

# CERTIFICATE

Number: 2194636

The management system of the organization(s) and locations mentioned on the addendum belonging to:

## Assut Medical Sàrl

Avenue de Rochettaz 57  
1009 Pully  
Switzerland

including the implementation meets the requirements of the standard:

# EN ISO 13485:2016

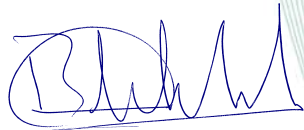
### Scope:

Design, manufacturing and distribution of sterile surgical sutures, pacing wires, micro-surgical knives and non-sterile atraumatic needles for the area of surgery

Certificate expiry date: 22 February 2023  
Certificate effective date: 22 February 2020  
Certified since: 20 September 2016

This certificate is valid for the organization(s) and/or locations mentioned on the addendum.

DEKRA Certification B.V.



B.T.M. Holtus  
Managing Director



J.A. van Vugt  
Certification Manager

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# ADDENDUM

To certificate: 2194636

The management system of the organization(s) and/or location(s) of:

## Assut Medical Sàrl

Avenue de Rochettaz 57  
1009 Pully  
Switzerland

Certified additional organization(s) and/or locations:

Organization/Location

## Assut Medical Sàrl

Sur le Crêt 13  
2606 Corgemont  
Switzerland

Scope:

Design and manufacturing of sterile surgical sutures, pacing wires, micro-surgical knives and non-sterile atraumatic needles for the area of surgery

## Assut Medical Sàrl

Av. De Lavaux 35 P.O. Box 5  
CH-1009 Pully / Lausanne  
Switzerland

Scope:

Design and distribution of sterile surgical sutures, pacing wires, micro-surgical knives and non-sterile atraumatic needles for the area of surgery

Addendum expiry date: 22 February 2023

Addendum effective date: 22 February 2020



# EC DESIGN-EXAMINATION CERTIFICATE

Number: 2194636DE01

**Directive 93/42/EEC on Medical devices, Annex II (4)**  
(Devices in Class III)

Manufacturer:

**Assut Medical Sàrl**  
Avenue de Rochettaz 57  
1009 Pully  
Switzerland

For the product

**Non-absorbable surgical sutures**

Documents, that form the basis of this certificate:

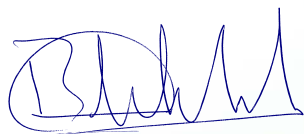
**Certification Notice 2194636CN, initially dated 20 September 2016**  
**CE Marking of Conformity 2194636CE01**  
**Addendum, initially dated 23 September 2016**

DEKRA hereby declares that the design of the product(s) falling within the product category mentioned above, fulfils the relevant provisions of 'Besluit Medische Hulpmiddelen', the Dutch transposition of the Council Directive 93/42/EEC of June 14, 1993 concerning Medical devices, including all subsequent amendments, based on an examination in accordance with Annex II (4) of this Directive. The manufacturer has implemented a quality assurance system for the above mentioned product category in accordance to the provisions of Annex II (4) of Council Directive 93/42/EEC of June 14, 1993 and is subject to periodical surveillance.

The necessary information and the reference to the relevant documentation, of the products concerned and the examinations and assessments performed, are stated in the Certification Notice which forms an integrative part of this certificate.

This certificate is valid until: 22 February 2023  
Issued for the first time: 23 September 2016  
Reissued: 22 February 2018

DEKRA Certification B.V.

A blue ink signature of B.T.M. Holtus, consisting of stylized, overlapping loops and lines.

B.T.M. Holtus  
Managing Director

A blue ink signature of J.A. van Vugt, featuring a large, sweeping initial 'J' followed by a series of connected loops.

J.A. van Vugt  
Certification Manager

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DEKRA Certification B.V. is Notified Body with ID no 0344

DEKRA Certification B.V. Meander 1051, 6825 MJ Arnhem P.O. Box 5185, 6802 ED Arnhem, The Netherlands  
T +31 88 96 83000 F +31 88 96 83100 www.dekra-certification.com Company registration 09085396



# ADDENDUM

Belonging to certificate: 2194636DE01

1/1

## EC DESIGN-EXAMINATION MEDICAL DEVICES

Non-absorbable surgical sutures

Issued to:

**Assut Medical Sàrl**  
Avenue de Rochettaz 57  
1009 Pully  
Switzerland

This certificate covers the following product(s):

Astralen (Polyester) with or without pledgets

Nylon (Polyamide)

Polypropylene

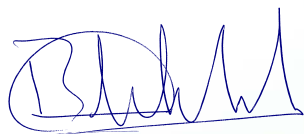
Silk

PTFE Pledgets

Initial date: 23 September 2016

Revision date: 4 April 2019

DEKRA Certification B.V.

A blue ink signature of B.T.M. Holtus, the Managing Director of DEKRA Certification B.V.

B.T.M. Holtus  
Managing Director

A blue ink signature of J.A. van Vugt, the Certification Manager of DEKRA Certification B.V.

J.A. van Vugt  
Certification Manager

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# EC DESIGN-EXAMINATION CERTIFICATE

Number: 2194636DE03

**Directive 93/42/EEC on Medical devices, Annex II (4)**  
(Devices in Class III)

Manufacturer:

**Assut Medical Sàrl**  
Avenue de Rochettaz 57  
1009 Pully  
Switzerland

For the product

**Absorbable surgical sutures**

Documents, that form the basis of this certificate:

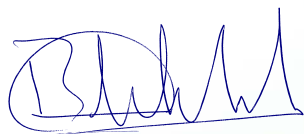
**Certification Notice 2194636CN, initially dated 20 September 2016**  
**CE Marking of Conformity 2194636CE03**  
**Addendum, initially dated 23 September 2016**

DEKRA hereby declares that the design of the product(s) falling within the product category mentioned above, fulfils the relevant provisions of 'Besluit Medische Hulpmiddelen', the Dutch transposition of the Council Directive 93/42/EEC of June 14, 1993 concerning Medical devices, including all subsequent amendments, based on an examination in accordance with Annex II (4) of this Directive. The manufacturer has implemented a quality assurance system for the above mentioned product category in accordance to the provisions of Annex II (4) of Council Directive 93/42/EEC of June 14, 1993 and is subject to periodical surveillance.

The necessary information and the reference to the relevant documentation, of the products concerned and the examinations and assessments performed, are stated in the Certification Notice which forms an integrative part of this certificate.

This certificate is valid until: 12 December 2022  
Issued for the first time: 23 September 2016  
Reissued: 12 December 2017

DEKRA Certification B.V.



B.T.M. Holtus  
Managing Director



J.A. van Vugt  
Certification Manager

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# ADDENDUM

Belonging to certificate: 2194636DE03

1/1

## EC DESIGN-EXAMINATION MEDICAL DEVICES

Absorbable surgical sutures

Issued to:

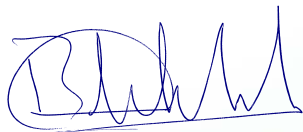
**Assut Medical Sàrl**  
**Avenue de Rochettaz 57**  
**1009 Pully**  
**Switzerland**

This certificate covers the following product(s):

- AssuCryl® MonoSlow (PDO)
- AssuCryl® Lactin (PGLA)
- AssuCryl® (PGA)
- AssuCryl® Rapid (PGA)
- AssuCryl® MonoRapid (PGCL)

Initial date: 23 September 2016  
Revision date: 4 April 2019

DEKRA Certification B.V.

A blue ink signature of B.T.M. Holtus, consisting of a stylized, cursive script.

B.T.M. Holtus  
Managing Director

A blue ink signature of J.A. van Vugt, consisting of a stylized, cursive script.

J.A. van Vugt  
Certification Manager

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# EC CERTIFICATE

Number: 2194636CE01

## Full Quality Assurance System

**Directive 93/42/EEC on Medical devices, Annex II excluding (4)**

(Devices in Class IIa, IIb or III)

Manufacturer:

**Assut Medical Sàrl**

**Avenue de Rochettaz 57**

**1009 Pully**

**Switzerland**

For the product category(ies)

**Non-absorbable surgical sutures**

DEKRA grants the right to use the EC Notified Body Identification Number illustrated below to accompany the CE Marking of Conformity on the products concerned conforming to the required Technical Documentation and meeting the provisions of the EC-Directive which apply to them:

# 0344

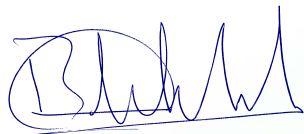
Documents, that form the basis of this certificate:

**Certification Notice 2194636CN, initially dated 20 September 2016**  
**Addendum, initially dated 23 September 2016**

DEKRA hereby declares that the above mentioned manufacturer fulfils the relevant provisions of 'Besluit Medische Hulpmiddelen', the Dutch transposition of the Council Directive 93/42/EEC of June 14, 1993 concerning Medical devices, including all subsequent amendments. The manufacturer has implemented a quality assurance system for design, manufacture and final inspection for the above mentioned product category in accordance to the provisions of Annex II of Council Directive 93/42/EEC of June 14, 1993 and is subject to periodical surveillance. For placing on the market of Class III devices an additional EC design examination certificate according to Annex II (4) is mandatory. The necessary information related to the quality management system of the manufacturer, including facilities and the reference to the relevant documentation, of the products concerned and the assessments performed, are stated in the Certification Notice which forms an integrative part of this certificate.

This certificate is valid until: 12 December 2022  
Issued for the first time: 23 September 2016  
Reissued: 12 December 2017

DEKRA Certification B.V.



B.T.M. Holtus  
Managing Director



J.A. van Vugt  
Certification Manager

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# ADDENDUM

Belonging to certificate: 2194636CE01

1/1

## CE MARKING OF CONFORMITY MEDICAL DEVICES

Non-absorbable surgical sutures

Issued to:

**Assut Medical Sàrl**  
**Avenue de Rochettaz 57**  
**1009 Pully**  
**Switzerland**

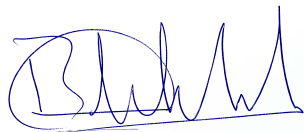
This certificate covers the following product(s):

- Astralen (Polyester) with or without pledgets – Class III
- Nylon (Polyamide) – Class III
- Polypropylene – Class III
- Silk – Class III
- PTFE Pledgets – Class III
- Supramid (Polyamide) – Class IIa
- Surgical Steel – Class IIb
- Astralen/Polyester Tape – Class IIb
- AssuTopFiber® (UHMWPE) – Class IIb, Rule 8

Initial date: 23 September 2016

Revision date: 4 April 2019

DEKRA Certification B.V.

A blue ink signature of B.T.M. Holtus, consisting of stylized, overlapping loops and lines.

B.T.M. Holtus  
Managing Director

A blue ink signature of J.A. van Vugt, featuring a large, flowing 'J' and 'V'.

J.A. van Vugt  
Certification Manager

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# EC CERTIFICATE

Number: 2194636CE03

## Full Quality Assurance System

**Directive 93/42/EEC on Medical devices, Annex II excluding (4)**

(Devices in Class IIa, IIb or III)

Manufacturer:

**Assut Medical Sàrl**

**Avenue de Rochettaz 57**

**1009 Pully**

**Switzerland**

For the product category(ies)

**Absorbable surgical sutures**

DEKRA grants the right to use the EC Notified Body Identification Number illustrated below to accompany the CE Marking of Conformity on the products concerned conforming to the required Technical Documentation and meeting the provisions of the EC-Directive which apply to them:

# 0344

Documents, that form the basis of this certificate:

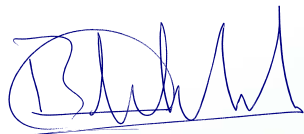
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**Addendum, initially dated 23 September 2016**

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# ADDENDUM

Belonging to certificate: 2194636CE03

1/1

## CE MARKING OF CONFORMITY MEDICAL DEVICES

Absorbable surgical sutures

Issued to:

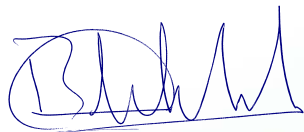
**Assut Medical Sàrl**  
**Avenue de Rochettaz 57**  
**1009 Pully**  
**Switzerland**

This certificate covers the following product(s):

- AssuCryl® MonoSlow (PDO)
- AssuCryl® Lactin (PGLA)
- AssuCryl® (PGA)
- AssuCryl® Rapid (PGA)
- AssuCryl® MonoRapid (PGCL)

Initial date: 23 September 2016  
Revision date: 4 April 2019

DEKRA Certification B.V.

A blue ink signature of B.T.M. Holtus, consisting of a stylized, cursive script.

B.T.M. Holtus  
Managing Director

A blue ink signature of J.A. van Vugt, consisting of a stylized, cursive script.

J.A. van Vugt  
Certification Manager

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The background features a light purple and white grid pattern. A large, curved, metallic needle is positioned horizontally across the middle. A blue braided suture thread is shown in a large loop on the right side, and another blue braided suture thread is at the bottom, curving from left to right. The text is centered and uses a mix of red and black colors.

**Assut sutures**

of Switzerland

**STERILE  
SURGICAL  
SUTURES  
CATALOGUE**

CATALOGUE SUTURES CHIRURGICALES STÉRILES  
STERILES CHIRURGISCHES NAHTMATERIAL KATALOG

**At the service of surgery**

Au service de la chirurgie  
*Im Dienste der Chirurgie*

**[www.assutsutures.com](http://www.assutsutures.com)**



# About us

## What we do

Assut Medical develops, manufactures and markets sterile surgical sutures and micro-surgical knives. Among the few suture companies in the world to do so, Assut Medical has for decades produced its own atraumatic surgical needles and sutures with its own machines and equipments designed and built internally to its own specific standards.

The Assut Medical group of companies employs over 150 people and is constantly on alert to satisfy daily challenging needs in the surgical and medical field around the world with their dedicated and enthusiastic staff and employees.

The way our products are shown and described hereafter will make it easy for you to choose and order your sutures. Our company is certified EN ISO 13485 and all our sutures and knives are CE-marked.

## We have a history

### Over 55 years of experience

Our sterile surgical sutures have been produced in Switzerland since 1962 when Mr. Willy Baerfuss and his associates Dr. Jean-Michel Junod, Surgeon FMH and Louis Chassot, Pharmacist founded the company Sutramed Sàrl in the watch/precision industry region of Switzerland.

In 1996, after a re-organization, the company became Assut Medical with headquarters in Pully-Lausanne.

Heading toward the third generation, increased activities in marketing, R&D and product innovation with a renewed technical team give the assurance of a constant and modern upgrading of service to the surgical field worldwide.

Assut Medical Sàrl  
AT THE SERVICE OF SURGERY



**Assut sutures**  
of Switzerland



## Qui sommes-nous?

### Notre activité

Assut Medical développe, fabrique et commercialise des sutures chirurgicales stériles et des bistouris de micro-chirurgie. Parmi les quelques fabricants de sutures au monde spécialisés dans ce secteur, Assut Medical produit depuis des décennies ses propres aiguilles chirurgicales atraumatiques et ses sutures. Son parc de machines et ses équipements sont conçus et fabriqués en interne pour répondre à des normes spécifiques de précision.

Le groupe Assut Medical emploie plus de 150 personnes. Une équipe enthousiaste et dévouée dont le principal objectif est d'aider les médecins et chirurgiens à relever jour après jour les défis auxquels ils sont confrontés lors de leurs interventions chirurgicales.

La présentation et la description de nos produits dans ce catalogue facilitera votre choix et commande de sutures. Notre entreprise est certifiée EN ISO 13485 et toutes nos sutures ainsi que nos bistouris ont le marquage CE.

## Notre histoire

### Plus de 55 ans d'expérience

Nos sutures chirurgicales stériles sont produites en Suisse depuis 1962. Cette année-là, M. Willy Baerfuss fonde avec ses associés, le Dr Jean-Michel Junod, chirurgien FMH, et Louis Chassot, pharmacien, la société Sutramed Sàrl dans la région de l'industrie horlogère/de précision.

En 1996, après une réorganisation, la société devient Assut Medical et installe son siège social à Pully-Lausanne.

Dirigée actuellement par la troisième génération et grâce à des activités renforcées en marketing, R&D et innovation et à une équipe technique renouvelée, Assut Medical offre des solutions de pointe parfaitement adaptées aux besoins des chirurgiens du monde entier.

Assut Medical Sàrl  
AU SERVICE DE LA CHIRURGIE

## Wer sind wir?

### Was wir tun

Assut Medical entwickelt, produziert und vermarktet steriles chirurgisches Nahtmaterial und mikrochirurgische Messer. In diesem Bereich, in dem nur wenige Unternehmen tätig sind, produziert Assut Medical seit Jahrzehnten eigene atraumatische chirurgische Nadeln und Nahtmaterial mit selbst entwickelten und nach strengen unternehmenseigenen Standards gebauten Maschinen und Anlagen.

Die Unternehmensgruppe Assut Medical beschäftigt über 150 engagierte Mitarbeiter und verfolgt Tag für Tag das Ziel, Lösungen für die weltweiten Herausforderungen in Chirurgie und Medizin zu finden.

Die nachfolgende Präsentation und Beschreibung unserer Produkte soll Ihnen die Auswahl und Bestellung von Nahtmaterial erleichtern. Unser Unternehmen ist nach EN ISO 13485 zertifiziert und sowohl unser Nahtmaterial als auch unsere mikrochirurgischen Messer tragen das CE-Kennzeichen.

## Unsere Geschichte

### Mehr als 55 Jahre Erfahrung

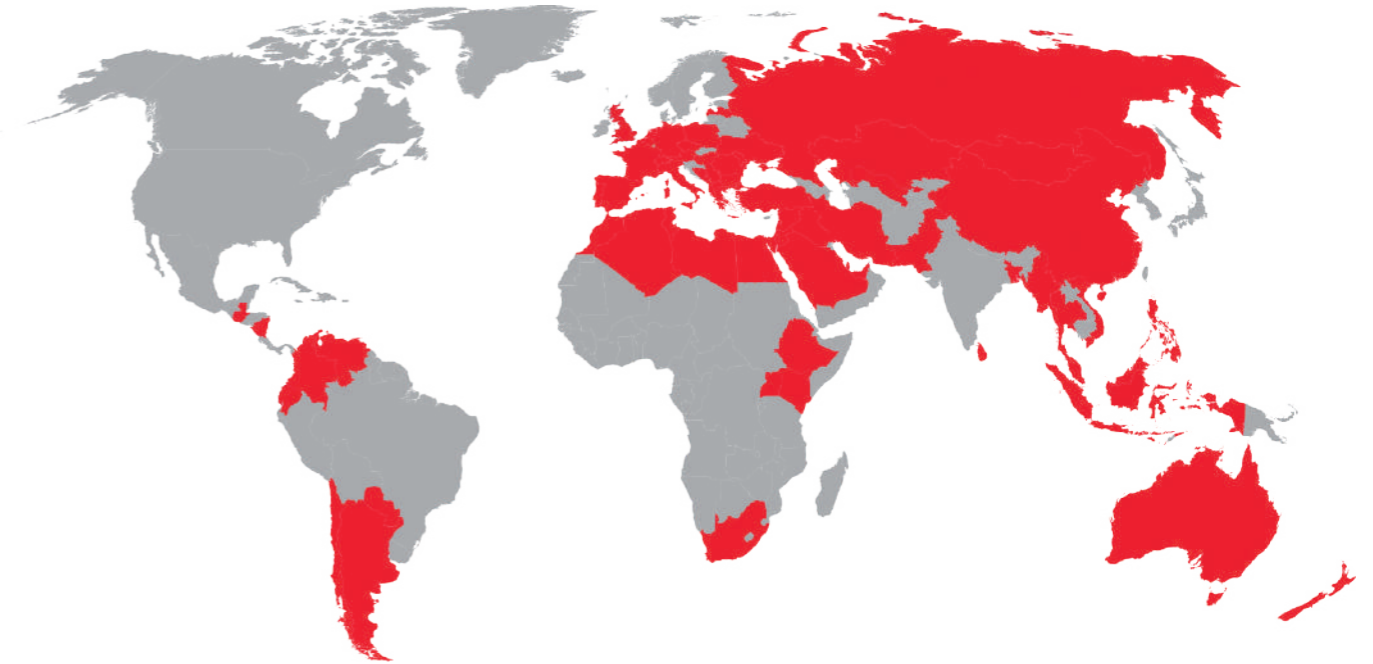
Unser steriles chirurgisches Nahtmaterial wird seit 1962 in der Schweiz produziert. In diesem Jahr gründeten Willy Baerfuss mit seinen Partnern, Dr. Jean-Michel Junod, Chirurg FMH, und Louis Chassot, Apotheker, das Unternehmen Sutramed Sàrl in der Schweizer Region der Uhrmacher und Präzisionsindustrie.

Im Jahr 1996 wurde das Unternehmen nach einer Neuorganisation zu Assut Medical mit Hauptsitz in Pully-Lausanne.

Jetzt führt die dritte Generation das Unternehmen. Verstärkte Marketingaktivitäten, Forschung und Entwicklung sowie Produktinnovationen mit einem erneuerten Team gewährleisten eine fortlaufende Anpassung an die Bedürfnisse der modernen Chirurgie.

Assut Medical Sàrl  
IM DIENSTE DER CHIRURGIE

## Worldwide presence Présence internationale - *Weltweit präsent*



**Assut sutures**  
of Switzerland

**We are an international company**  
Nous sommes une entreprise internationale  
*Wir sind ein internationales Unternehmen*



# Contents

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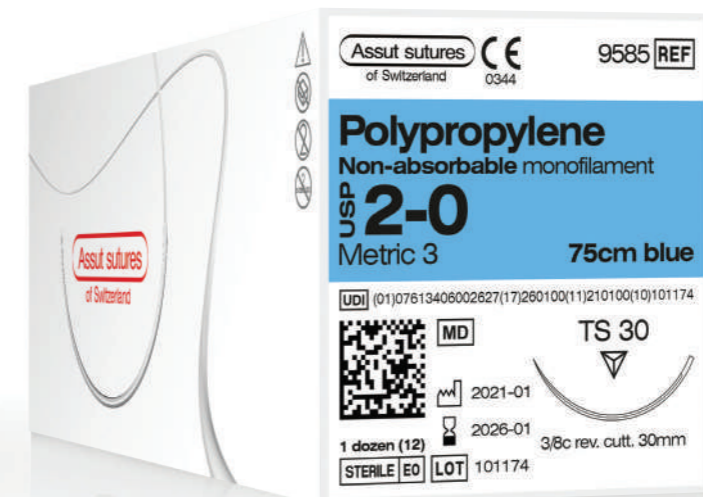
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## Box of 1 dozen

### Boîte de 1 douzaine

### Schachtel zu 1 Dutzend



## Box of 3 dozen

### Boîte de 3 douzaines

### Schachtel zu 3 Dutzend





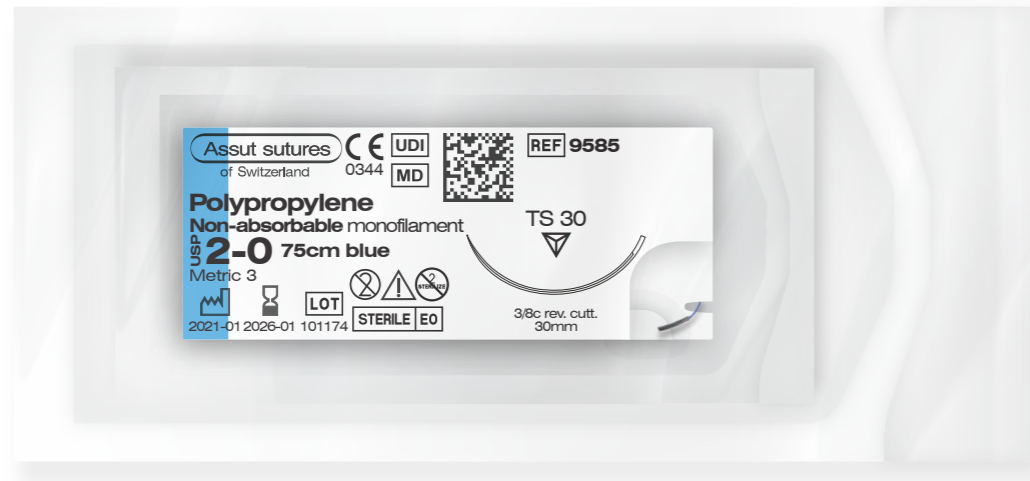
# Suture package

Emballage de sutures  
Nahtmaterial-Verpackung

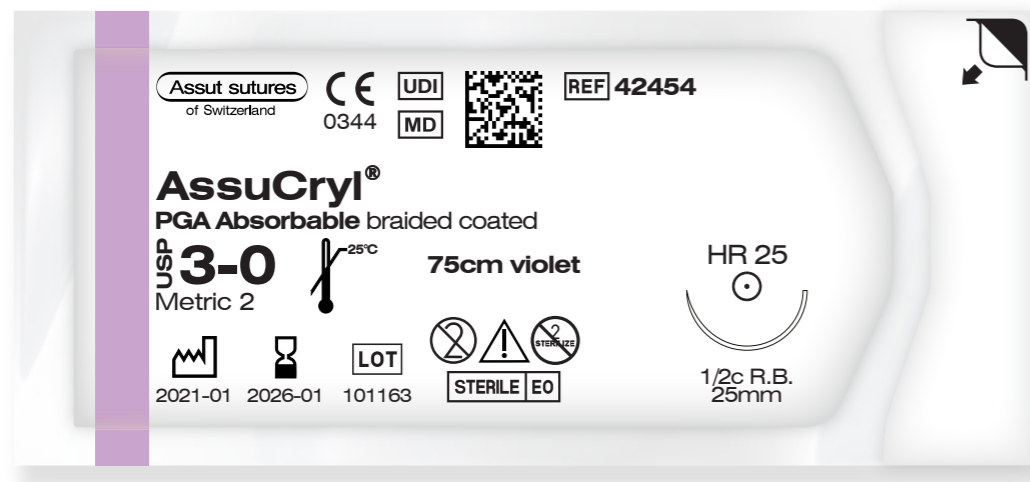
# Suture Materials and Colour Codes

Matériel de suture et codes couleurs  
Nahtmaterialien und Farbkennzeichnungen

Non-absorbable | Non-résorbable | Nicht resorbierbar



Absorbable | Résorbable | Resorbierbar



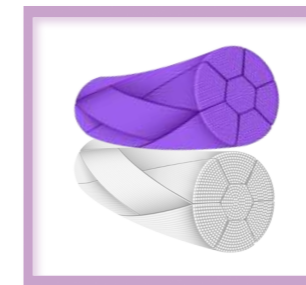
Absorbable | Résorbable | Resorbierbar



**EN. AssuCryl®**  
Polyglycolic acid (PGA)  
Braided, coated, synthetic, absorbable.  
Predictable absorption time.  
High initial tensile strength.  
Easy and secure knotting.  
Excellent knot sliding and smooth to handle.  
Violet or undyed.  
Absorption essentially complete between 60 to 90 days.

**FR. AssuCryl®**  
Acide polyglycolique (PGA)  
Tressé, enduit, synthétique, résorbable.  
Durée prévisible de résorption.  
Résistance initiale à la traction élevée.  
Réalisation facile et fiable d'un nœud.  
Manipulation aisée.  
Violet ou incolore.  
Résorption généralement complète au bout de 60 à 90 jours.

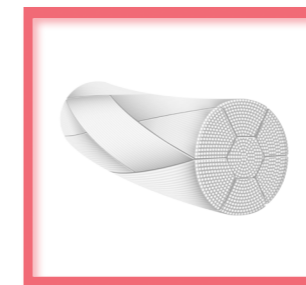
**DE. AssuCryl®**  
Polyglykolsäure (PGA)  
Geflochten, beschichtet, synthetisch, resorbierbar.  
Vorhersagbare Resorptionszeit.  
Hohe Ausgangszugfestigkeit.  
Einfaches und sicheres Verknoten.  
Hervorragende Verschiebbarkeit des Knotens und leichte Handhabung.  
Violett oder ungefärbt.  
In der Regel vollständige Resorption nach 60 bis 90 Tagen.



**EN. AssuCryl® Lactin**  
Polyglactin (PGLA)  
Braided, coated, synthetic, absorbable.  
Predictable absorption time.  
High initial tensile strength.  
Easy and secure knotting.  
Excellent knot sliding and smooth to handle.  
Violet or undyed.  
Absorption essentially complete between 56 to 70 days.

**FR. AssuCryl® Lactin**  
Polyglactine (PGLA)  
Tressé, enduit, synthétique, résorbable.  
Durée prévisible de résorption.  
Résistance initiale à la traction élevée.  
Réalisation facile et fiable d'un nœud.  
Manipulation aisée.  
Violet ou incolore.  
Résorption généralement complète au bout de 56 à 70 jours.

**DE. AssuCryl® Lactin**  
Polyglactin (PGLA)  
Geflochten, beschichtet, synthetisch, resorbierbar.  
Vorhersagbare Resorptionszeit.  
Hohe Ausgangszugfestigkeit.  
Einfaches und sicheres Verknoten.  
Hervorragende Verschiebbarkeit des Knotens und leichte Handhabung.  
Violett oder ungefärbt.  
In der Regel vollständige Resorption nach 56 bis 70 Tagen.



**EN. AssuCryl® Rapid**  
Polyglycolic acid (PGA)  
Braided, coated, synthetic, absorbable.  
Predictable shorter absorption time.  
High initial tensile strength.  
Easy and secure knotting.  
Excellent knot sliding and smooth to handle.  
Undyed only.  
Absorption essentially complete between 40 to 45 days.

**FR. AssuCryl® Rapid**  
Acide polyglycolique (PGA)  
Tressé, enduit, synthétique, résorbable.  
Durée prévisible de résorption plus courte.  
Résistance initiale à la traction élevée.  
Réalisation facile et fiable d'un nœud.  
Manipulation aisée.  
Incolore uniquement.  
Résorption généralement complète au bout de 40 à 45 jours.

**DE. AssuCryl® Rapid**  
Polyglykolsäure (PGA)  
Geflochten, beschichtet, synthetisch, resorbierbar.  
Vorhersagbare kürzere Resorptionszeit.  
Hohe Ausgangszugfestigkeit.  
Einfaches und sicheres Verknoten.  
Hervorragende Verschiebbarkeit des Knotens und leichte Handhabung.  
Nur ungefärbt erhältlich.  
In der Regel vollständige Resorption nach 40 bis 45 Tagen.



**EN. AssuCryl® MonoSlow**  
Polydioxanone (PDO)  
Monofilament, synthetic, absorbable.  
High initial tensile strength.  
Easy to handle and smooth passage through tissue.  
Violet only.  
Absorption essentially complete between 180 to 210 days.

**FR. AssuCryl® MonoSlow**  
Polydioxanone (PDO)  
Monofilament, synthétique, résorbable.  
Résistance initiale à la traction élevée.  
Manipulation aisée et passage en douceur dans les tissus.  
Violet uniquement.  
Résorption généralement complète au bout de 180 à 210 jours.

**DE. AssuCryl® MonoSlow**  
Polydioxanon (PDO)  
Monofilament, synthetisch, resorbierbar.  
Hohe Ausgangszugfestigkeit.  
Leichte Handhabung und leichter Gewebedurchgang.  
Nur violett erhältlich.  
In der Regel vollständige Resorption nach 180 bis 210 Tagen.



**EN. AssuCryl® MonoRapid**  
Poliglecaprone (PGCL)  
Monofilament, synthetic, absorbable.  
Predictable shorter absorption time.  
Easy to handle and smooth passage through tissue.  
Violet or undyed.  
Absorption essentially complete between 90 to 120 days.

**FR. AssuCryl® MonoRapid**  
Poliglécaprone (PGCL)  
Monofilament, synthétique, résorbable.  
Durée prévisible de résorption plus courte.  
Résistance initiale à la traction élevée.  
Manipulation aisée et passage en douceur dans les tissus.  
Violet ou incolore.  
Résorption généralement complète au bout de 90 à 120 jours.

**DE. AssuCryl® MonoRapid**  
Poliglecapron (PGCL)  
Monofilament, synthetisch, resorbierbar.  
Vorhersagbare kürzere Resorptionszeit.  
Hohe Ausgangszugfestigkeit.  
Leichte Handhabung und leichter Gewebedurchgang.  
Violett oder ungefärbt.  
In der Regel vollständige Resorption nach 90 bis 120 Tagen.



# Suture Materials and Colour Codes

## Matériel de suture et codes couleurs

### Nahtmaterialien und Farbkennzeichnungen

Non-absorbable | Non-résorbable | Nicht resorbierbar



#### EN. Astralen® / Polyester

Polyester, braided and coated. Improved tensile strength and knot security. A modern braiding technique gives the strand a smooth and uniform surface that minimizes the trauma. Green or white.

#### FR. Astralen® / Polyester

Polyester, tressé et enduit. Résistance accrue à la traction et fiabilité des nœuds. Une technique de tressage moderne confère au filament une surface lisse et régulière qui minimise le traumatisme. Vert ou blanc.

#### DE. Astralen® / Polyester

Polyester, geflochten und beschichtet. Verbesserte Zugfestigkeit und Knotensicherheit. Ein modernes Flechtverfahren verleiht dem Faden eine glatte und gleichmässige Oberfläche für eine minimale Traumatisierung. Grün oder weiss.



#### EN. Silk

Braided on twisted core for greater tensile strength. The coating and a new braiding technique render the silk uniform and smooth to facilitate its handling. Black or blue virgin for ophthalmology.

#### FR. Soie

Tressé sur un noyau torsadé pour une résistance accrue à la traction. L'enduit et une nouvelle technique de tressage confèrent à la soie une surface lisse et régulière qui facilite sa manipulation. Noire ou bleue vierge pour l'ophtalmologie.

#### DE. Seide

Geflochten auf einem gezwirnten Kern für eine erhöhte Zugfestigkeit. Die Beschichtung und ein neues Flechtverfahren verleihen der Seide eine gleichmässige Oberfläche und erleichtern die Handhabung. Schwarz oder blaue Naturseide für Ophthalmologie.



#### EN. Polypropylene

Monofilament. Flexible and excellent knot security. Extremely well tolerated. Its smooth and uniform surface allows easy passage through tissue with minimum trauma. Blue or clear.

#### FR. Polypropylène

Monofilament. Flexible et sécurité de noeud optimale. Extrêmement bien toléré. Sa surface lisse et régulière permet le passage aisé dans les tissus avec un minimum de traumatisme. Bleu ou transparent.

#### DE. Polypropylen

Monofilament. Flexibel und hervorragende Knotensicherheit. Äusserst gut verträglich. Seine glatte und gleichmässige Oberfläche erlaubt einen problemlosen Gewebedurchgang mit minimaler Traumatisierung. Blau oder transparent.



#### EN. Nylon

Polyamide, monofilament. High tensile strength. Extremely well tolerated. Its smooth and uniform surface allows easy passage through tissue with minimum trauma. Blue or black.

#### FR. Nylon

Polyamide, monofilament. Résistance à la traction élevée. Extrêmement bien toléré. Sa surface lisse et régulière permet le passage aisé dans les tissus avec un minimum de traumatisme. Bleu ou noir.

#### DE. Nylon

Polyamid, Monofilament. Hohe Zugfestigkeit. Äusserst gut verträglich. Seine glatte und gleichmässige Oberfläche erlaubt einen problemlosen Gewebedurchgang mit minimaler Traumatisierung. Blau oder schwarz.



#### EN. Supramid

Polyamide, pseudo-monofilament with supersoft core. Monofilament in USP 6-0 and 5-0. Superior flexibility and knot security. Extremely well tolerated. Black only.

#### FR. Supramid

Polyamide, pseudo-monofilament avec un noyau très souple. Monofilament en USP 6-0 et 5-0. Flexibilité et qualité de noeud supérieure. Extrêmement bien toléré. Noir uniquement.

#### DE. Supramid

Polyamid, Pseudo-Monofilament mit superweichem Kern. Monofilament in USP 6-0 und 5-0. Hervorragende Elastizität und Knotensicherheit. Äusserst gut verträglich. Nur schwarz erhältlich.

# Suture Materials and Colour Codes

## Matériel de suture et codes couleurs

### Nahtmaterialien und Farbkennzeichnungen

Non-absorbable | Non-résorbable | Nicht resorbierbar



#### EN. AssuTopFiber®

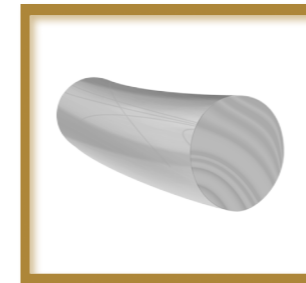
Ultra high molecular weight polyethylene (UHMWPE) undyed, co-braided with dyed or undyed polyester. Uncoated. Outstanding tensile strength. Excellent knot security. Easy and smooth to handle. White or green and bi-color white/blue or white/green for an easier identification.

#### FR. AssuTopFiber®

Polyéthylène de masse moléculaire ultra élevée (UHMWPE) incolore, co-tressé avec du polyester teinté ou incolore. Non enduit. Extrême résistance à la traction. Sécurité de nœud optimale. Manipulation aisée. Blanc ou vert et bicolor blanc/bleu ou blanc/vert pour une meilleure identification.

#### DE. AssuTopFiber®

Ultrahochmolekulares Polyethylen (UHMWPE) ungefärbt, zusammen mit gefärbtem oder ungefärbtem Polyester geflochten. Unbeschichtet. Extreme Zugfestigkeit. Hervorragende Knotensicherheit. Leichte Handhabung. Weiss oder grün und zweifarbig weiss/blau oder weiss/grün zur besseren Identifizierung.



#### EN. Surgical Steel

Stainless steel, monofilament. Very high tensile strength. Excellent knot security. This strand causes minimum tissue reaction. Natural steel color.

#### FR. Acier chirurgical

Acier inoxydable, monofilament. Très grande résistance à la traction. Sécurité de nœud optimale. Ce filament réduit au maximum la réaction des tissus. Couleur naturelle d'acier.

#### DE. Chirurgischer Stahl

Edelstahl, Monofilament. Hohe Zugfestigkeit. Hervorragende Knotensicherheit. Der Draht verursacht nur eine sehr geringe Gewebereaktion. Natürliche Stahlfarbe.

## Specialties | Spécialités | Spezialprodukte



#### EN. Temporary Cardiac Pacing Wire

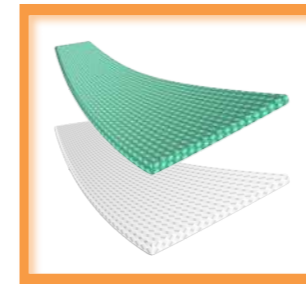
Monopolar temporary cardiac pacing wire made of multifilament surgical stainless steel, with blue, black or white/grey coloured polyethylene insulation. Very flexible. Easy to handle.

#### FR. Electrode de Stimulation Cardiaque Temporaire

Electrode de stimulation cardiaque temporaire en fil d'acier chirurgical, multifilament avec isolation en polyéthylène de couleur bleu, noir ou blanc/gris. Très flexible. Manipulation aisée.

#### DE. Temporär Herzschrittmacher

Monopolare temporäre Herzelektrode aus chirurgischem Multifilamentstahldraht mit blau, schwarz oder weiss / grau gefärbter Polyethylen Isolierung. Sehr flexibel. Leichte Handhabung.



#### EN. Astralen® / Polyester Tape

Polyester Tape. Flexible and excellent knot security. Easy to handle. Green or white.

#### FR. Astralen® / Polyester Ruban

Ruban de polyester. Flexible et sécurité du noeud optimale. Manipulation aisée. Vert ou blanc.

#### DE. Astralen® / Polyester Band

Polyesterband. Flexibel und hervorragende Knotensicherheit. Leichte Handhabung. Grün oder weiss.



#### EN. PTFE Pledgets

Polytetrafluorethylene (PTFE) polymers fibers. Pre-punched. Various sizes and shapes including oval, round and rectangular. Undyed.

#### FR. PTFE Pledgets

Fibres de polymères de polytétrafluoréthylène (PTFE). Pré-perforés. Différentes tailles et formes, notamment ovales, rondes et rectangulaires. Incolore.

#### DE. PTFE Pledgets

Polytetrafluorethylen-Polymerfasern (PTFE). Vorgestanzt. Verschiedene Größe und Forme, darunter oval, rund und rechteckig. Ungefärbt.



# Information on labelling

## Informations sur l'étiquetage

### Informationen zur Beschriftung

**Symbols**  
Symboles - Symbole

**Meaning**  
Signification - Bedeutung



**Do not re-use. Disposable product**  
Ne pas réutiliser. Produit à usage unique  
Nicht Wiederverwenden. Einwegprodukt



**Do not use if package is damaged**  
Ne pas utiliser si l'emballage est endommagé  
Nicht verwenden, wenn Verpackung beschädigt ist



**Do not re-sterilize**  
Ne pas restériliser  
Nicht reesterilisieren



**Consult instructions for use**  
Consulter le mode d'emploi  
Gebrauchsanweisung beachten



**Consult instructions for use**  
Consulter le mode d'emploi  
Gebrauchsanweisung beachten



**Date of manufacture**  
Date de fabrication  
Herstellungsdatum



**Manufacturer**  
Fabricant  
Hersteller



**Use by date**  
A utiliser avant  
Verwendbar bis



**Upper limit of temperature (storage)**  
Température maximale (stockage)  
Oberer Temperaturgrenzwert (Lagerung)



**CE Mark of the Notified Body**  
Marquage CE de l'Organisme Notifié  
CE-Zeichen der Benannten Stelle



**Needle not to scale**  
Aiguille pas à l'échelle  
Nadel nicht maßstabsgerecht

# Information on labelling

## Informations sur l'étiquetage

### Informationen zur Beschriftung

**Symbols**  
Symboles - Symbole

**Meaning**  
Signification - Bedeutung



**Sterilized using ethylene oxide**  
Stérilisé à l'oxyde d'éthylène  
Sterilisiert mit Ethylenoxid



**Sterilized using irradiation**  
Stérilisé par irradiation  
Sterilisiert durch Bestrahlung



**Open here**  
Ouvrir ici  
Hier öffnen



**Batch code**  
Numéro de lot  
Chargenbezeichnung



**Catalogue number**  
Référence catalogue  
Katalognummer



**Medical Device**  
Dispositif Médical  
Medizinprodukt



**Unique Device Identification**  
Identification unique du dispositif  
Eindeutige Produktkennzeichnung



**DataMatrix barcode**  
Code-barre DataMatrix  
DataMatrix Barcode



**United States Pharmacopeia**  
Pharmacopée des Etats-Unis  
United States Pharmacopeia



**European Pharmacopeia**  
Pharmacopée européenne  
Europäisches Arzneibuch



**European Authorized Representative**  
Représentant autorisé en Europe  
Bevollmächtigter in der Europäischen Union



# Information on product REF

Indications relatives aux numéros de produits  
Informationen zur Produktnummer

## EN.

Each Assut product has a REF (Prod. No.) with either 1, 2, 3, 4 or more digits. The prefix letter(s) followed by number(s) or suffix letter(s) refer to the information below.

## FR.

Chaque produit Assut a une REF (Prod.No.) avec 1, 2, 3, 4 ou plus de chiffres. La/les lettre(s) en préfixe suivie(s) de nombre(s) ou la/les lettre(s) en suffixe se réfèrent aux informations ci-dessous.

## DE.

Jedes Assut Produkt hat eine Produktnummer (Prod. Nr.), die entweder aus 1, 2, 3, 4 oder mehr Zahlen besteht. Präfix-Buchstabe(n) gefolgt von Zahlen oder Suffix-Buchstabe(n), falls vorhanden, beziehen sich auf die unten angeführten Informationen.

## Prefix

Préfixe - Präfix

<b>ACL</b>	AssuCryl® (PGA)	<b>NY</b>	Nylon
<b>ACLL // L</b>	AssuCryl® Lactin (PGLA)	<b>SUP</b>	Supramid
<b>ACLMS // MS</b>	AssuCryl® MonoSlow (PDO)	<b>ATF // PE</b>	AssuTopFiber® (UHMWPE)
<b>ACLMR // MR</b>	AssuCryl® MonoRapid (PGCL)	<b>SST</b>	Surgical Steel
<b>ACLR // R</b>	AssuCryl® Rapid (PGA)	<b>PW</b>	Temporary Cardiac Pacing Wire
<b>AST</b>	Astralen®/Polyester	<b>AT</b>	Astralen Tape
<b>SI</b>	Silk - Soie - Seide	<b>PLED</b>	PTFE Pledgets
<b>PPN</b>	Polypropylene - Polypropylène Polypropylen	<b>B</b>	Reel - Bobine - Spule

## Suffix

Suffixe - Suffix

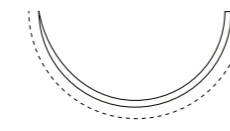
Thread length Longueur du fil - Fadenlänge	Thread color Couleur du fil - Farbe des Fadens	Needle type Type d'aiguille - Nadelsorte
<b>FTE</b> 15 cm	<b>White (or undyed)</b> <b>W</b> Blanc (ou non teinté) Weiss (oder ungefärbt)	<b>Conventional cutting</b> <b>-CC</b> Tranchante conventionnelle Konventionell schneidend
<b>TWE</b> 20 cm	<b>Black</b> <b>B</b> Noir Schwarz	<b>Slim</b> <b>-SL</b> Fine Fein
<b>TH</b> 30 cm	<b>Green (special combination)</b> <b>G</b> Vert (combinaison spéciale) Grün (spezielle Kombination)	<b>Anti-reflective/black</b> <b>-AR</b> Anti-reflet/noire Nicht reflektierend/schwarz
<b>THF</b> 35 cm	<b>Thread characteristics</b> Caractéristiques du fil Besonderheiten des Fadens	
<b>TE</b> 38 cm	<b>No loop</b> <b>-NL</b> Pas de boucle Keine Schlinge	
<b>F</b> 45 cm	<b>Loop</b> <b>-Loop</b> Boucle Schlinge	
<b>FT</b> 50 cm	<b>Special coating PTFE</b> <b>-PTFE</b> Enduit spécial PTFE Spezielle Beschichtung PTFE	
<b>S</b> 60 cm		
<b>ST</b> 70 cm		
75 cm		
<b>E</b> 80 cm		
<b>N</b> 90 cm		
<b>H</b> 100 cm		
<b>HT</b> 120 cm		
<b>HTF</b> 135 cm		
<b>HF</b> 150 cm		
<b>HS</b> 160 cm		
<b>HE</b> 180 cm		
<b>T</b> 200 cm		
<b>TTW</b> 220 cm		
<b>TF</b> 240 cm		

# Needle shape and cross-section

Forme d'aiguille et coupe transversale  
Nadelform und Querschnitt

## HRG 40

H=1/2 circle, R=Round-bodied, G=heavy, 40mm  
H=1/2 cercle, R=Corps rond, G=renforcée, 40mm  
H=1/2 Kreis, R=Rundkörper, G=stark, 40mm



40mm

## TS 60

T=3/8 circle, S=Reverse cutting, 60mm  
T=3/8 cercle, S=Tranchante, 60mm  
T=3/8 Kreis, S=Schneidend, 60mm



60mm

## EN. Needle codes

The shape, cross-section and length of needles are given by the needle codes, for example TS 60. The first letter refers to the shape of the needle, the second to the cross-section. The number stands for the needle length along the body (mm).

## FR. Code aiguilles

La forme, la coupe transversale et la longueur des aiguilles sont indiquées par les codes aiguilles, par exemple TS 60. La première lettre se réfère à la forme de l'aiguille, la deuxième à la coupe transversale. Le nombre se réfère à la longueur de l'aiguille (mm).

## DE. Nadel-Code

Die Form, der Querschnitt und die Länge der Nadeln sind durch den Nadel-Code, zum Beispiel TS 60, angegeben. Der erste Buchstabe bezieht sich auf die Form der Nadel, der zweite auf den Querschnitt. Die Zahl bezieht sich auf die Länge der Nadel (mm).

## Round-bodied (taper)

Corps rond  
Rundkörper



## Reverse cutting

Tranchante  
Schneidend



## Conventional cutting

Tranchante conventionnelle  
Konventionell schneidend



## Cutting taper

Corps rond, tranchante  
Rundkörper, schneidend



## Spatula

Spatulée  
Spatula



## Blunt point

















Corps rond, pointe émoussée  
Rundkörper, stumpfe Spitze



















# Needle shape and cross-section

Forme d'aiguille et coupe transversale  
Nadelform und Querschnitt

Needle Code Code aiguille Nadel-Code	Needle Shape Forme de l'aiguille Nadelform	Cross-section Coupe transversale Querschnitt	Symbols Symboles Symbole	
HR	H $\frac{1}{2}$ circle $\frac{1}{2}$ cercle $\frac{1}{2}$ Kreis	R <b>Round-bodied (taper)</b> Corps rond Rundkörper		
HRG	H $\frac{1}{2}$ circle $\frac{1}{2}$ cercle $\frac{1}{2}$ Kreis	R <b>Round-bodied (taper)</b> Corps rond Rundkörper	G <b>heavy</b> renforcée stark	
HRM	H $\frac{1}{2}$ circle $\frac{1}{2}$ cercle $\frac{1}{2}$ Kreis	R <b>Round-bodied (taper)</b> Corps rond Rundkörper	M <b>micropoint</b> micropointe Mikrospitze	
HS	H $\frac{1}{2}$ circle $\frac{1}{2}$ cercle $\frac{1}{2}$ Kreis	S <b>Reverse cutting</b> Tranchante Schneidend		
HSG	H $\frac{1}{2}$ circle $\frac{1}{2}$ cercle $\frac{1}{2}$ Kreis	S <b>Reverse cutting</b> Tranchante Schneidend	G <b>heavy</b> renforcée stark	
HSP	H $\frac{1}{2}$ circle $\frac{1}{2}$ cercle $\frac{1}{2}$ Kreis	SP <b>Spatula</b> Spatulée Spatula		
HSR	H $\frac{1}{2}$ circle $\frac{1}{2}$ cercle $\frac{1}{2}$ Kreis	SR <b>Cutting taper</b> Corps rond, tranchante Rundkörper, schneidend		
HSRG	H $\frac{1}{2}$ circle $\frac{1}{2}$ cercle $\frac{1}{2}$ Kreis	SR <b>Cutting taper</b> Corps rond, tranchante Rundkörper, schneidend	G <b>heavy</b> renforcée stark	
HCS	H $\frac{1}{2}$ circle $\frac{1}{2}$ cercle $\frac{1}{2}$ Kreis	CS <b>Conventional cutting</b> Tranchante conventionnelle Konventionell schneidend		
HTT	H $\frac{1}{2}$ circle $\frac{1}{2}$ cercle $\frac{1}{2}$ Kreis	TT <b>Round-bodied, blunt point</b> Corps rond, pointe émoussée Rundkörper, stumpfe Spitze		
KSP	K $\frac{1}{4}$ circle $\frac{1}{4}$ cercle $\frac{1}{4}$ Kreis	SP <b>Spatula</b> Spatulée Spatula		
FR	F $\frac{5}{8}$ circle $\frac{5}{8}$ cercle $\frac{5}{8}$ Kreis	R <b>Round-bodied (taper)</b> Corps rond Rundkörper		
FRG	F $\frac{5}{8}$ circle $\frac{5}{8}$ cercle $\frac{5}{8}$ Kreis	R <b>Round-bodied (taper)</b> Corps rond Rundkörper	G <b>heavy</b> renforcée stark	
RR	R <b>Straight</b> Droite Gerade	R <b>Round-bodied (taper)</b> Corps rond Rundkörper		
RS	R <b>Straight</b> Droite Gerade	S <b>Cutting</b> Tranchante Schneidend		
RSK	R <b>Straight</b> Droite Gerade	SK <b>Cutting with breakable feature</b> Tranchante, aiguille cassable Schneidend, brechbare Nadel		

# Needle shape and cross-section

Forme d'aiguille et coupe transversale  
Nadelform und Querschnitt

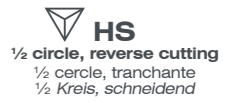
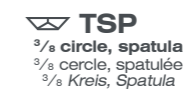
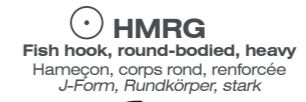
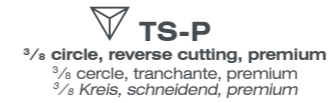
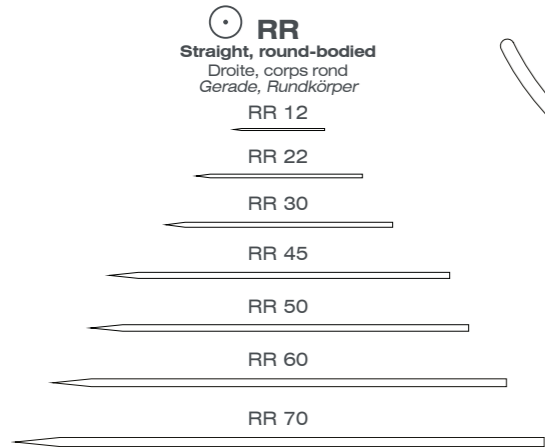
Needle Code Code aiguille Nadel-Code	Needle Shape Forme de l'aiguille Nadelform	Cross-section Coupe transversale Querschnitt	Symbols Symboles Symbole	
TR	T $\frac{3}{8}$ circle $\frac{3}{8}$ cercle $\frac{3}{8}$ Kreis	R <b>Round-bodied (taper)</b> Corps rond Rundkörper		
TRM	T $\frac{3}{8}$ circle $\frac{3}{8}$ cercle $\frac{3}{8}$ Kreis	R <b>Round-bodied (taper)</b> Corps rond Rundkörper	M <b>micropoint</b> micropointe Mikrospitze	
TS	T $\frac{3}{8}$ circle $\frac{3}{8}$ cercle $\frac{3}{8}$ Kreis	S <b>Reverse cutting</b> Tranchante Schneidend		
TSP	T $\frac{3}{8}$ circle $\frac{3}{8}$ cercle $\frac{3}{8}$ Kreis	SP <b>Spatula</b> Spatulée Spatula		
TS-P	T $\frac{3}{8}$ circle $\frac{3}{8}$ cercle $\frac{3}{8}$ Kreis	S <b>Reverse cutting</b> Tranchante Schneidend	P <b>premium</b>	
TSR	T $\frac{3}{8}$ circle $\frac{3}{8}$ cercle $\frac{3}{8}$ Kreis	SR <b>Cutting taper</b> Corps rond, tranchante Rundkörper, schneidend		
TCS	T $\frac{3}{8}$ circle $\frac{3}{8}$ cercle $\frac{3}{8}$ Kreis	CS <b>Conventional cutting</b> Tranchante conventionnelle Konventionell schneidend		
TTT	T $\frac{3}{8}$ circle $\frac{3}{8}$ cercle $\frac{3}{8}$ Kreis	TT <b>Round-bodied, blunt point</b> Corps rond, pointe émoussée Rundkörper, stumpfe Spitze		
HMR	HM <b>Fish hook</b> Hameçon J-Form	R <b>Round-bodied (taper)</b> Corps rond Rundkörper		
HMRG	HM <b>Fish hook</b> Hameçon J-Form	R <b>Round-bodied (taper)</b> Corps rond Rundkörper	G <b>heavy</b> renforcée stark	
HMS	HM <b>Fish hook</b> Hameçon J-Form	S <b>Reverse cutting</b> Tranchante Schneidend		
HMSR	HM <b>Fish hook</b> Hameçon J-Form	SR <b>Cutting taper</b> Corps rond, tranchante Rundkörper, schneidend		
HMSRG	HM <b>Fish hook</b> Hameçon J-Form	SR <b>Cutting taper</b> Corps rond, tranchante Rundkörper, schneidend	G <b>heavy</b> renforcée stark	
SKT	S <b>Ski</b>	KT <b>Cutting</b> Tranchante Schneidend		



# Needle-chart

## Tableau des aiguilles



















































### Tabelle der Nadeln











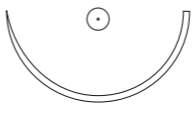






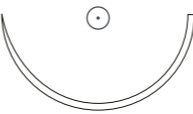















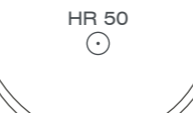







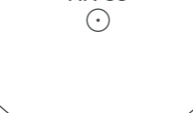



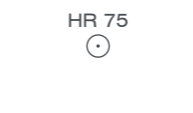

# AssuCryl<sup>®</sup> Lactin (PGLA)

braided, coated, synthetic, absorbable  
tressé, enduit, synthétique, résorbable  
geflochten, beschichtet, synthetisch, resorbierbar

Needle Code and Length Code Aiguille et Longueur Nadel-Code und Länge	USP	Metric	Color Couleur Farbe	Length Longueur Länge (cm)	Catalogue N°/Ref Réf. catalogue/Ref Katalog-Nr/Ref	Additional information Information complémentaire Zusatzinformation
	1/2 circle, round-bodied			1/2 cercle, corps rond	1/2 Kreis, Rundkörper	
 HR 13 13 mm	6-0	0.7		45	L4201WF	
	6-0	0.7		75	L4201W	
	5-0	1		45	L4202F	
	5-0	1		45	L4202WF	
	5-0	1		75	L4202W	
	4-0	1.5		75	L4203W	
 HR 17 17 mm	5-0	1		75	L4232	
	4-0	1.5		75	L4233	
	3-0	2		75	L4234	
	3-0	2		75	L4234W	
	2-0	3		75	L4235	
	 HR 20 20 mm	4-0	1.5		75	L42353
4-0		1.5		75	L42353-SL	slim needle, aiguille fine, feine Nadel
3-0		2		75	L42354	
 HR 22 22 mm	4-0	1.5		75	L4243	
	3-0	2		75	L4244	
	2-0	3		75	L4245	
 HR 22 22 mm	3-0	2		75	L4244-AR	<b>black needle</b> aiguille noire schwarze Nadel
 HR 25 25 mm	4-0	1.5		75	L42453	
	3-0	2		75	L42454	
	3-0	2		75	L42454-SL	slim needle, aiguille fine, feine Nadel
	2-0	3		75	L42455	
	2-0	3		75	L42455-SL	slim needle, aiguille fine, feine Nadel
	2-0	3		90	L42455N	
 HR 25 25 mm	3-0	2		75	L42454-AR	<b>black needle</b> aiguille noire schwarze Nadel
 HR 25 25 mm	3-0	2		38	L42454TE-Loop	<b>loop</b> boucle Schlinge
	2-0	3		38	L42455TE-Loop	
 HR 27 27 mm	4-0	1.5		75	L4253	
	3-0	2		75	L4254	
	2-0	3		75	L4255	
	2-0	3		90	L4255N	
	0	3.5		75	L4256	
 HR 30 30 mm	3-0	2		75	L42554	
	3-0	2		75	L42554-SL	slim needle, aiguille fine, feine Nadel
	2-0	3		75	L42555	
	2-0	3		75	L42555-SL	slim needle, aiguille fine, feine Nadel
	2-0	3		90	L42555N	
	0	3.5		75	L42556	
	1	4		75	L42557	

# AssuCryl<sup>®</sup> Lactin (PGLA)








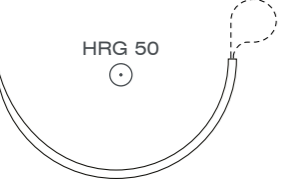
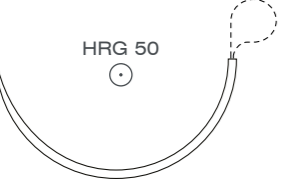

































braided, coated, synthetic, absorbable  
tressé, enduit, synthétique, résorbable  
geflochten, beschichtet, synthetisch, resorbierbar

Needle Code and Length Code Aiguille et Longueur Nadel-Code und Länge	USP	Metric	Color Couleur Farbe	Length Longueur Länge (cm)	Catalogue N°/Ref Réf. catalogue/Ref Katalog-Nr/Ref	Additional information Information complémentaire Zusatzinformation
	1/2 circle, round-bodied			1/2 cercle, corps rond	1/2 Kreis, Rundkörper	
 HR 35 35 mm	3-0	2		75	L42654	
	2-0	3		75	L42655	
	0	3.5		75	L42656	
	1	4		75	L42657	
	 HR 38 38 mm	3-0	2		75	L4274
2-0		3		75	L4275	
0		3.5		75	L4276	
0		3.5		90	L4276N	
1		4		75	L4277	
2		5		90	L4278N	
 HR 40 40 mm	2-0	3		75	L4285	
	2-0	3		90	L4285N	
	0	3.5		75	L4286	
	0	3.5		90	L4286N	
	1	4		75	L4287	
	1	4		90	L4287N	
	2	5		75	L4288	
	2	5		90	L4288N	
 HR 45 45 mm	0	3.5		75	L42856	
	0	3.5		90	L42856N	
	1	4		75	L42857	
	1	4		90	L42857N	
	2	5		75	L42858	
	2	5		90	L42858N	
	 HR 50 50 mm	2-0	3		75	L4295
0		3.5		75	L4296	
0		3.5		90	L4296N	
1		4		75	L4297	
1		4		90	L4297N	
2		5		75	L4298	
2		5		90	L4298N	
 HR 65 65 mm	2-0	3		75	L42985	
	0	3.5		75	L42986	
	1	4		75	L42987	
 HR 75 75 mm	3&4	6		135	L40759HTF	












































# AssuCryl® MonoSlow (PDO)

monofilament, synthetic, absorbable  
monofilament, synthétique, résorbable  
Monofilament, synthetisch, resorbierbar

Needle Code and Length Code Aiguille et Longueur Nadel-Code und Länge	USP	Metric	Color Couleur Farbe	Length Longueur Länge (cm)	Catalogue N°/Ref Réf. catalogue/Ref Katalog-Nr/Ref	Additional information Information complémentaire Zusatzinformation
 <b>1/2 circle, round-bodied, heavy</b> 1/2 cercle, corps rond, renforcée 1/2 Kreis, Rundkörper, stark						
 HRG 45 45 mm	1	4		150	MS43427HF	<b>heavy needle, loop</b> aiguille renforcée, boucle starke Nadel, Schlinge
 HRG 50 50 mm	0 1 1 2	3.5 4 4 5	  	90 90 100 90	MS43436N MS43437N MS43437H MS43438N	<b>heavy needle</b> aiguille renforcée starke Nadel
 HRG 50 50 mm	0 1	3.5 4	 	150 150	MS43436HF MS43437HF	<b>heavy needle, loop</b> aiguille renforcée, boucle starke Nadel, Schlinge
 <b>1/2 circle, reverse cutting</b> 1/2 cercle, tranchante 1/2 Kreis, schneidend						
 HS 21 21 mm	3-0 2-0	2 3	 	45 45	MS46844F MS46845F	
 HS 30 30 mm	2-0 0 1	3 3.5 4	  	75 75 75	MS4715 MS4716 MS4717	
 HS 40 40 mm	0 1 2	3.5 4 5	  	90 90 90	MS4736N MS4737N MS4738N	
 HS 52 52 mm	0 1 2	3.5 4 5	  	90 90 90	MS4746N MS4747N MS4748N	
 <b>1/2 circle, cutting taper</b> 1/2 cercle, corps rond, tranchante 1/2 Kreis, Rundkörper, schneidend						
 HSR 25 25 mm	3-0 2-0	2 3	 	75 75	MS43664 MS43665	
 HSR 27 27 mm	3-0 2-0	2 3	 	75 75	MS4374 MS4375	
 HSR 35 35 mm	2-0 0 1	3 3.5 4	  	75 90 90	MS43795 MS43796N MS43797N	
 HSR 38 38 mm	0 0 1 1	3.5 3.5 4 4	   	75 90 75 90	MS4386 MS4386N MS4387 MS4387N	

# AssuCryl® MonoSlow (PDO)

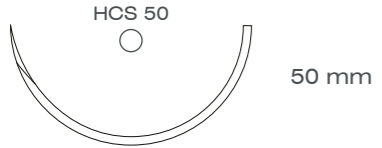













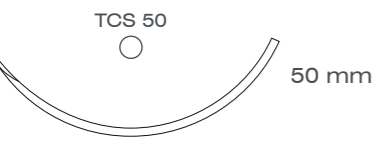




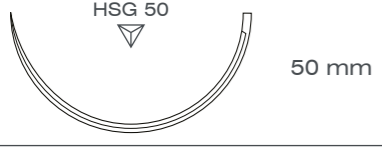

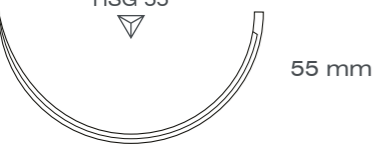







monofilament, synthetic, absorbable  
monofilament, synthétique, résorbable  
Monofilament, synthetisch, resorbierbar

Needle Code and Length Code Aiguille et Longueur Nadel-Code und Länge	USP	Metric	Color Couleur Farbe	Length Longueur Länge (cm)	Catalogue N°/Ref Réf. catalogue/Ref Katalog-Nr/Ref	Additional information Information complémentaire Zusatzinformation
 <b>1/2 circle, cutting taper, heavy</b> 1/2 cercle, corps rond, tranchante, renforcée 1/2 Kreis, Rundkörper, schneidend, stark						
 HSRG 35 35 mm	0 1	3.5 4	 	90 90	MS43806N MS43807N	<b>heavy needle</b> aiguille renforcée starke Nadel
 HSRG 40 40 mm	0 1	3.5 4	 	90 90	MS43866N MS43867N	<b>heavy needle</b> aiguille renforcée starke Nadel
 HSRG 45 45 mm	1	4		100	MS43957H	<b>heavy needle</b> aiguille renforcée starke Nadel
 HSRG 50 50 mm	1	4		100	MS43977H	<b>heavy needle</b> aiguille renforcée starke Nadel
 <b>3/8 circle, round-bodied, double-armed</b> 3/8 cercle, corps rond, double-armée 3/8 Kreis, Rundkörper, doppelt-armiert						
 2xTR 13 13 mm	6-0 5-0	0.7 1	 	75 75	MS4991 MS4992	
 <b>3/8 circle, reverse cutting</b> 3/8 cercle, tranchante 3/8 Kreis, schneidend						
 TS 12 12 mm	6-0 5-0 4-0	0.7 1 1.5	  	45 45 45	MS4521F MS4522F MS4523F	
 TS 15 15 mm	6-0 5-0 4-0	0.7 1 1.5	  	75 75 75	MS4531 MS4532 MS4533	
 TS 17 17 mm	4-0 4-0 3-0 3-0	1.5 1.5 2 2	   	45 75 45 75	MS4543F MS4543 MS4544F MS4544	
 TS 19 19 mm	4-0 4-0 3-0 3-0	1.5 1.5 2 2	   	45 75 45 75	MS4553F MS4553 MS4554F MS4554	
 TS 24 24 mm	4-0 3-0 2-0	1.5 2 3	  	75 75 75	MS4563 MS4564 MS4565	
 TS 27 27 mm	3-0 2-0	2 3	 	75 75	MS4574 MS4575	



**Surgical Steel**  
Acier Chirurgical  
Chirurgischer Stahl

monofilament, stainless steel, non-absorbable  
monofilament, acier inoxydable, non-résorbable  
Monofilament, Edelstahl, nicht resorbierbar

Needle Code and Length Code Aiguille et Longueur Nadel-Code und Länge	USP	Metric	Color Couleur Farbe	Length Longueur Länge (cm)	Catalogue N°/Ref Réf. catalogue/Ref Katalog-Nr/Ref	Additional information Information complémentaire Zusatzinformation
<b>Sternotomy</b> Sternotomie Sternotomie						
○ ½ circle, conventional cutting ½ cercle, tranchante conventionnelle ½ Kreis, konventionell schneidend						
 <p>HCS 50 50 mm</p>	5	7		75	CV7802x2	<b>Multipack</b> 2 sutures per envelope 2 sutures par sachet 2 Fäden per Beutel
	6	8		45	SST1	
	5	7		45	CV7601x4	<b>Multipack</b> 4 sutures per envelope 4 sutures par sachet 4 Fäden per Beutel
	5	7		75	CV7621x4	
	6	8		45	CV7624x4	
	6	8		75	CV7623x4	
	7	9		45	CV7605x4	
	7	9		75	CV7910x4	
	5	7		45	CV7601x4-360°	<b>Multipack</b> 4 sutures per envelope 360° rotating needle 4 sutures par sachet aiguille rotative à 360° 4 Fäden per Beutel 360° rotierende Nadel
	6	8		45	CV7624x4-360°	
	7	9		45	CV7605x4-360°	
	5	7		45	CV7620x6	<b>Multipack</b> 6 sutures per envelope 6 sutures par sachet 6 Fäden per Beutel
	6	8		45	CV7622x6	
	○ ¾ circle, conventional cutting ¾ cercle, tranchante conventionnelle ¾ Kreis, konventionell schneidend					
 <p>TCS 50 50 mm</p>	5	7		45	CV7501x4	<b>Multipack</b> 4 sutures per envelope 4 sutures par sachet 4 Fäden per Beutel
	6	8		45	CV7503x4	
	5	7		45	CV7502x6	<b>Multipack</b> 6 sutures per envelope 6 sutures par sachet 6 Fäden per Beutel
	6	8		45	CV7504x6	
▽ ½ circle, reverse cutting, heavy ½ cercle, tranchante, renforcée ½ Kreis, schneidend, stark						
 <p>HSG 50 50 mm</p>	7	9		45	CV772607x4	<b>Multipack</b> 4 sutures per envelope heavy needle 4 sutures par sachet aiguille renforcée 4 Fäden per Beutel starke Nadel
	 <p>HSG 55 55 mm</p>	5	7		75	CV774505-360°
5		7		75	CV774505x2-360°	<b>Multipack</b> 2 sutures per envelope heavy & 360° rotating needle 2 sutures par sachet aiguille renforcée & rotative à 360° 2 Fäden per Beutel starke & 360° rotierende Nadel
◊ ½ circle, cutting taper, heavy ½ cercle, corps rond, tranchante, renforcée ½ Kreis, Rundkörper, schneidend, stark						
 <p>HSRG 50 50 mm</p>	3&4	6		45	CV73979x4	<b>Multipack</b> 4 sutures per envelope heavy needle 4 sutures par sachet aiguille renforcée 4 Fäden per Beutel starke Nadel
	5	7		45	CV739705x4	
	6	8		45	CV739706x4	
	7	9		45	CV739707x4	

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