

New socket comfort –  
new features, new design!





## New socket comfort – new features, new design!

Streifeneder ortho production GmbH offers a high-quality full-range of lower limb prosthetics; consisting of a wide selection of silicone- and gel liners, application aids, stump socks and care products for the socket-comfort. All products feature first-class materials, maximum functionality and long durability. Numerous improved product characteristics provide even more stability and outstanding wearing comfort of leg-prostheses.

All items within our assortment are optimally compatible with each other and therefore enable the orthopaedic specialist to react accordingly to individual user requirements. Depending on user profile; the liners, application aids and stump socks are available in various types and special sizes. New materials, fabrics and prints as well as a modern colour concept provide an appealing look. Helpful measurement charts and detailed images facilitate the selection (please see the information in our prosthetics catalogue, chapter socket comfort on [www.streifeneder.com/op](http://www.streifeneder.com/op)).

## Liners with quality seal

To improve the hygienic conditions for liner wearers, we use special additives which produce an aseptic surface effect. One of our additives is “Sterione” and is supplied by a company with the same name, SteriOne GmbH. This patented technology grants that the treated liner material permanently inhibits infestation of bacteria and micro-organisms. The liners sold by Streifeneder ortho production GmbH have been awarded a quality seal and are approved as “antimicrobial”. The symbol shown below indicates the use of Sterione for antimicrobial effect. This effect has also been approved by one more, independent testing institute.

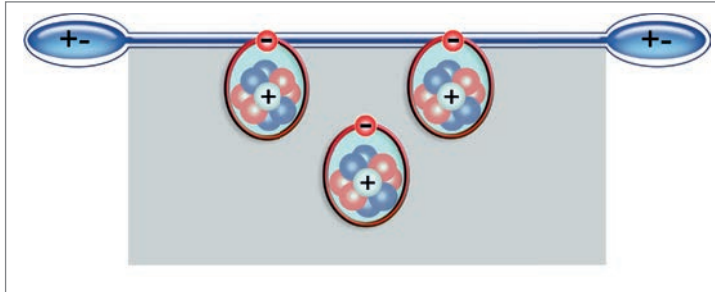


### The quality seal grants

- Effectiveness period of at least five years
- Elimination of 5 million germs per hour and square-centimeter
- The application of Sterione effectively prevents bacteria growth (e.g. pneumococco-bacilli and multi-resistant micro-organisms such as MRSA)
- Test strains *Staphylococcus aureus* and *Escherichia coli*

### What is the effect of Sterione?

Sterione has an effect on the surface tension of the treated products. The “tension vibrations” attack the metabolism of the germs, which causes primitive organisms to die. Depending on the dosage of the additives, the effect is more intense or weaker. The effect stays reliable and sustainable for many years.



Sterione prevents bacteria growth on our silicone-liners and provide maximum hygiene.

## The new liners by Streifeneder ortho production GmbH

The new liner-series features improved mechanical polymer characteristics. Additives with aseptic surface effects, rotation control as well as optimised mechanical properties of the functional fabric cover, provide maximum wearing comfort and improved stability. The name- and colour concept referring to the product features facilitates attribution and enables the specialist to quickly select the perfect liner for the user.

### New features

- Additives with aseptic surface effects
- Improved polymer features
- Distal rotation control for more stability
- Anti-rotation strips for above-knee liners AK-Control.Sil
- New functional cover fabric





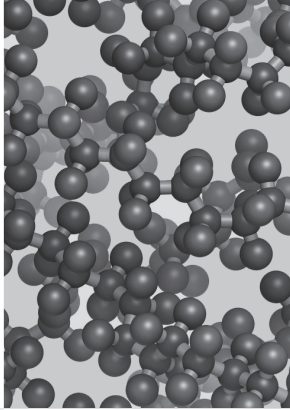
The new features at one glance





**Additives with aseptic  
surface effects**

prevents bacteria growth  
(e.g. pneumococco-  
bacilli and multi-resistant  
micro-organisms)



**Improved polymer  
features**

for excellent expansion  
and more stability



**Distal rotation control**

for more rotation stability  
between liner and socket  
and better guidance and  
control of the prosthesis



**Anti-rotation strips for  
above-knee liners  
AK-Control.Sil**

prevents twisting between  
liner and prosthetic socket



**New functional  
cover fabric**

for easily rolling the liner  
up or down, minimises  
longitudinal expansion



## Function of Liners

In orthopaedic technology, prosthetic care with silicone and polymer-gel-liners has been modern standard since approx. 20 years.

Accordingly, the term "polymer" means that the cushioning material has been made of "many identical particles". Silicone is a polymer material as well, excellently suitable for cushioning purposes in orthopaedic technology.

The softer and thicker the polymer layer is; the less suitable it is for higher activities resp. the shorter the lifespan of the polymer. Polymer-liners target the user group with level 1 or 2 in our walky-system or with very sensitive, bony residual limbs.

The thinner and more solid the polymer layer is, the more control of the prosthetic socket is provided and therefore it is suitable for patients with higher activity. The more solid material is usually silicone and therefore it is more durable than softer polymer. The user group for these liners usually are classified 2 to 4 in our walky-system.































### Benefits of Streifeneder-Liners for the user

- Maximum wearing comfort of the prosthetic socket
- Punctual and surface cushioning for bony, scarred and difficult residual limbs
- Shape stability for excess soft tissue
- Targeted stump compression for reduction and prevention of oedema; post operative and preventative
- Reduction of stump volume changes (stump fluctuations)
- Reduced elongation due to integrated, textile reinforcement
- Skin caring ingredients such as medical white oil provide protection and care
- Safe adaption between user's stump and prosthesis by means of proven pin- or cord lock or vacuum socket technology (VST)
- Simple handling, easy cleaning and guaranteed longevity
- Easy rolling up and down of the liner due to smooth fabric cover
- Less restraining prosthetic care possible (renouncement of high condylar guard or upper thigh cuff with lateral splint guard)



	ClearSil.compression	ClearSil.basic	ClearSil.stabil	ClearSil.cushion
Walky System		 Activity level: 2 to 4	 Activity level: 2 to 4	 Activity level: 2 to 4
Pear-shaped BK-stump (trans-tibial-stump) 	 post-operative			
Normal cylindrical BK-stump (trans-tibial-stump) 	 post-operative			
Bony conical BK-stump (trans-tibial-stump) 				 for pressure-sensitive residual limb ends
Cylindrical AK-stump (trans-femoral-stump) 	 post-operative			
Conical AK-stump (trans-femoral-stump) 	 post-operative			
 optimal  good  suitable				

2colourSil.basic	ComfortSil.basic ComfortSil.soft	ClassicSil.basic ClassicSil.soft	AKControl.Sil	ContexGel.basic ContexGel.soft ContecGel.soft+
				
Activity level: 1 to 3	Activity level: 1 to 3	Activity level: 2 to 4	Activity level: 1 to 4	Activity level: 1 to 2
●	● 3 mm basic	● 3 mm basic	●	● ●
● ●	● ● ● 3 mm basic	● ● ● 3 mm basic	● ● for large BK-stumps	● ● ●
●	● ● ● 6 mm soft	● ● ● 6 mm soft		● ● ●
			● ● ●	● ● ● use 3 mm version only
			●	● ● ● use 3 mm version only

## Silicone Liners

- Excellent cleaning properties by closed-pore surface
- Outstanding skin comfort, as silicone is physiologically safe
- Oils contained in the silicone moisturise the residual limb skin
- Thin liner wall provides at the same time good shape stability
- Good circular elasticity for stump fluctuations
- Low longitudinal tension of silicone liners with fabric cover
- Positive compression benefits the stump
- Excellently suited for early care (interim care)
- Resistant against body fluids, chlorine and UV-light; sterilisable at approx. 120 °C (248 °F)
- Special sizes with matrix length of up to 18 cm available upon request





#### ComfortSil.basic, 3 mm

Silicone Liner made of soft  
3 mm Comfort-Sil-Silicone

40L110/..  
with distal connection  
40L200/..  
without distal connection  
(in sizes 16 – 45)



#### ComfortSil.soft, 6 mm

Silicone Liner made of soft  
6 mm Comfort-Sil-Silicone

41L110/..  
with distal connection  
41L200/..  
without distal connection  
(in sizes 16 – 45)



#### ClassicSil.basic, 3 mm

Silicone Liner made of  
3 mm stable two layer  
Duo-Sil-Silicone

50L110/..  
with distal connection  
50L200/..  
without distal connection  
(in sizes 16 – 45)



#### ClassicSil.soft, 6 mm

Silicone Liner made of  
6 mm stable two layer  
Duo-Sil-Silicone

51L110/..  
with distal connection  
51L200/..  
without distal connection  
(in sizes 16 – 45)



#### AK-ControlSil, 2mm




AK silicone liner made of  
medium stable  
Control-Sil-Silicone

60L1/..  
with distal connection  
(in sizes 16 – 45)



## Gel Liners

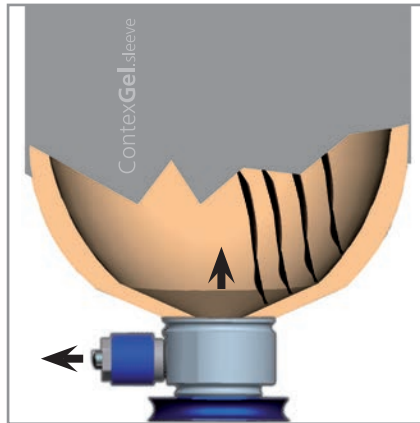
- „Flow characteristics“ (viscoelasticity) of the polymer gel provide even pressure distribution in the socket; e.g. significantly reduce pressure- and shear forces
- Medical white oils in the polymer gel provide care for the stressed stump skin and maintain the natural skin moisture
- Contex-Gel Liners are mouldable at 65° C (149° F) – for optimal adaption to unusual stump shapes
- Various ventral wall thicknesses (3, 6, 9 mm) with constant thin dorsal wall thickness (3 mm); e.g. additional cushioning for soft tissue substitution especially in pressure sensitive areas
- Conical liner shape for better adaption to most stump conditions
- Available with distal connection for all pin types and lock series sold by Streifeneder ortho production
- Available without distal connection for targeted stump moulding and for vacuum socket technology (VST)
- Excellently suited for prosthetic care of below-knee residual limbs, knee-ex articulations and above-knee residual limbs
- For users with difficult stumps and low to medium activity

		
<p><b>ContexGel.basic, 3/3 mm</b> Gel-Liner, 3 mm, made of soft ContexGel</p> <p>20L100/.. with distal connection 20L200/.. without distal connection (in sizes S, M, L, XL, XXL)</p>	<p><b>ContexGel.soft, 6/3 mm</b> Gel-Liner, anterior wall thickness 6 mm, posterior wall thickness 3 mm, made of soft ContexGel</p> <p>21L100/.. with distal connection 21L200/.. without distal connection (in sizes S, M, L, XL, XXL)</p>	<p><b>ContexGel.soft+, 9/3 mm</b> Gel-Liner, anterior wall thickness 9 mm, posterior wall thickness 3 mm, made of soft ContexGel</p> <p>22L100/.. with distal connection 22L200/.. without distal connection (in sizes S, M, L, XL, XXL)</p>

## Application aids

The application aids ContextGel.Knee Sleeve (30L1), AK- and BK-suspenders (300A1 and 23A1) by Streifeneder ortho production provide correct support and position of lower limb prostheses. Especially in vacuum socket technology (VST) for below-knee short prostheses, a closed system without air intrusion is very important. The ContextGel.Knee Sleeve works like a knee-resp. sealing cap; and prevents intrusion of air and together with the suspension valve, safely holds the lower limb prosthesis at the residual limb of the user.

Traditional varieties of prosthetic applications can be found in a modern version in our AK-Suspenders and BK-Suspenders. These so-called holding bandages for above-knee and below-knee prostheses also provide correct connections and at the same time support the guidance of leg prostheses (please also see our our prosthetics catalogue, chapter „socket comfort“ on [www.streifeneder.com/op](http://www.streifeneder.com/op)).





### Benefits for the user

- Easier putting the prosthesis on and better wearing guidance of the prosthesis with our without exhaust valve or liner system
- Slip resistant materials at the inside prevent slipping of the prosthetic socket
- Stable and reinforced transversely elastic fabrics optimally adapt to the stump shape
- Wide range of size variety covers individual user conditions



## Stump socks

Made of terrycloth, cotton or nylon, for BK or AK prosthetics – with our wide variety of stump socks and protective sleeves, Streifeneder ortho production GmbH is able to provide the best suitable product for every demand. All products feature maximum wearing comfort due to high quality materials and guarantee optimal cushioning effects even for difficult residual limb conditions.

Our product series „Streifyderm“ has been developed especially for below-knee prosthetic care. These stump socks consist of elastic nylon-fabric layers and soft cushioning polymer-gel. Streifyderm stump socks are pressure-relieving, washable and depending on material thickness, adapt to the socket construction.

With our exclusive series of DAW sleeves, we offer appreciated quality and reliability. They are worn directly on the skin to keep the skin dry and to reduce friction.

In our prosthetic catalogue on [www.streifeneder.com/op](http://www.streifeneder.com/op), you will find more information in the chapter „socket comfort“.

- Available with or without pin hole, in various thicknesses, materials and colours
- Provide increased life cycle of polymer liners
- Balancing effect for fluctuating residual limb volumes
- Additional cushioning for liners or inner hoppers
- Breathable
- Longevity







## Skin Care

Besides the selection of the correct liner resp. stump sock, additional skin protection and correct care and cleaning are essential for maximum wearing comfort.

Skin care products such as Skin-Care Washing Lotion (10H2) or Skin-Care Skin Protection Cream (10H3) help the user with the necessary daily liner- and skin care.





Streifeneder  
ortho production GmbH  
Moosfeldstrasse 10  
82275 Emmering  
Germany  
T +49 8141 6106-0  
F +49 8141 6106-70  
export@streifeneder.de  
www.streifeneder.com/op



300W102/E 2014-04

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