1/2			N044	N036					75cm	Black	
○ Round Bodied 30mm 1/2				N037	N028				75cm	Black	
○ Taper Cutting 35mm 1/2									75cm	Black	
○ Round Bodied 37mm 1/2						N009	N107	N205	75cm	Black	
○ Round Bodied 40mm 1/2						N109	N108	N205	75cm	Black	
WITHOUT NEEDLE			N045	N038	N029	N039	N109	N206	150cm	Black	

POLYESTER

GREEN/BLUE



DESCRIPTION

Polyester is a sterile non-absorbable, braided, synthetic suture composed of Polyethylene terephthalate (polyester). Polyester Sutures are dyed green/blue and coated with Silicon which grants extraordinary smoothness, softness and non-thrombogenic features to the suture.

Polyester Sutures are available from sizes: USP6/0 – USP4.

CHARACTERISTICS

- High tensile strength
- Excellent handling properties
- Minimal tissue reaction
- Easy and secure knotting

INDICATION

Polyester is indicated for use in general surgery. It is suitable for use in soft tissues and for ligation, including cardiovascular surgery, general surgery, ophthalmic surgery, orthopedic surgery, obstetrics and Gastrointestinal surgery.

POLYESTER

GREEN/BLUE

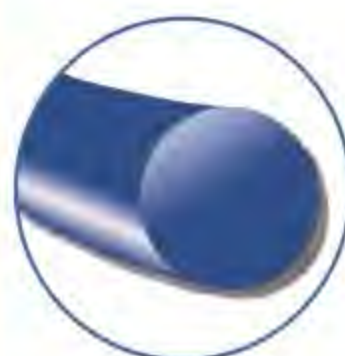
POLYESTER

Braided Coated

Needle Form	Suture Gauge U.S.P								Length	Color	Application
	6-0	5-0	4-0	3-0	2-0	0	1	2			
△ Cutting 9mm 3/8	T061								45cm	Green	General Sur- geries, CV
▽ Reverse Cutting 12mm 3/8									45cm	Green	
△ Cutting 16mm 3/8		T053	T042						70cm	Green	Sur- gery--Valve
▽ Reverse Cutting 19mm 3/8			T043	T031					70cm	Blue	
△ Cutting 24mm 3/8				T032					75cm	Blue	replacement, Orthopedic
▽ Reverse Cutting 26mm 3/8				T033	T021				70cm	Blue	
△ Cutting 28mm 3/8									75cm	Blue	Surger- ies--ACL/P-
△ Cutting 30mm 3/8					T023				75cm	Blue	
△ Cutting 35mm 3/8					T024	T003			75cm	Blue	CL recon- struction, GI
▽ Reverse Cutting 37mm 3/8					T025	T004			75cm	Blue	
△ Cutting 40mm 3/8						T005	T102	T203	75cm	Blue	Surgeries
▽ Reverse Cutting 42mm 3/8							T103	T204	75cm	Blue	
○ Round Bodied 10mm 1/2	T062								45cm	Green	
○ Round Bodied 13mm 1/2	T063	T055							60cm	Green	
⊙ Taper Cutting 16mm 1/2									70cm	Blue	
○ Round Bodied 20mm 1/2			T045	T035					75cm	Blue	
○ Round Bodied 24mm 1/2				T036	T026				75cm	Blue	
⊙ Taper Cutting 26mm 1/2									75cm	Blue	
○ Round Bodied 30mm 1/2					T028	T008			75cm	Blue	
○ Round Bodied 35mm 1/2						T009			75cm	Blue	
○ Round Bodied 37mm 1/2									75cm	Blue	
○ Round Bodied 40mm 1/2							A107	T207	75cm	Blue	
○ Round Bodied 45mm 1/2								T208	75cm	Blue	
WITHOUT NEEDLE				T037	T029	T064	T109	T209	150cm	Blue	

POLYPROPYLENE

BIUE



DESCRIPTION

POLYPROPYLENE is a sterile non-absorbable, monofilament, synthetic surgical suture composed of an isotactic crystalline stereoisomer of polypropylene, a synthetic linear polyolefin and polyethylene.

Polypropylene sutures are available from sizes: USP7/0 – USP3.

CHARACTERISTICS

- High tensile strength
- Good handling properties
- Minimal tissue reaction
- Easy and secure knotting

INDICATION

POLYPROPYLENE is indicated for use in general soft tissue closing and/or ligatures, including use in cardiovascular surgery, neurosurgery, ophthalmic surgery, microsurgery, plastic surgery and gastrointestinal surgery.

POLYPROPYLENE

BIUE

POLYPROPYLENE

Monofilament

Needle Form	Suture Gauge U.S.P								Length	Color	Application
	6-0	5-0	4-0	3-0	2-0	0	1	2			
△ Cutting 9mm 3/8	C060								45cm	Blue	Hernia Re- pari(mesh anchoring), General Sur- gery, Ortho- paedic sur- gery, CV sur- geries, Plas- tic surgeries, GI Surgeries
▽ Reverse Cutting 12mm 3/8	C061	C051							45cm	Blue	
△ Cutting 16mm 3/8			C041						60cm	Blue	
▽ Reverse Cutting 19mm 3/8			C042						75cm	Blue	
△ Cutting 24mm 3/8									75cm	Blue	
▽ Reverse Cutting 26mm 3/8				C033	C021				75cm	Blue	
△ Cutting 28mm 3/8				C034					75cm	Blue	
△ Cutting 30mm 3/8					C023				75cm	Blue	
△ Cutting 35mm 3/8					C024	C003			75cm	Blue	
▽ Reverse Cutting 37mm 3/8						C004			75cm	Blue	
△ Cutting 40mm 3/8							C103	C201	75cm	Blue	
▽ Reverse Cutting 42mm 3/8							C104		75cm	Blue	
⊙ Round Bodied 10mm 1/2	C063	C053							45cm	Blue	
⊙ Taper Cutting 16mm 1/2									70cm	Blue	
⊙ Round Bodied 24mm 1/2				C036	C025				75cm	Blue	
⊙ Round Bodied 30mm 1/2				C037	C026				75cm	Blue	
⊙ Round Bodied 35mm 1/2									75cm	Blue	
⊙ Round Bodied 37mm 1/2						C009			75cm	Blue	
⊙ Round Bodied 40mm 1/2						C108	C107	C205	75cm	Blue	
WITHOUT NEEDLE				C038	C027	C028	C108	C206	150cm	Blue	

Needle Forms

Taper Point 	Curved Cutting 	Reverse Cutting 	Taper Cutting 	Spatula
Bakk Point 	Blunt Taper Point 	Diamond Point 		
1/2 Circle 	3/8 Circle 	1/4 Circle 	3/4 Circle 	Straight



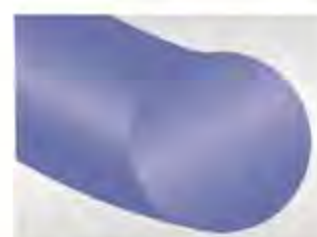
PGA Braided Coated



Chromic/Plain Gut



PDO Monofilament



Polypropylene



Nylon



Polyester Braided Coated



Silk Braided Coated



Stainless Steel

U.S.P SUTURE SIZES CHART

U.S.P Size	Collagen Suture		Synthetic Suture	
	Metric Size	Diameter Range	Metric Size	Diameter Range
#7	-	-	9	0.900-0.999
#6	-	-	8	0.800-0.899
#5	-	-	7	0.700-0.799
#4	8	0.800-0.899	6	0.600-0.699
#3	7	0.700-0.799	6	0.600-0.699
#2	6	0.600-0.699	5	0.500-0.599
#1	5	0.500-0.599	4	0.400-0.499
#0	4	0.400-0.499	3.5	0.350-0.399
#2-0	3.5	0.350-0.399	3	0.300-0.339
#3-0	3	0.300-0.339	2	0.200-0.249
#4-0	2	0.200-0.249	1.5	0.150-0.199
#5-0	1.5	0.150-0.199	1	0.100-0.149
#6-0	1	0.100-0.149	0.7	0.070-0.099
#7-0	0.7	0.070-0.099	0.5	0.050-0.069
#8-0	0.5	0.050-0.069	0.4	0.040-0.049
#9-0	0.4	0.040-0.049	0.3	0.030-0.039
#10-0	-	-	0.2	0.020-0.029

Embedding Threads

Acupoint embedding therapy is an extension of acupuncture.

The embedding threads are absorbable. After being embedded in the skin, they will lift the affected parts immediately. The threads will be reactive with the body protein in 10-14 days after the operation. The beauty effect will last 24 months.

Acupoint embedding is currently widely used in the field of embedding weight loss, freckle, wrinkle and beauty, also can treat more than 30 kinds of clinical stubborn diseases.



Cassette Sutures

For Veterinary Use Only



· SILK · NYLON · CATGUT · PGA · PGLA · PDO



Lifting Threads' Needle Types

SHARP 锐针



Basic type, generally used for linear filling and simple lifting. Beginners can also operate effortlessly.

W-TYPE 全钝针头



Circular head, reducing the damage to the skin tissue. After the injection, the needle can be taken out then correct the position and depth of the needle, which improves the lack of a stitch of the other types.

L-TYPE 半钝针头



L type blunt needle, reduce the damage of blood vessels, bruising and hematoma. The pain was significantly reduced.

U-COG 双针透唇线



Double needling is used for eyebrow lifting and other parts requiring strong lifting. U-COG is a special structure line with strong lifting ability. The local lifting effect is almost as good as the little facelift.

PDO Lifting

MONO SCREW



Needle : Sharp Needle
Parts : Face, Body
Effects : Tightening, Filling, Whitening, Wrinkles Removing

TORNADO SCREW



Needle : Sharp Needle
Parts : Eye, Neck, Crow's feet, Cheek
Effects : Tightening, Filling, Whitening, Wrinkles Removing

COG LIFTING



Needle : W-type Blunt Needle
Parts : Apple Zone, Cheek, Chest
Effects : Face lifting, V Face, Chest lifting

COG LIFTING



Needle : L-type Semi Blunt Needle
Parts : Lifting Eyebrow, Apple Zone, Cheek, Chest
Effects : Face lifting, V Face, Chest lifting

KONK



Needle : Semi Blunt Needle
Parts : Dorsum, Alar, Strut, Tip
Effects : Rhinoplasty, Nose Shaping

MULTI THREADS



Needle : Blunt Needle
Parts : Face, Neck, Crow's Feet, Eye Bag
Effects : Tightening, Filling, Whitening, Wrinkles Removing

Lifting Threads' Recommended Parts

Different sizes, different effect;
Mix Concomitantly to get better effect.



Forehead - Multi Threads / Tornado Screw / Mono Screw

Crow's feet / Eye bags / Eye Corner's Lifting - Multi Threads 23G 38

Apple Zone - Multi Threads / Tornado Screw / Mono Screw

Nasolabial folds / Mouth Corner's Lifting - 23G 60
- Multi Threads / Tornado Screw / Mono Screw

Face Lifting - 18G 100 / 19G 100

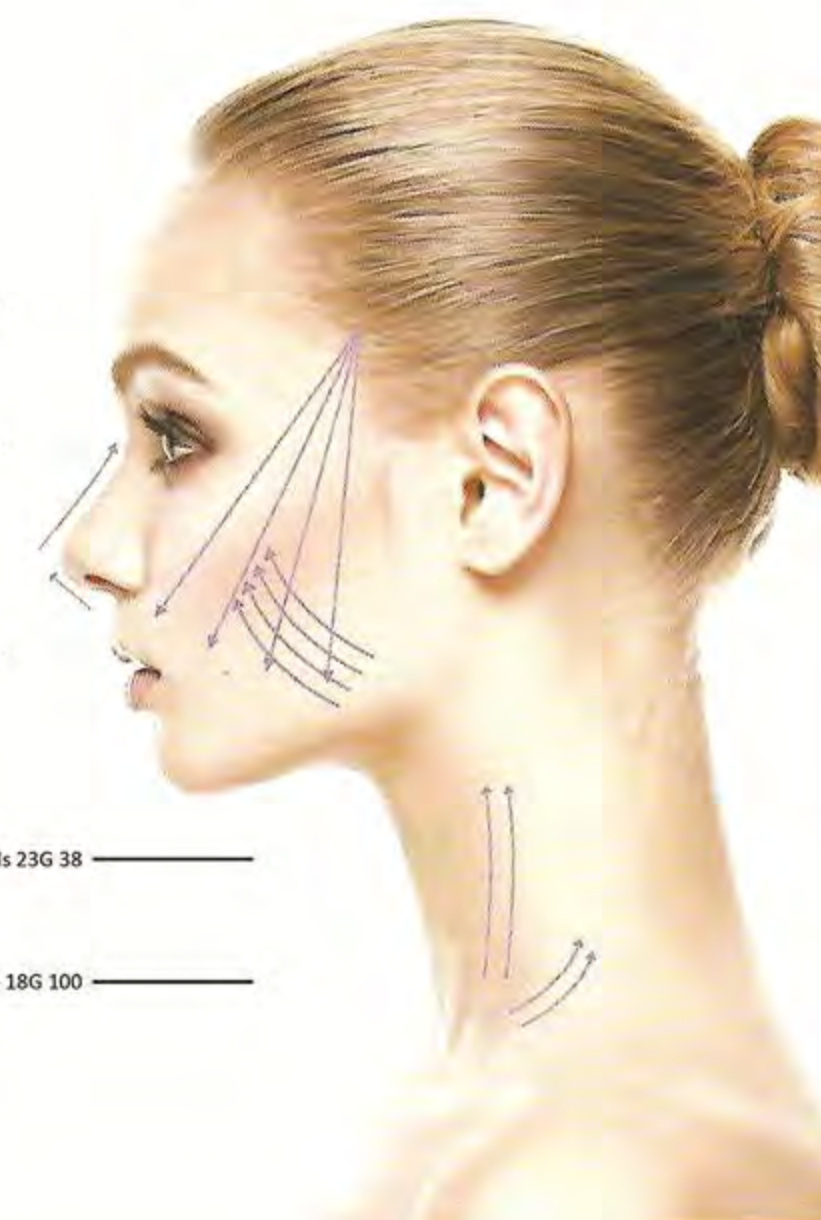
Nose Columella - 19G 38

Nose Dorsum / Nose Bridge - 19G 60

Face - 19G 100

Cervical Stripe - Multi Threads 23G 38

Neck Lifting - 18G 100



ORTHOPEDIC CASTING TAPE



USER INSTRUCTION

- Apply 1~2 layers stockinet over the affected body part;
- Wear surgical gloves;
- Choose proper size orthopedic casting tape, then open the package;
- Immerse the casting tape in normal temperature(21°C~24°C) water for 4~6 seconds and squeeze 2~3 times. Then remove from the water and squeeze out the excess water. The curing time of orthopedic casting tape is directly related to the temperature of water. The curing time is shorter in high temperature water than in low temperature water. If the water temperature is over 27°C, the curing time is too short to increase the difficulty of the operation.
- Wrap the casting tape spirally around the affected body part, overlapping the previous layer by one-half or two-thirds the width of the tape. The tension is moderate. If it is too loose, it will weaken the adhesion of the orthopedic casting tape. If it is too tight, it will affect the blood circulation.
- The intensity of the casting tape is related to the number of overlapped layers. Overlap 3~4 layers for the non-weight bearing parts, while overlap 5~6 layers for the weight bearing parts. If more layers are needed, please ensure the adhesivity between the layers.
- To increase the adhesion between layers, the casting tape will be shaped after wrapped. The operating time should be in 3~5 minutes. The adhesion and shaping effect cannot reach the best if the operating time is longer or the immersed time is too long. The patients do not allow to move freely in 10 minutes before the orthopedic casting tape are completely hardened.
- The electric plaster saw is needed if the affected parts need to open a window or remove the orthopedic casting tape.

ORTHOPEDIC CASTING TAPE

Product Description	Sizes	Specification(WxL)	Packaging	Operating part
Fiberglass Orthopedic Casting Tape	RT002	5.0cm X360cm	10bags/box, 12boxes/ctn	Wrists/Childrens
Fiberglass Orthopedic Casting Tape	RT003	7.5cm X360cm	10bags/box, 12boxes/ctn	arms
Fiberglass Orthopedic Casting Tape	RT004	10.0cm X360cm	10bags/box, 12boxes/ctn	arms/legs
Fiberglass Orthopedic Casting Tape	RT005	12.5cm X360cm	10bags/box, 9boxes/ctn	legs
Fiberglass Orthopedic Casting Tape	RT006	15.0cm X360cm	10bags/box, 9boxes/ctn	legs

POLYMER SPLINT



Wrist Fixation
Recommended sizes:
312 (7.5cmX30cm)
415 (10cmX40cm)



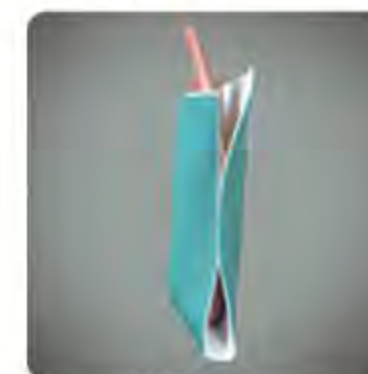
Thumb Fixation
Recommended sizes:
312 (7.5cmX30cm)
415 (10cmX40cm)



The Fourth and Fifth Finger Fixation
Recommended sizes:
312 (7.5cmX30cm)
415 (10cmX40cm)



Elbow Fixation
Recommended sizes:
312 (7.5cmX30cm)
415 (10cmX40cm)



Forearm Fixation
Recommended sizes:
335 (7.5cmX90cm)
430 (10cmX75cm)



Horseshoe Fixation
Recommended sizes:
335 (7.5cmX90cm)
430 (10cmX75cm)



Ankle Fixation
Recommended sizes:
430 (10cmX75cm)
530 (12.5cmX75cm)



Legs Fixation
Recommended sizes:
335 (7.5cmX90cm)
545 (12.5cmX115cm)

POLYMER SPLINT

Product Description	Sizes	Specification(WxL)	Packaging	Operating part
Medical Polymer Splint	312	7.50cmX30cm	20bags/box, 6boxes/ctn	wrists/Childrens
Medical Polymer Splint	335	7.50cmX90cm	10bags/box, 6boxes/ctn	arms/legs
Medical Polymer Splint	415	10.0cmX40cm	15bags/box, 6boxes/ctn	arms/legs
Medical Polymer Splint	430	10.0cmX75cm	10bags/box, 6boxes/ctn	legs
Medical Polymer Splint	530	12.5cmX75cm	10bags/box, 6boxes/ctn	legs
Medical Polymer Splint	545	12.5cmX115cm	5bags/box, 6boxes/ctn	legs
Medical Polymer Splint	630	15.0cmX75cm	10bags/box, 6boxes/ctn	legs
Medical Polymer Splint	645	15.0cmX115cm	5bags/box, 6boxes/ctn	legs

OTHER PRODUCTS



◀ Sterile Disposable Scalpel

Surgical Blade ▶



◀ Cooling Gel Patch



Vacuum Blood Collection Tube ▶



◀ Disposable Syringe



◀ Surgical Needle with Regular Eye

Surgical Needle with Spring Eyes ▶



◀ Elastic Bandage

Plaster ▶



EC Certificate
Directive 93/42/EEC Annex V
Production Quality Assurance
Medical Devices

Registration No.: DD 60106307 0001

Report No.: 15089783 001

Manufacturer: Shanxian Runte Medical
Instruments Co., Ltd.
Nanduan Wenhua Road, Shanxian,
274300 Heze City, Shandong
China

Products:

- Disposable Suture Needles with Non-absorbable Threads
- Sterile Syringe for Single Use
- Sterile Infusion Sets for Single Use
- Disposable Lancets for Blood Specimen Collection

Replaces Approval, Registration No.: DD 60034791 0001

Expiry Date: 2023-11-23

The Notified Body hereby declares that the requirements of Annex V of the directive 93/42/EEC have been met for the listed products. The above named manufacturer has established and applies a quality assurance system, which is subject to periodic surveillance, defined by Annex V, section 4 of the aforementioned directive. For placing on the market of class IIb and class III devices covered by this certificate an EC type-examination certificate according to Annex III is required.

Effective Date: 2018-11-24

Date: 2018-11-24



TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

TÜV Rheinland LGA Products GmbH is a Notified Body according to Directive 93/42/EEC concerning medical devices with the identification number 0197.

Certificate

The Certification Body of
TÜV Rheinland LGA Products GmbH

hereby certifies that the organization

**Shanxian Runte Medical
Instruments Co., Ltd.
Nanduan Wenhua Road, Shanxian,
274300 Heze City, Shandong
China**

has established and applies a quality management system for medical devices
for the following scope:

Manufacture and Distribution of Medical Devices

(see attachment for products included)

Proof has been furnished that the requirements specified in

**EN ISO 13485:2012
EN ISO 13485:2012/AC:2012**

are fulfilled. The quality management system is subject to yearly surveillance.

Effective Date: 2020-11-23

Certificate Registration No.: SX 60106308 0001

• An audit was performed. Report No.: 15089783 001

This Certificate is valid until: 2023-11-22



Date 2020-11-23



TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

Tel.: +49 221 806-1371 Fax: +49 221 806-3935 e-mail: cert.validity@ds.tuv.com <http://www.tuv.com/safety>

TÜV Rheinland
LGA Products GmbH
Tillystraße 2, 90431 Nürnberg

Doc. 1/1, Rev. 0

Attachment to
Registration No.: SX 60106308 0001
Report No.: 15089783 001

Organization: Shanxian Runte Medical
Instruments Co., Ltd.
Nanduan Wenhua Road, Shanxian,
274300 Heze City, Shandong
China

Scope: **Products:**

- Disposable Suture Needles with Non-absorbable Threads
- Sterile Syringe for Single Use
- Sterile Infusion Sets for Single Use
- Disposable Lancets for Blood Specimen Collection
- Absorbable Surgical Sutures with or without Needle

Certification Body



Date: 2020-11-23

K. Ren