

DOĞSAN TIBBİ MALZEME SANAYİ A.Ş.

RİZE CADDESİ 91A ORTAHİSAR - TRABZON - TÜRKİYE

**CERRAHİ İPLİKLER, GEÇİCİ PACE TELLERİ VE EMİLEBİLİR HEMOSTAT
TASARIMI, ÜRETİMİ VE SATIŞI**

kapsamında

EN ISO 13485:2016

Uluslararası Tıbbi Cihazlar Kalite Yönetim Sistemi Standardına uygun bir yönetim sistemi kurmuştur.

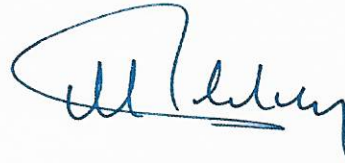
*"Standardın aşağıda verilen maddeleri hariç tutulmuştur"
"7.5.3" "7.5.4"*

Sertifika No : M 11652
İlk Belgelendirme Tarihi : 20 Şubat 2019
Sertifika Tarihi : 05 Ocak 2022
Son Geçerlilik Tarihi : 04 Ocak 2025

Kiwa Belgelendirme Hizmetleri A.Ş.
İTOSB 9. Cadde No: 15 Tepeören Tuzla
İstanbul / Türkiye

Tel: +90 216 593 25 75
Faks: +90 216 593 25 74
info@kiwa.com.tr
www.kiwa.com.tr

Sertifikalar periyodik ara denetimlerin başarılı ile tamamlanması kaydıyla geçerlidir. Detaylı bilgi için yukarıdaki numaralara başvurulabilir.



Genel Müdür



DOĞSAN TIBBİ MALZEME SANAYİ A.Ş.

RİZE CADDESİ 91A ORTAHİSAR - TRABZON - TURKEY

DESIGN, PRODUCTION AND SALES OF SURGICAL SUTURES, TEMPORARY
PACING WIRES AND ABSORBABLE HEMOSTAT

with a scope of

EN ISO 13485:2016

Has established a management system in accordance
with international Medical Devices Quality Management System Standard

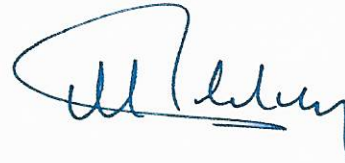
"Following elements of the standard are excluded"

"7.5.3" "7.5.4"

Certificate No	: M 11652
Initial Certification Date	: 20 February 2019
Certification Date	: 05 January 2022
Expiration Date	: 04 January 2025

Kiwa Belgelendirme Hizmetleri A.Ş.
ITOSB 9. Cadde No. 15 Tepeören Tuzla
Istanbul / Turkey

Tel: + 90 216 593 25 75
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www.kiwa.com.tr



General Manager

Certificate is valid till expiration date,
subject to successful completion of
periodical surveillance audits.
Please contact above numbers for
detailed information.



TÜRKAK BDS NO
YS-6478-8BE3

AT Sertifikası

Tam Kalite Güvence Sistemi

Tıbbi Cihaz Yönetmeliği 93/42/AT Ek-II Bölüm 3

Sertifika Numarası: 1984-MDD-21-784

Aşağıda bahsi geçen kuruluşun tam kalite güvence sistemine ait incelemesinin, tıbbi cihazlara dair 93/42/AT yönetmeliği Ek-II (Bölüm 4 muaf tutularak) gereksinimlerine göre yapıldığını beyan ederiz. Tam kalite güvence sisteminin yukarıda bahsi geçen yönetmeliğin ilgili koşullarına uygunluğunu tasdik ederiz.

Kuruluş:

DOĞSAN TIBBİ MALZEME SANAYİ A.Ş.

RİZE CAD. 91A, ORTAHİSAR, TRABZON - TÜRKİYE

Ürünler: PEGELAK, PEGELAK rapid, PEGESORB, PEGESORB rapid, TROFİLEN, DAYLON, İPEK, PROPİLEN, POLİTER, TEKMON, PEDESENTE, TEKTEL, DOPACE, KANSTAT, DAXTON, ONTREX, xnat pedesente, xnat®tekmon

Sertifika son kullanma tarihine kadar geçerli olup periyodik gözetim denetimlerinin başarı ile tamamlanmasına tabidir. Detaylar için lütfen Kiwa Belgelendirme Hizmetleri'ne başvurunuz.

Bu sertifika kapsamında olan sınıf III ürünler için ayrıca Tıbbi Cihaz Yönetmeliği Tam Kalite Güvence Sistemi 93/42/AT Ek-II Bölüm 4 sertifikası da zorunludur.

Rapor No: M.6104.01

Son Geçerlilik Tarihi: 27 Mayıs 2024



Muhteşem Gökhan Yücel
Onaylanmış Kuruluş Başkanı

17 Mayıs 2021, İstanbul, Türkiye

AT Sertifikası Eki:

Tam Kalite Güvence Sistemi

Tıbbi Cihaz Yönetmeliği 93/42/AT Ek-II Bölüm 3

Sertifika No: 1984-MDD-21-784

İlgili tıbbi cihazlar;

Ürün: PEGELAK®

Poli(glikolid-ko-laktid) Emilebilir, Örgülü Cerrahi İplik

Tipleri: İğneli veya iğnesiz, Mor veya boyasız, kaplanmış

Ürün: PEGELAK® rapid

Poli(glikolid-ko-laktid) Emilebilir, Örgülü Cerrahi İplik

Tipleri: İğneli veya iğnesiz, boyasız, kaplanmış

Ürün: PEGESORB®

Poliglikolik Asit Emilebilir, Örgülü Cerrahi İplik

Tipleri: İğneli veya iğnesiz, mor veya boyasız, kaplanmış

Ürün: PEGESORB rapid®

Poli(glikolid-ko-laktid) Emilebilir, Örgülü Cerrahi İplik

Tipleri: İğneli veya iğnesiz, boyasız, kaplanmış

Ürün: TROFİLEN®

Poliviniliden florür Emilmeyen, Monofilaman Cerrahi İplik

Tipleri: İğneli (tek veya çift) veya iğnesiz

Ürün: DAYLON®

Poliamid Emilmeyen, Monofilaman Cerrahi İplik

Tipleri: İğneli (Tek veya çift)

Ürün: İPEK®

İpek Absorbe Olmayan, Örgülü, Kaplanmış Cerrahi İplik

Tipleri: İğneli (tek veya çift) veya iğnesiz

17 Mayıs 2021, İstanbul, Türkiye



Muhteşem Gökhan Yücel
Onaylanmış Kuruluş Başkanı

AT Sertifikası Eki:

Tam Kalite Güvence Sistemi

Tıbbi Cihaz Yönetmeliği 93/42/AT Ek-II Bölüm 3

Sertifika No: 1984-MDD-21-784

İlgili tıbbi cihazlar;

Ürün: PROPİLEN®

Polipropilen Emilmeyen, Monofilaman Cerrahi İplik

Tipleri: PTFE Pledget içeren ve içermeyen, İğneli (tek veya çift) veya iğnesiz

Ürün: POLİTER®

Poliester Absorbe olmayan, Örgülü, Kaplanmış Cerrahi İplik

Tipleri: PTFE Pledget içeren ve içermeyen, İğneli (tek veya çift) veya iğnesiz

Ürün: TEKMON®

Poli(glikolid-ko-kaprolakton) Emilebilir, Monofilaman Cerrahi İplik

Tipleri: Mor veya boyasız, İğneli (tek veya çift) veya iğnesiz

Ürün: PEDESENTE®

Emilebilir, Monofilaman Cerrahi İplik(Polidioksanon)

Tipleri: Mor veya boyasız, İğneli (tek veya çift) veya iğnesiz

Ürün: TEKTEL®

Cerrahi Paslanmaz Çelik Tel Sütür

Tipleri: Sabit veya döner başlıklı iğneli, Doğal-Metallik,Kaplanmamış/izolasyonsuz,

Ürün: DOPACE®

Geçici Pace Teli

Tipleri: Bükülü 316L paslanmaz çelik, izolasyonlu Çift iğneli, çapalı veya çapasız

Ürün: KANSTAT®

Emilebilir Hemostat (Okside Edilmiş Rejenere Selüloz)

Tipleri: KANSTAT® Orj

KANSTAT® Fabric

KANSTAT® Felt

KANSTAT® Fibril



Muhteşem Gökhan Yücel
Onaylanmış Kuruluş Başkanı

17 Mayıs 2021, İstanbul, Türkiye

Kiwa Belgelendirme Hizmetleri A.Ş.

İTOSB 9. Cad. No:15 Tepeören, Tuzla, İstanbul, Türkiye

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Web: www.kiwa.com.tr , e-posta: posta@kiwa.com.tr

AT Sertifikası Eki:

Tam Kalite Güvence Sistemi

Tıbbi Cihaz Yönetmeliği 93/42/AT Ek-II Bölüm 3

Sertifika No: 1984-MDD-21-784

İlgili tıbbi cihazlar;

Ürün: DAXTON®

DAXTON® - D PTFE ve DAXTON® - K ePTFE

Emilmeyen, Monofilaman Cerrahi İplik

Tipleri: İğneli (tek veya çift) veya iğnesiz,

Ürün: ONTRES®

Polietilen Emilmeyen Multifilamen Cerrahi İplik ve Bant

Tipleri: İğneli (tek veya çift) veya iğnesiz

Ürün: xnat®pedesente

Düğümsüz Doku Kontrol Cihazı, Polidioksanon Emilebilir Monofilamen Çentikli İplik

Tipleri: tek yönlü veya çift yönlü, spiral veya spiral olmayan çentik tipli, ucu sabitleme çapalı veya ilmekli, iğneli veya iğnesiz, boyalı veya boyasız

Ürün: xnat®tekmon

Düğümsüz Doku Kontrol Cihazı, Poli(glikolid-ko-kaprolakton) Emilebilir

Monofilamen Çentikli İplik

Tipleri: tek yönlü veya çift yönlü, spiral veya spiral olmayan çentik tipli, ucu sabitleme çapalı veya ilmekli, iğneli veya iğnesiz, boyalı veya boyasız

Kiwa Belgelendirme Hizmetleri A.Ş. Tıbbi Cihaz Yönetmeliği 93/42/AT altında bir onaylanmış kuruluş olup kimlik numarası 1984'tür.



Muhteşem Gökhan Yücel
Onaylanmış Kuruluş Başkanı

17 Mayıs 2021, İstanbul, Türkiye

EC Certificate

Full Quality Assurance System according to Medical Devices Directive 93/42/EEC Annex-II Section 3

Certificate Number: 1984-MDD-21-784

We hereby declare that an examination of the under mentioned full quality assurance system has been carried out following the requirements of the national legislation to which the undersigned is subjected, transposing annex II (with the exemption of section 4) of the Directive 93/42/EEC on medical devices. We certify that the full quality assurance system conforms with the relevant provisions of the aforementioned directive.

Organization:

DOĞSAN TIBBİ MALZEME SANAYİ A.Ş.

RİZE CAD. 91A, ORTAHİSAR, TRABZON - TURKEY

Products: PEGELAK, PEGELAK rapid, PEGESORB, PEGESORB rapid, TROFİLEN, DAYLON, İPEK, PROPİLEN, POLİTER, TEKMON, PEDESENTE, TEKTEL, DOPACE, KANSTAT, DAXTON, ONTREX, xnat pedesente, xnat®tekmon

The certificate is valid till expiration date, subject to successful completion of periodical surveillance audits. Please contact Kiwa for details.

Design Examination according to Medical Devices Directive 93/42/EEC Annex-II Section 4 certificate is also mandatory for class III devices covered by this certificate.

Report Number: M.6104.01

Expiry Date: 27 May 2024



Muhteşem Gökhan Yücel
Head of Notified Body

17 May 2021, Istanbul, Turkey

**Enclosure of the EC Certificate:
Full Quality Assurance System according to
Medical Devices Directive 93/42/EEC Annex-II Section 3
Certificate Number: 1984-MDD-21-784**

Concerned medical devices;

Product: PEGELAK®

Poly(glycolide-co-lactide) Absorbable Braided Surgical Suture

Types: With or without Needles, Violet or Undyed, Coated

Product: PEGELAK®rapid

Poly(glycolide-co-lactide) Absorbable Braided Surgical Suture

Types: With or Without Needles, Undyed, Coated

Product: PEGESORB®

Polyglycolic Acid Absorbable Braided Surgical Suture

Types: With or Without Needles, Violet or Undyed, Coated

Product: PEGESORB®rapid

Polyglycolic Acid Absorbable Braided Surgical Suture

Types: With or Without Needles, Undyed, Coated

Product: DAYLON®

Polyamide Non-Absorbable Monofilament Surgical Suture

Types: with single/double needle(s)

Product: TROFİLEN®

Polyvinylidene Fluoride Non-Absorbable Monofilament Surgical Suture

Types: with single/double or without needle(s)

Product: İPEK®

Silk Non-Absorbable Braided Surgical Suture

Types: With single/double or without needle(s)

A handwritten signature in black ink, appearing to read "Muhteşem Gökhan Yücel".

Muhteşem Gökhan Yücel
Head of Notified Body

17 May 2021, Istanbul, Turkey

Enclosure of the EC Certificate:
Full Quality Assurance System according to
Medical Devices Directive 93/42/EEC Annex-II Section 3
Certificate Number: 1984-MDD-21-784

Concerned medical devices;

Product: PROPİLEN®

Polypropylene Non-Absorbable Monofilament Surgical Suture

Types: With or without needle(s), with or without PTFE Pledgets

Product: POLİTER®

Polyester Non-Absorbable Braided Surgical Suture

Types: With single/double or without needle(s), with or without PTFE Pledgets

Product: TEKMON®

absorbable monofilament surgical suture Poly(glycolide-co-caprolactone)

Types: Undyed or violet, with single/double or without needle(s)

Product: PEDESENTE®

absorbable monofilament surgical suture (Polydioxanone)

Types: Undyed or violet, with single/double or without needle(s)

Product: TEKTEL®

Surgical Stainless Steel Wire

Types: With fixed or Rotating Needle, Natural-Metallic, Noncoated/Nonsheathed

Product: DOPACE®

Temporary Pacing Wire

Types: Twisted 316L stainless steel, insulated, with double needle, with or without anchor

Product: KANSTAT®

Absorbable Hemostat (Oxidized Regenerated Cellulose)

Types: KANSTAT® ORJ

KANSTAT® FABRIC

KANSTAT® FELT

KANSTAT® FIBRIL



Muhteşem Gökhan Yücel
Head of Notified Body

17 May 2021, Istanbul, Turkey

**Enclosure of the EC Certificate:
Full Quality Assurance System according to
Medical Devices Directive 93/42/EEC Annex-II Section 3
Certificate Number: 1984-MDD-21-784**

Concerned medical devices;

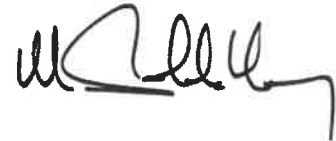
Product: DAXTON®
DAXTON®- D (PTFE) and DAXTON®- K (ePTFE)
Non-Absorbable, monofilament surgical suture
Types: with single/double or without needle(s)

Product: ONTRES®
Polyethylene Non-absorbable Multifilament Surgical Suture and Tape
Types: With needles (single or double) or without needles

Product: xnat®pedesente
Knotless Tissue Control Device, Polydioxanone Absorbable Monofilament Barbed Suture
Types: uni-directional or bi-directional, spiral or non-spiral barbed type, with a fixation tab or end-loop design, in a variety of lengths, with or without needles, violet or undyed

Product: xnat®tekmon
Knotless Tissue Control Device, Poly (glycolide-co-caprolactone) Absorbable Monofilament Barbed Suture
Types: uni-directional or bi-directional, spiral or non-spiral barbed type, with a fixation tab or end-loop design, in a variety of lengths, with or without needles, violet or undyed

Kiwa Belgelendirme Hizmetleri A.Ş. is Notified Body under Council Directive 93/42/EEC concerning medical devices with identification number: 1984



Muhteşem Gökhan Yücel
Head of Notified Body

17 May 2021, Istanbul, Turkey



DOĞSAN

SURGICAL SUTURES

Product Guide



Surgical Sutures



Surgical Sutures



● Continuous Improvement

The main goal of Doğsan is increasing customer satisfaction through continuous improvements.

● Teamwork

Doğsan employs highly experienced and skilled personnel and believes in working as a team to accomplish its goals.

your reliable partner



● Experience

Established in 1970, Doğsan has a long tradition in suture manufacturing and is the first sterile surgical suture manufacturer in her region.

Doğsan is a well respected brand name in her region for quality and is now offering its quality products to global markets.

● Sutures to meet every surgeons needs

Doğsan has a comprehensive range of absorbable and non-absorbable sutures. Manufacturing sutures ranging from USP 12/0 to USP 8, Doğsan offers an extensive variety of products for all branches of surgery including, cardiovascular surgery, microsurgery and ophthalmology.

● Customer Focus

Doğsan is committed to understand and meet the needs of her customers: Surgeons, Nurses and Distributors.

As the requirements of modern surgery change, Doğsan uses its experience and customer focus to customize its technology and product range to meet the most demanding surgeons and nurses.

● Commitment to Global Quality Standards

We are committed to global quality principles. Our main goal is to increase customer satisfaction and continuously improve our quality by working as a team.

cGMP (Good Manufacturing Practices)

EP (European Pharmacopoeia)

USP (United States Pharmacopoeia)

ISO 9001:2000

ISO 13485:2003

93/42/EEC Medical Devices Directive, 

your reliable partner

Product Index

absorbable





non-absorbable



microsurgery and
ophthalmology

How To Use This Product Guide

needle information	needle diameter	colour	suture length	0.7	1	1.5
				6/0	5/0	4/0
13 mm						
3/8 round bodied		330 μ	undyed	45 cm	J131	
		330 μ	violet	45 cm	L131	
		330 μ	violet	60 cm		L231
		430 μ	violet	60 cm		L331
3/8 PL		380 μ	violet	45 cm	L139	
		430 μ	violet	45 cm		L239

Needle description -
Needle type and the
description of the
needle

Needle
profile

Needle
diameter

Colour of
suture strand

Length of the
suture (cm)

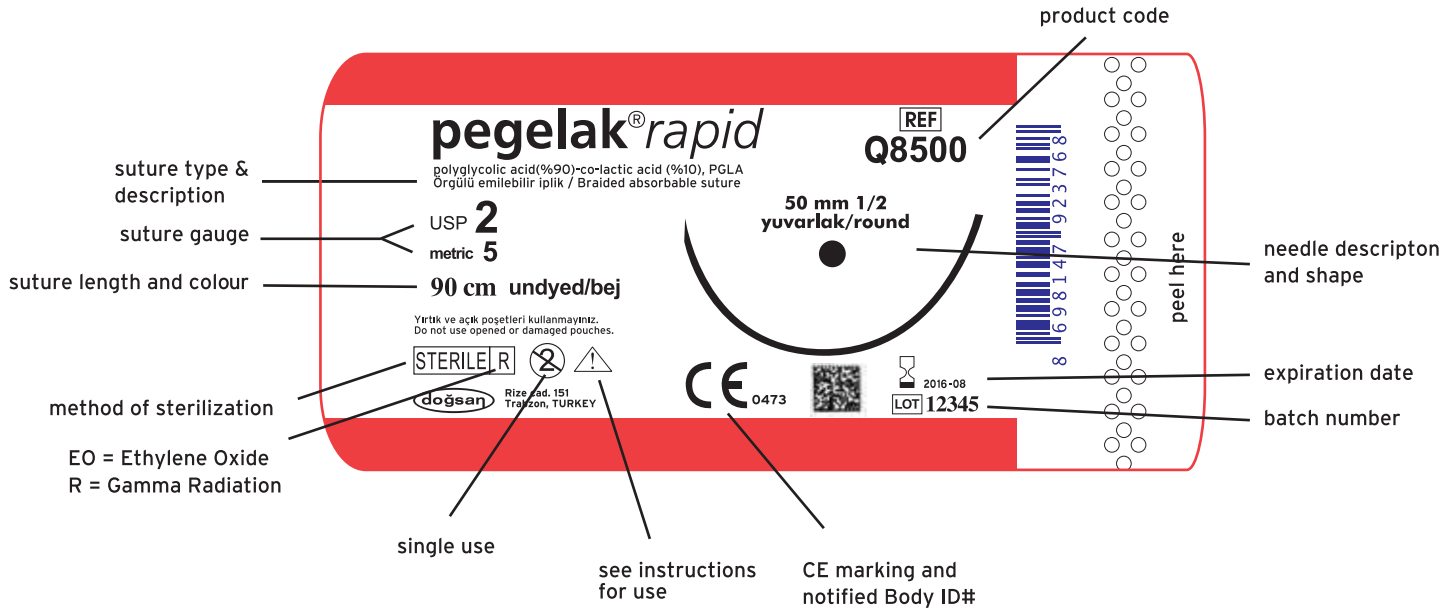
Size Grid -
Indicates the USP size
(below) and metric size
(top) for each product
listed.

Needle length

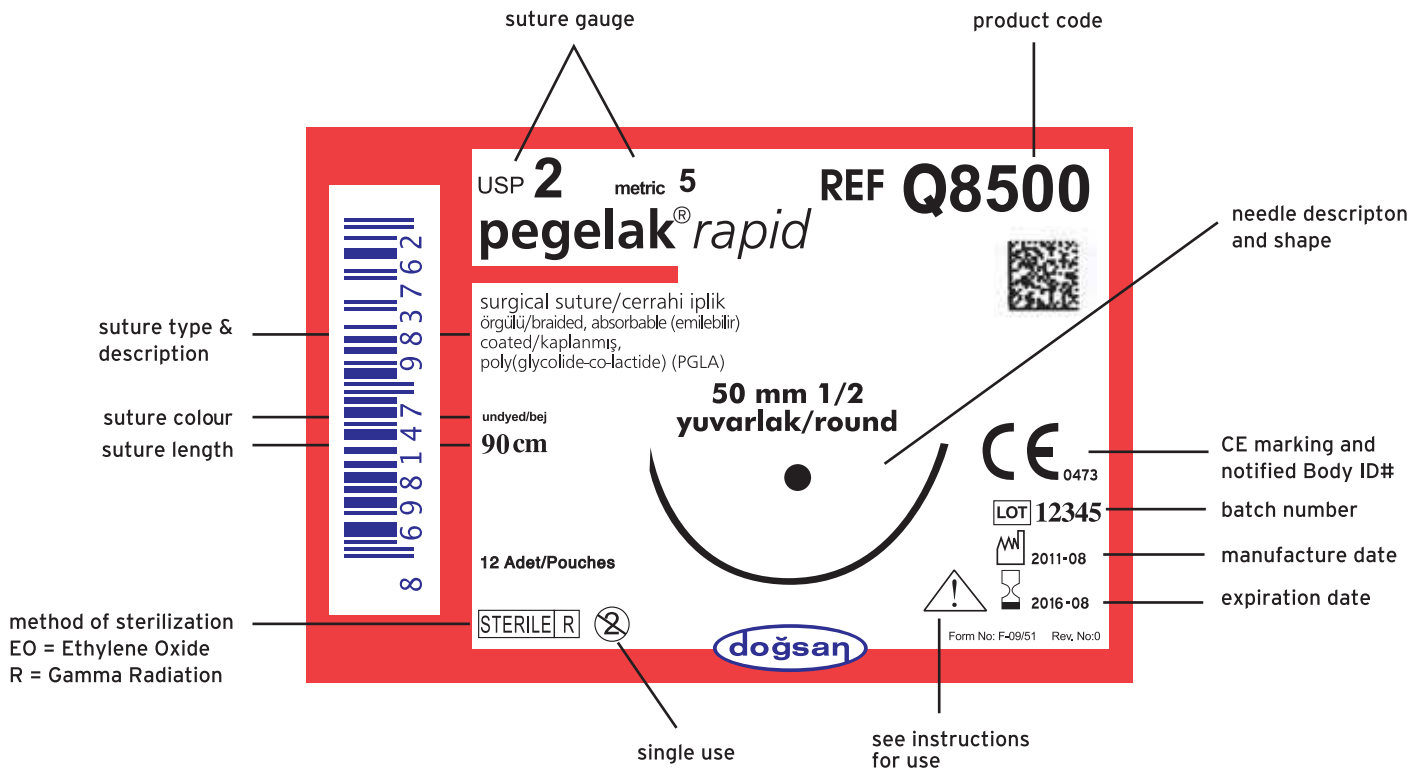
Product Code

Explanation of Labelling

Product Label



Dozen Box Label



EP/USP Tensile Strength Table (minimum values)

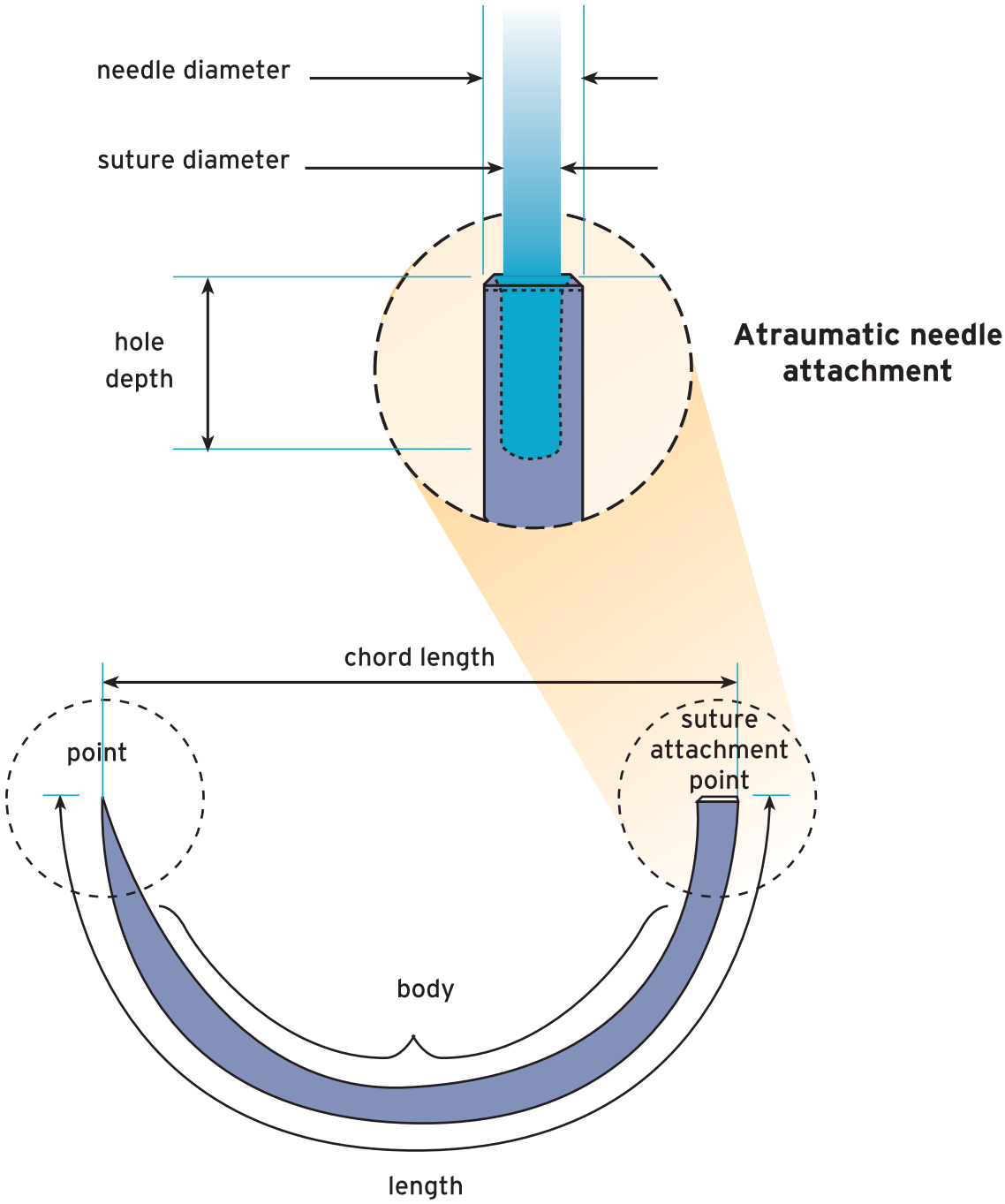
		NON-ABSORBABLE					SYNTHETIC ABSORBABLE			
		DIAMETER	TENSILE STRENGTH		STEEL WIRE		DIAMETER		TENSILE STRENGTH	
		(mm)	(kgf)		(kgf)		MONOFILAMENT	MULTIFILAMENT	(kgf)	
USP	metric	min-max	min	avarage	min	avarage	min-max (mm)	min-max (mm)	min	avarage
11/0	0.1	0.010 - 0.019	-	0.003			-	-	-	
10/0	0.2	0.020 - 0.029	-	0.010			-	-	-	
9/0	0.3	0.030 - 0.039	0.006	0.035			-	-	0.023	0.045
8/0	0.4	0.040 - 0.049	0.015	0.060			-	0.040 - 0.049	0.035	0.070
7/0	0.5	0.050 - 0.069	0.030	0.102			0.050 - 0.094	0.050 - 0.069	0.070	0.140
6/0	0.7	0.070 - 0.099	0.060	0.150			0.095 - 0.149	0.070 - 0.099	0.130	0.250
5/0	1	0.100 - 0.149	0.102	0.310			0.150 - 0.199	0.100 - 0.149	0.340	0.680
4/0	1.5	0.150 - 0.199	0.150	0.510			0.200 - 0.249	0.150 - 0.199	0.470	0.950
3/0	2	0.200 - 0.249	0.310	0.920			0.250 - 0.339	0.200 - 0.249	0.890	1.750
2/0	3	0.300 - 0.349	0.920	1.530			0.340 - 0.399	0.300 - 0.349	1.340	2.680
0	3.5	0.350 - 0.399	1.330	2.240			0.400 - 0.499	0.350 - 0.399	1.850	3.900
1	4	0.400 - 0.499	1.530	2.750			0.500 - 0.570	0.400 - 0.499	2.540	5.080
2	5	0.500 - 0.599	2.240	3.570	4.420	5.900	0.571 - 0.610	0.500 - 0.599	3.180	6.350
3 & 4	6	0.600 - 0.699	2.750	5.100	6.830	9.110	-	-	-	-
5	7	0.700 - 0.799	3.570	6.320	8.550	11.400	-	-	-	-
6	8	0.800 - 0.899	5.100	7.450	10.200	13.600	-	-	-	-
7	9	0.900 - 0.999	-	-	11.930	15.980	-	-	-	-
8	10	1.000 - 1.099	-	-	13.650	18.200	-	-	-	-

Adopted from EP and USP



Needles

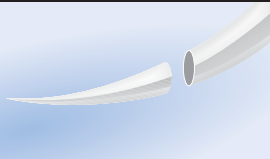

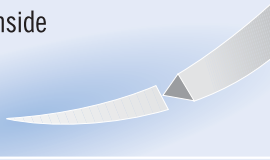

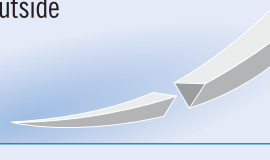

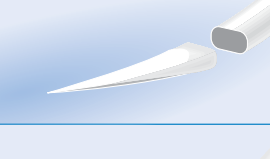

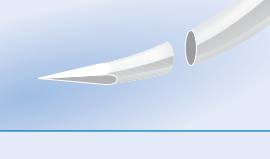

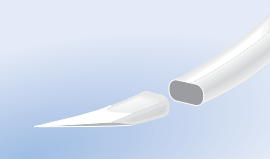

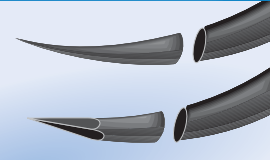


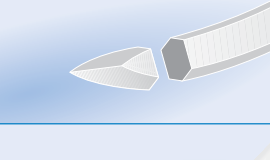

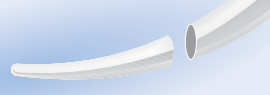

Structure of Atraumatic Needles



Needle Types According to Curvature

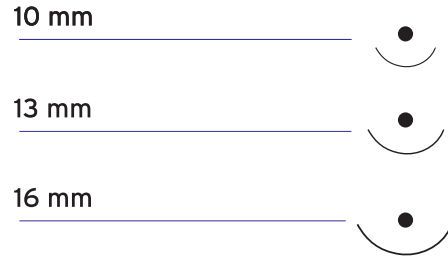
- straight
- 1/4 circle
- 3/8 circle
- 1/2 circle
- 5/8 circle

Atraumatic Surgical Needles

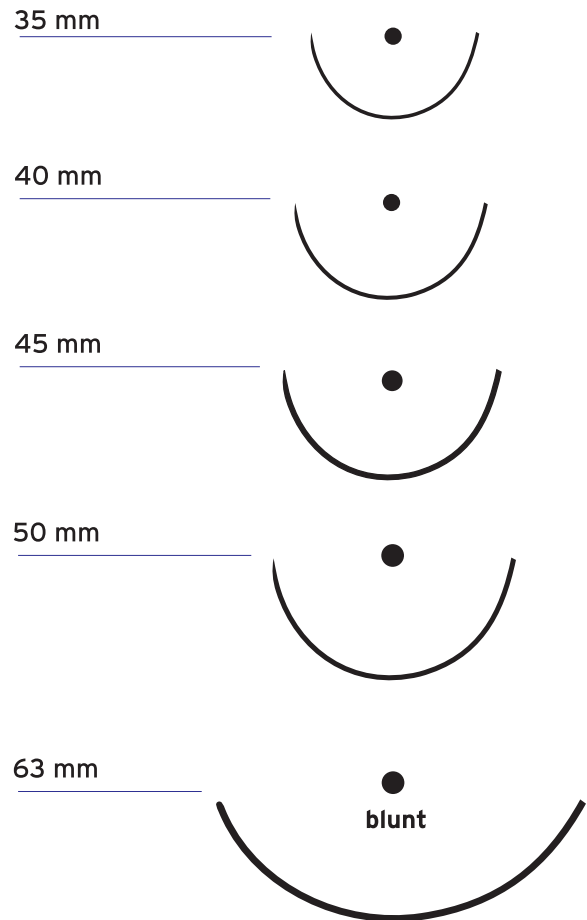
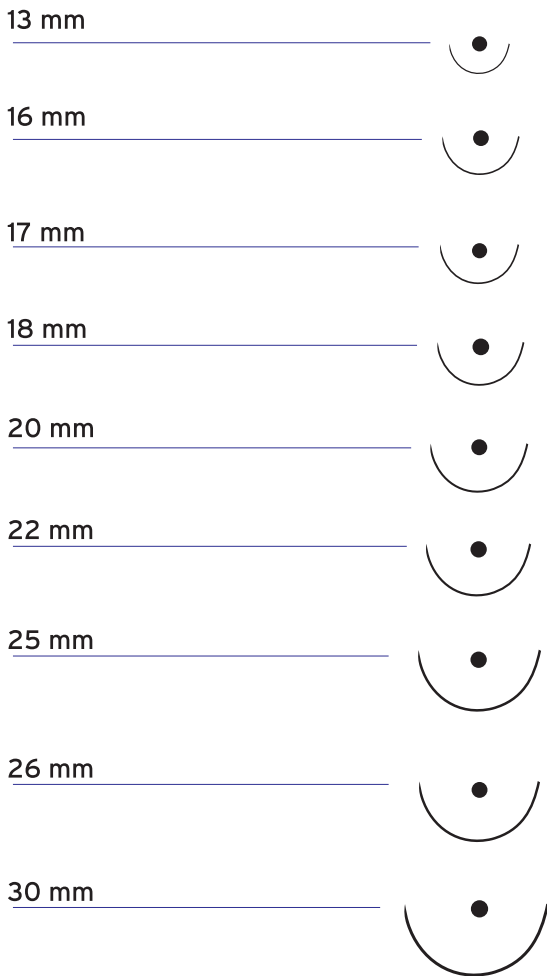
name	tip	body	symbol	description
round bodied			●	<ul style="list-style-type: none"> The most popular and classic needle type. Use in all soft tissue approximation including cardiovascular surgery.
cutting	inside 		▲	<ul style="list-style-type: none"> Edges are specially sharpened for an easy and smooth penetration. Cutting edge is inside the needle. Used in skin closures and in all applications requiring cutting needles.
	outside 		▼	<ul style="list-style-type: none"> Edges are specially sharpened for an easy and smooth penetration. Cutting edge is outside the needle. Widely used in skin closures and especially in plastic surgery.
PL			▼	<ul style="list-style-type: none"> Special geometry for easy penetration and high resistance to bending with a slim body. Widely used in plastic and cosmetic surgery and skin closures.
KD			Ⓨ	<ul style="list-style-type: none"> Specially designed for cardiovascular surgery for calcified vessels and tough fibrous tissues. The body is pressed to square shape to increase resistance to bending. Tip is specially sharpened for superior penetration.
diamond (taper cut)			◆	<ul style="list-style-type: none"> For better penetration and less tissue trauma, tip of the needle is sharpened. Widely used in cardiovascular/thoracic, orthopedic, obstetrics/gynecologic surgery and repairs of tendons and fibrous tissues.
black			●	<ul style="list-style-type: none"> Used where better visibility and prevention of reflection of the needle is required (eg when blood concentration is high) . Darkening of the metal is made by surface oxidation technique. Widely used in cardiovascular surgery.
			Ⓨ	
spatulated			▼	<ul style="list-style-type: none"> Both side edges and upper surface are cutting while the body is flattened. Widely used in ophthalmic surgery.
blunt point			●	<ul style="list-style-type: none"> The tip of the needle sharpness of round bodied is reduced. Uses include repair of liver and sensitive friable tissues.

Round Bodied (taper) Needles

3/8



1/2

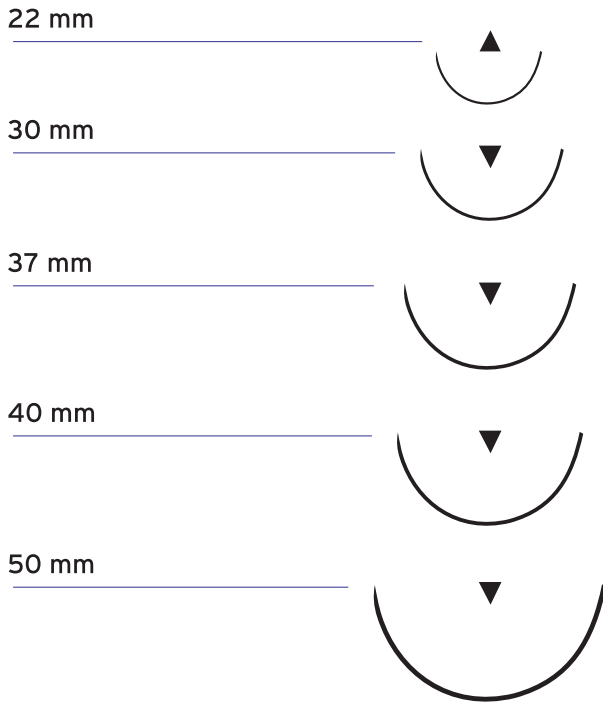


5/8

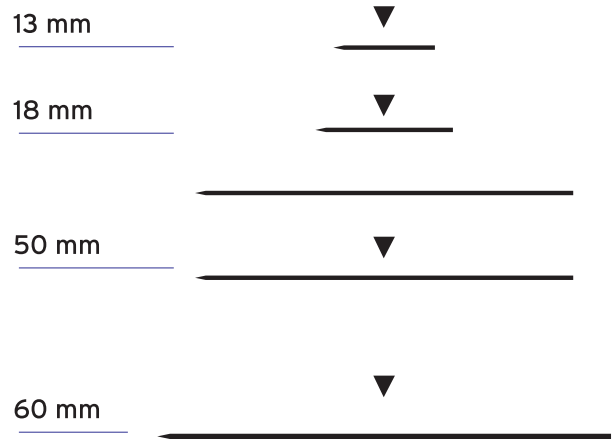


Cutting Needles

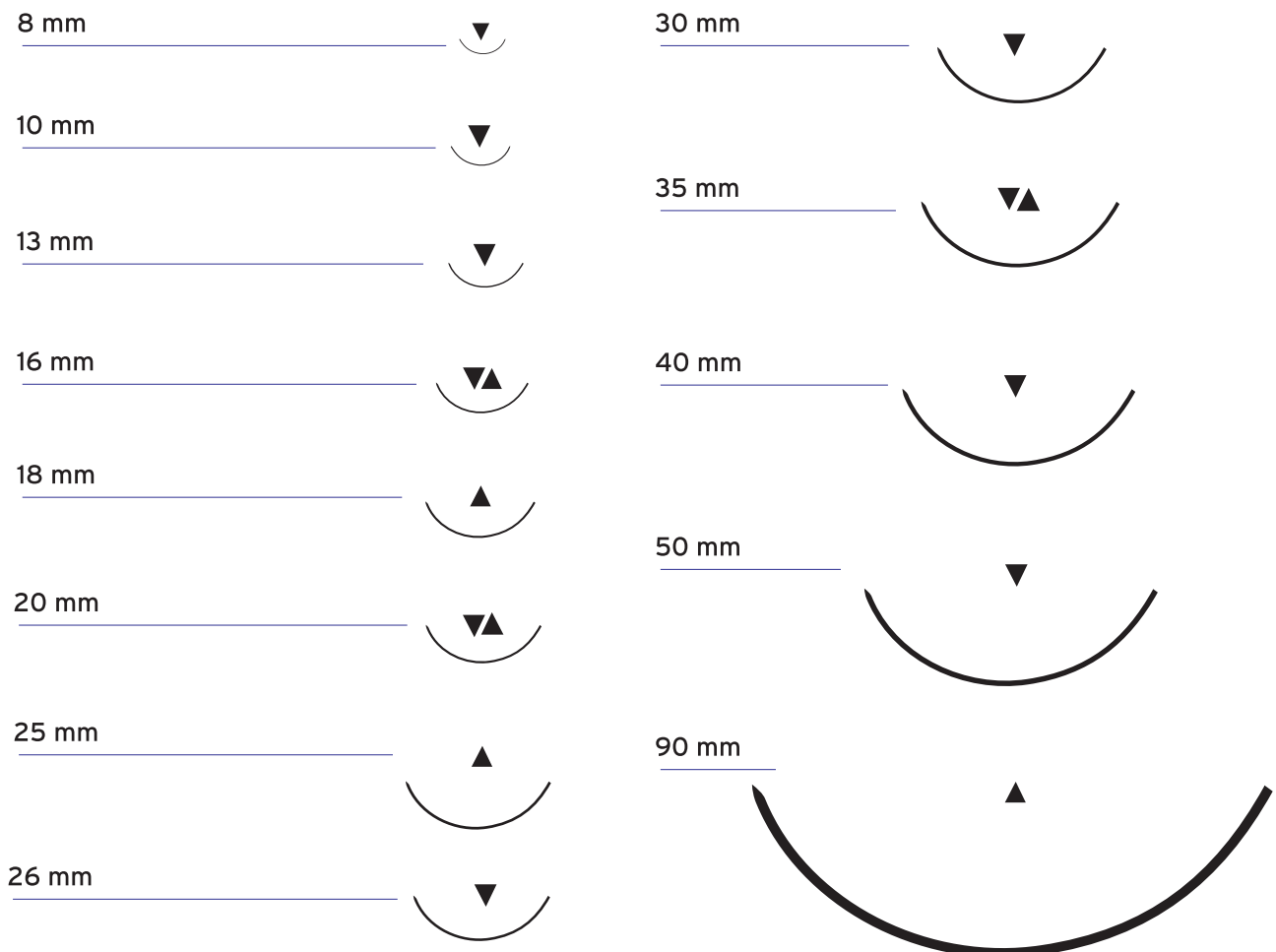
1/2



Straight



3/8



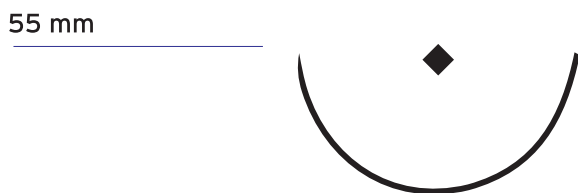
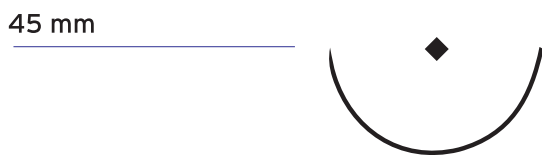
Special Needles

Diamond (taper cut)

3/8



1/2



KD

3/8



1/2



Special Needles

Black

3/8

8 mm 
black

10 mm 
black

10 mm 
black

13 mm 
black

1/2

16 mm 
black

20 mm 
black

25 mm 
black

Spatulated Needles

3/8

6 mm 

1/4

8 mm 

PL Needles

13 mm 

16 mm 

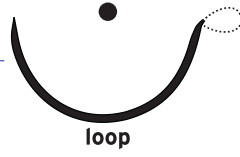
19 mm 

25 mm 

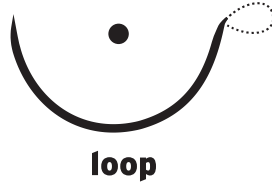
Special Needles

Loop

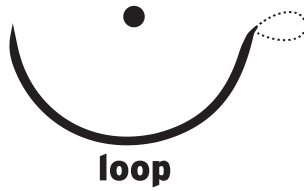
40 mm



45 mm



50 mm

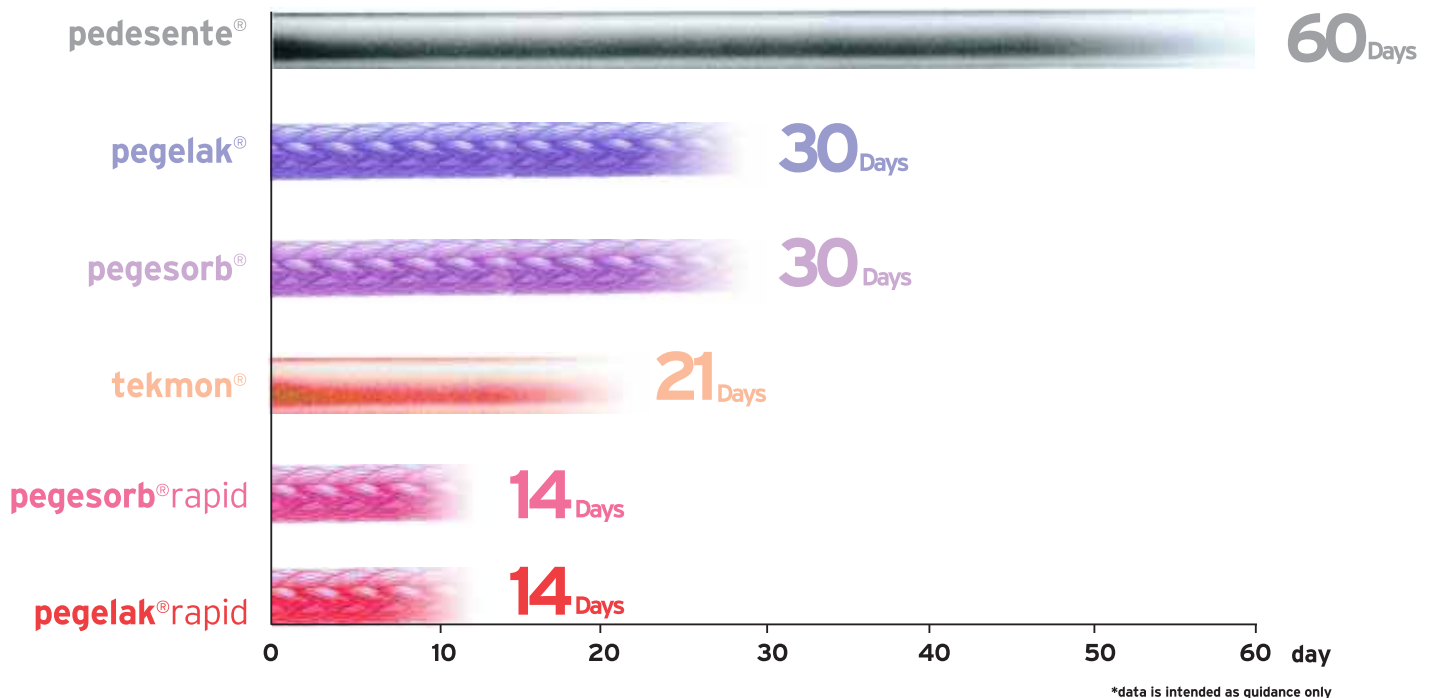




Absorbable Sutures

Absorbable Sutures

Wound Support*



Absorbable Sutures For All Your Needs



pegelak®

USP **3/0** metric 2 REF **L4255**
pegelak

surgical suture/cerrahi iplik
örgü/braded, absorbable (emilebilir)
coated/kaplanmış,
poly(glycolide-co-lactide) (PGLA)

violet/mor
45 cm

25 mm 3/8
keskin/cutting



CE 0473

LOT 12345

201-10

2016-10







STERILE

Doğan




Form No: F-09/50 Rev. No:0






- Description:** Absorbable, synthetic, braided, coated suture for medium term wound support with well proven record and composition
- Characteristics:** Excellent handling properties
Excellent knot security and tie-down
Very high tensile strength
- Medium term wound support (~ 30 days)
- Tensile strength:** Very high (much above USP requirements)
~ 75% after 2 weeks
~ 50 % after 3 weeks
~ 0 % after 4-5 weeks
- Absorption:** Essentially complete in 56-70 days
- Material :** polyglycolic acid (%90)-co-L-lactid acid (%10), PGLA
[Copolymer of glycolide and L-lactide (90:10)]
- Coating:** poly(glycolide-co-L-lactide) and calcium stearate
- Structure:** Braided (multifilament)
- Colour :** Violet /undyed (beige)
- Sterilization:** EO
- Packaging:** Available in USP 7/0 (metric 0.5) through USP 2 (metric 5) in boxes of 12 (one dozen) aluminium pouches.


needle information	needle diameter	colour	suture length	0.5	0.7	1	1.5	
				7/0	6/0	5/0	4/0	
8 mm								
1/4 spatulated, double		280 μ	violet	45 cm		L1882		
		330 μ	violet	45 cm			L2882	
10 mm								
3/8 cutting		280 μ	violet	45 cm	L0042			
3/8 cutting, double		330 μ	violet	45 cm		L103		
13 mm								
3/8 round bodied		330 μ	undyed	45 cm		J131		
		330 μ	violet	45 cm		L131		
		330 μ	violet	60 cm			L231	
		330 μ	undyed	60 cm			J231	
		380 μ	violet	60 cm				L331
3/8 PL		330 μ	violet	45 cm		L139	L239	
straight diamond		430 μ	violet	75 cm			L338	




needle information	colour	suture length	1	1.5	2	3	3.5
			5/0	4/0	3/0	2/0	0











16 mm							
1/2 round bodied		violet	75 cm	L2160	L3160	L4160	
3/8 cutting		violet	75 cm	L2165	L3165	L4165	
		undyed	75 cm	J2165			
3/8 PL		violet	45 cm	L2169	L3169		
		undyed	75 cm	J2169			

18 mm							
1/2 round bodied		violet	75 cm		L3180	L4180	
straight diamond		violet	75 cm		L3188		


19 mm							
3/8 PL		violet	45 cm	L2199	L3199	L4199	
		undyed	45 cm	J2199	J3199	J4199	


20 mm							
1/2 round bodied		violet	75 cm		L3200	L4200	
3/8 cutting		violet	45 cm		L3203	L4203	
		violet	75 cm		L3213		


25 mm							
1/2 round bodied		violet	75 cm		L3250	L4250	L5250
		violet	90 cm			L4260	L5240
3/8 cutting		violet	45 cm		L3255	L4255	L5255
3/8 PL		violet	45 cm		L3259	L4259	


needle information	colour	suture length	2	3	3.5	4	5	
			3/0	2/0	0	1	2	
26 mm								
3/8 cutting		violet	75 cm	L4263	L5263			
		undyed	75 cm	J4263	J5263			
30 mm								
1/2 round bodied		violet	75 cm	L4300	L5300	L6300	L7300	
		violet	90 cm		L5310	L6310	L7310	
3/8 cutting		violet	75 cm	L4303	L5303	L6303		
		undyed	75 cm	J4303	J5303	J6303		
35 mm								
1/2 round bodied		violet	75 cm		L5350	L6350	L7350	
		violet	90 cm				L7360	
3/8 cutting		violet	75 cm	L4353	L5353			
1/2 diamond		violet	90 cm		L5356	L6356		
36 mm								
5/8 round bodied		violet	75 cm			L6368		
40 mm								
1/2 round bodied		violet	75 cm		L5400	L6400	L7400	L8400
		violet	90 cm			L6410	L7410	
1/2 cutting		violet	90 cm			L6414	L7414	
1/2 diamond		violet	90 cm			L6406	L7406	

needle information	colour	suture length	1.5	2	3	3.5	4	5
			4/0	3/0	2/0	0	1	2

45 mm									
1/2 round bodied		violet	75 cm					L7450	L8450
		violet	90 cm					L7460	

50 mm									
1/2 round bodied		violet	75 cm			L5500	L6500	L7500	L8500
		violet	90 cm				L6510	L7510	L8510

60 mm									
straight cutting		violet	75 cm	L3608	L4608				
		undyed	75 cm	J3608					

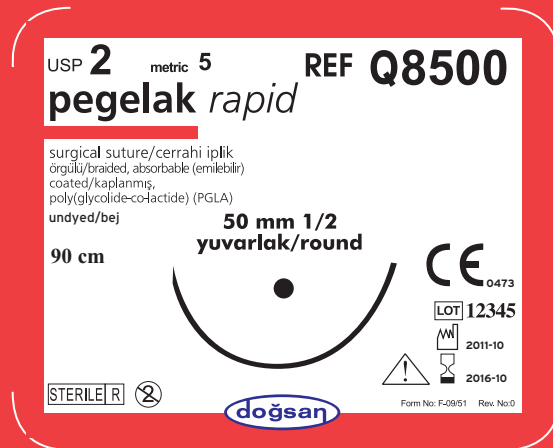
63 mm									
3/8 blunt point liver needle	 blunt point	violet	75 cm					L7638	
		violet	100 cm					L7658	

	color	1	1.5	2	3	3.5	4
		5/0	4/0	3/0	2/0	0	1

without needle							
150 cm	violet	L25	L35	L45	L55	L65	L75
6x45 cm	violet	L22	L32	L42	L52	L62	L72
12x45 cm	violet		L34	L44	L54	L64	



pegelak[®] rapid









- Description:** Absorbable, synthetic, braided, coated suture for short term wound support, ideal for fast healing wounds
- Characteristics:** Quick absorption - increase in patient comfort and cosmetic results
Excellent handling properties
Excellent knot security and tie-down
- Short term wound support (~ 14 days)
- Tensile strength:** ~ 50 % after 5 days
~ 0 % after 14 days
- Absorption:** Essentially complete in 42 days
- Material :** polyglycolic acid (%90)-co-L-lactid acid (%10), PGLA
[Copolymer of glycolide and L-lactide (90:10)]
- Coating:** poly(glycolide-co-L-lactide) and calcium stearate
- Structure:** Braided (multifilament)
- Colour :** Undyed (beige)
- Sterilization:** Gamma Irradiation
- Packaging:** Available in USP 6/0 (metric 0.7) through USP 2 (metric 5) in boxes of 12 (one dozen) aluminium pouches.




needle information	colour	suture length	0.7	1	1.5	2	
			6/0	5/0	4/0	3/0	
13 mm							
3/8 cutting		undyed	45 cm	Q133			
3/8 PL		undyed	45 cm	Q139	Q239		
straight diamond		undyed	75 cm			Q338	
16 mm							
1/2 round bodied		undyed	45 cm	Q1160			
		undyed	75 cm		Q2160	Q3160	Q4160
3/8 cutting		undyed	75 cm		Q2165	Q3165	Q4165
3/8 PL		undyed	75 cm		Q2169	Q3169	
18 mm							
1/2 round bodied		undyed	75 cm			Q3180	Q4180
19 mm							
3/8 PL		undyed	45 cm			Q3199	Q4199
20 mm							
1/2 round bodied		undyed	75 cm			Q3200	Q4200
3/8 cutting		undyed	75 cm			Q3213	Q4213
22 mm							
1/2 round bodied		undyed	45 cm			Q3220	Q4220

needle information	colour	suture length	1.5	2	3	3.5	4
			4/0	3/0	2/0	0	1



25 mm							
1/2 round bodied		undyed	75 cm	Q3250	Q4250	Q5250	
3/8 cutting		undyed	45 cm		Q4255	Q5255	
3/8 PL		undyed	45 cm	Q3259	Q4259		



26 mm							
3/8 cutting		undyed	75 cm		Q4263	Q5263	


30 mm							
1/2 round bodied		undyed	75 cm		Q4300	Q5300	Q6300 Q7300

35 mm							
1/2 round bodied		undyed	75 cm			Q5350	Q6350 Q7350
		undyed	90 cm				Q6360
3/8 cutting		undyed	75 cm		Q4353	Q5353	
1/2 diamond		undyed	90 cm			Q5356	Q6356

needle information	colour	suture length	3	3.5	4	5
			2/0	0	1	2

40 mm							
1/2 round bodied		undyed	75 cm	Q5400	Q6400	Q7400	Q8400
		undyed	90 cm	Q5410	Q6410	Q7410	
1/2 diamond		undyed	90 cm		Q6406	Q7406	

45 mm							
1/2 diamond		undyed	90 cm		Q6456		
1/2 round bodied		undyed	75 cm			Q7450	Q8450
		undyed	90 cm		Q6450		

50 mm							
1/2 round bodied		undyed	90 cm	Q5500	Q6500	Q7500	Q8500

	colour	1.5	2	3	3.5	4	5
		4/0	3/0	2/0	0	1	2

without needle							
150 cm	undyed	Q35	Q45	Q55	Q65	Q75	Q85
6x45 cm	undyed	Q32	Q42	Q52			



pegesorb®

USP 1 metric 4 REF G7400
pegesorb

surgical suture/cerrahi iplik
örgülü/braided, absorbable (emilebilir)
coated/kaplanmış,
polyglycolic acid (PGA)
EP, USP
violet/mor

40 mm 1/2
yuvarlak/round

75 cm



CE 0473

LOT 12345

2011-10

2016-10








STERILE EO

dogsan












Form No: F-09/46 Rev. No:1




- Description:** Absorbable, synthetic, braided, coated suture for medium term wound support with highest tensile strength
- Characteristics:** Very high tensile strength
Excellent handling properties
Excellent knot security and tie-down
- Medium term wound support (~ 30 days)
- Tensile strength:** Very high (much above USP requirements)
~ 70 % after 2 weeks
~ 50 % after 3 weeks
~ 0 % after 4-5 weeks
- Absorption:** Essentially complete in 60-90 days
- Material :** polyglycolic acid, PGA %100
- Coating:** poly(glycolide-co-L-lactide) and calcium stearate
(Also available with polycaprolactone & calcium stearate)
- Structure:** Braided (multifilament)
- Colour :** Violet /undyed (beige)
- Sterilization:** EO
- Packaging:** Available in USP 8/0 (metric 0.4) through USP 2 (metric 5) in boxes of 12 (one dozen) aluminium pouches


needle information	needle diameter	colour	suture length	0.4	0.5	0.7	1	1.5	
				8/0	7/0	6/0	5/0	4/0	
6 mm									
3/8 spatulated, double		200 μ	violet	45 cm	G9672				
8 mm									
1/4 spatulated, double		280 μ	violet	45 cm		G0882	G1882		
		330 μ	violet	45 cm				G2882	
3/8 cutting		200 μ	violet	45 cm		G083			
10 mm									
3/8 cutting		280 μ	violet	45 cm			G103		
3/8 cutting, double		280 μ	violet	45 cm			G1032		
13 mm									
3/8 round bodied		330 μ	undyed	45 cm			I131		
		330 μ	violet	45 cm			G131		
		330 μ	violet	60 cm				G231	
		380 μ	violet	60 cm					G331
3/8 PL		330 μ	violet	45 cm			G139	G239	


needle information	colour	suture length	1	1.5	2	3	
			5/0	4/0	3/0	2/0	
16 mm							
1/2 round bodied		violet	75 cm	G2160	G3160	G4160	
3/8 round bodied		violet	45 cm	G2161			
3/8 cutting		violet	75 cm	G2165	G3165	G4165	
3/8 PL		violet	45 cm	G2169	G3169		
18 mm							
1/2 round bodied		violet	75 cm		G3180	G4180	
19 mm							
3/8 PL		violet	45 cm	G2199	G3199	G4199	
20 mm							
1/2 round bodied		violet	75 cm		G3200	G4200	
3/8 cutting		violet	45 cm		G3203	G4203	
		violet	75 cm		G3213		
		violet	90 cm			G4213	
25 mm							
1/2 round bodied		violet	75 cm		G3250	G4250	G5250
		violet	90 cm			G4260	G5260
3/8 cutting		violet	45 cm		G3255	G4255	G5255
3/8 PL		violet	45 cm		G3259	G4259	

needle information	colour	suture length	2	3	3.5	4	5	
			3/0	2/0	0	1	2	
26 mm								
3/8 cutting		undyed	75 cm	I4263	I5263			
		violet	75 cm	G4263	G5263			
27 mm								
5/8 round bodied		violet	75 cm		G5278			
30 mm								
1/2 round bodied		violet	75 cm	G4300	G5300	G6300	G7300	
1/2 cutting		violet	75 cm		G5304	G6304		
3/8 cutting		violet	75 cm	G4303	G5303	G6303		
35 mm								
1/2 round bodied		violet	75 cm		G5350	G6350	G7350	
		violet	90 cm		G5360			
3/8 cutting		violet	75 cm	G4353	G5353			
1/2 diamond		violet	90 cm		G5356	G6356		
40 mm								
1/2 round bodied		violet	75 cm		G5400	G6400	G7400	G8400
			90 cm			G6410	G7410	G8410
1/2 cutting		violet	90 cm			G6414	G7414	G8414
1/2 diamond		violet	90 cm			G6406	G7406	G8406

needle information	colour	suture length	3	3.5	4	5
			2/0	0	1	2

45 mm							
1/2 round bodied		violet	75 cm			G7450	G8450
		violet	90 cm			G7460	

50 mm							
1/2 round bodied		violet	75 cm	G5500	G6500	G7500	G8500
		violet	90 cm		G6510	G7510	G8510

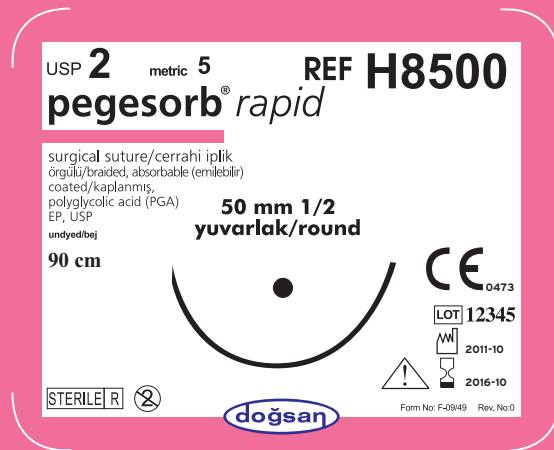
63 mm							
3/8 blunt point liver needle	 blunt point	violet	75 cm			G7638	

	colour	1	1.5	2	3	3.5	4
		5/0	4/0	3/0	2/0	0	1

without needle							
150 cm	violet	G25	G35	G45	G55	G65	G75
6x45 cm	violet	G22	G32	G42	G52	G62	G72
12x45 cm	violet		G34	G44	G54	G64	




pegesorb® rapid










- Description:** Absorbable, synthetic, braided, coated suture for short term wound support, ideal for fast healing wounds
- Characteristics:** Quick absorption - increase in patient comfort, cosmetic results
Excellent handling properties
Excellent knot security and tie-down
- Short term wound support (~ 14 days)
- Tensile strength:** ~ 50 % after 5 days
~ 0 % after 14 days
- Absorption:** Essentially complete in 42 days
- Material :** polyglycolic acid, PGA 100%
- Coating:** polycaprolactone (glycolide-co-L-lactide) & calcium stearate
- Structure:** Braided (multifilament)
- Colour :** Undyed (beige)
- Sterilization:** Gamma Irradiation
- Packaging:** Available in USP 5/0 (metric 1) through USP 2 (metric 5) in boxes of 12 (one dozen) aluminium pouches.



needle information	colour	suture length	1	1.5	2	3
			5/0	4/0	3/0	2/0

13 mm						
3/8 PL		undyed	45 cm	H239		



16 mm						
1/2 round bodied		undyed	75 cm	H2160	H3160	H4160
3/8 cutting		undyed	75 cm	H2165	H3165	H4165
3/8 PL		undyed	75 cm	H2169	H3169	


18 mm						
1/2 round bodied		undyed	75 cm		H3180	H4180


19 mm						
3/8 PL		undyed	45 cm		H3199	H4199




20 mm						
1/2 round bodied		undyed	75 cm		H3200	H4200
3/8 cutting		undyed	75 cm		H3213	H4213

needle information	colour	suture length	1.5	2	3	3.5	4
			4/0	3/0	2/0	0	1



25 mm							
1/2 round bodied		undyed	75 cm	H3250	H4250	H5250	
3/8 cutting		undyed	45 cm		H4255	H5255	
3/8 PL		undyed	45 cm	H3259	H4259		


26 mm							
3/8 cutting		undyed	75 cm		H4263	H5263	


30 mm							
1/2 round bodied		undyed	75 cm		H4300	H5300	H6300 H7300

35 mm							
1/2 round bodied		undyed	75 cm			H5350	H6350 H7350
			90 cm				H6360
3/8 cutting		undyed	75 cm		H4353	H5353	
1/2 diamond		undyed	90 cm			H5356	H6356

needle information	colour	suture length	3	3.5	4	5
			2/0	0	1	2

40 mm							
1/2 round bodied		undyed	75 cm	H5400	H6400	H7400	H8400
		undyed	90 cm	H5410	H6410	H7410	
1/2 diamond		undyed	90 cm		H6406	H7406	

45 mm							
1/2 round bodied		undyed	75 cm			H7450	H8450

50 mm							
1/2 round bodied		undyed	90 cm	H5500	H6500	H7500	H8500

	colour	1.5	2	3	3.5	4	5
		4/0	3/0	2/0	0	1	2

without needle							
150 cm	undyed	H35	H45	H55	H65	H75	H85



tekmon®

USP 5/0_{metric 1} REF U2165
tekmon®

surgical suture/cerrahi iplik
monofilament, absorbable (emilebilir)
poly(glycolide-co-caprolactone) (PGCL)
EP, USP

undyed/bej
75 cm

16 mm 3/8
keskin/cutting



CE₀₄₇₃

LOT 12345

2011-10

2016-10

STERILE EO

doğsan


Form No: F-0853 Rev. No: 0




- Description:** Absorbable, synthetic, monofilament suture for short-medium term wound support, with a smooth surface for fast healing wounds
- Characteristics:** High initial strength
Easy passage through tissue/smoothness of a monofilament
Minimal tissue reaction
Very good knot security
- Short -Medium term wound support (~ 21 days)
- Tensile strength:** ~ 60 % after 1 week
~ 30 % after 2 weeks
~ 0 % after 4 weeks
- Absorption:** Essentially complete in 90-120 days
- Material :** polyglycolide(%75)-co-caprolactone (%25), PGCL
- Structure:** Monofilament
- Colour :** Violet/Undyed (clear)
- Sterilization:** EO
- Packaging:** Available in USP 6/0 (metric 0.7) through USP 2 (metric 5) in boxes of 12 (one dozen) aluminium pouches.

needle information	needle diameter	colour	suture length	0.7	1	1.5	2
				6/0	5/0	4/0	3/0



8 mm

1/4 spatulated, double		330µ	undyed	45 cm	U1882	U2882		
------------------------	---	------	--------	-------	-------	-------	--	--




10 mm

3/8 cutting		330µ	undyed	45 cm	U103			
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13 mm

3/8 PL		330µ	undyed	45 cm	U139	U239		
3/8 round bodied		330µ	undyed	60 cm		U231		

16 mm

1/2 round bodied			undyed	75 cm		U2160		
			violet	75 cm			T3160	T4160
3/8 cutting			undyed	75 cm		U2165	U3165	U4165
			violet	90 cm			T3175	
3/8 PL			undyed	45 cm		U2169	U3169	


19 mm

3/8 PL			undyed	45 cm		U2199	U3199	U4199
--------	---	--	--------	-------	--	-------	-------	-------

needle information	colour	suture length	1.5	2	3	3.5	4
			4/0	3/0	2/0	0	1



20 mm							
1/2 round bodied		violet	75 cm	T3200	T4200		
3/8 cutting		undyed	75 cm	U3213	U4213		
		violet	75 cm	T3213	T4213		



25 mm							
1/2 round bodied		violet	75 cm	T3250	T4250	T5250	
		undyed	75 cm		U4250	U5250	
3/8 cutting		violet	45 cm		T4255	T5255	
3/8 PL		undyed	45 cm	U3259	U4259		


26 mm							
3/8 cutting		undyed	75 cm		U4263	U5263	


30 mm							
1/2 round bodied		violet	75 cm		T4300	T5300	T6300 T7300
3/8 cutting		violet	75 cm			T5303	T6303


needle information	colour	suture length	3	3.5	4	5
			2/0	0	1	2

35 mm						
1/2 round bodied		violet	75 cm	T5350	T6350	T7350
3/8 cutting		violet	75 cm	T5353		

40 mm							
1/2 round bodied		violet	75 cm	T5400	T6400	T7400	T8400
		violet	90 cm		T6410	T7410	
1/2 cutting		violet	75 cm			T7404	T8404

45 mm						
1/2 round bodied		violet	75 cm			T7450

50 mm							
1/2 round bodied		violet	75 cm	T5500		T7500	T8500
		violet	90 cm			T7510	

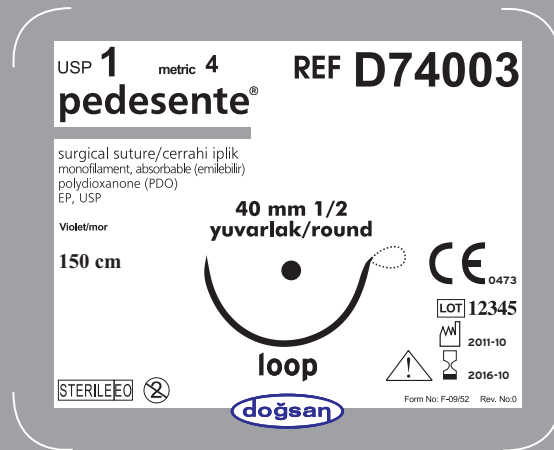
63 mm						
3/8 blunt point liver needle		violet	75 cm			T7638

	colour	2	3	3.5	4	5
		3/0	2/0	0	1	2

without needle						
150 cm	violet	T45	T55	T65	T75	T85






pedesente®










- Description:** Absorbable, synthetic, monofilament suture for long term wound support, ideal for slow healing wounds
- Characteristics:** Easy passage through tissue/smoothness of a monofilament
High initial strength
Slow decrease in tensile strength
Minimal tissue reaction
Ideal for long term support
- Long term wound support (~ 60 days)
- Tensile strength:** ~ 75 % after 2 weeks
~ 60 % after 4 weeks
~ 0 % after 10 weeks
- Absorption:** Essentially complete in 180-210 days
- Material :** polydioxanone, PDO 100%
- Structure:** Monofilament
- Colour :** Violet
- Sterilization:** EO
- Packaging:** Available in USP 7/0 (metric 0.5) through USP 2 (metric 5) in boxes of 12 (one dozen) aluminium pouches.






needle information	needle diameter	colour	suture length	0.5	0.7	1	1.5	2
				7/0	6/0	5/0	4/0	3/0







8 mm									
3/8 round bodied, double		220 μ	violet	75 cm	D0812				
		330 μ	violet	45 cm		D1812			
				75 cm		D1912			
3/8 round bodied		330 μ	violet	60 cm		D1872			
3/8 KD, double		330 μ	violet	30 cm		D181			

9 mm									
3/8 round bodied, double		200 μ	violet	75 cm	D0912				


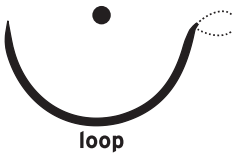
10 mm									
3/8 cutting		330 μ	violet	45 cm		D103			
3/8 cutting, double		330 μ	violet	45 cm		D1032			


13 mm									
3/8 round bodied, double		220 μ	violet	45 cm	D0312				
		330 μ	violet	75 cm		D1312	D2312		
3/8 PL		380 μ	violet	45 cm		D139	D239		


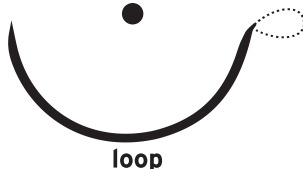
16 mm									
1/2 round bodied			violet	75 cm			D2160	D3160	D4160
1/2 round bodied			violet	75 cm			D2161	D3161	
1/2 round bodied, double			violet	90 cm			D21602	D31602	
3/8 cutting			violet	75 cm			D2165	D3165	D4165
3/8 PL			violet	45 cm			D2169	D3169	

needle information	colour	suture length	1	1.5	2	3	3.5	
			5/0	4/0	3/0	2/0	0	
19 mm								
3/8 PL		violet	45 cm	D2199	D3199	D4199		
20 mm								
1/2 round bodied		violet	75 cm		D3200	D4200		
3/8 cutting		violet	45 cm		D3203	D4203		
25 mm								
1/2 round bodied		violet	75 cm		D3250	D4250	D5250	D6250
3/8 cutting		violet	45 cm		D3255	D4255	D5255	
3/8 PL		violet	45 cm		D3259	D4259		
26 mm								
3/8 cutting		violet	75 cm			D4263		
30 mm								
1/2 round bodied		violet	75 cm			D4300	D5300	D6300
3/8 cutting		violet	75 cm				D5303	

needle information	colour	suture length	3	3.5	4	5
			2/0	0	1	2

40 mm							
1/2 round bodied		violet	75 cm	D5400	D6400	D7400	D8400
		violet	90 cm			D7410	D8410
1/2 round bodied, loop		violet	150 cm		D64003	D74003	

45 mm							
1/2 round bodied		violet	75 cm			D7450	D8450

50 mm							
1/2 round bodied		violet	75 cm		D6500	D7500	D8500
		violet	90 cm				D8510
1/2 round bodied, loop		violet	150 cm		D65003	D75003	

propilen®

polypropylene

trofilen®

polyvinylidene fluoride

daylon®

polyamide

politer®

polyester

silk

silk

tektel®

stainless steel wire

Non-Absorbable Sutures



propilen®

USP 7/0^{metric} 0.5 REF P0814
propilen®

surgical suture/cerrahi iplik
monofilament, non-absorbable,
polypropylene
EP, USP

mavi/blue

60 cm

8 mm 3/8
yuvarlak-round
siyah-black



çift-double
220 µ

CE⁰⁴⁷³

LOT 12345

2011-10

2016-10

TSEK
STERILE



Form No: F-0935 Rev. No:2



Description: Non-Absorbable, monofilament suture, made of specially extruded condensed polypropylene, very smooth and ideal for cardio vascular surgery

Characteristics: Ideal suture for cardio vascular surgery
Very smooth flow through the tissue
Very high tensile strength
High softness and flexibility
Minimum tissue reaction, ideal for infected tissues
Good knot security

Tensile strength: Permanent -Very high tensile strength

Material : polypropylene


Structure: Monofilament


Colour : Blue/Undyed (clear)


Sterilization: EO


Packaging: Available in USP 10/0 (metric 0.2) through USP 2 (metric 5) in boxes of 12 (one dozen) pouches.







needle information	needle diameter	suture length	0.2	0.3	0.4	0.5	0.7	1
			10/0	9/0	8/0	7/0	6/0	5/0

5 mm								
3/8 round bodied		100 μ	13 cm	M2205	M3205			







6 mm								
3/8 round bodied, double		160 μ	60 cm			P9612		

8 mm								
3/8 round bodied, double		160 μ	60 cm			P9812		
		220 μ	60 cm				P0812	P1812
		180 μ	60 cm				P0822	
	 black	160 μ	60 cm			P9814		
		220 μ	60 cm				P0814	P1814
3/8 KD, double		180 μ	60 cm			P9872		
		220 μ	60 cm				P0872	P1872








9 mm								
3/8 round bodied, double		200 μ	75 cm				P0912	
	 black	200 μ	60 cm				P0914	



needle information	needle diameter	suture length	0.4	0.5	0.7	1
			8/0	7/0	6/0	5/0
10 mm						
3/8 round bodied, double		220 μ	60 cm		P0012	
		240 μ	60 cm			P1012
			75 cm			P1112
		330 μ	60 cm			
	75 cm					P2112
	 black	220 μ	60 cm		P0014	P1014
75 cm					P1114	
1/2 round bodied, double		220 μ	75 cm			P1002
3/8 KD, double		200 μ	60 cm		P0072	
		200 μ	60 cm		P0074	
	 black		220 μ	60 cm		
3/8 cutting		280 μ	45 cm			P103

needle information	needle diameter	suture length	0.5	0.7	1	1.5
			7/0	6/0	5/0	4/0

13 mm							
3/8 round bodied		280 μ	60 cm		P131		
			75 cm		P141		
		330 μ	60 cm			P231	
3/8 round bodied, double		220 μ	60 cm	P0312			
		280 μ	60 cm		P1312		
		220 μ	75 cm	P0412			
		280 μ	75 cm		P1412		
		330 μ	75 cm			P2312	
			90 cm			P2412	
		380 μ	75 cm				P3312
	 siyah	220 μ	60 cm	P0314			
		240 μ	60 cm		P1314		
			75 cm		P1414		
1/2 round bodied, double		280 μ	75 cm		P1302		
		330 μ	75 cm			P2302	
3/8 KD, double		280 μ	75 cm		P1372		
		330 μ	75 cm			P2372	
3/8 cutting		280 μ	45 cm		P133		
		380 μ	45 cm			P233	P333







needle information	colour	suture length	0.7	1	1.5	2
			6/0	5/0	4/0	3/0



16 mm							
1/2 round bodied		blue	60 cm	P1160			
		blue	75 cm		P2160	P3160	P4160
1/2 round bodied, double		blue	90 cm		P21602	P31602	P41602
		blue	90 cm		P21604	P31604	
1/2 KD, double		blue	90 cm		P21672	P31672	P41672
3/8 round bodied, double		blue	90 cm		P21612	P31612	
3/8 cutting		blue	45 cm	P1165	P2165	P3165	
		blue	75 cm				P4165
3/8 cutting		blue	45 cm	P1163	P2163	P3163	
		blue	75 cm				P4163
		blue	75 cm		P2173	P3173	
3/8 PL		blue	45 cm	P1169		P3169	







18 mm							
1/2 round bodied		blue	75 cm			P3180	P4180
		undyed	75 cm			X3180	
3/8 cutting		blue	75 cm		P2183	P3183	
		undyed	75 cm			X3183	

19 mm							
3/8 PL		blue	45 cm		P2199	P3199	P4199


needle information	colour	suture length	1	1.5	2	3	3.5
			5/0	4/0	3/0	2/0	0





20 mm								
1/2 round bodied		blue	75 cm	P2200	P3200	P4200	P5200	
1/2 round bodied, double		blue	90 cm	P22002	P32002	P42002		
	 black	blue	90 cm		P32004			
1/2 KD, double		blue	90 cm	P22072	P32072			
3/8 cutting		blue	45 cm	P2205	P3205	P4205		
3/8 cutting		blue	45 cm	P2203	P3203	P4203		
		blue	75 cm	P2213	P3213	P4213		



22 mm								
1/2 round bodied		blue	90 cm	P22202	P32202			
1/2 cutting		blue	45 cm			P4224		

25 mm								
1/2 round bodied		blue	75 cm		P3250	P4250	P5250	P6250
		undyed	75 cm			X4250		
1/2 round bodied, double		blue	90 cm		P32502	P42502	P52502	
	 black	blue	90 cm		P32504	P42504		
3/8 PL		blue	45 cm	P2259	P3259	P4259		
1/2 KD, double		blue	90 cm		P32572	P42572	P52572	
3/8 cutting		blue	45 cm		P3255	P4255	P5255	
		blue	75 cm		P3245			




needle information	colour	suture length	2	3	3.5	4
			3/0	2/0	0	1



26 mm							
3/8 cutting		blue	75 cm	P4263	P5263		
		undyed	75 cm	X4263			




30 mm							
1/2 round bodied		blue	75 cm	P4300	P5300	P6300	
		blue	100 cm				P7300
1/2 round bodied, double		blue	90 cm	P43002	P53002		
1/2 cutting		blue	75 cm		P5304		
3/8 cutting		blue	75 cm	P4303	P5303	P6303	

35 mm							
1/2 round bodied		blue	75 cm		P5350		
		blue	100 cm			P6350	P7350
3/8 cutting		blue	75 cm	P4353	P5353		


needle information	suture length	3	3.5	4	5
		2/0	0	1	2


40 mm						
1/2 round bodied		100 cm	P5400	P6400	P7400	P8400
1/2 cutting		100 cm		P6404	P7404	
3/8 cutting		100 cm	P5403		P7403	

45 mm						
1/2 round bodied	 loop	150 cm			P74503	
1/2 diamond		100 cm			P7456	

50 mm						
1/2 round bodied		100 cm			P7500	
	 loop	150 cm		P65003	P75003	
		200 cm			P75103	
1/2 cutting		100 cm			P7504	

needle information	suture length	2	3	3.5	4
		3/0	2/0	0	1

60 mm					
straight cutting		75 cm	P4608	P5608	

90 mm					
3/8 cutting, retention suture		2x50 cm			P79056



trofilen®

USP **5/0**_{metric 1} REF **F2163**
trofilen®

surgical suture/cerrahi iplik
monofilament, non-absorbable,
polyvinylidene fluoride
EP, USP

mavi/blue

45 cm

**16 mm 3/8
keskin-cutting**



CE₀₄₇₃

LOT 12345

2011-10

2016-10

TSEK
STERILEEO

doğsan

Form No: F-09/06 Rev. No:2



Description: Non-Absorbable, monofilament suture, made of specially extruded Polyvinylidene fluoride (PVDF) a very inert material ideal for plastic and cardiovascular surgery

Characteristics: Very smooth flow through the tissue
Highest tensile strength in monofilaments
Excellent pliability and flexibility
Minimum tissue reaction, ideal in infected tissues

Tensile strength: Permanent - Very high tensile strength

Material : polyvinylidene fluoride (PVDF)

Structure: Monofilament

Colour : Blue

Sterilization: EO

Packaging: Available in USP 8/0 (metric 0.4) through USP 2 (metric 5) in boxes of 12 (one dozen) pouches.






needle information	needle diameter	suture length	0.4	0.5	0.7	1
			8/0	7/0	6/0	5/0

8 mm

3/8 round bodied, double		160 μ	60 cm	F9812			
		220 μ	60 cm		F0812	F1812	
	 black	160 μ	60 cm	F9814			
		220 μ	75 cm		F0814		
		220 μ	60 cm			F1814	
	3/8 KD, double		180 μ	60 cm	F9872		
220 μ			60 cm		F0872	F1872	
3/8 cutting		220 μ	45 cm		F083		

10 mm

3/8 round bodied, double		220 μ	60 cm		F0012		
		240 μ	60 cm			F1012	
	 black	220 μ	60 cm		F0014		
3/8 KD, double		220 μ	60 cm		F0072		
		330 μ	60 cm				F2072
	 black	200 μ	60 cm		F0074		
3/8 cutting		280 μ	45 cm			F103	


needle information	needle diameter	suture length	0.5	0.7	1	1.5
			7/0	6/0	5/0	4/0
13 mm						
3/8 round bodied		280 μ	60 cm		F131	
		330 μ	60 cm			F231
3/8 round bodied, double		220 μ	60 cm	F0312		
		280 μ	60 cm		F1312	
			75 cm		F1412	
		330 μ	75 cm			F2312
	 black	220 μ	60 cm	F0314		
		240 μ	60 cm		F1314	
		240 μ	75 cm		F1414	
		330 μ	75 cm			F2314
1/2 round bodied, double		330 μ	75 cm			F2302
3/8 cutting		280 μ	45 cm		F133	
		380 μ	45 cm			F233

needle information	suture length	0.7	1	1.5	2
		6/0	5/0	4/0	3/0







16 mm







1/2 round bodied		60 cm	F1160			
		75 cm		F2160	F3160	F4160
1/2 round bodied, double		90 cm		F21602	F31602	F41602
	 black	90 cm		F21604	F31604	
1/2 KD, double		90 cm		F21672	F31672	F41672
3/8 cutting		45 cm	F1165	F2165	F3165	
		75 cm				F4165
3/8 cutting		45 cm	F1163	F2163	F3163	
		75 cm				F4163
3/8 PL		45 cm	F1169	F2169	F3169	


19 mm

3/8 PL		45 cm		F2199	F3199	F4199
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needle information	suture length	1	1.5	2	3	3.5
		5/0	4/0	3/0	2/0	0




20 mm						
1/2 round bodied		75 cm	F2200	F3200	F4200	F5200
1/2 round bodied, double		90 cm	F22002	F32002	F42002	
	 black	90 cm		F32004		
1/2 KD, double		90 cm	F22072	F32072		
3/8 cutting		45 cm	F2205	F3205	F4205	
3/8 cutting		45 cm	F2203	F3203	F4203	


25 mm						
1/2 round bodied		75 cm		F3250	F4250	F5250
1/2 round bodied, double		90 cm		F32502	F42502	F52502
	 black	90 cm		F32504	F42504	
3/8 PL		45 cm	F2259	F3259	F4259	
1/2 KD, double		90 cm		F32572	F42572	F52572
3/8 cutting		45 cm		F3255	F4255	F5255




26 mm						
3/8 cutting		75 cm			F4263	F5263

needle information	suture length	2	3	3.5	4	5
		3/0	2/0	0	1	2

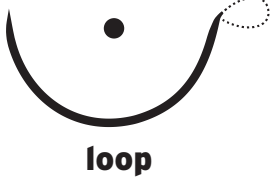
30 mm						
1/2 round bodied		75 cm	F4300	F5300	F6300	
		100 cm				F7300
1/2 cutting		75 cm		F5304		
3/8 cutting		75 cm	F4303	F5303	F6303	


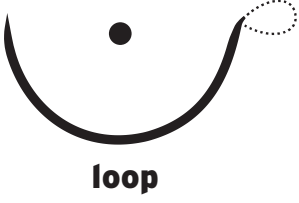

35 mm						
1/2 round bodied		75 cm		F5350		
		100 cm			F6350	F7350
3/8 cutting		75 cm	F4353	F5353		
3/8 cutting		75 cm				F7355


36 mm						
5/8 round bodied		75 cm				F7368

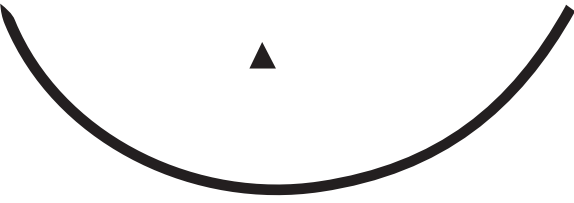
40 mm						
1/2 round bodied		100 cm		F5400	F6400	F7400
1/2 cutting		100 cm			F6404	F7404
3/8 cutting		100 cm		F5403		F7403

needle information	suture length	2	3	3.5	4	5
		3/0	2/0	0	1	2

45 mm						
1/2 round bodied		150 cm		F64503	F74503	

50 mm						
1/2 round bodied		100 cm			F7500	F8500
		150 cm		F65003	F75003	
1/2 cutting		100 cm			F7504	

60 mm						
straight cutting		75 cm	F4608	F5608		

90 mm						
3/8 cutting, retention suture		2x50 cm			F79056	



daylon®

USP **6/0**_{metric 0.7} REF **Y139**
daylon®

surgical suture/cerrahi iplik
 monofilament, non-absorbable,
 polyamide 66

EP, USP

mavi/blue

45

13 mm 3/8
 PL



CE₀₄₇₃

LOT 12345

2011-05

2016-05


TS 5504
 STERILE EO

Form No: F-09/08 Rev. No:1



- Description:** Non-Absorbable, monofilament suture, made of polyamide classic suture for plastic and ophthalmic surgery
- Characteristics:** Uniform diameter
Minimal memory
High Flexibility
Very good knot security
Smooth passage through tissue
- Tensile strength:** Permanent
- Material :** polyamide
- Structure:** Monofilament
- Colour :** Blue : USP 6/0 - USP 2
Black: USP 12/0 - USP 8/0
- Sterilization:** EO
- Packaging:** Available in USP 12/0 (metric 0.01) through USP 2 (metric 5) in boxes of 12 (one dozen) pouches.

needle information	needle diameter	colour	suture length	0.01	0.1	0.2	0.3	0.4
				12/0	11/0	10/0	9/0	8/0


4 mm									
3/8 round bodied		50 μ	black	13 cm	M0102				
		70 μ	black	13 cm		M1102			
		100 μ	black	13 cm			M2102	M3102	
		140 μ	black	13 cm					M4112

5 mm									
3/8 round bodied		100 μ	black	13 cm			M2105	M3105	
		140 μ	black	13 cm					M4115

6 mm									
3/8 spatulated, double		150 μ	black	30 cm			M2177	M3167	
		200 μ	black	45 cm			M2187		
3/8 round bodied		140 μ	black	13 cm					M4117

needle information	needle diameter	colour	suture length	0.7	1	1.5	2
				6/0	5/0	4/0	3/0



10 mm

3/8 cutting		280µ	blue	45 cm	Y103			
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13 mm

3/8 cutting		280µ	blue	45 cm	Y133			
3/8 PL		330µ	blue	45 cm	Y139	Y239		


16 mm

3/8 cutting		blue	45 cm	Y1163	Y2163	Y3163	
		blue	75 cm				Y4163
		undyed	75 cm				V4163
3/8 PL		blue	45 cm	Y1169	Y2169	Y3169	



19 mm


3/8 PL		blue	45cm		Y2199	Y3199	Y4199
		undyed	45cm				V4199


20 mm


3/8 cutting		blue	45cm		Y2203	Y3203	Y4203
3/8 cutting		blue	45cm			Y3205	Y4205




needle information	colour	suture length	1	1.5	2	3	3.5	4
			5/0	4/0	3/0	2/0	0	1

25 mm									
3/8 cutting		blue	45 cm			Y3255	Y4255		
3/8 PL		blue	45 cm	Y2259	Y3259	Y4259			

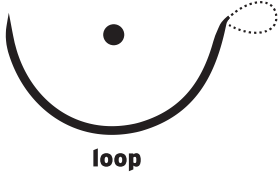
26 mm									
3/8 cutting		blue	75 cm			Y4263	Y5263		
		undyed	75 cm			V4263	V5263		

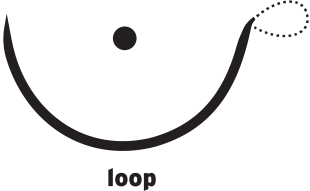
30 mm									
1/2 round bodied		blue	100 cm					Y6300	Y7300
3/8 cutting		blue	75 cm			Y4303	Y5303		
		undyed	75 cm				V5303		


35 mm									
1/2 round bodied		blue	100 cm					Y6350	Y7350

40 mm									
1/2 round bodied		blue	100 cm				Y5400	Y6400	Y7400
1/2 cutting		blue	100 cm					Y6404	Y7404
3/8 cutting		blue	100 cm						Y7403

needle information	colour	suture length	2	3	3.5	4
			3/0	2/0	0	1

45 mm						
1/2 round bodied		blue	150 cm			Y64503 Y74503

50 mm						
1/2 round bodied		blue	150 cm			Y65003 Y75003

60 mm						
straight cutting		blue	75 cm	Y4608	Y5608	



politer®

USP **2/0**^{metric 3} REF **R52502**
politer®

surgical suture/cerrahi iplik
braided/örgülü, non-absorbable,
non-capillary polyester, coated
EP, USP

yesil/green

90 cm

25 mm 1/2
yuvarlak-round



çift-double

doğan

CE₀₄₇₃

LOT 12345

2011-10

2016-10

TS 5503
STERILE EO

Form No: F-0937 Rev: No:1



Description: Non-Absorbable, synthetic, braided, coated suture, made by braiding of fine polyester filaments, ideal for cardiovascular & implant surgery for very long term support

Characteristics: Very high tensile strength
Permanent support
Excellent knot security
Excellent handling
Providing maximum security under stress

Tensile strength: permanent, no known significant change in tensile strength retention in vivo.

Material : polyethylene terephthalate (polyester)












Coating: silicone based

Structure: Braided (multifilament)

Colour : Green / White

Sterilization: EO

Packaging: Available in USP 5/0 (metric 1) through USP 5 (metric 7) in boxes of 12 (one dozen) pouches.

needle information	needle diameter	colour	suture length	1	1.5	2	3	
				5/0	4/0	3/0	2/0	
8 mm								
1/4 spatulated, double		330 μ	white	45 cm	O2882			
		330 μ	green	45 cm	R2882			
13 mm								
3/8 cutting		380 μ	green	45 cm	R233	R333		
16 mm								
1/2 round bodied			green	75 cm		R3160	R4160	
1/2 round bodied, double			green	90 cm		R31602	R41602	
3/8 cutting			green	75 cm		R3165	R4165	
17 mm								
1/2 round bodied, double			green	90 cm		R31702	R41702	R51702
1/2 round bodied, double	 <small>With PTFE Pledget 6 x 3 mm</small>		green	75 cm			R5170P	
			white	75 cm			O5170P	
1/2 diamond, double			green	90 cm	R21762	R31762	R41762	R51762
18 mm								
3/8 diamond, double			green	75 cm			R41862	
20 mm								
1/2 round bodied, double			green	90 cm		R32002	R42002	R52002
			green	75 cm		R31902	R41902	R51902
1/2 round bodied, double	 <small>With PTFE Pledget 6 x 3 mm</small>		green	75 cm			R5190P	
			white	75 cm			O5190P	

needle information	colour	suture length	2	3	3.5	4	5
			3/0	2/0	0	1	2



25 mm							
1/2 round bodied		green	75 cm	R4250	R5250	R6250	
1/2 round bodied, double		green	75 cm	R42402	R52402		
		green	90 cm	R42502	R52502	R62502	
		green	75 cm		R5240P		
		white	75 cm		O5240P		
1/2 diamond, double		green	90cm	R42562	R52562		
		green	75cm		R5256P		
		white	75cm		O5256P		
		green	75 cm	R4255	R5255		
3/8 cutting		green	75 cm	R4255	R5255		


30 mm							
1/2 round bodied		green	75 cm		R5300	R6300	
3/8 cutting		green	75 cm	R4303	R5303		

40 mm							
1/2 round bodied		green	75 cm			R7400	R8400

45 mm							
1/2 diamond		green	75 cm				R8456

needle information	suture length	3	3.5	4	5	7
		2/0	0	1	2	5

50 mm						
1/2 round bodied		75 cm			R7500	R8500
straight cutting		75 cm	R5508			

55 mm						
1/2 diamond		75 cm				R9556

	2	3	3.5	4
	3/0	2/0	0	1

without needle				
17x45 cm	R41	R51	R61	R71
13x60 cm	R43	R53	R63	



silk

USP 2/0 metric 3 REF S51
ipek/silk

surgical suture/cerrahi iplik
braided/örgülü, non-absorbable,
non-capillary silk, coated
EP, USP

siyah/black

17x45 cm

CE 0473

12 Adet/pouches

TS 5505
STERILE EO

LOT 12345
2011-10
2016-10

doğan

Form No: F-09/04 Rev. No:1


silk



- Description:** Non-Absorbable, braided, coated suture, made by braiding of fine processed natural silk fibers called fibroins, known for handling properties and used in many branches of surgery
- Characteristics:** Excellent handling
Excellent knot security
Coated suture for smooth flow through the tissue
- Tensile strength:** progressive degradation of the silk fibers resulting in gradual loss of tensile strength
- Material :** natural silk fibers of Bombyx mori
- Coating:** silicone based
- Structure:** Braided (multifilament) /twisted virgin silk for USP 8/0
- Colour :** Black / Blue only for 8/0 virgin silk
- Sterilization:** EO
- Packaging:** Available in USP 8/0 (metric 0.4) through USP 3 (metric 6) in boxes of 12 (one dozen) pouches.

silk

twisted, virgin silk, blue



needle information	needle diameter	suture length	0.4	0.5	0.7	
			8/0	7/0	6/0	
6 mm						
3/8 spatulated, double		140 μ	30 cm	M4367		
		200 μ	45 cm	M4387		



silk




braided, silicone coated silk, black

needle information	needle diameter	suture length	0.7	1	1.5	
			6/0	5/0	4/0	
8 mm						
1/4 spatulated, double		280 μ	45 cm	S1882		
		330 μ	45 cm		S2882	
10 mm						
3/8 round bodied		330 μ	75 cm		S201	
3/8 cutting		330 μ	45 cm	S103		
13 mm						
3/8 round bodied		330 μ	45 cm	S131		
		330 μ	75 cm		S231	
		380 μ	75 cm			S331
3/8 cutting		280 μ	45 cm	S133		
		380 μ	45 cm		S233	S333


needle information	suture length	0.7	1	1.5	2	3
		6/0	5/0	4/0	3/0	2/0

16 mm						
1/2 round bodied		45 cm	S1160			
		75 cm		S2160	S3160	S4160
3/8 cutting		45 cm	S1165			
		75 cm		S2165	S3165	S4165

18 mm						
1/2 round bodied		75 cm		S2180	S3180	S4180
3/8 cutting		75 cm		S2185	S3185	S4185

20 mm							
1/2 round bodied		75 cm		S2200	S3200	S4200	S5200
3/8 cutting		75 cm		S2205	S3205	S4205	
3/8 cutting		75 cm		S2203	S3203	S4203	S5203



22 mm							
1/2 cutting		75 cm			S3224	S4224	S5224




25 mm							
3/8 cutting		75 cm		S2255	S3255	S4255	S5255




silk



braided, silicone coated silk, black

needle information	suture length	1.5	2	3	3.5	4
		4/0	3/0	2/0	0	1




26 mm						
1/2 round bodied		75 cm	S3260	S4260	S5260	S6260
3/8 cutting		75 cm	S3263	S4263	S5263	S6263


30 mm						
1/2 round bodied		75 cm		S4300	S5300	S6300 S7300
3/8 cutting		75 cm		S4303	S5303	S6303
1/2 cutting		75 cm			S5304	S6304 S7304


35 mm						
1/2 round bodied		75 cm			S5350	S6350 S7350
3/8 cutting		75 cm				S7355
3/8 cutting		75 cm		S4353	S5353	

37 mm						
1/2 cutting		75 cm				S6374 S7374
1/2 round bodied		75 cm				S6370 S7370

needle information	suture length	2	3	3.5	4	5
		3/0	2/0	0	1	2

40 mm							
1/2 round bodied		75 cm		S5400	S6400	S7400	S8400
3/8 cutting		75 cm			S6403	S7403	
1/2 cutting		75 cm				S7404	

50 mm							
straight cutting		75 cm	S4508	S5508			

60 mm							
straight cutting		75 cm	S4608	S5608			

without needle	1.5	2	3	3.5	4	5	6
	4/0	3/0	2/0	0	1	2	3

17x45 cm	S31	S41	S51	S61	S71	S81	
13x60 cm	S33	S43	S53	S63	S73		
180 cm		S42	S52	S62	S72	S82	S92
10x75 cm		S46	S56	S66	S76	S86	



tektel®

USP **7** metric 9

REF **E1487**

tektel®

surgical suture/cerrahi iplik
nonabsorbable/emilmeyen
stainless steel wire/cerrahi çelik tel
monofilament

4x45 cm

48 mm 1/2
diamond fixed head needle
sabit iğne

12 Adet/pouches



CE 0473

LOT 12345

2011-10

2016-10

STERILE EO



doğsan




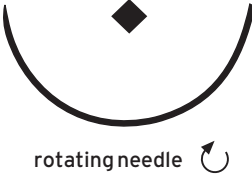

Form No: F-09/40 Rev. No:1

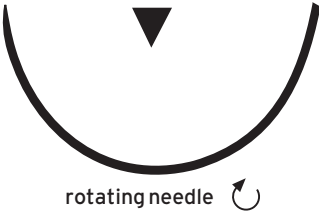


Description:	Non-absorbable stainless steel wire
Characteristics:	An ideal suture for sternotomy closure. Smooth surface and soft structure provides easy pass through tissues. Very high tensile strength and minimum tissue reaction.
Tensile strength:	Permanent
Material:	Monofilament
Structure:	316L
Solor :	Metallic grey
Sterilization:	EO
Packing:	Available in USP 2 (metric 5) - USP 8 (metric 10) in boxes of 2 (two) pouches with rotating or fixed head needle alternatives

needle information	suture length	5	6	7	8	9
		2	3&4	5	6	7

45 mm						
1/2 taper cut	 fixed head needle	4 x 45 cm	E7457	E8457		
		2 x 45 cm	E7459			

48 mm							
1/2 taper cut	 rotating needle	4 x 45 cm			E9486	E0486	E1486
		2 x 75 cm			E9488	E0488	E1488
	 fixed head needle	4 x 45 cm			E9487	E0487	E1487

55 mm						
1/2 cutting	 rotating needle	2 x 75 cm			E9553	E0553
		4 x 45 cm			E9551	E0551

Microsurgery & Ophthalmology


Microsurgery

needle information	needle diameter	suture length	0.01	0.1	0.2	0.3	0.4
			12/0	11/0	10/0	9/0	8/0

4 mm									
3/8 round bodied (chord = 3.14 mm)		daylon black	50 μ	13 cm	M0102				
		daylon black	70 μ	13 cm		M1102			
		daylon black	100 μ	13 cm			M2102	M3102	
		daylon black	140 μ	13 cm					M4112


5 mm									
3/8 round bodied (chord = 3.92 mm)		daylon black	100 μ	13 cm			M2105	M3105	
		propilen blue	100 μ	13 cm			M2205	M3205	
		daylon black	140 μ	13 cm					M4115

6 mm									
3/8 round bodied (chord = 4.71 mm)		daylon black	140 μ	13 cm			M2117	M3117	M4117
3/8 round bodied double (chord = 4.71 mm)		propilen blue	160 μ	60 cm					P9612

8 mm									
3/8 round bodied, double (chord = 6.27 mm)		propilen blue	160 μ	60 cm					P9812
		black	160 μ	60 cm					P9814

Ophthalmology

needle information	needle diameter	suture length	0.2	0.3	0.4
			10/0	9/0	8/0

6 mm							
3/8 spatulated, double (chord = 4.71 mm)		daylon (black)	150 μ	30 cm	M2177	M3167	
		v. silk (blue)	140 μ	30 cm			M4367
		daylon (black)	200 μ	45 cm	M2187		
		v. silk (blue)	200 μ	45 cm			M4387



IGK/1202

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