

# 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

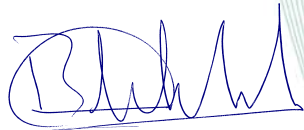
### Scope:

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 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

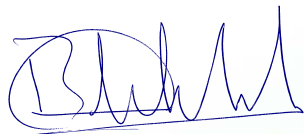
Documents, that form the basis of this certificate:

**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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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: 2194636CE03

1/1

## CE MARKING OF CONFORMITY MEDICAL DEVICES

Absorbable surgical sutures

Issued to:

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

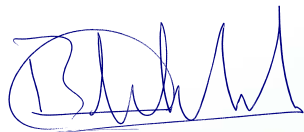
This certificate covers the following product(s):

- 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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# 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

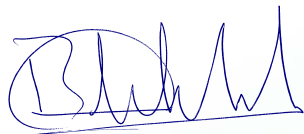
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DEKRA Certification B.V.



B.T.M. Holtus  
Managing Director



J.A. van Vugt  
Certification Manager

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# ADDENDUM

Belonging to certificate: 2194636CE01

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## CE MARKING OF CONFORMITY MEDICAL DEVICES

Non-absorbable surgical sutures

Issued to:

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

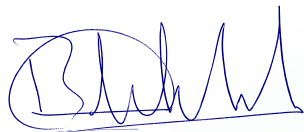
This certificate covers the following product(s):

- 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.



B.T.M. Holtus  
 Managing Director



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:

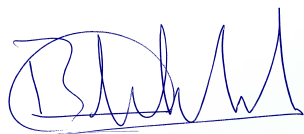
**Certification Notice 2194636CN, initially dated 20 September 2016**  
**CE Marking of Conformity 2194636CE03**  
**Addendum, initially dated 23 September 2016**

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.

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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# ADDENDUM

Belonging to certificate: 2194636DE03

1/1

## EC DESIGN-EXAMINATION MEDICAL DEVICES

Absorbable surgical sutures

Issued to:

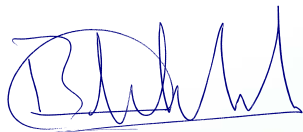
**Assut Medical Sàrl**  
**Avenue de Rochettaz 57**  
**1009 Pully**  
**Switzerland**

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, 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: 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:

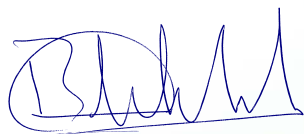
**Certification Notice 2194636CN, initially dated 20 September 2016**  
**CE Marking of Conformity 2194636CE01**  
**Addendum, initially dated 23 September 2016**

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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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# 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

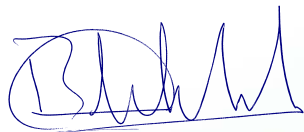
Silk

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, 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 initial 'J' followed by the name 'A. van Vugt'.

J.A. van Vugt  
Certification Manager

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T +31 88 96 83000 F +31 88 96 83100 [www.dekra-certification.com](http://www.dekra-certification.com) Company registration 09085396

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, crossing over the needle. The text is arranged in a clean, professional layout.

**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

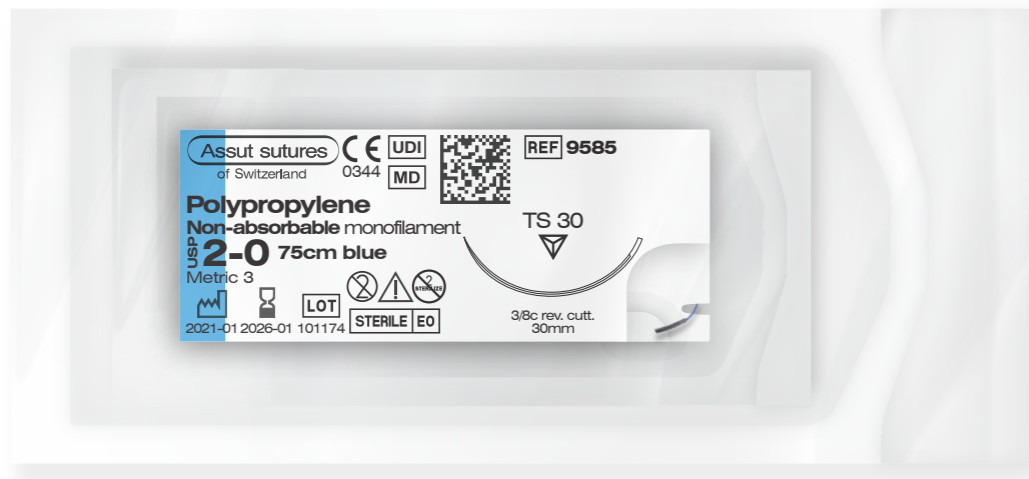


**Assut sutures**  
of Switzerland

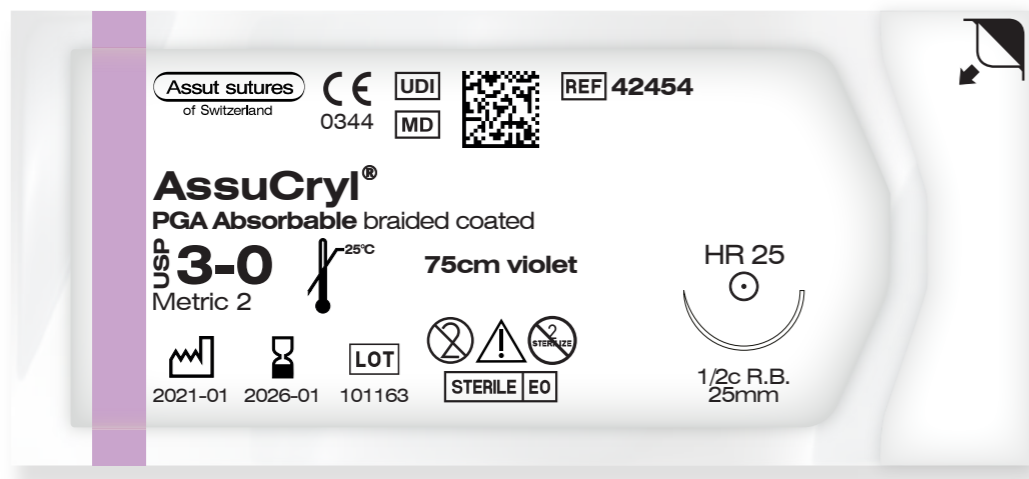
# Suture package

Emballage de sutures  
Nahtmaterial-Verpackung

Non-absorbable | Non-résorbable | Nicht resorbierbar



Absorbable | Résorbable | Resorbierbar



# Suture Materials and Colour Codes

Matériel de suture et codes couleurs  
Nahtmaterialien und Farbkennzeichnungen

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.

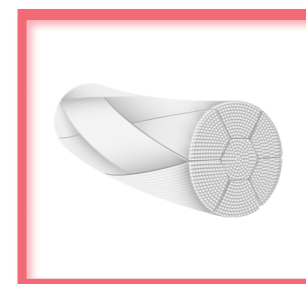
**DE. AssuCryl®**  
Polyglykolsäure (PGA)  
Geflochten, beschichtet, synthetisch, resorbierbar.  
Vorhersagbare Resorptionszeit.  
Hohe Ausgangszugfestigkeit.  
Einfaches und sicheres Verknoten.  
Hervorragende Verschiebbarkeit des Knotens und leichte Handhabung.  
Violett oder ungefärbt.  
In der Regel 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**  
Poliglicaprone (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**  
Poliglicaprone (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**  
Poliglicapron (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

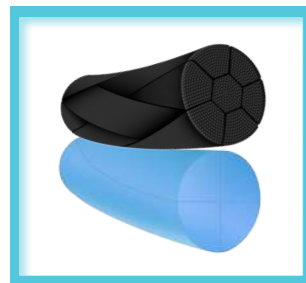
Polyester, braided and coated. Improved tensile strength and knot security. A modern braiding technique gives the strand a smooth and uniform surface that minimizes the trauma. Green or white.

## 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 nœud 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 nœud 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®

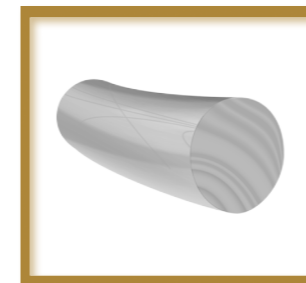
Ultra high molecular weight polyethylene (UHMWPE) undyed, co-braided with dyed or undyed polyester. Uncoated. Outstanding tensile strength. Excellent knot security. Easy and smooth to handle. White or green and bi-color white/blue or white/green for an easier identification.

## 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

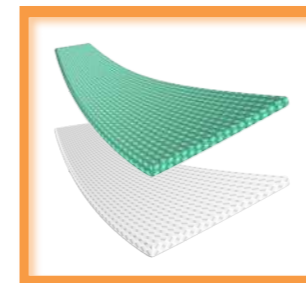
Monopolar temporary cardiac pacing wire made of multifilament surgical stainless steel, with blue, black or white/grey coloured polyethylene insulation. Very flexible. Easy to handle.

## 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 nœud 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

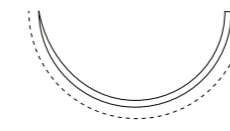
Thread length Longueur du fil - Fadenlänge	Thread color Couleur du fil - Farbe des Fadens	Needle type Type d'aiguille - Nadelsorte
<b>FTE</b> 15 cm	<b>White (or undyed)</b> <b>W</b> Blanc (ou non teinté) Weiss (oder ungefärbt)	<b>Conventional cutting</b> <b>-CC</b> Tranchante conventionnelle Konventionell 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

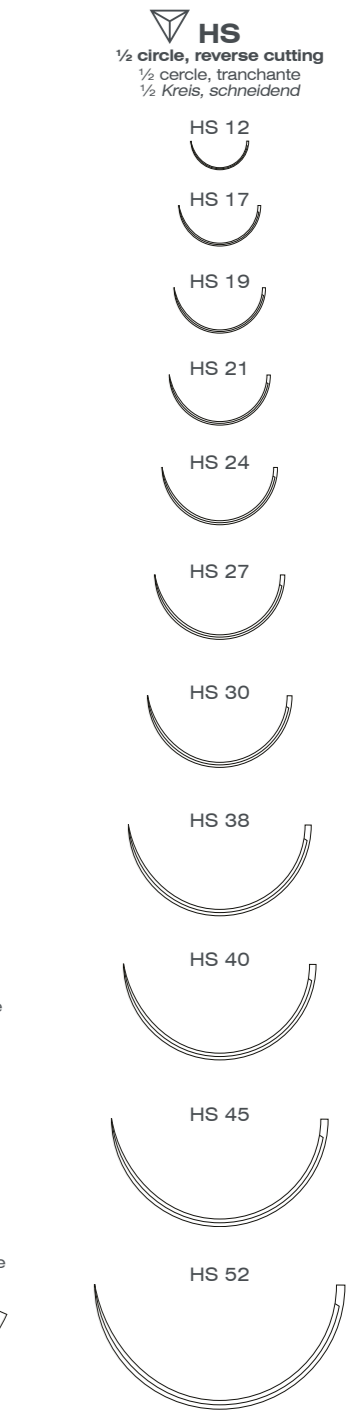
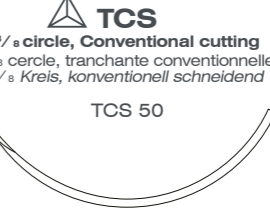
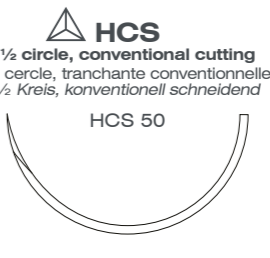
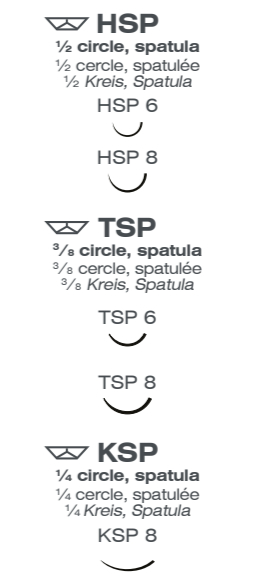
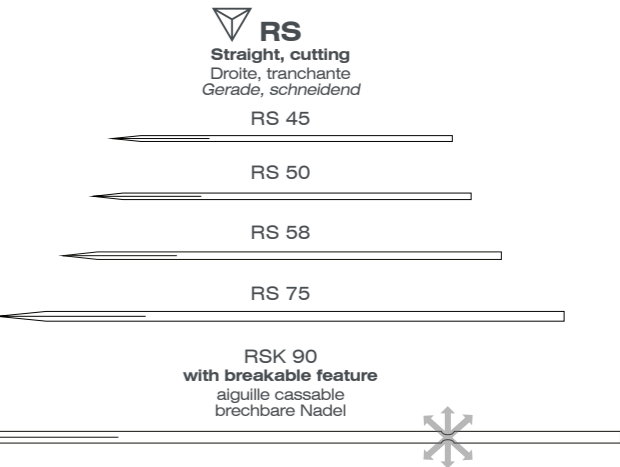
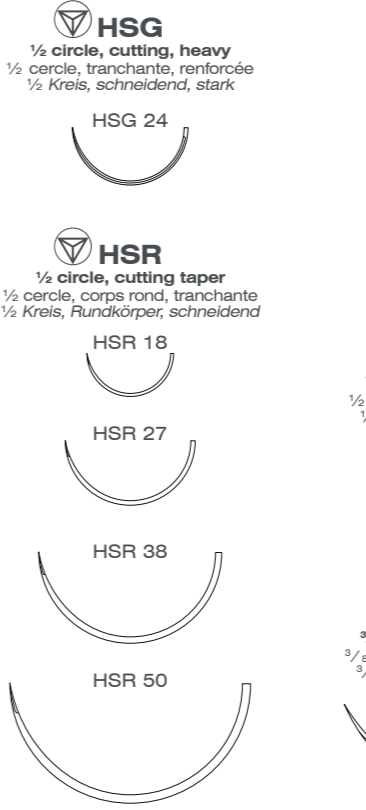
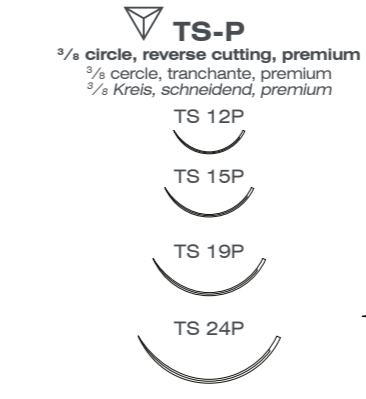
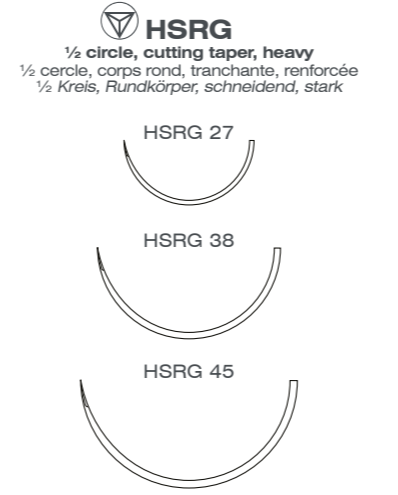
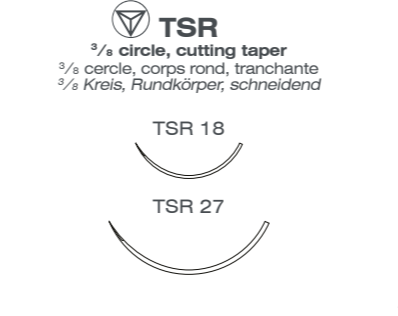
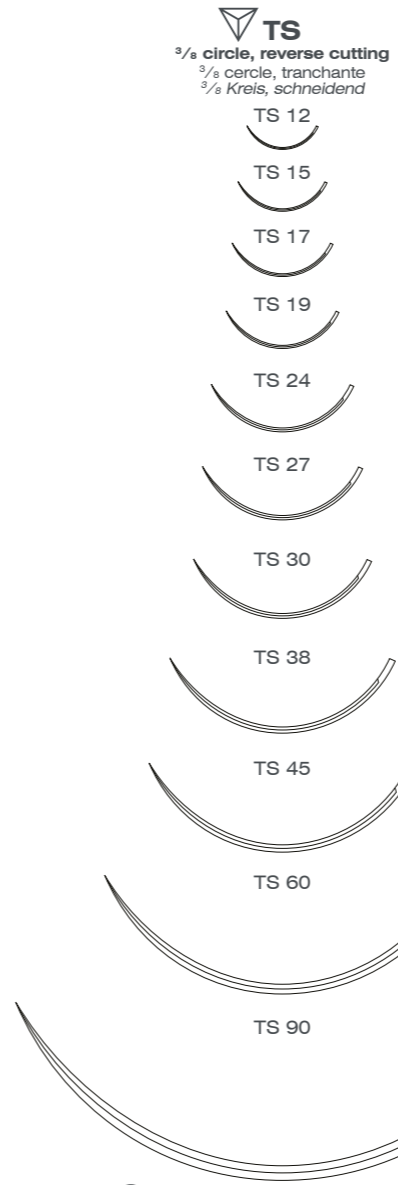
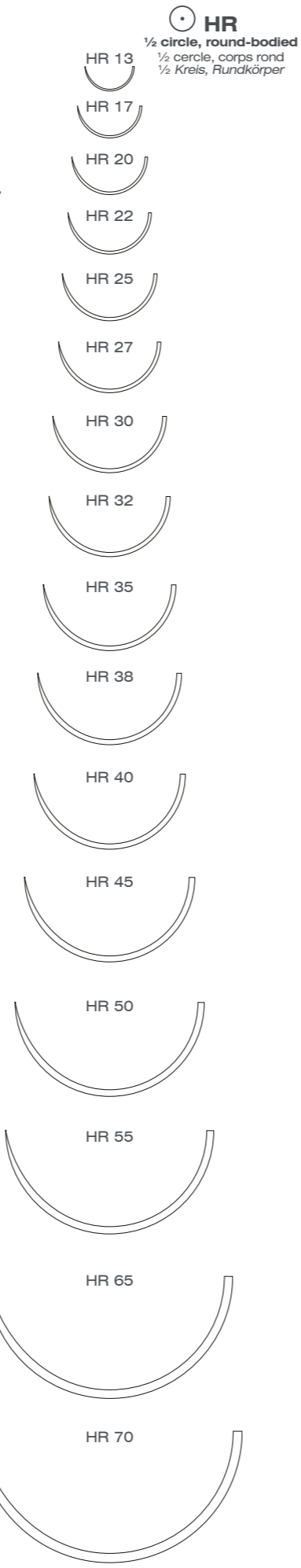
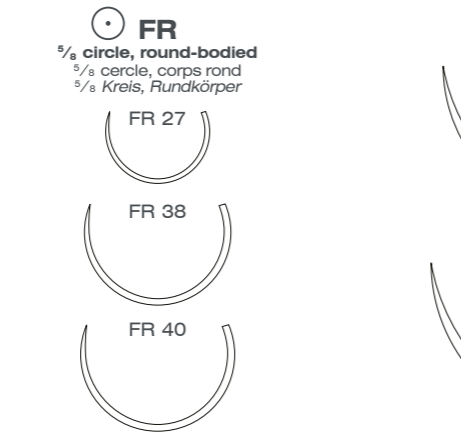
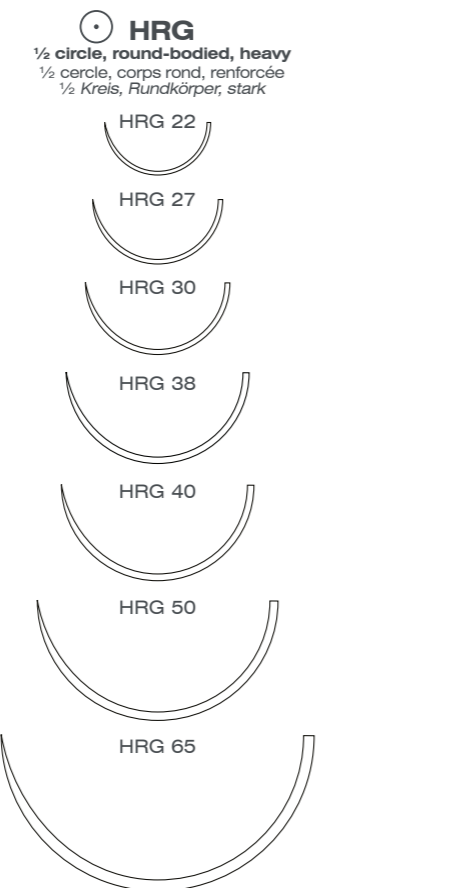
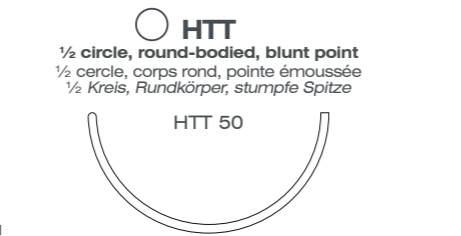
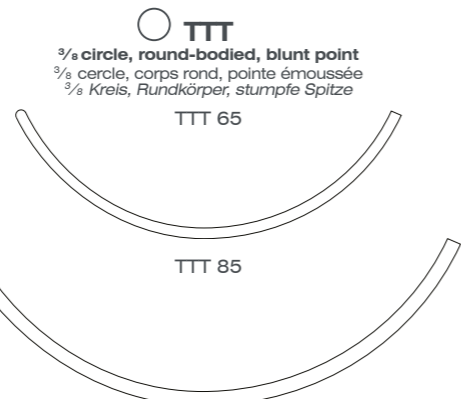
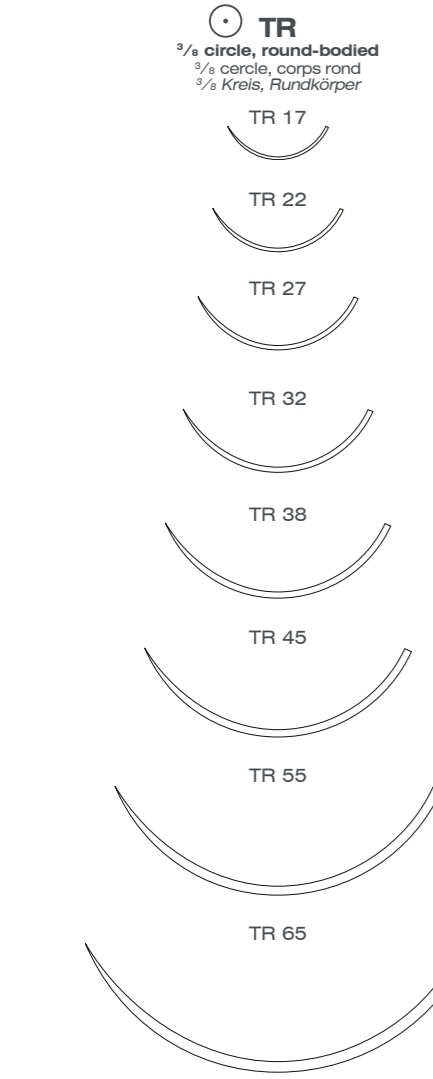
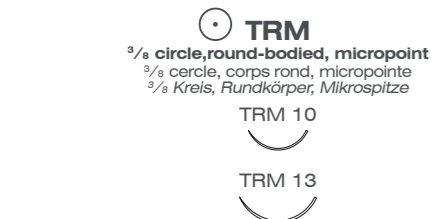
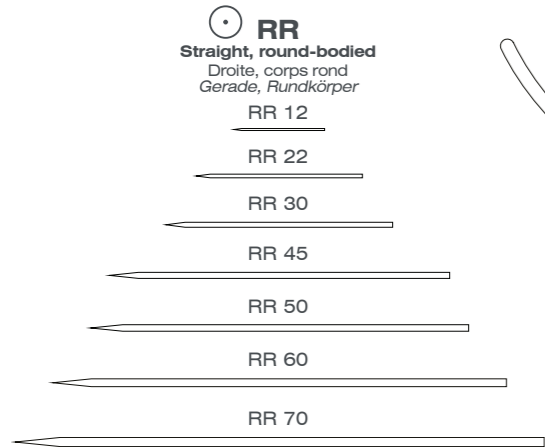
Forme d'aiguille et coupe transversale  
Nadelform und Querschnitt

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® Rapid (PGA)

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
<b>○ 1/2 circle, round-bodied</b> 1/2 cercle, corps rond 1/2 Kreis, Rundkörper						
 HR 17 17 mm	5-0	1		75	R4232W	
	4-0	1.5		75	R4233W	
	3-0	2		75	R4234W	
 HR 22 22 mm	4-0	1.5		75	R4243W	
	3-0	2		75	R4244W	
	2-0	3		75	R4245W	
 HR 25 25 mm	4-0	1.5		75	R42453W	
	3-0	2		75	R42454W	
	2-0	3		75	R42455W	
 HR 27 27 mm	4-0	1.5		75	R4253W	
	3-0	2		75	R4254W	
	2-0	3		75	R4255W	
	0	3.5		75	R4256W	
 HR 30 30 mm	3-0	2		75	R42554W	
	2-0	3		75	R42555W	
	0	3.5		75	R42556W	
	1	4		75	R42557W	
 HR 40 40 mm	0	3.5		75	R4286W	
	1	4		75	R4287W	
<b>○ 1/2 circle, round-bodied, heavy</b> 1/2 cercle, corps rond, renforcée 1/2 Kreis, Rundkörper, stark						
 HRG 35 35 mm	0	3.5		90	R43366WN	<b>heavy needle</b> aiguille renforcée starke Nadel
 HRG 38 38 mm	2-0	3		90	R4345WN	<b>heavy needle</b> aiguille renforcée starke Nadel
	0	3.5		90	R4346WN	
	1	4		90	R4347WN	
 HRG 40 40 mm	0	3.5		75	R43416W	<b>heavy needle</b> aiguille renforcée starke Nadel
	0	3.5		90	R43416WN	
	1	4		75	R43417W	
	1	4		90	R43417WN	
	2	5		75	R43418W	
	2	5		90	R43418WN	
 HRG 45 45 mm	1	4		90	R43427WN	<b>heavy needle</b> aiguille renforcée starke Nadel
 HRG 50 50 mm	2-0	3		75	R43435W	<b>heavy needle</b> aiguille renforcée starke Nadel
	2-0	3		90	R43435WN	
	0	3.5		90	R43436WN	
	1	4		90	R43437WN	


















































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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, conventional cutting</b> 1/2 cercle, tranchante conventionnelle 1/2 Kreis, konventionell schneidend						
 HCS 22 22 mm	3-0	2		45	R46864WF-CC	
<b>▽ 1/2 circle, reverse cutting</b> 1/2 cercle, tranchante 1/2 Kreis, schneidend						
 HS 21 21 mm	4-0	1.5		45	R46843WF	
	3-0	2		45	R46844WF	
 HS 24 24 mm	3-0	2		75	R4694W	
 HS 27 27 mm	2-0	3		75	R4705W	
<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		90	R43664WN	
	2-0	3		90	R43665WN	
 HSR 35 35 mm	2-0	3		90	R43795WN	
	2-0	3		120	R43795WHT	
	0	3.5		90	R43796WN	
	1	4		90	R43797WN	
 HSR 40 40 mm	2-0	3		90	R43885WN	
 HSR 45 45 mm	2-0	3		90	R43895WN	
	0	3.5		90	R43896WN	
<b>▽ 1/2 circle, cutting taper, heavy</b> 1/2 cercle, corps rond, tranchante, renforcée 1/2 Kreis, Rundkörper, schneidend, stark						
 HSRG 38 38 mm	2-0	3		90	R43855WN	<b>heavy needle</b> aiguille renforcée starke Nadel
 HSRG 40 40 mm	2-0	3		90	R43865WN	<b>heavy needle</b> aiguille renforcée starke Nadel






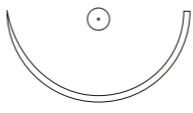






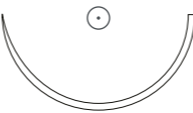















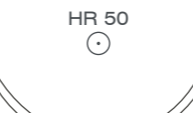











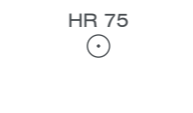

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Needle Code and Length Code Aiguille et Longueur Nadel-Code und Länge	USP	Metric	Color Couleur Farbe	Length Longueur Länge (cm)	Catalogue N°/Ref Réf. catalogue/Ref Katalog-Nr/Ref	Additional information Information complémentaire Zusatzinformation
<div style="display: flex; justify-content: space-between;"> <span>⊙ ½ circle, round-bodied</span> <span>½ cercle, corps rond</span> <span>½ Kreis, Rundkörper</span> </div>						
 HR 13 13 mm	6-0	0.7		45	4201WF	
	6-0	0.7		75	4201W	
	5-0	1		45	4202F	
	5-0	1		45	4202WF	
	5-0	1		75	4202W	
	4-0	1.5		75	4203W	
 HR 17 17 mm	5-0	1		75	4232	
	4-0	1.5		75	4233	
	3-0	2		75	4234	
	3-0	2		75	4234W	
	2-0	3		75	4235	
 HR 20 20 mm	4-0	1.5		75	42353	
	4-0	1.5		75	42353-SL	slim needle, aiguille fine, feine Nadel
	3-0	2		75	42354	
 HR 22 22 mm	4-0	1.5		75	4243	
	3-0	2		75	4244	
	2-0	3		75	4245	
 HR 22 22 mm	3-0	2		75	4244-AR	<b>black needle</b> aiguille noire schwarze Nadel
 HR 25 25 mm	4-0	1.5		75	42453	
	3-0	2		75	42454	
	3-0	2		75	42454-SL	slim needle, aiguille fine, feine Nadel
	2-0	3		75	42455	
	2-0	3		75	42455-SL	slim needle, aiguille fine, feine Nadel
	2-0	3		90	42455N	
 HR 25 25 mm	3-0	2		75	42454-AR	<b>black needle</b> aiguille noire schwarze Nadel
 HR 25 25 mm	3-0	2		38	42454TE-Loop	<b>loop</b> boucle Schlinge
	2-0	3		38	42455TE-Loop	
 HR 27 27 mm	4-0	1.5		75	4253	
	3-0	2		75	4254	
	2-0	3		75	4255	
	2-0	3		90	4255N	
	0	3.5		75	4256	
 HR 30 30 mm	3-0	2		75	42554	
	3-0	2		75	42554-SL	slim needle, aiguille fine, feine Nadel
	2-0	3		75	42555	
	2-0	3		75	42555-SL	slim needle, aiguille fine, feine Nadel
	2-0	3		90	42555N	
	0	3.5		75	42556	
	1	4		75	42557	





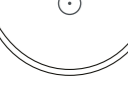



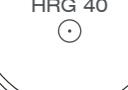





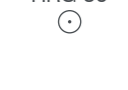

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<div style="display: flex; justify-content: space-between;"> <span>⊙ ½ circle, round-bodied</span> <span>½ cercle, corps rond</span> <span>½ Kreis, Rundkörper</span> </div>						
 HR 35 35 mm	3-0	2		75	42654	
	2-0	3		75	42655	
	0	3.5		75	42656	
	1	4		75	42657	
 HR 38 38 mm	3-0	2		75	4274	
	2-0	3		75	4275	
	0	3.5		75	4276	
	0	3.5		90	4276N	
	1	4		75	4277	
	2	5		90	4278N	
 HR 40 40 mm	2-0	3		75	4285	
	2-0	3		90	4285N	
	0	3.5		75	4286	
	0	3.5		90	4286N	
	1	4		75	4287	
	1	4		90	4287N	
	2	5		75	4288	
	2	5		90	4288N	
 HR 45 45 mm	0	3.5		75	42856	
	0	3.5		90	42856N	
	1	4		75	42857	
	1	4		90	42857N	
	2	5		75	42858	
	2	5		90	42858N	
 HR 50 50 mm	2-0	3		75	4295	
	0	3.5		75	4296	
	0	3.5		90	4296N	
	1	4		75	4297	
	1	4		90	4297N	
	2	5		75	4298	
	2	5		90	4298N	
 HR 65 65 mm	2-0	3		75	42985	
	0	3.5		75	42986	
	1	4		75	42987	
 HR 75 75 mm	3&4	6		135	40759HTF	



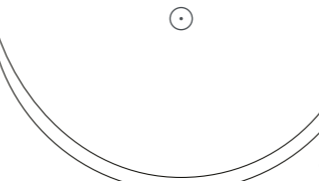



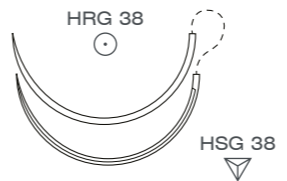

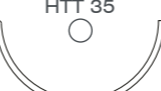



# AssuCryl® (PGA)

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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
<span>⊙</span> <b>1/2 circle, round-bodied, heavy</b> 1/2 cercle, corps rond, renforcée 1/2 Kreis, Rundkörper, stark						
 HRG 27 27 mm	3-0	2		75	4334	<b>heavy needle</b> aiguille renforcée starke Nadel
	2-0	3		75	4335	
	0	3.5		75	4336	
	1	4		75	4337	
 HRG 30 30 mm	2-0	3		75	43325	<b>heavy needle</b> aiguille renforcée starke Nadel
	0	3.5		75	43326	
	1	4		75	43327	
 HRG 35 35 mm	2-0	3		75	43365	<b>heavy needle</b> aiguille renforcée starke Nadel
	0	3.5		75	43366	
	0	3.5		90	43366N	
	1	4		90	43367N	
 HRG 38 38 mm	2-0	3		75	4345	<b>heavy needle</b> aiguille renforcée starke Nadel
	2-0	3		90	4345N	
	0	3.5		75	4346	
	0	3.5		90	4346N	
	1	4		75	4347	
	1	4		90	4347N	
	2	5		75	4348	
	2	5		90	4348N	
 HRG 40 40 mm	0	3.5		75	43416	<b>heavy needle</b> aiguille renforcée starke Nadel
	0	3.5		90	43416N	
	1	4		75	43417	
	1	4		90	43417N	
	1	4		100	43417H	
	2	5		75	43418	
 HRG 45 45 mm	0	3.5		75	43426	<b>heavy needle</b> aiguille renforcée starke Nadel
	1	4		75	43427	
	2	5		75	43428	
 HRG 45 45 mm	0	3.5		75	43426-Loop	<b>heavy needle, loop</b> aiguille renforcée, boucle starke Nadel, Schlinge
 HRG 50 50 mm	0	3.5		75	43436	<b>heavy needle</b> aiguille renforcée starke Nadel
	0	3.5		90	43436N	
	1	4		75	43437	
	1	4		90	43437N	
	1	4		100	43437H	
	2	5		75	43438	
	2	5		90	43438N	
2	5	100	43438H			













































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<span>⊙</span> <b>1/2 circle, round-bodied, heavy</b> 1/2 cercle, corps rond, renforcée 1/2 Kreis, Rundkörper, stark									
 HRG 65 65 mm	2-0	3		75	43445	<b>heavy needle</b> aiguille renforcée starke Nadel			
 HRG 80 80 mm	1	4		90	43487N	<b>heavy needle</b> aiguille renforcée starke Nadel			
							1	4	100
	<span>⊙</span> <b>Fish hook, round-bodied, heavy</b> Hameçon, corps rond, renforcée J-Form, Rundkörper, stark								
	 HMRG 35 35 mm	0		3.5			75	426636	<b>heavy needle</b> aiguille renforcée starke Nadel
<span>⊙</span> <b>1/2 circle, round-bodied, heavy &amp; 1/2 circle, reverse cutting, heavy</b> 1/2 cercle, corps rond, renforcée & 1/2 cercle, tranchante, renforcée 1/2 Kreis, Rundkörper, stark & 1/2 Kreis, schneidend, stark									
 HRG 38 38 mm	2-0	3		135	48575HTF	<b>heavy needles</b> aiguilles renforcées starke Nadeln			
<span>○</span> <b>1/2 circle, round-bodied, blunt point</b> 1/2 cercle, corps rond, pointe émoussée 1/2 Kreis, Rundkörper, stumpfe Spitze									
 HTT 35 35 mm	2-0	3		75	48645				
							0	3.5	75
 HTT 50 50 mm	1	4		90	46267N				









































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 <b>1/2 circle, reverse cutting</b> 1/2 cercle, tranchante    1/2 Kreis, schneidend						
 HS 17 17 mm	5-0	1		45	4672F	
	4-0	1.5		45	4673F	
	4-0	1.5		45	4673WF	
	4-0	1.5		75	4673	
	3-0	2		45	4674F	
	2-0	3		45	4675F	
 HS 21 21 mm	4-0	1.5		45	46843F	
	3-0	2		45	46844F	
 HS 24 24 mm	3-0	2		75	4694	
	2-0	3		75	4695	
 HS 27 27 mm	3-0	2		75	4704	
	2-0	3		75	4705	
	0	3.5		75	4706	
 HS 30 30 mm	2-0	3		75	4715	
	0	3.5		75	4716	
	1	4		75	4717	
 HS 35 35 mm	2-0	3		75	47015	
	0	3.5		75	47016	
	1	4		75	47017	
 HS 40 40 mm	0	3.5		75	4736	
	1	4		75	4737	
	2	5		75	4738	
 HS 45 45 mm	0	3.5		75	47326	
	1	4		75	47327	
	2	5		75	47328	
 HS 48 48 mm	1	4		90	47347N	
	2	5		90	47348N	
 HS 52 52 mm	0	3.5		75	4746	
	0	3.5		90	4746N	
	1	4		75	4747	
	1	4		90	4747N	
	2	5		75	4748	
	2	5		90	4748N	

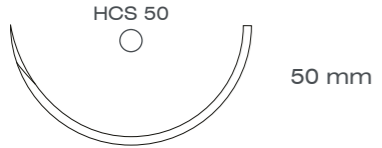













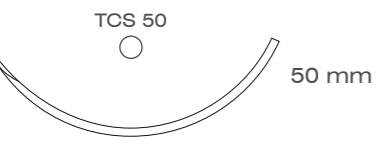




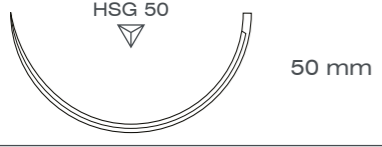

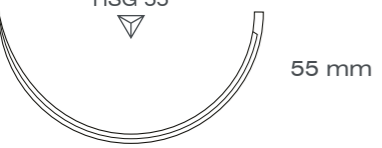


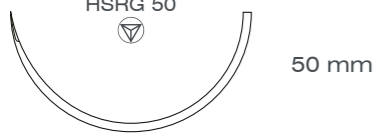




# AssuCryl® (PGA)

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
 <b>1/2 circle, reverse cutting, heavy</b> 1/2 cercle, tranchante, renforcée    1/2 Kreis, schneidend, stark						
 HSG 40 40 mm	1	4		75	47207	<b>heavy needle</b> aiguille renforcée starke Nadel
	2	5		90	47258N	<b>heavy needle</b> aiguille renforcée starke Nadel
 <b>1/2 circle, cutting taper</b> 1/2 cercle, corps rond, tranchante    1/2 Kreis, Rundkörper, schneidend						
 HSR 18 18 mm	5-0	1		75	4362	
	4-0	1.5		75	4363	
	3-0	2		75	4364	
	2-0	3		75	4365	
 HSR 22 22 mm	3-0	2		75	43624	
	2-0	3		75	43625	
	0	3.5		75	43626	
 HSR 25 25 mm	4-0	1.5		75	43663	
	3-0	2		75	43664	
	2-0	3		75	43665	
 HSR 27 27 mm	3-0	2		75	4374	
	2-0	3		75	4375	
	0	3.5		75	4376	
	1	4		75	4377	
 HSR 30 30 mm	3-0	2		75	43784	
	2-0	3		75	43785	
	0	3.5		75	43786	
 HSR 35 35 mm	0	3.5		75	43796	
	1	4		75	43797	
	2	5		75	43798	
 HSR 38 38 mm	2-0	3		75	4385	
	2-0	3		90	4385N	
	0	3.5		75	4386	
	0	3.5		90	4386N	
 HSR 40 40 mm	1	4		90	43887N	
 HSR 45 45 mm	2	5		75	43898	

**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°	<b>1 suture per envelope</b> heavy & 360° rotating needle 1 suture par sachet aiguille renforcée & rotative à 360° 1 Fäden per Beutel starke & 360° rotierende Nadel
	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	

**Surgical**  
**Assut sutures**  
of Switzerland

**At the service of surgery**  
Au service de la chirurgie  
Im Dienste der Chirurgie

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

# Specialties

## Spécialités-Spezialitäten



**Assut sutures**  
of Switzerland

# PTFE Pledgets

**Polytetrafluorethylene pledgets, non-absorbable**  
Pledgets en polytétrafluoroéthylène, non-résorbables  
Polytetrafluorethylen-Pledgets nicht resorbierbar

Description Description Beschreibung	Units per envelope Unités par sachet Einheiten per Beutel	Shape Forme Form	Catalogue N°/Ref Réf. catalogue/Ref Katalog-Nr/Ref	Additional information Information complémentaire Zusatzinformation
<b>3x3x1.5mm round firm pledgets</b> pledgets durs ronds 3x3x1.5mm runde feste Pledgets 3x3x1.5mm	6 5	☉ ☉	PRF3315x6 PRF3315x5	<b>2 holes pre-punched</b> 2 trous pré-perforés 2 vorgestanzte Löcher
<b>6x3x1.5mm oval firm pledgets</b> pledgets durs ovales 6x3x1.5mm ovale feste Pledgets 6x3x1.5mm	6 5	☉ ☉	POF6315x6 POF6315x5	<b>2 holes pre-punched</b> 2 trous pré-perforés 2 vorgestanzte Löcher
<b>7x3x1.5mm oval firm pledgets</b> pledgets durs ovales 7x3x1.5mm ovale feste Pledgets 7x3x1.5mm	6 5	☉ ☉	POF7315x6 POF7315x5	<b>2 holes pre-punched</b> 2 trous pré-perforés 2 vorgestanzte Löcher
<b>6x3x1.5mm rectangular firm pledgets</b> pledgets durs rectangulaires 6x3x1.5mm rechteckige feste Pledgets 6x3x1.5mm	6 5	☉ ☉	PRF6315x6 PRF6315x5	<b>2 holes pre-punched</b> 2 trous pré-perforés 2 vorgestanzte Löcher
<b>7x3x1.5mm rectangular firm pledgets</b> pledgets durs rectangulaires 7x3x1.5mm rechteckige feste Pledgets 7x3x1.5mm	6 5	☉ ☉	PRF7315x6 PRF7315x5	<b>2 holes pre-punched</b> 2 trous pré-perforés 2 vorgestanzte Löcher

Illustrative pictures - Images d'illustration - Bildliche Darstellungen













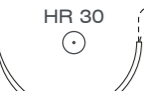
































# Nylon

## Polyamide-Polyamide-Polyamid


















































monofilament, synthetic, non-absorbable  
monofilament, synthétique, non-résorbable  
Monofilament, synthetisch, 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>1/2 circle, round-bodied</b> 1/2 cercle, corps rond    1/2 Kreis, Rundkörper						
 HR 25 25 mm	4-0	1.5		75	52453	
	3-0	2		75	52454	
	2-0	3		75	52455	
 HR 30 30 mm	2-0	3		75	52555	
	2-0	3		100	52555H	
	0	3.5		75	52556	
	0	3.5		100	52556H	
	1	4		75	52557	
	1	4		100	52557H	
 HR 30 30 mm	0	3.5		150	52556HF	<b>loop</b> boucle Schlinge
 HR 32 32 mm	2-0	3		75	5265	
	2-0	3		100	5265H	
	0	3.5		100	5266H	
	1	4		100	5267H	
 HR 38 38 mm	0	3.5		100	5276H	
	1	4		100	5277H	
 HR 40 40 mm	0	3.5		75	5286	
	0	3.5		100	5286H	
	1	4		75	5287	
	1	4		100	5287H	
 HR 45 45 mm	0	3.5		75	52856	
	0	3.5		100	52856H	
	1	4		75	52857	
	1	4		100	52857H	
 HR 50 50 mm	1	4		100	5297H	
	2	5		100	5298H	
 <b>1/2 circle, round-bodied, heavy</b> 1/2 cercle, corps rond, renforcée    1/2 Kreis, Rundkörper, stark						
 HRG 32 32 mm	2-0	3		150	53355HF	<b>heavy needle, loop</b> aiguille renforcée, boucle starke Nadel, Schlinge
	0	3.5		150	53356HF	
 HRG 35 35 mm	0	3.5		150	53366HF	<b>heavy needle, loop</b> aiguille renforcée, boucle starke Nadel, Schlinge

# Nylon






















## Polyamide-Polyamide-Polyamid

monofilament, synthetic, non-absorbable  
monofilament, synthétique, non-résorbable  
Monofilament, synthetisch, 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>1/2 circle, round-bodied, heavy</b> 1/2 cercle, corps rond, renforcée    1/2 Kreis, Rundkörper, stark						
 HRG 38 38 mm	2-0	3		150	5345HF	<b>heavy needle, loop</b> aiguille renforcée, boucle starke Nadel, Schlinge
	0	3.5		150	5346HF	
	1	4		150	5347HF	
 HRG 40 40 mm	2-0	3		150	53415HF	<b>heavy needle, loop</b> aiguille renforcée, boucle starke Nadel, Schlinge
	0	3.5		150	53416HF	
	0	3.5		200	53416T	
	1	4		150	53417HF	
	2	5		150	53418HF	
 HRG 50 50 mm	0	3.5		150	53436HF	<b>heavy needle, loop</b> aiguille renforcée, boucle starke Nadel, Schlinge
	1	4		150	53437HF	
 <b>1/2 circle, reverse cutting</b> 1/2 cercle, tranchante    1/2 Kreis, schneidend						
 HS 17 17 mm	5-0	1		75	5672	
	4-0	1.5		75	5673	
	3-0	2		75	5674	
 HS 19 19 mm	4-0	1.5		75	5683	
	3-0	2		75	5684	
 HS 21 21 mm	4-0	1.5		75	56843	
	3-0	2		45	56844F	
	3-0	2		75	56844	
	2-0	3		75	56845	
 HS 24 24 mm	4-0	1.5		75	5693	
	3-0	2		75	5694	
	2-0	3		75	5695	
 HS 30 30 mm	3-0	2		75	5714	
	2-0	3		75	5715	
	0	3.5		75	5716	
 HS 35 35 mm	3-0	2		75	57014	
	2-0	3		75	57015	
	0	3.5		75	57016	
 HS 38 38 mm	3-0	2		75	5724	
	2-0	3		75	5725	
	0	3.5		75	5726	
	1	4		75	5727	
	1	4		100	5727H	
 HS 40 40 mm	0	3.5		75	5736	
	1	4		100	5737H	
	2	3.5		100	5738H	






















# Astralen® Polyester

braided, coated, synthetic, non-absorbable  
tressé, enduit, synthétique, non-résorbable  
geflochten, beschichtet, synthetisch, 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>1/2 circle, round-bodied</b> 1/2 cercle, corps rond    1/2 Kreis, Rundkörper						
HR 13 	5-0 4-0 3-0	1 1.5 2		75 75 75	3202 3203 3204	
HR 17 	5-0 4-0 3-0 2-0	1 1.5 2 3		75 75 75 75	3232 101 102 3235	
HR 20 	4-0 3-0 2-0 0	1.5 2 3 3.5		75 75 75 75	32353 32354 32355 32356	
HR 22 	4-0 3-0 2-0	1.5 2 3		75 75 75	3243 3244 3245	
HR 25 	4-0 3-0 2-0 0 1	1.5 2 3 3.5 4		75 75 75 75 75	32453 32454 32455 32456 32457	
HR 27 	4-0 3-0 2-0 0	1.5 2 3 3.5		75 75 75 75	103 104 105 3256	
HR 30 	0 1	3.5 4		75 75	32556 32557	
HR 32 	3-0 2-0 0 1	2 3 3.5 4		75 75 75 75	3264 3265 3266 3267	
HR 35 	2-0 0 1	3 3.5 4		75 75 75	32655 32656 32657	
HR 38 	3-0 2-0 0 1 2	2 3 3.5 4 5		75 75 75 75 75	3274 106 107 3277 108	
























# Astralen® Polyester

braided, coated, synthetic, non-absorbable  
tressé, enduit, synthétique, non-résorbable  
geflochten, beschichtet, synthetisch, 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>1/2 circle, round-bodied</b> 1/2 cercle, corps rond    1/2 Kreis, Rundkörper						
HR 40 	2-0 0 1	3 3.5 4		75 75 75	3285 3286 3287	
HR 45 	0 1 2	3.5 4 5		75 75 75	32856 32857 32858	
 <b>1/2 circle, round-bodied, double-armed</b> 1/2 cercle, corps rond, double-armée    1/2 Kreis, Rundkörper, doppelt-armiert						
2xHR 17 	4-0 4-0 3-0 3-0 2-0 2-0	1.5 1.5 2 2 3 3		75 90 75 90 75 90	901 901N 902 902N 3875 3875N	
2xHR 25 	3-0 3-0 2-0 2-0	2 2 3 3		75 90 75 90	38854 38854N 38855 38855N	
2xHR 27 	3-0 3-0 2-0 2-0 0	2 2 3 3 3.5		75 90 75 90 75	903 903N 904 904N 905	
2xHR 35 	2-0	3		90	38975N	
 <b>1/2 circle, round-bodied, heavy</b> 1/2 cercle, corps rond, renforcée    1/2 Kreis, Rundkörper, stark						
HRG 27 	2-0 0 1 2	3 3.5 4 5		75 75 75 75	3335 3336 3337 3338	<b>heavy needle</b> aiguille renforcée starke Nadel
HRG 35 	0 1	3.5 4		75 75	33366 33367	<b>heavy needle</b> aiguille renforcée starke Nadel
HRG 38 	2-0 0	3 3.5		75 75	3345 3346	<b>heavy needle</b> aiguille renforcée starke Nadel




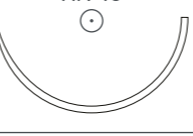















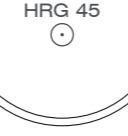

# AssuCryl® MonoSlow (PDO)

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</b> 1/2 cercle, corps rond    1/2 Kreis, Rundkörper						
HR 13 	13 mm	6-0 5-0 4-0	0.7 1 1.5		45 45 45	MS4201F MS4202F MS4203F
HR 17 	17 mm	5-0 5-0 4-0 4-0 3-0	1 1 1.5 1.5 2		75 90 75 90 75	MS4232 MS4232N MS4233 MS4233N MS4234
HR 17 	17 mm	5-0	1		75	MS4232-AR <b>black needle</b> aiguille noire schwarze Nadel
HR 20 	20 mm	4-0 4-0 3-0 3-0 2-0 0	1.5 1.5 2 2 3 3.5		75 75 75 75 75 75	MS42353 MS42353-SL MS42354 MS42354-SL MS42355 MS42356 <i>slim needle, aiguille fine, feine Nadel</i> <i>slim needle, aiguille fine, feine Nadel</i>
HR 20 	20 mm	4-0	1.5		75	MS42353-AR <b>black needle</b> aiguille noire schwarze Nadel
HR 22 	22 mm	4-0 3-0 2-0	1.5 2 3		75 75 75	MS4243 MS4244 MS4245
HR 22 	22 mm	4-0	1.5		75	MS4243-AR <b>black needle</b> aiguille noire schwarze Nadel
HR 25 	25 mm	4-0 3-0 2-0 2-0 0 1	1.5 2 3 3 3.5 4		75 75 75 75 75 75	MS42453 MS42454 MS42455 MS42455-SL MS42456 MS42457 <i>slim needle, aiguille fine, feine Nadel</i>
HR 25 	25 mm	3-0 2-0	2 3		75 75	MS42454-AR MS42455-AR <b>black needle</b> aiguille noire schwarze Nadel
HR 27 	27 mm	3-0 2-0 0	2 3 3.5		75 75 75	MS4254 MS4255 MS4256
HR 30 	30 mm	3-0 3-0 3-0 2-0 0 1	2 2 2 3 3.5 4		90 75 75 75 75 75	MS42554N MS42554 MS42554-SL MS42555 MS42556 MS42557 <i>slim needle, aiguille fine, feine Nadel</i>



















































# 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</b> 1/2 cercle, corps rond    1/2 Kreis, Rundkörper						
HR 35 	35 mm	2-0 0 0 1 1	3 3.5 3.5 4 4		75 75 90 75 90	MS42655 MS42656 MS42656N MS42657 MS42657N
HR 40 	40 mm	2-0 0 1 2	3 3.5 4 5		75 75 75 75	MS4285 MS4286 MS4287 MS4288
HR 40 	40 mm	1	4		150	MS4287HF <b>loop</b> boucle Schlinge
 <b>1/2 circle, round-bodied, double-armed</b> 1/2 cercle, corps rond, double-armée    1/2 Kreis, Rundkörper, doppelt-armiert						
2xHR 13 	13 mm	6-0 5-0	0.7 1		75 75	MS4861 MS4862
 <b>1/2 circle, round-bodied, heavy</b> 1/2 cercle, corps rond, renforcée    1/2 Kreis, Rundkörper, stark						
HRG 27 	27 mm	2-0 0 1	3 3.5 4		75 75 75	MS4335 MS4336 MS4337 <b>heavy needle</b> aiguille renforcée starke Nadel
HRG 38 	38 mm	0 1 2	3.5 4 5		90 90 90	MS4346N MS4347N MS4348N <b>heavy needle</b> aiguille renforcée starke Nadel
HRG 40 	40 mm	0 0 1 1 1 2 2 2	3.5 3.5 4 4 4 5 5 5		75 90 75 90 100 75 90	MS43416 MS43416N MS43417 MS43417N MS43417H MS43418 MS43418N <b>heavy needle</b> aiguille renforcée starke Nadel
HRG 40 	40 mm	0 1	3.5 4		150 150	MS43416HF MS43417HF <b>heavy needle, loop</b> aiguille renforcée, boucle starke Nadel, Schlinge
HRG 45 	45 mm	1	4		90	MS43427N <b>heavy needle</b> aiguille renforcée starke Nadel







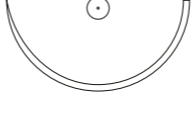






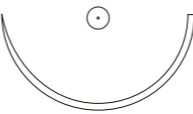























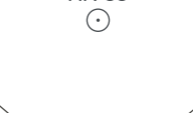



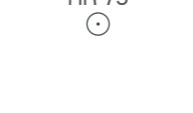

# AssuCryl<sup>®</sup> Lactin (PGLA)

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	








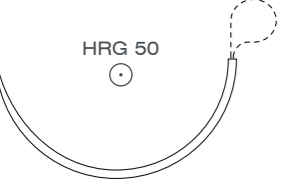


































# AssuCryl<sup>®</sup> Lactin (PGLA)

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	





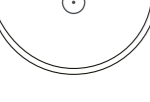





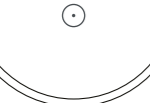



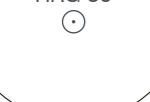

# AssuCryl® MonoSlow (PDO)

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	



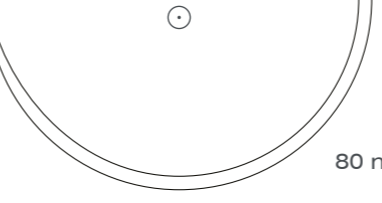



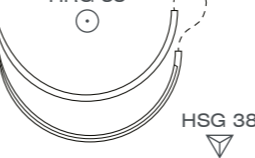

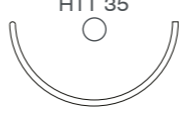

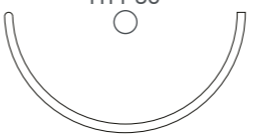

# AssuCryl<sup>®</sup> Lactin (PGLA)

















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





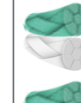












Needle Code and Length Code Aiguille et Longueur Nadel-Code und Länge	USP	Metric	Color Couleur Farbe	Length Longueur Länge (cm)	Catalogue N°/Ref Réf. catalogue/Ref Katalog-Nr/Ref	Additional information Information complémentaire Zusatzinformation
<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">●</span> <b>1/2 circle, round-bodied, heavy</b> 1/2 cercle, corps rond, renforcée 1/2 Kreis, Rundkörper, stark						
 HRG 27 27 mm	3-0	2		75	L4334	<b>heavy needle</b> aiguille renforcée starke Nadel
	2-0	3		75	L4335	
	0	3.5		75	L4336	
	1	4		75	L4337	
 HRG 30 30 mm	2-0	3		75	L43325	<b>heavy needle</b> aiguille renforcée starke Nadel
	0	3.5		75	L43326	
	1	4		75	L43327	
 HRG 35 35 mm	2-0	3		75	L43365	<b>heavy needle</b> aiguille renforcée starke Nadel
	0	3.5		75	L43366	
	0	3.5		90	L43366N	
	1	4		90	L43367N	
 HRG 38 38 mm	2-0	3		75	L4345	<b>heavy needle</b> aiguille renforcée starke Nadel
	2-0	3		90	L4345N	
	0	3.5		75	L4346	
	0	3.5		90	L4346N	
	1	4		75	L4347	
	1	4		90	L4347N	
 HRG 40 40 mm	0	3.5		75	L43416	<b>heavy needle</b> aiguille renforcée starke Nadel
	0	3.5		90	L43416N	
	1	4		75	L43417	
	1	4		90	L43417N	
	1	4		100	L43417H	
	2	5		75	L43418	
 HRG 45 45 mm	0	3.5		75	L43426	<b>heavy needle</b> aiguille renforcée starke Nadel
	1	4		75	L43427	
	2	5		75	L43428	
 HRG 45 45 mm	0	3.5		75	L43426-Loop	<b>heavy needle, loop</b> aiguille renforcée, boucle starke Nadel, Schlinge
 HRG 50 50 mm	0	3.5		75	L43436	<b>heavy needle</b> aiguille renforcée starke Nadel
	0	3.5		90	L43436N	
	1	4		75	L43437	
	1	4		90	L43437N	
	1	4		100	L43437H	
	2	5		75	L43438	
	2	5	90	L43438N		
	2	5	100	L43438H		

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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
<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">●</span> <b>1/2 circle, round-bodied, heavy</b> 1/2 cercle, corps rond, renforcée 1/2 Kreis, Rundkörper, stark						
 HRG 65 65 mm	2-0	3		75	L43445	<b>heavy needle</b> aiguille renforcée starke Nadel
 HRG 80 80 mm	1	4		90	L43487N	<b>heavy needle</b> aiguille renforcée starke Nadel
	1	4		100	L43487H	
<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">●</span> <b>Fish hook, round-bodied, heavy</b> Hameçon, corps rond, renforcée J-Form, Rundkörper, stark						
 HMRG 35 35 mm	0	3.5		75	L426636	<b>heavy needle</b> aiguille renforcée starke Nadel
<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">●</span> <b>1/2 circle, round-bodied, heavy &amp; 1/2 circle, reverse cutting, heavy</b> 1/2 cercle, corps rond, renforcée & 1/2 cercle, tranchante, renforcée 1/2 Kreis, Rundkörper, stark & 1/2 Kreis, schneidend, stark						
 HRG 38 38 mm	2-0	3		135	L48575HTF	<b>heavy needles</b> aiguilles renforcées starke Nadeln
<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">○</span> <b>1/2 circle, round-bodied, blunt point</b> 1/2 cercle, corps rond, pointe émoussée 1/2 Kreis, Rundkörper, stumpfe Spitze						
 HTT 35 35 mm	2-0	3		75	L48645	
	0	3.5		75	L48646	
 HTT 50 50 mm	1	4		90	L46267N	

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>Astralen®/ Polyester for valve replacement</b> Astralen®/ Polyester pour remplacement de valve Astralen®/ Polyester für Herzklappenersatz						
<b>1/2 circle, cutting taper, double-armed</b> 1/2 cercle, corps rond, tranchante, double-armée 1/2 Kreis, Rundkörper, schneidend, doppelt-armiert						
 2xHSR 18 18 mm	2-0	3		75	CV3945-371x10	<b>5 green &amp; 5 white sutures with 3x7x1.1mm oval firm pledgets</b> 5 sutures vertes & 5 blanches avec pledgets durs ovales 3x7x1.1mm 5 grüne & 5 weisse Fäden mit ovalen festen Pledgets 3x7x1.1mm
	2-0	3		75	CV3945-37x10	<b>5 green &amp; 5 white sutures with 3x7x1.5mm oval firm pledgets</b> 5 sutures vertes & 5 blanches avec pledgets durs ovales 3x7x1.5mm 5 grüne & 5 weisse Fäden mit ovalen festen Pledgets 3x7x1.5mm
	2-0	3		75	CV3945-33x10	<b>5 green &amp; 5 white sutures with 3x3x1.5mm round firm pledgets</b> 5 sutures vertes & 5 blanches avec pledgets durs ronds 3x3x1.5mm 5 grüne & 5 weisse Fäden mit runden festen Pledgets 3x3x1.5mm
	2-0	3		75	CV3945x10	<b>5 green &amp; 5 white sutures</b> 5 sutures vertes & 5 blanches 5 grüne & 5 weisse Fäden
 2xHSR 25 25 mm	2-0	3		75	CV39485-37x10	<b>5 green &amp; 5 white sutures with 3x7x1.5mm oval firm pledgets</b> 5 sutures vertes & 5 blanches avec pledgets durs ovales 3x7x1.5mm 5 grüne & 5 weisse Fäden mit ovalen festen Pledgets 3x7x1.5mm
	2-0	3		75	CV39485x10	<b>5 green &amp; 5 white sutures</b> 5 sutures vertes & 5 blanches 5 grüne & 5 weisse Fäden
 2xHSR 26 26 mm	2-0	3		75	CV39495-AR-36x8	<b>4 green &amp; 4 white sutures with 3x6x1.5mm oval firm pledgets black needles</b> 4 sutures vertes & 4 blanches avec pledgets durs ovales 3x6x1.5mm aiguilles noires 4 grüne & 4 weisse Fäden mit ovalen festen Pledgets 3x6x1.5mm schwarze Nadeln
<b>3/8 circle, round-bodied, double-armed</b> 3/8 cercle, corps rond, double-armée 3/8 Kreis, Rundkörper, doppelt-armiert						
 2xTR 17 17 mm	2-0	3		90	CV3125N-37	<b>with 3x7x1.5mm oval firm pledgets</b> avec pledgets durs ovales 3x7x1.5mm mit ovalen festen Pledgets 3x7x1.5mm
	2-0	3		75	CV3125-37x10	<b>5 green &amp; 5 white sutures with 3x7x1.5mm oval firm pledgets</b> 5 sutures vertes & 5 blanches avec pledgets durs ovales 3x7x1.5mm 5 grüne & 5 weisse Fäden mit ovalen festen Pledgets 3x7x1.5mm
	2-0	3		75	CV3125-35x10	<b>5 green &amp; 5 white sutures with 3x5x1.5mm oval firm pledgets</b> 5 sutures vertes & 5 blanches avec pledgets durs ovales 3x5x1.5mm 5 grüne & 5 weisse Fäden mit ovalen festen Pledgets 3x5x1.5mm
	2-0	3		75	CV3125-33x10	<b>5 green &amp; 5 white sutures with 3x3x1.5mm round firm pledgets</b> 5 sutures vertes & 5 blanches avec pledgets durs ronds 3x3x1.5mm 5 grüne & 5 weisse Fäden mit runden festen Pledgets 3x3x1.5mm
	2-0	3		75	CV3125x10	<b>5 green &amp; 5 white sutures</b> 5 sutures vertes & 5 blanches 5 grüne & 5 weisse Fäden

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>Astralen®/ Polyester for valve replacement</b> Astralen®/ Polyester pour remplacement de valve Astralen®/ Polyester für Herzklappenersatz						
<b>3/8 circle, round-bodied, double-armed</b> 3/8 cercle, corps rond, double-armée 3/8 Kreis, Rundkörper, doppelt-armiert						
 2xTR 20 20 mm	2-0	3		75	CV31225-37x10	<b>5 green &amp; 5 white sutures with 3x7x1.5mm oval firm pledgets</b> 5 sutures vertes & 5 blanches avec pledgets durs ovales 3x7x1.5mm 5 grüne & 5 weisse Fäden mit ovalen festen Pledgets 3x7x1.5mm
	2-0	3		75	CV31265-37x10	<b>5 green &amp; 5 white sutures with 3x7x1.5mm oval firm pledgets</b> 5 sutures vertes & 5 blanches avec pledgets durs ovales 3x7x1.5mm 5 grüne & 5 weisse Fäden mit ovalen festen Pledgets 3x7x1.5mm
 2xTR 25 25 mm	2-0	3		75	CV31265x10	<b>5 green &amp; 5 white sutures</b> 5 sutures vertes & 5 blanches 5 grüne & 5 weisse Fäden
	2-0	3		90	CV31265Nx10	<b>5 green &amp; 5 white sutures</b> 5 sutures vertes & 5 blanches 5 grüne & 5 weisse Fäden
<b>3/8 circle, cutting taper, double-armed</b> 3/8 cercle, corps rond, tranchante, double-armée 3/8 Kreis, Rundkörper, schneidend, doppelt-armiert						
 2xTSR 18 18 mm	2-0	3		75	CV39915-37	<b>with 3x7x1.5mm oval firm pledgets</b> avec pledgets durs ovales 3x7x1.5mm mit ovalen festen Pledgets 3x7x1.5mm
	2-0	3		75	CV39915-37x10	<b>5 green &amp; 5 white sutures with 3x7x1.5mm oval firm pledgets</b> 5 sutures vertes & 5 blanches avec pledgets durs ovales 3x7x1.5mm 5 grüne & 5 weisse Fäden mit ovalen festen Pledgets 3x7x1.5mm
	2-0	3		75	CV39915-33x10	<b>5 green &amp; 5 white sutures with 3x3x1.5mm round firm pledgets</b> 5 sutures vertes & 5 blanches avec pledgets durs ronds 3x3x1.5mm 5 grüne & 5 weisse Fäden mit runden festen Pledgets 3x3x1.5mm
	2-0	3		75	CV39915x10	<b>5 green &amp; 5 white sutures</b> 5 sutures vertes & 5 blanches 5 grüne & 5 weisse Fäden
 2xTSR 18 18 mm	2-0	3		75	CV39915-AR-36x8	<b>4 green &amp; 4 white sutures with 3x6x1.5mm oval firm pledgets black needles</b> 4 sutures vertes & 4 blanches avec pledgets durs ovales 3x6x1.5mm aiguilles noires 4 grüne & 4 weisse Fäden mit ovalen festen Pledgets 3x6x1.5mm schwarze Nadeln
 2xTSR 25 25 mm	2-0	3		75	CV39975-37x10	<b>5 green &amp; 5 white sutures with 3x7x1.5mm oval firm pledgets</b> 5 sutures vertes & 5 blanches avec pledgets durs ovales 3x7x1.5mm 5 grüne & 5 weisse Fäden mit ovalen festen Pledgets 3x7x1.5mm
	2-0	3		90	CV39975N-37x10	<b>5 green &amp; 5 white sutures</b> 5 sutures vertes & 5 blanches 5 grüne & 5 weisse Fäden
	2-0	3		75	CV39975x10	<b>5 green &amp; 5 white sutures</b> 5 sutures vertes & 5 blanches 5 grüne & 5 weisse Fäden
























# Astralen® Polyester

braided, coated, synthetic, non-absorbable  
tressé, enduit, synthétique, non-résorbable  
geflochten, beschichtet, synthetisch, 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>Pre-cut sutures without needle on reel</b> Sutures pré-coupées sans aiguille sur bobine Fäden ohne Nadel auf Spule							
	5-0	1		1x150	B30032		
	4-0	1.5		1x150	B30033		
	3-0	2		1x150	B30034		
	2-0	3		1x150	B30035		
	0	3.5		1x150	B30036		
	1	4		1x150	B30037		
	2	5		1x150	B30038		
	5-0	1		1x250	B3092		
	4-0	1.5		1x250	B3093		
	3-0	2		1x250	B3094		
	2-0	3		1x250	B3095		
	0	3.5		1x250	B3096		
	1	4		1x250	B3097		
	2	5		1x250	B3098		
	<b>Ophthalmic sutures</b> Sutures ophtalmiques Ophthalmologie						
 <b>1/2 circle, spatula, double-armed</b> 1/2 cercle, spatulée, double-armée 1/2 Kreis, Spatula, doppelt-armiert							
	8 mm	5-0	1		45	322085	350 Mi.
		5-0	1		45	322085W	350 Mi.
 <b>1/4 circle, spatula, double-armed</b> 1/4 cercle, spatulée, double-armée 1/4 Kreis, Spatula, doppelt-armiert							
	8 mm	6-0	0.7		45	332986	300 Mi.
		5-0	1		45	332085	350 Mi.
		5-0	1		45	332085W	350 Mi.
		4-0	1.5		45	3324584W	400 Mi.

# Astralen® Polyester





















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<b>Astralen®/ Polyester for valve replacement</b> Astralen®/ Polyester pour remplacement de valve Astralen®/ Polyester für Herzklappenersatz							
 <b>1/2 circle, round-bodied, double-armed</b> 1/2 cercle, corps rond, double-armée 1/2 Kreis, Rundkörper, doppelt-armiert							
	17 mm	2-0	3		75	CV3875-37x10	<b>5 green &amp; 5 white sutures with 3x7x1.5mm oval firm pledgets</b> 5 sutures vertes & 5 blanches avec pledgets durs ovales 3x7x1.5mm 5 grüne & 5 weisse Fäden mit ovalen festen Pledgets 3x7x1.5mm
		2-0	3		75	CV3875-351x10	<b>5 green &amp; 5 white sutures with 3x5x1.1mm oval firm pledgets</b> 5 sutures vertes & 5 blanches avec pledgets durs ovales 3x5x1.1mm 5 grüne & 5 weisse Fäden mit ovalen festen Pledgets 3x5x1.1mm
		2-0	3		75	CV3875-35x10	<b>5 green &amp; 5 white sutures with 3x5x1.5mm oval firm pledgets</b> 5 sutures vertes & 5 blanches avec pledgets durs ovales 3x5x1.5mm 5 grüne & 5 weisse Fäden mit ovalen festen Pledgets 3x5x1.5mm
		2-0	3		75	CV3875-33	
		2-0	3		75	CV3875W-33	
		2-0	3		90	CV3875N-33	<b>with 3x3x1.5mm round firm pledgets</b> avec pledgets durs ronds 3x3x1.5mm mit runden festen Pledgets 3x3x1.5mm
		2-0	3		90	CV3875WN-33	
		2-0	3		75	CV3875-33x10	<b>5 green &amp; 5 white sutures with 3x3x1.5mm round firm pledgets</b> 5 sutures vertes & 5 blanches avec pledgets durs ronds 3x3x1.5mm 5 grüne & 5 weisse Fäden mit runden festen Pledgets 3x3x1.5mm
		2-0	3		75	CV3875x10	<b>5 green &amp; 5 white sutures</b> 5 sutures vertes & 5 blanches 5 grüne & 5 weisse Fäden
			20 mm	2-0	3		75
2-0	3				75	CV38755-37x10	<b>5 green &amp; 5 white sutures with 3x7x1.5mm oval firm pledgets</b> 5 sutures vertes & 5 blanches avec pledgets durs ovales 3x7x1.5mm 5 grüne & 5 weisse Fäden mit ovalen festen Pledgets 3x7x1.5mm
	25 mm	2-0	3		75	CV38855-37	<b>with 3x7x1.5mm oval firm pledgets</b> avec pledgets durs ovales 3x7x1.5mm mit ovalen festen Pledgets 3x7x1.5mm
		2-0	3		75	CV38855W-37	
		2-0	3		75	CV38855-371x10	<b>5 green &amp; 5 white sutures with 3x7x1.1mm oval firm pledgets</b> 5 sutures vertes & 5 blanches avec pledgets durs ovales 3x7x1.1mm 5 grüne & 5 weisse Fäden mit ovalen festen Pledgets 3x7x1.1mm
		2-0	3		75	CV38855-37x10	<b>5 green &amp; 5 white sutures with 3x7x1.5mm oval firm pledgets</b> 5 sutures vertes & 5 blanches avec pledgets durs ovales 3x7x1.5mm 5 grüne & 5 weisse Fäden mit ovalen festen Pledgets 3x7x1.5mm
		2-0	3		75	CV38855x10	
		2-0	3		90	CV38855Nx10	<b>5 green &amp; 5 white sutures</b> 5 sutures vertes & 5 blanches 5 grüne & 5 weisse Fäden
	25 mm	2-0	3		75	CV38855-AR-36x8	<b>4 green &amp; 4 white sutures with 3x6x1.5mm oval firm pledgets black needles</b> 4 sutures vertes & 4 blanches avec pledgets durs ovales 3x6x1.5mm aiguilles noires 4 grüne & 4 weisse Fäden mit ovalen festen Pledgets 3x6x1.5mm schwarze Nadeln




















# Silk-Soie-Seide

braided, coated, non-absorbable  
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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>3/8 circle, round-bodied</b> 3/8 cercle, corps rond    3/8 Kreis, Rundkörper						
 TR 13 13 mm	6-0 5-0 4-0 3-0	0.7 1 1.5 2		75 75 75 75	632 633 6423 6424	
 TR 17 17 mm	5-0 4-0 3-0 2-0	1 1.5 2 3		75 75 75 75	634 635 636 6435	
 TR 22 22 mm	5-0 4-0 3-0 2-0 0	1 1.5 2 3 3.5		75 75 75 75 75	6442 6443 6444 6445 6446	
 TR 27 27 mm	3-0 2-0 0 1	2 3 3.5 4		75 75 75 75	6454 6455 6456 6457	
 TR 32 32 mm	3-0 2-0 0 1 2	2 3 3.5 4 5		75 75 75 75 75	6464 6465 6466 6467 6468	
 TR 38 38 mm	2-0 0 1 2	3 3.5 4 5		75 75 75 75	6475 6476 6477 6478	
 <b>3/8 circle, reverse cutting</b> 3/8 cercle, tranchante    3/8 Kreis, schneidend						
 TS 12 12 mm	6-0 5-0 5-0 4-0 4-0	0.7 1 1 1.5 1.5		45 45 75 45 75	643F 644F 644 645F 645	
 TS 15 15 mm	6-0 5-0 4-0 3-0 2-0	0.7 1 1.5 2 3		75 75 75 75 75	6531 6532 6533 6534 6535	
 TS 17 17 mm	6-0 5-0 4-0 3-0 2-0	0.7 1 1.5 2 3		75 75 75 75 75	659 660 6543 6544 6545	

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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>3/8 circle, reverse cutting</b> 3/8 cercle, tranchante    3/8 Kreis, schneidend						
 TS 19 19 mm	5-0 4-0 4-0 3-0 3-0 2-0	1 1.5 1.5 2 2 3		75 75 75 75 75 75	646 647 647-SL 648 648-SL 6555	slim needle, aiguille fine, feine Nadel slim needle, aiguille fine, feine Nadel
 TS 22 22 mm	4-0 3-0	1.5 2		75 75	65543 65544	
 TS 24 24 mm	4-0 3-0 3-0 2-0 2-0 0 1	1.5 2 2 3 3 3.5 4		75 45 75 45 75 75 75	649 650F 650 651F 651 6566 6567	
 TS 27 27 mm	4-0 3-0 2-0 2-0 0 1	1.5 2 3 3 3.5 4		75 75 45 75 75 75	652 653 654F 654 6576 6577	
 TS 30 30 mm	4-0 3-0 2-0 0 1	1.5 2 3 3.5 4		75 75 75 75 75	6583 655 656 6586 6587	
 TS 35 35 mm	3-0 2-0 2-0 2-0 0 1 2	2 3 3 3 3.5 4 5		75 75 90 100 75 75 75	65854 65855 65855N 65855H 65856 65857 65858	
 TS 38 38 mm	3-0 2-0 0 1 2	2 3 3.5 4 5		75 75 75 75 75	657 658 6596 6597 6598	
 TS 40 40 mm	0	3.5		75	65936	

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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	5-0 4-0	1 1.5		75 75	601 602	
HR 17 17 mm	6-0 5-0 4-0 3-0 2-0	0.7 1 1.5 2 3		75 75 75 75 75	6231 603 604 605 6235	
HR 20 20 mm	4-0 3-0 2-0	1.5 2 3		75 75 75	62353 62354 62355	
HR 22 22 mm	6-0 5-0 4-0 3-0 2-0 0	0.7 1 1.5 2 3 3.5		75 75 75 75 75 75	6241 6242 606 607 6245 6246	
HR 25 25 mm	4-0 3-0 2-0	1.5 2 3		75 75 75	62453 62454 62455	
HR 27 27 mm	4-0 3-0 2-0 0 1 2	1.5 2 3 3.5 4 5		75 75 75 75 75 75	608 609 610 6256 6257 6258	
HR 30 30 mm	3-0 2-0 0 1	2 3 3.5 4		75 75 75 75	62554 62555 62556 62557	
HR 32 32 mm	3-0 2-0 0 1 2 3&4	2 3 3.5 4 5 6		75 75 75 75 75 75	6264 6265 6266 6267 6268 6269	
HR 35 35 mm	2-0 0 1	3 3.5 4		75 75 75	62655 62656 62657	
HR 38 38 mm	3-0 2-0 0 1 2 3&4	2 3 3.5 4 5 6		75 75 75 75 75 75	611 612 613 6277 6278 6279	

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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 40 40 mm	2-0 0 1 2	3 3.5 4 5		75 75 75 75	6285 6286 6287 6288	
HR 50 50 mm	2-0 0 1 2	3 3.5 4 5		75 75 75 75	6295 6296 6297 6298	
HR 55 55 mm	2-0 0	3 3.5		100 100	6305H 6306H	
HR 65 65 mm	1 2 3&4	4 5 6		75 75 75	62987 62988 62989	
1/2 circle, round-bodied, heavy						1/2 cercle, corps rond, renforcée
						1/2 Kreis, Rundkörper, stark
HRG 32 32 mm	1	4		75	63357	<b>heavy needle</b> aiguille renforcée starke Nadel
HRG 38 38 mm	2-0 0 1 1 2 2	3 3.5 4 4 5 5		75 75 75 90 75 90	6345 6346 6347 6347N 6348 6348N	<b>heavy needle</b> aiguille renforcée starke Nadel
HRG 40 40 mm	2-0 0 1 2 3&4	3 3.5 4 5 6		75 75 75 75 75	63415 63416 63417 63418 63419	<b>heavy needle</b> aiguille renforcée starke Nadel
1/2 circle, conventional cutting						1/2 cercle, tranchante conventionnelle
						1/2 Kreis, konventionell schneidend
HCS 22 22 mm	3-0 3-0	2 2		45 75	66864F-CC 66864-CC	



## LETTER OF AUTHORIZATION

To: whom it may concern

We, Assut Medical Sàrl located in Pully-Lausanne, Switzerland (tel.+41.21.728.64.35), are a manufacturer of sterile surgical sutures. Our general catalogue show only the most sold products worldwide but do not reflect the thousands of different sutures we are able to manufacture. We are a manufacturer of atraumatic needles (not an assembler like many other companies) and we are thus able to offer various products that sometimes are not mentioned in our general catalogue.

We, thus hereby authorize our representative for the Republic of Moldova – Medec Service SRL, or Chişinău, str. Academiei 3, of. 120, Republica Moldova, represented by Mr. Alexandru Captari to bid on their behalf and their own account in the Tender Nr. 21065114 with all our sterile surgical sutures including the following products manufactured by Assut Medical Sàrl, Switzerland which are not included in our catalogue:

- lot. 10 - AssuCryl®(PGA) TR 30 USP 1 90CM VIOLET 44557N
- lot. 14 - AssuCryl®(PGA) HR 20 USP 2-0 75CM VIOLET 42355
- lot. 18 - AssuCryl®(PGA) HR 20 USP 2-0 75CM VIOLET 42355
- lot. 19 - AssuCryl®(PGA) HR 25 USP 2-0 75CM VIOLET 42455
- lot. 25 - AssuCryl®(PGA) HRG 50 USP 2-0 75CM VIOLET 43435
- lot. 29 - AssuCryl®(PGA) HR 20 USP 3-0 90CM VIOLET 42354N
- lot. 30 - AssuCryl®(PGA) HR 17 USP 3-0 90CM VIOLET 4234N
- lot. 31 - AssuCryl®(PGA) HS 21 USP 3-0 75CM VIOLET 46844
- lot. 32 - AssuCryl®(PGA) HS 21 USP 3-0 75CM VIOLET 46844
- lot. 41 - AssuCryl®(PGA) HS 21 USP 4-0 75CM VIOLET 46843
- lot. 51 - AssuCryl®(PGA) HS 17 USP 5-0 75CM VIOLET 4672
- lot. 155 - Nylon/Polyamide TS 27 USP 2-0 45cm blue 5575F
- lot. 177 - AssuCryl® MonoSlow (PDO) HR 13 US 5-0 75cm violet MS4202
- lot. 207 - AssuCryl® MonoSlow (PDO) TS 17 USP 5-0 75cm violet MS4542
- lot. 228 – Silk HR 25 USP 0 75cm black 62456

Assut Medical Sàrl

~~Assut Medical Sàrl~~

~~Case postale 5~~

~~1009 Pully / Switzerland~~

Marc Baerfuss

Marketing & Sales Director

Pully, 10 November 2022