

SpanSet secutex®

01

Lifting
Buffer pad
Lifting equipment





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Topics in this catalogue

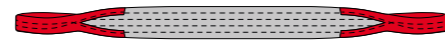
Why secutex?

There are many benefits of using textile-based lifting accessories. For example, the low weight, high capacity, easy handling, easy adaptation to the load or the low risk of injury. These advantages are complemented by the specific material

properties of secutex. secutex is soft, but extremely cut- and wear-resistant. High-quality surfaces and sensitive loads remain undamaged during lifting, while the textile lifting strap is protected from rough surface and „sharp edges“.

secutex

Textile



Lifting straps with secutex coatings are light, extremely cut- and wear-resistant and suitable for use against „sharp edges“.

Lightweight, easy to handle, but not suitable for sharp-edged loads or rough surfaces. Edge protectors or a protective sleeve are required.

The cable is not suitable for high-quality surfaces and sensitive loads. High weight, making it difficult to handle.

The chain is not suitable for high-quality surfaces and sensitive loads. Edge protection is required. Cutting injuries are possible.



Chain

Cable

What coatings are available?

There are two varieties available for secutex-coated lifting straps and protective sleeves: secutex itself is a polyurethane elastomer and is particularly cut- and wear-resistant. The soft coating provides effective protection for the textile weave against „sharp edges“ and rough surfaces. For use in permanent moisture select the „Tropic“ secutex version.

secutex Powerflex, on the other hand, is particularly thin and penetrates deep into the textiles. Foreign particles and liquids can no longer damage the textile from the inside. Powerflex is particularly abrasion-resistant and protects the high flexibility of the lifting strap. The „secugrip“ Powerflex variant also has a very high friction coefficient.

Topic or product	Chapter	Page
The secutex variants	01.1	22
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When to use a protective sleeve and when to use a fixed coating?

With a secutex protective sleeve, the lifting strap can move freely through the sleeve while the load „hooks“ into the soft surface. If movement by the lifting strap is not desired or if the load is to be

fixed, lifting straps with secutex fixed coatings are preferable. They are coated over the entire working surface. The load is in a fixed position, preventing movement.

Topic or product	Chapter	Page
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Topics in this catalogue

How to turn loads safely?

Turning loads is challenging. secutex protective sleeves are vital in this procedure. The exact length of the strap and protective sleeve are important factors. During lifting, the strap moves

freely through the protective sleeve while the latter remains motionless against the load. This means that turning 90° and even 180° is possible without any problem whatsoever.

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How is the „sharp edge“ defined?

The „sharp edge“ remains one of the main causes of damage to the strap itself and a frequent cause of accidents. The definition of the edge and the

Typee of edge present are very important for the selection of the suitable edge protection.

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Edge protector	01.5	92

Why is an additional edge protector often vital?

secutex edge protectors offer reliable protection for the load and the uncoated lifting strap, the round sling, the cable or the chain. They increase the radius at critical edges and are easy to use

in exiting lifting situations. The optional magnets allow the load to be positioned very easily.

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Which Types of strap, Types of loop and attachments are available?

secutex protection sleeves and secutex-coated lifting straps are perfectly suited to the SpanSet Group's lifting program. The combination of a secutex protective sleeve or secutex-coated lif-

ting strap with the corresponding loop Typee and correct attachments results in a lifting accessory perfectly suited to the lifting situation.

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secutex lifting program

Protective sleeves

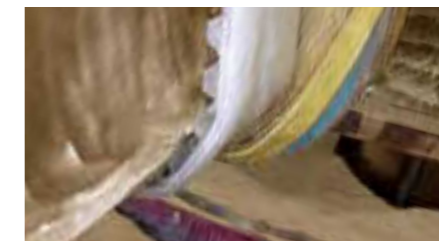
Flexible protection sleeve, protective sleeves. The protective sleeve catches the edge of the load while the lifting strap moves freely through the protective sleeve. The load and lifting strap are protected.



secutex protective sleeves „SF1“ and „SF2“, movable protective sleeve, single or double-sided



secumove movable protective sleeve



secuwave movable protective sleeve with wave profile



secutex split lifting strap, The solution for secure turning

Fixed coating

The secutex reliable fixed coating protects the lifting strap against cutting and abrasion. The secutex penetrates deep into the textile and protects it against foreign particles and liquids.



secuflex front side cut resistant, rear side abrasion



secutex fixed coating „S1“ and „S2“, single or double sided



Powerflex wear-resistant thin coating, surface sealed

Edge protector

The extremely robust secutex edge protectors protect the load, lifting strap, cable and chain. They increase the radius of the edge and prevent the „sharp edge“.



Edge protector for lifting straps [SWH]



Hinged edge protector for lifting straps [SK-B]



Simple edge protector for cables [SK-DE]



Hinged edge protector for chains [SK-K]

Products and Uses

Type	Powerflex sleeve	secumove	SFX	easyClip	veloxClip	SF-1	SF-2	Clip-SC	secuwave
Version	No coating Fully enclosed	Fixed protective sleeve, movable coating	Single-sided protection, rear side sealed	Simple protective sleeve, protected on one side	Flexible, flat protective sleeve, protected on one side	Protective sleeve, single-sided protection	Protective sleeve, double-sided protection	Clip Hose, single-sided protection	Protective sleeve with wave profile
Cross-section									
Smooth edge Not sharp	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Rough edge Not sharp	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Broken edge Sharp	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Rolled edge r > 2 mm, Sharp	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Very sharp edge* r < 2 mm	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
<div style="display: flex; justify-content: space-between; align-items: center;"> Increasing cut resistance >>> Increasing cut resistance >>> Increasing cut resistance >>> Increasing cut resistance >>> </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 10px;"> <div style="background-color: red; color: white; padding: 5px; border-radius: 15px;">Lift, don't turn!</div> <div style="background-color: green; color: white; padding: 5px; border-radius: 15px;">Turning is permitted.</div> </div>									

* Export advisor required!

● Our recommendation

○ Suitable

Applications: secutex fixed coating

Typee	Without secutex	Powerflex [PF]	secuflex [SX]	single-sided [S1]	Two-sided [S2]
Version	No coating	Fully enclosed	Single-sided protection, rear side sealed	single-sided coating	Two-sided coating
Cross-section					
Smooth edge Not sharp	●	○	○	○	○
Rough edge Not sharp		●	○	○	○
Broken edge Sharp			●	●	●
Rolled edge r > 2 mm, Sharp			●	●	●
Very sharp edge* r < 2 mm				○	○
	Increasing cut resistance >>>	Increasing cut resistance >>>	Increasing cut resistance >>>	Increasing cut resistance >>>	
Lift, don't turn!					

* Export advisor required!

● Our recommendation

○ Suitable



Why secutex-coated lifting straps perform better when chains and ropes give up.



How secutex-coated lifting straps protect your valuable load.

A large grey cylindrical object, possibly a pipe or a piece of machinery, is being lifted by two yellow lifting straps. The straps are attached to red metal hooks. A worker wearing a yellow hard hat and a high-visibility vest is visible in the background, looking up at the load. The scene is set in a construction site with wooden formwork and rebar visible.

How secutex-coated lifting straps protect the load and the user.

secutex stand for „Secure textile“. And it has done for more than 30 years. Over the years, SpanSet-secutex has grown into one of the major processors of compact polyurethane. Thanks to its extensive interaction with its customers, SpanSet-secutex knows its users' needs and the challenges with which secutex products are faced. As the leading manufacturer of polyurethane coated lifting straps and protective sleeves, we are constantly developing new solutions. Safe lifting and the protection of valuable goods are our main concern. Even difficult loads can be reliably solved with cut-resistant secutex coating.

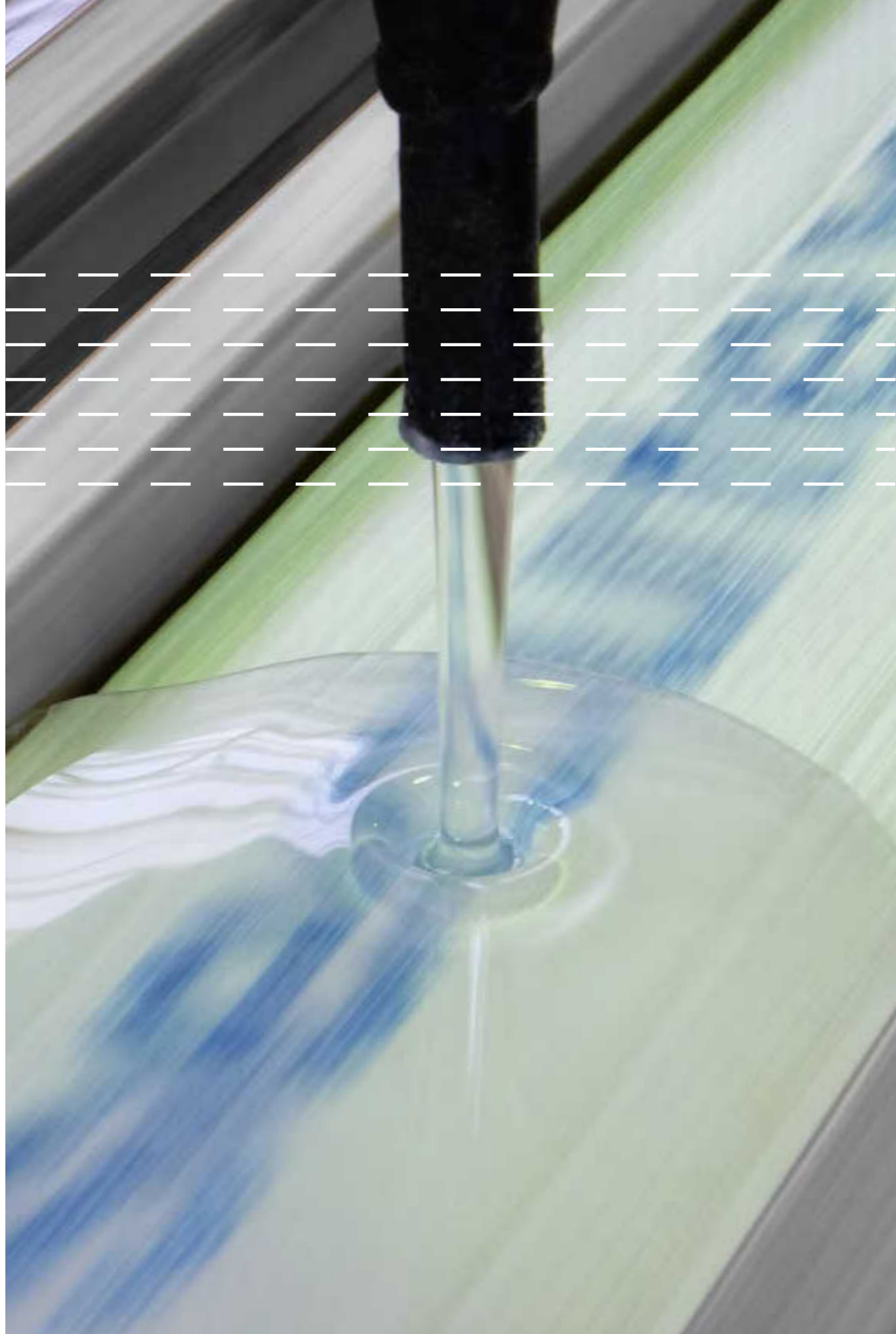
SpanSet-secutex is the specialist for lifting sharp-edged and heavy loads within the global SpanSet group. Give our expertise a try! Our well trained staff would be happy to advise you!


Petra Nießen
Managing Director

01.1

secutex coating

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secutex coating Lifting straps for extreme loads

There are many advantages in using textile lifting accessories such as lifting straps and round slings: low dead weight, high load capacities, easy handling, adapts perfectly to the load, limited risk of injury for the user, etc. The combination with cut-resistant secutex allows these advantages to be used when lifting sharp-edged loads.

secutex is an incredible polyurethane elastomer with particular physical and chemical properties:

high structural integrity

secutex is extremely cut- and wear-resistant. It has incredibly high structural strength in comparison with other chemical materials. This means that the polyurethane elastomer can, for example, be stretched to 500% of its original length without tearing.

Protects the load

Compared with regular rubber, secutex has significantly greater elasticity - even in the event of extreme temperature fluctuations. secutex-coated lifting straps adapt to the load softly and flexibly, increasing the radius of critical edges. The lifting forces generated there are transferred and distributed. This means that the sensitive load remains undamaged.

Extreme wear resistance

secutex is very long-lasting. The coating protects the textile lifting strap from rough surfaces. The closed surface keeps foreign particles, liquids and chemicals out and prevents them from destroying the strap from the inside. The textile fibres of the lifting strap remain undamaged.

Sustainably stable

No shrinking, no creasing. secutex keeps its shape even under intensive use and can be easily slid under the load. The secutex protective sleeves keep their length, reliably protecting the textile lifting accessory against the „sharp edges“.

0.01 SECUTEX COATING

secutex variations

secutex variations

secutex

Is particularly cut- and wear-resistant

Cut-resistant and extremely wear-resistant

secutex is a polyurethane elastomer with particular physical, chemical and mechanical characteristics. The secutex coating penetrates deep into the weave of the textile, creating an unbreakable bond.

The textile is protected against the penetration of foreign substances. Coated lifting straps are particularly cut-resistant and are used wherever the lifting strap might be damaged by the surface properties of the load or the load itself could be damaged by its properties.

secutex-coated lifting straps are particularly suited for use against the „sharp edge“. Further information about this special topic is included in Chapter „02.2 Sharp edge“.

Optimally adapted

Available in optimally-tuned degrees of hardness, the damping torque of the coating can be optimally adjusted to the lifting procedure and the properties of the load in question. If various secutex varieties are combined, their characteristics work together to form new products, which often offer new possibilities in processing - a competitive advantage that many of our customers use to their benefit.

Powerflex

Seals and protects against wear

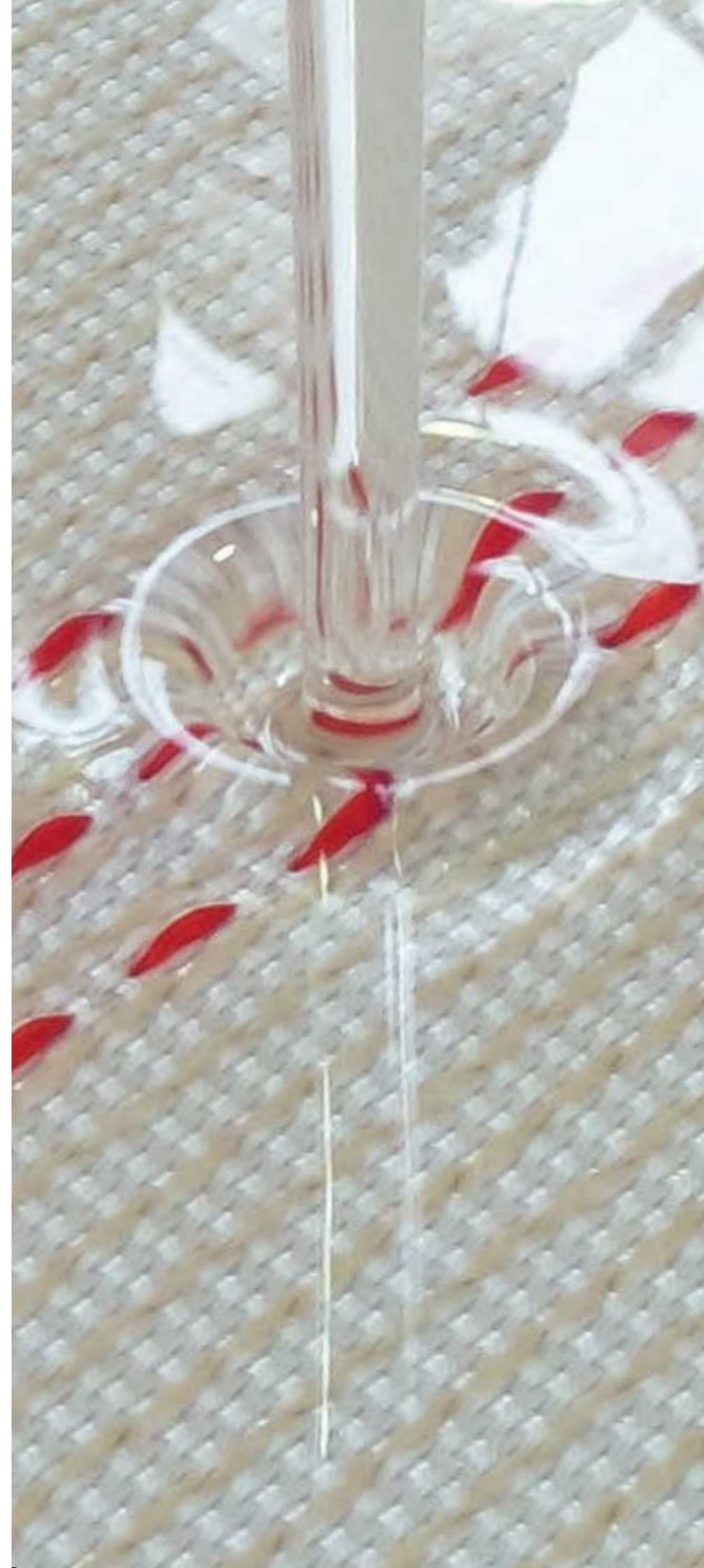
Textile protection

Foreign particles and liquids generally easily penetrate into the fibres of the lifting strap. If the contaminated lifting strap is put under load, foreign particles may cut through individual fibres and penetrating liquids may reduce or even cancel out the overall load bearing capacity of a lifting strap. In terms of the existing conditions of use, the protection of the fibres is therefore vital.

Secutex Powerflex is a particularly thin coating. The special manufacturing procedure allows „Powerflex“ to penetrate deep into the fibres, fully coating the textile strands. Foreign particles and liquids can then no longer penetrate and can be easily removed from the strap surface.

Double-sided coating

Powerflex is used anywhere where fibre protection and extreme wear-resistance are important and the high flexibility of the lifting strap must remain unaffected. Since the lifting strap is entirely enclosed, both sides can be used as the attachment side. This means that dangerous mistakes are a thing of the past.



Tropic

For warm and humid climates

Use in permanent wet areas

Hydrolysis-resistant secutex Tropic was developed for use in permanently wet areas. While conventional polyurethane elastomers lose their consistency under the sustained influence of moisture (in particular salt water), lifting straps coated with secutex Tropic maintain their strength throughout.

Lifting straps for offshore use

The environment at sea places particularly high demands on lifting equipment in general. Lifting straps coated with secutex Tropic are the first choice for offshore use. The coating protects the fibres against penetrating moisture and salt deposits - two factors that can have a significant negative effect on the overall load bearing capacity of the lift in strap.

Technical data and material samples

We would be happy to provide technical data and material samples for you to test on your premises. Please contact us.

01.1 SECUTEX COATING

Surface structure

Surface structure

For every physical environment

Various standard surfaces

In its standard version, secutex protective sleeves and fixed coatings are already produced with various surfaces. secutex-coated lifting straps with perfectly-adapted surfaces are very suitable for use under the influence of water, ice and oil.

The combination of convex and concave structures on the surface provides drainage and maintains the friction connection with the load. Liquid substances can flow through the channels in the surface while the load lies securely in the lifting strap.

Individual contours and surfaces

secutex is poured. This manufacturing process has many advantages since many different forms and structures can be created.

Our own in-house construction and CNC-assisted mould design and construction, together with our application technicians, allow us to create the perfect solution for every lifting situation.

This means, for example, that the surface of the lift in strap can have hold points or mirror the contours of the corresponding load. The item carried in the lifting strap is cradled perfectly.

In comparison with purely textile protective sleeves, secutex protective sleeves and fixed coatings remain stable under load and maintain their surface properties.



Smooth

With the smooth secutex surface, the load is in contact with the entire surface. In dry conditions, this offers maximum friction locking and provides maximum slippage prevention.



Rough

This surface is slightly ground. It is used when the contact side comes into contact with limited amounts of fluid, but remains predominantly dry. The rough surface remains slip-resistant throughout.



Herringbone

More than „Rough“, this surface allows fluids to flow away. The almost identical ratio of ridges to vales maintains the high friction lock on the load.



Pyramid

With this pattern the load is only in contact with the point. This allows large amounts of fluid to drain away quickly without interrupting the contact between the attachment side and the load.



Wave and Miniwave

Large, wave-shaped indentations allow the load to hook into the lifting strap. This version is, for example, frequently used as a transport strap for turning crossbeams.

01.1 SECUTEX COATING

secutex reinforcement

secutex reinforcement

Protection against deep cuts

The reinforcement, developed and patented by secutex, significantly increases the cut-resistance of the secutex coating.

The special insertion of steel plates provides the coated section of the lifting strap with an additional protective layer.

The embedded steel plates maintain the flexible properties of the secutex lifting strap and prevent „sharp edges“ from penetrating into the load-bearing fibres of the lifting strap.

Optional for protective sleeves and fixed coatings

Every secutex protective sleeve can optionally be equipped with steel plate reinforcement. This additional protection is highly recommended for „extra sharp edges“ [$r < 2 \text{ mm}$]. The advice of our application technicians is important.



01.1 SECUTEX COATING

Technical data

Technical data „Chemicals“

Immune to chemicals

secutex is very resistant like most everyday chemicals. This has been demonstrated by the 200 hour test at 20 °C. Short-term use therefore has

absolutely no effect. If secutex is to be exposed to other chemicals, we recommend prior testing.

Hardness Shore A [Toleranz ± 5°]	DIN [%]	Decrease in mechanical values [%]
Formic acid	2 5 10	0-5 5-15 5-15
Ammonia	5	0-5
Boric acid	4	0-5
Bleach	3	0-5
Acetic acid	2 5 10	0-5 5-15 5-15
Tannic acid solution	20	0-5
Saline solution	10	0-5
Linseed oil fatty acid		0-5
Lactic acid	45	5-15
Sodium hydroxide	10 40	5-15 5-15
Phosphoric acid	25 50	5-15 5-15
Hydrochloric acid	10	0-5
Sulphuric acid	10 25	0-5 5-15
Soda solution	20	5-15
Hydrogen peroxide	10	0-5
Sucrose solution	30	0-5

Short test: we would be happy to provide material samples for a short test.
Weigh material sample and immerse in fluid. After a suitable test period, remove sample, dry and weigh once again:
- an increase in weight means that the chemical has penetrated into the material.
- a decrease in weight means that the chemical has eaten away at the material.
- if the weight remains unchanged and the sample appears unaffected, this means that the material is suitable.

Length Lifespan

secutex yellow with hydrolysis stabiliser can be exposed to all kinds of weather. If secutex is to be

used in safety-relevant areas, discussion with the manufacturer is vital.

Hardness Shore A [Toleranz ± 5°]	secutex transparent 75°	secutex yellow 75°	Norm
Friction coefficient	0,3 - 0,4 μ	0,3 - 0,4 μ	
Hydrolysis stabilised	no	yes	
Density	1,22 g/cm ³	1,22 g/cm ³	DIN 53505
Tension			
100% Distension	6,5 N/mm ²	3,32 N/mm ²	DIN 53504
300% Distension	9,5 N/mm ²	5,25 N/mm ²	DIN 53504
Breaking tension	37,5 N/mm ²	34,2 N/mm ²	DIN 53504
Breaking strain	500 %	475 %	DIN 53504
Tear propagation resistance	27 N/mm ²	35,0 N/mm ²	DIN 53515
Rebound resilience	40 %	40,4 %	DIN 53515
Abrasion	50 mg	35 mg	DIN 53516
Compression rest			
72 h at 23°C 25% Compression	11,40 %	9,1 %	DIN 53517
24 h at 70°C 25% Compression	29,40 %	8,9 %	DIN 53517
Service temperature*	-40 °C bis 100 °C	-20 °C bis 80 °C	DIN 53457
Surface resistance	10 ¹⁰ -10 ¹³	10 ¹⁰ -10 ¹³	DIN 53482
Flow resistance	10 ¹¹ -10 ¹⁴	10 ¹¹ -10 ¹⁴	DIN 53482
Moulding shrinkage	1-2 %	1-2 %	1-2 %

[* At temperatures above 150 °C decomposition no melting, except for heat-resistant „secutex Heat“]

Technical data „Loads“

01.2

Sharp edge

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secutex coating **The protection against „sharp edges“**

Alongside other factors such as temperature, chemical environment and mechanical loads, the „sharp edge“ remains one of the main causes of damage to the lifting accessory itself and frequent cause of accidents.

Most damage on sharp or rough edges is the result of load movement perpendicular to the load lifting accessory. If the edge is „sharp“ it can, in a worst-case scenario, cut through the lifting accessory.

If the load moves laterally, a cutting movement takes place at the edge. Much like the blade of a knife, the edge can cut through the fibres of the textile lifting accessory.

For loads with a „sharp edge“ or with a rough surface, a protective sleeve or fixed coating is recommended to protect the textile lifting strap.

01.2 SHARP EDGE

Definition & Types

The „sharp edge“

Definition

An edge is a „sharp edge“ when the

1. „Edge radius of the load“ [r]

is smaller than the

2. „Thickness of the lifting strap“ [t]

If the edge radius is under 2 mm, experts even refer to it as a „super-sharp edge“.

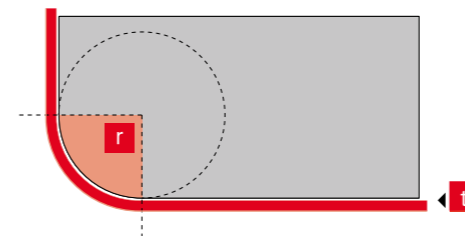
 $r < t = \text{„sharp edge“}$



Sharp edge: Edge radius

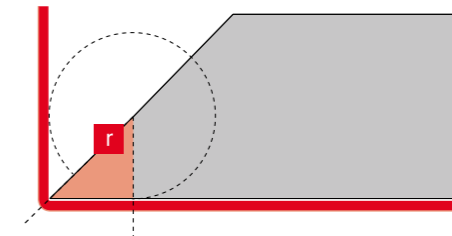
If the edge radius is smaller than the thickness of the lifting strap, the edge is considered „sharp“. Lateral motion or pressure alone may be enough to cut through the textile fibres of the lifting strap.

The 5-6 mm secutex coating sits between the load and the textile load lifting accessory. The edge radius is increased by this layer. The edge is no longer sharp against the lifting strap and lift forces are directed away from the edge.



Sharp edge: Edge angle

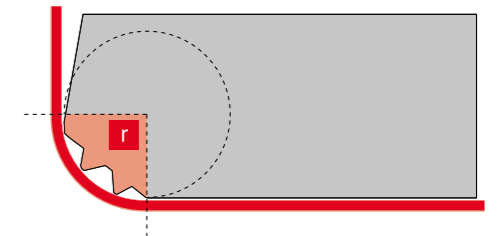
In addition to loads with right-angled edges, there are also transportable goods with different geometry. These include loads with projecting spines and with sharp or jagged external contours such as gearwheels, turbine blades, etc. These edges are not addressable using normal approaches. The secuwave protective sleeve was developed for components with extremely critical edges. secuwave increases the deflection radius. The „sharp edge“ has no contact with the protective sleeve and thus cannot cut it.



Sharp edge: Edge form

The form and surface of the edge have a significant effect on the durability of the lifting accessory. Very rough surfaces, such as the surface of pre-cast concrete products, can quickly damage the lifting strap or cable.

If nothing moves, there can be no wear. The cut-resistant secutex protective sleeve sits firmly against the edge and the textile lifting strap runs reliably through the protective sleeve.



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secutex protective sleeves

Extremely cut-resistant

secutex protective sleeves adapt flexibly to loads' „sharp edges“. The extreme structural resistance of the secutex material safely prevents any cutting of the load lifting accessory.

Extremely wear- and abrasion-resistant

secutex coatings reliably protect the load lifting accessories in contact with rough surfaces against early wear. secutex protective sleeves and fixed coatings are therefore the more economical solution.

Careful handling of the load

The secutex protective coating adheres to the load softly and flexibly, increasing the radius of critical edges. The lifting forces are distributed across a larger area and the load remains undamaged.

Exceptional handling through low dead weight

secutex-coated lifting straps and protective sleeves offer optimal handling. Due to the low dead-weight and flexibility, the load lifting accessory can be attached easily and quickly to the load.

Meets the highest standards of work safety

Thanks to the optimal handling, it achieves exceptionally high levels of safety. Even difficult lifting situations can be solved. There's a reason why lifting using textile load lifting accessories is called „soft lifting“.

01.3 SECUTEX PROTECTIVE HOSES

Protective sleeve effect:
„Protecting the load lifting accessory“

Protecting the load lifting accessory

No movement against the „sharp edge“

The lifting strap protected

If the radius of an edge is „sharp“, the lifting forces occurring at the load's edges may significantly damage the structure of the textile load lifting accessory and, in the worst-case scenario, cut it.

The cutting motion of the load perpendicular to the lifting accessory is the cause of the damage.

If the load moves laterally in the lifting strap, a cutting movement takes place at its edge. Much like the blade of a knife, the edge cuts through the fibres of the textile lifting accessory.

The secutex coating added to the textile protects the fibres in the contact area. The load can hook into the elastic secutex coating of the protective sleeve while the lifting strap moves freely through the protective sleeve. Cutting movements are then no longer possible.

At the same time, the coating increases the radius at the corners. The resulting lifting forces are distributed evenly. The edge is no longer „sharp“



01.3 SECUTEX PROTECTIVE HOSES

Protective sleeve effect:
„Protecting the loads“

Protection of the load

Flexible and soft surface

The loads are protected

Sensitive surfaces or loads consisting of sensitive materials can be damaged during lifting or transport.

The secutex protective coating adheres to the load softly and flexibly, increasing the radius of critical edges.

The lifting force is distributed over a large area. The load remains undamaged. Optimal handling ensures that exceptional safety standards are achieved.

Even difficult lifting situations can be solved. There's a reason why lifting using textile load lifting accessories is referred to as „soft lifting“.

01.3 SECUTEX PROTECTIVE HOSES

Types of protective sleeves

Types of protective sleeves

Suitable for every lifting situation

Lifting processes as different as the loads themselves. This also applies for the various Types of protective sleeves.

The protective sleeve is selected according to the load and the working area of the load lifting accessory. This means that it protects the lifting strap either over its entire length or only over a short section of its working length.

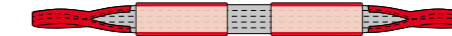
For round slings, the single strand or double strands can both be protected.



Protective sleeves for lifting straps and round slings



Lifting straps: image Typee 1
Protective sleeve over the entire working era of the lifting strap.
Protection of the entire working length.



Lifting straps: image Typee 2
Protective sleeve pair for the working area of the lifting strap. The lifting strap and load are protected at the contact areas of the load.



Round slings: image Typee 3
Protective sleeve over the entire working length and over both strands of the round sling. Protection of the entire working length.



Round slings: image Typee 4
Protective sleeve pair over the entire working length and over both strands of the round sling. The sling and load are protected at the contact areas.



Round slings: image Typee 5
Protective sleeve pair over the entire working length and over both strands of the round sling. Protection of the entire working length.



Round slings: image Typee 6
Protective sleeve pair over the entire working length of the individual strands of the round sling. The sling and load are protected at the contact areas of the load.

01.3 SECUTEX PROTECTIVE HOSES

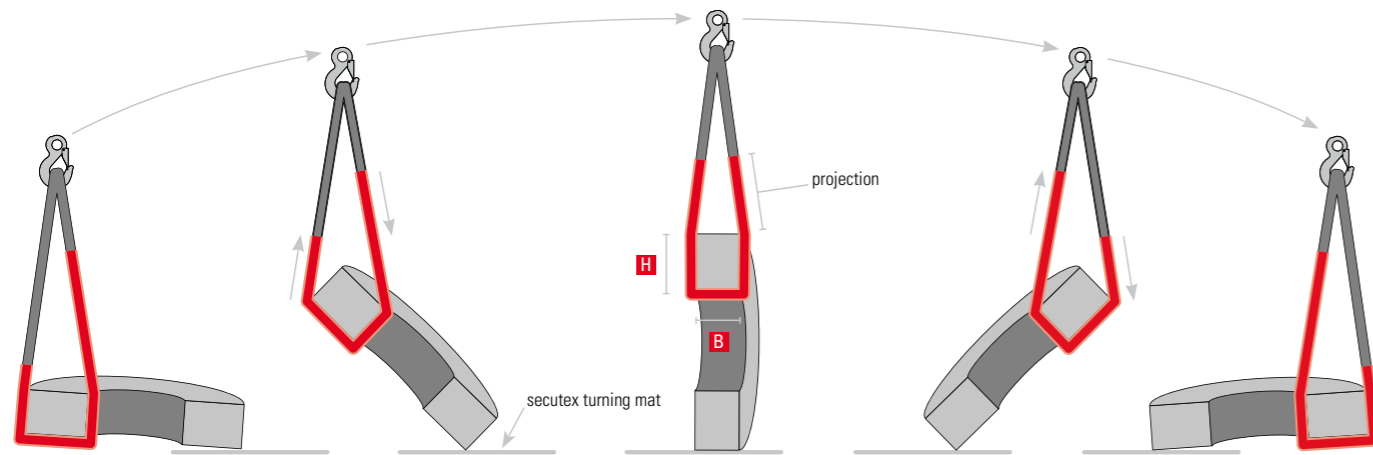
Turning loads using the protective sleeve

Turning loads using the protective sleeve

secutex protective sleeves are vital when turning over coils. The lifting strap is attached to a crane hook and attached to the load with the secutex protective sleeve. During lifting, the strap moves freely through the protective sleeve while the latter remains motionless against the load. This means that turning the load 90° is possible without any problem whatsoever. If the load is paced to the other side according to the same principle, it can be also be turned by 180°. The lifting strap can slide through the protective sleeve during the turning process. The protective sleeve and load, however, remain in constant contact.

Our tips for safe turning:

- The lifting strap is exactly at „12 o'clock“ over the centre of the coil.
- Only individual, unpackaged and cleanly-wrapped coils may be turned.
- A non-slip surface, such as the secutex turning mat (cf.p. 102) must be used.
- The coil must be prevented from rolling in or sliding perpendicularly to the lifting strap.
- A coil may not be permitted to „pull out“ at an angle.



Turning the coil by 90°

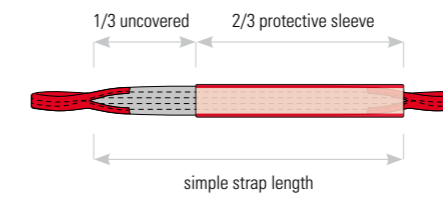
Step 1:
Determine minimum length of protective sleeve

$$2 \times H \text{ [wrapping height]} \\ + 2 \times B \text{ [coil width]} \\ + 2 \times \text{projection 25 cm}$$

Length of protective sleeve

Step 2:
Determine minimum length of lifting strap.

The simple strap length between the slings is based on the „length of the protective sleeve“:



Turning the coil by 180°

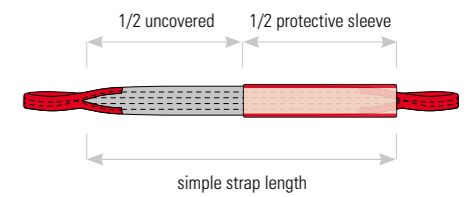
Step 2:
Determine minimum length of lifting strap.

$$3 \times H \text{ [wrapping height]} \\ + 2 \times B \text{ [coil width]} \\ + 2 \times \text{projection 25 cm}$$

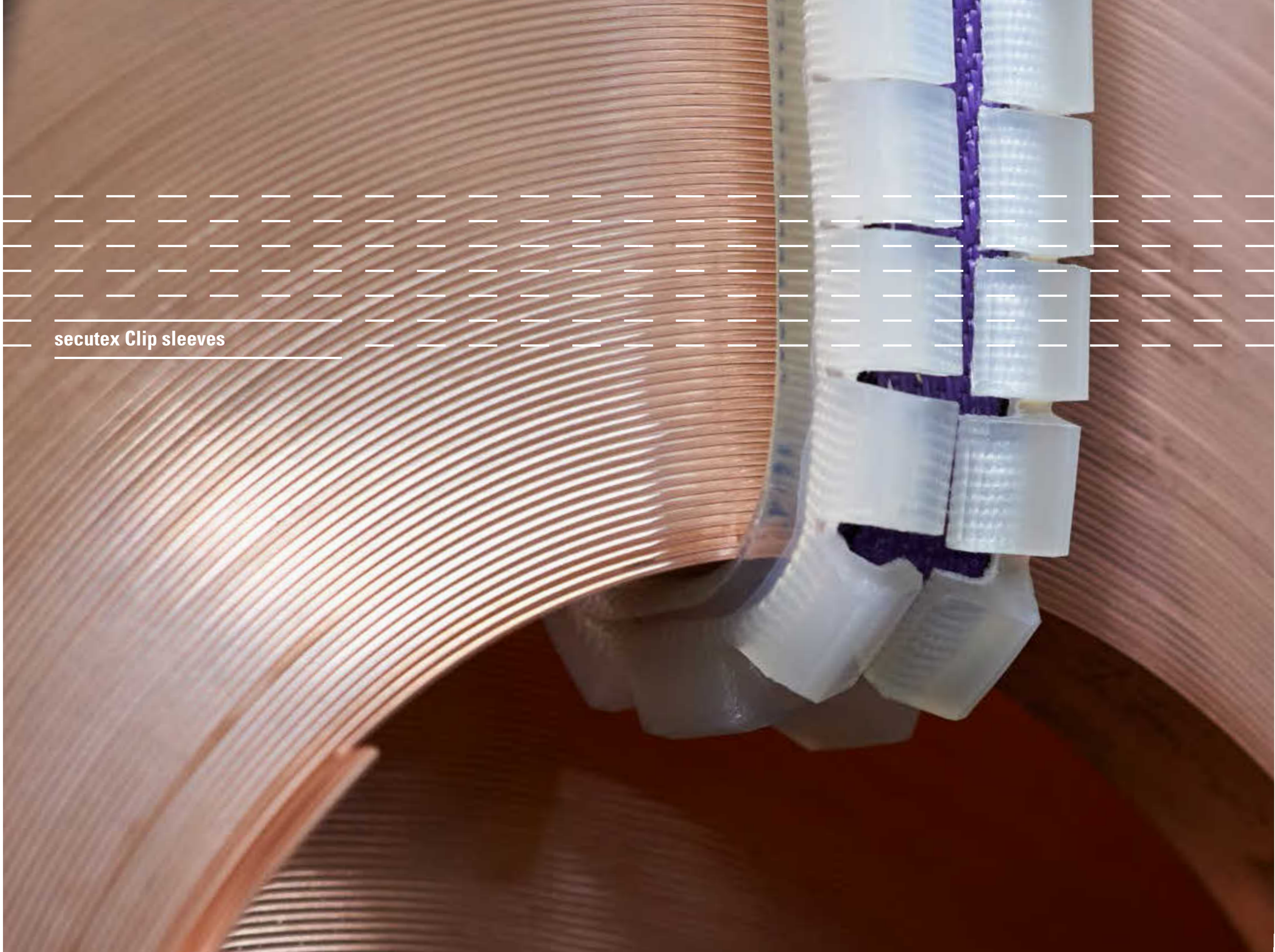
Length of protective sleeve

Step 2:
Determine minimum length of lifting strap.

The simple strap length between the slings is based on the „length of the protective sleeve“:



secutex Clip sleeves



01.3 SECUTEX PROTECTIVE HOSES

secutex Clip sleeves

Clip sleeve „SC“
Clip sleeve „easyClip“

Clip sleeve „SC“
Clip sleeve „easyClip“

With full-length opening on reverse side

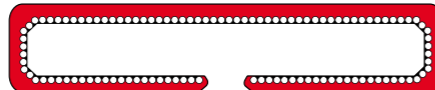
The secutex Clip SC can be installed in seconds thanks to the mounting slit on the back. Recommended for use wherever round slings with or without protective sleeves are needed on a case-by-case basis. Important: The Clip SC offers simple handling and short preparation times.

The secutex protective coating adheres to the load softly and flexibly, increasing the radius of critical edges. The lifting forces are distributed across a larger area and the load remains undamaged.

The advantages

- Can be positioned in existing lifting situations
- Allows very flexible working procedures
- Easy to install by hand
- Nearly indestructible

Cross-section of secutex clip:
Protective sleeve coated on two sides with longitudinal opening on reverse side



Clip sleeve „SC“

Premium and standard versions

The advantages

- Can be positioned in existing lifting situations
- Nearly indestructible
- Durably keeps its shape
- Reduces the creation of creases in the strap

Optionally available

- Various structural surfaces
- Reinforcement
- Various secutex variations
- Reinforced with cut-resistant fibres

Available for

- Twintex
- SupraPlus
- Magnum and Magnum-X
- Powerband and heavy load Powerband

Clip sleeve „easyClip“

Budget-friendly Clip sleeve

The advantages

- Can be positioned in existing lifting situations
- Simple and budget-friendly

Available for

- Supraplus
- Magnum and Magnum X
- Powerband and heavy load band
- Other lifting straps and round slings

01.3 SECUTEX PROTECTIVE HOSES

secutex Clip sleeves

veloxClip

veloxClip

Transversely-slit protective sleeve

With low height

While the stiffness of regular protective sleeves often makes lifting easier, it can be rather uncomfortable when handling smaller-sized loads. Small gaps and limited contact areas make handling the stiff protective sleeve more difficult in this situation. The secutex „veloxClip“ is made with a slit along the reverse side. This makes it very flexible in the bending direction. In the longitudinal direction, on the other hand, the protective sleeve keeps its valued properties and remains stiff. This makes it a very simple-to-use alternative when lifting loads with more limited contact areas. It is easy to insert through lower gaps and adapts flexibly to loads during lifting.

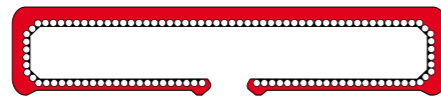
The advantages

- Especially flexible in the transverse direction
- Easy to position
- Durably keeps its shape

Optional

- Slit increments/positions varied upon request
- This means that the degree of flexibility can be adjusted in great detail

secutex veloxClip: reverse side is slit transversely.
This makes the protective sleeve very flexible.



Various slit patterns on the reverse side



„Centre“ slit structure

The protective sleeve is slit at the centre of the contact area, where it is very flexible.



„Constant“ slit structure

The protective sleeve is slit along its entire length and is exceptionally flexible in the bending direction.



„Asymmetrical“ slit structure

The slit structure is adapted precisely to the contact position. This allows the protective sleeve to grip the load very flexibly.



Individual slit structure

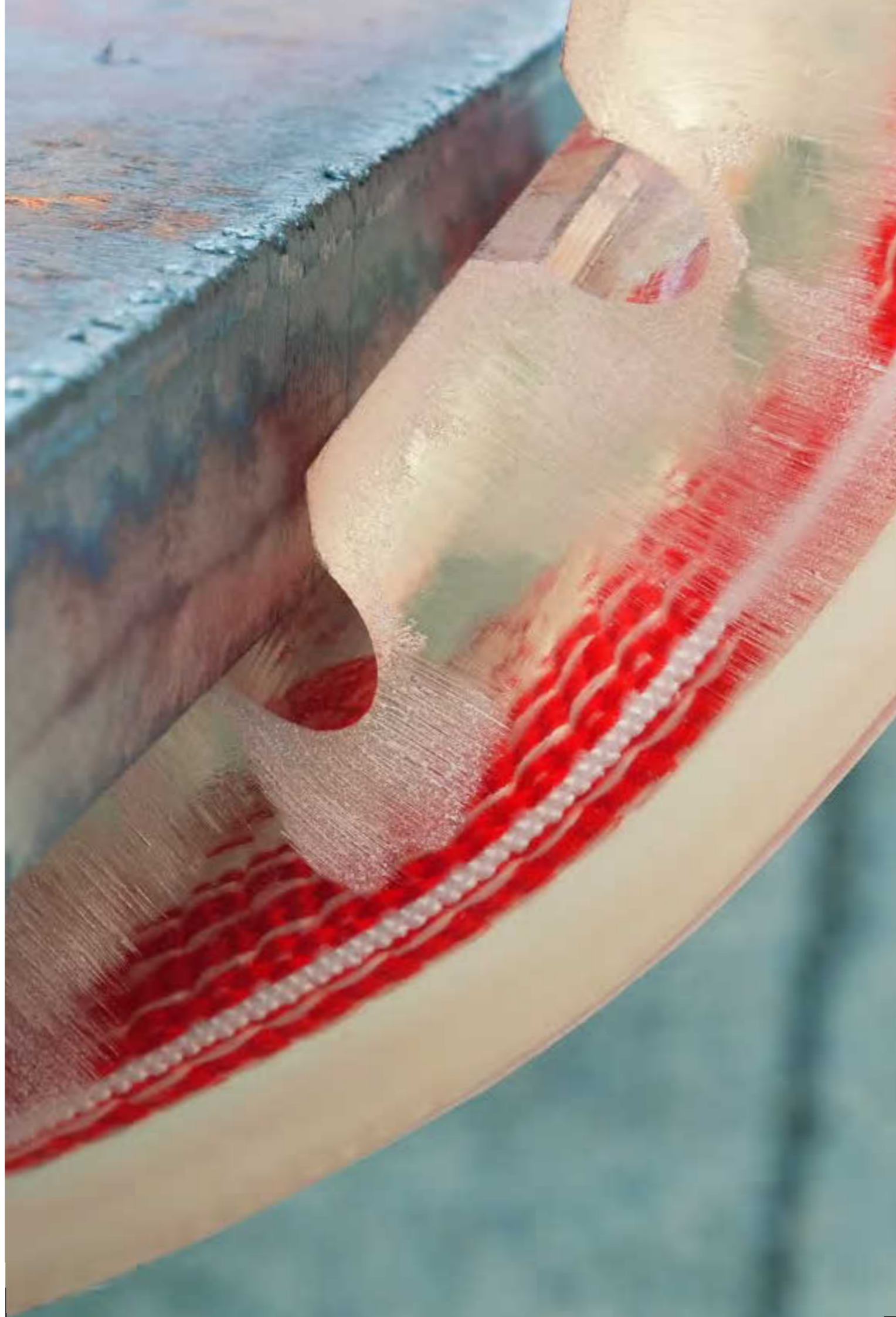
The spacing of the slit pattern on the reverse side can be adjusted as desired. This allows the flexibility factor to be adjusted in minute detail.

01.3 SECUTEX PROTECTIVE HOSES

secutex Clip sleeves

secuwave
secuwave Mini

secuwave
secuwave Mini



For critical edges

secutex protective sleeves protect loads and textile lifting accessories against marks left by handling.

If an edge exceeds the range covered by the norm, the usual textile lifting accessories can no longer be used in conjunction with the secutex protective sleeve.

If the edge radius of a load is less than 2 mm, lifting experts refer to it as a „super-sharp edge“. secuwave and secuwave Mini are thickly-coated protective sleeves with a wave structure on the contact side.

The wave structure increases the bending radius of „sharp edges“. The edge lies in a wave trough, while the load rests on the wave peak. The „sharp edge“, therefore, has no contact with the protective sleeve.

secuwave is delivered as a clip. This means that it can be subsequently added to a lifting situation. secuwave is available in two versions. The various sizes mean that the suitable wave size can be used. The smaller wave size means that the thick coating is more flexible in the bending direction. The larger wave structure is durable and is intended for larger edges.

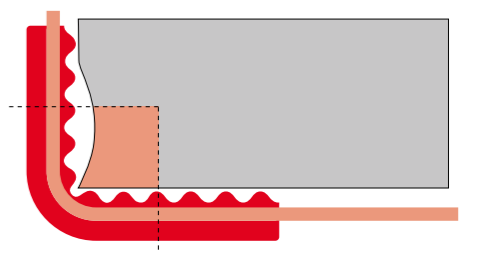
The advantages

- Prevents contact with the lifting strap
- Can be positioned in existing lifting situations
- Two wave profiles available
- Nearly indestructible
- Durably keeps its shape

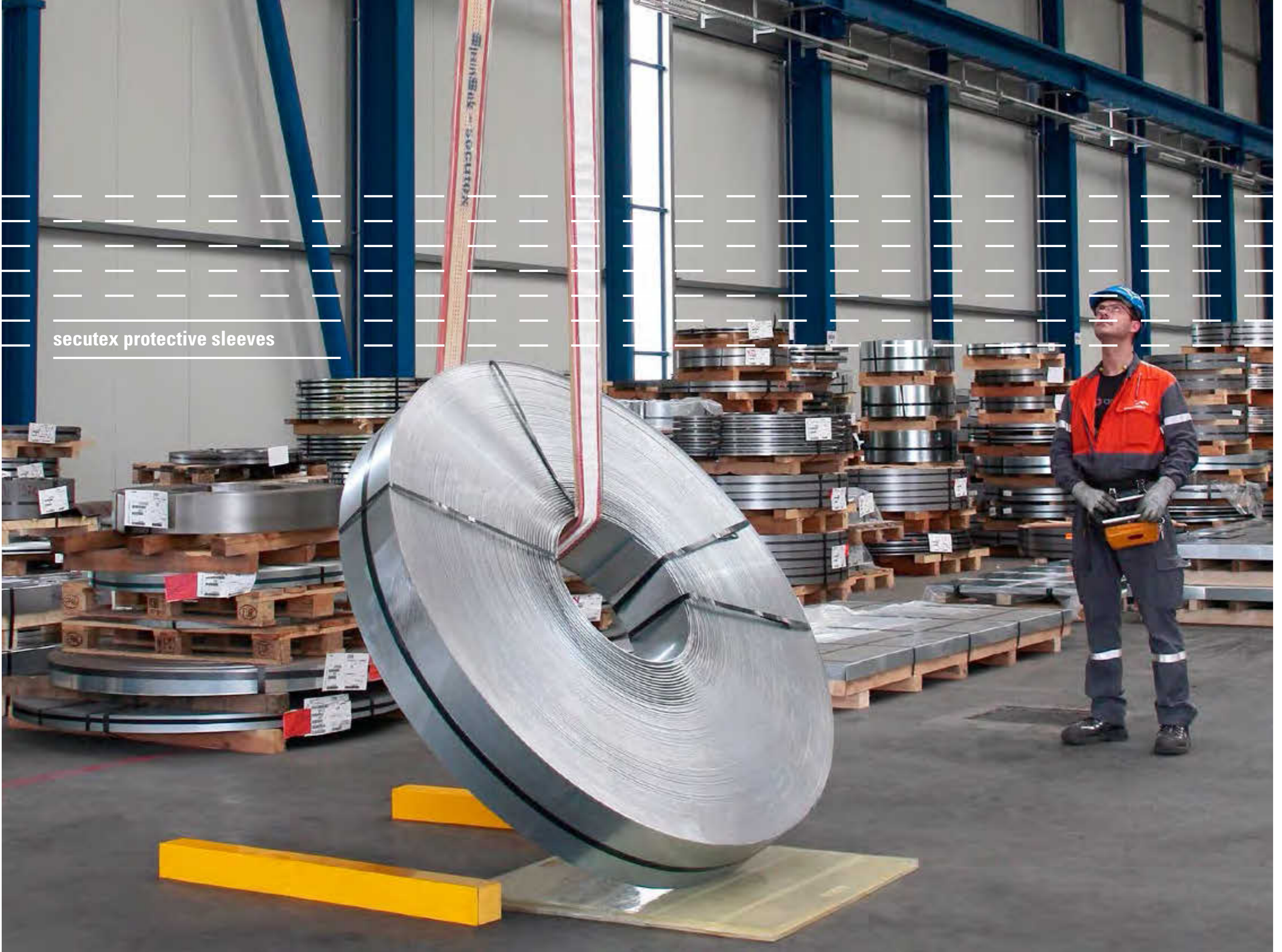
Available for

- Powerband and heavy load Powerband

secuwave: wave profile prevents contact with the lifting strap
[side view: protective sleeve with load]



secutex protective sleeves



01.3 SECUTEX PROTECTIVE HOSES

secutex protective sleeves

SF-1 protective sleeve

SF-2 protective sleeve

SF-1 protective sleeve

SF-2 protective sleeve

SF-1

Protective sleeve with single-sided coating

The secutex protective sleeve is technically optimised for the SpanSet lifting strap programme or SpanSet round slings. The contact side is secutex-coated, extremely cut-resistant and reduces the creation of creases in the textile. Simply pulled over the textile load lifting accessory, the protective sleeve with a single-sided secutex coating, protects both the load and the load lifting accessory against „sharp edges“ and rough surfaces.

The advantages

- Easy to position
- Extremely cut-resistant
- Reduces the formation of creases in the textile
- Durably keeps its shape

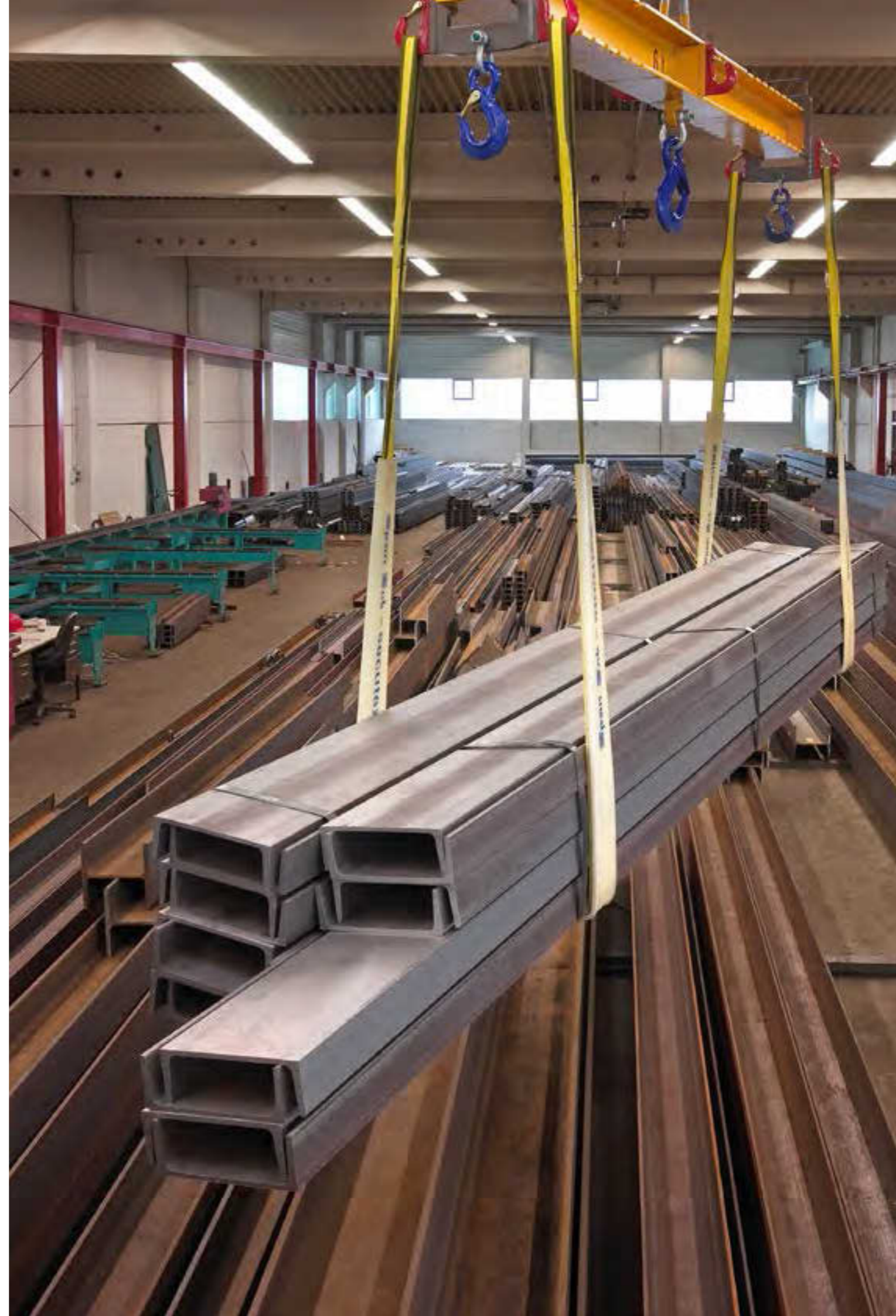
Optionally available

- Various surfaces
- Reinforcement
- Various Types of secutex
- Made of heat-resistant „secutex Heat“

Available for

- Twintex
- SupraPlus
- Magnum and Magnum X

SF-1 [cross-section of the protective sleeve]: contact side and sleeve sides are secutex coated



SF-2

Protective sleeve with double-sided coating

This protective sleeve is particularly robust, and this version has two contact sides for double-sided work. Both contact sides are secutex-coated, extremely cut-resistant and reduce the creation of creases in the textile. It is no longer necessary to turn the protective sleeve.

The advantages

- Working with two contact sides
- Easy to position
- Extremely cut-resistant
- Reduces the formation of creases in the textile
- Durably keeps its shape

Optionally available

- Various surfaces
- Reinforcement
- Various Types of secutex
- Made of heat-resistant „secutex Heat“

Available for

- Twintex
- SupraPlus
- Magnum and Magnum X - Powerband and heavy load Powerband

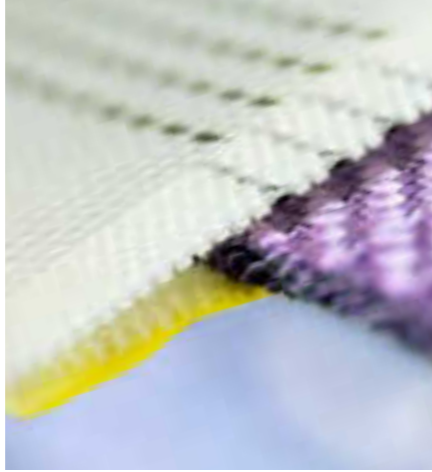
SF-2 [cross-section of the protective sleeve]: both contact sides and sleeve sides are secutex coated.



01.3 SECUTEX PROTECTIVE HOSES

secutex protective sleeves

secuflex protective sleeve [SFX]



Very flat protective sleeve: external height 5 mm

secuflex protective sleeve [SFX]

secuflex protective sleeve [SFX]

Very flat and steady

This protective sleeve sits firmly on the lifting strap and therefore stays in its position when the lifting strap is in contact with the load. The contact side is coated with secutex, extremely cut-resistant and reduces the formation of creases in the textile strap. The reverse side is coated with Powerflex and protected against abrasion and penetrating dirt.

The very flat form and resistance to bending in a longitudinal direction make it simple to insert the SFX-equipped strap into small gaps. The firm grip prevents it from unintentional slipping.

The advantages

- grips the strap particularly firmly
- very flat form
- extremely cut-resistant
- reduces the formation of creases in the strap
- keeps its shape over time

Available for

- Powerband
- other lifting straps and round slings

SFX [cross-section of the protective sleeve]: contact side coated with secutex, reverse side coated with Powerflex



01.3 SECUTEX PROTECTIVE HOSES

secutex protective sleeves

secumove

secumove



Fixed protective sleeve with movable fixed coating

The new patent-protected secumove coating combines the advantages of a protective sleeve with a sleeve of a fixed coating. The protective secutex coating is firmly attached to a loop of the lifting strap. The other end of the lifting strap slides freely through the sleeve and is used to equalise the lengths. secumove thereby ensures that there is no movement over „sharp edges“.

No movement, no wear: if nothing moves, there can be no wear. The service life of the newly-developed secumove coating is therefore significantly increased, even when used with rough loads.

secumove is optionally also available with the proven metal plate reinforcement for „super-sharp edges“. For these heavy loads, we recommend specialist on-site advice.

Important areas of application are, for example, the careful lifting of load-bearing trusses or sheet packages and coils. secumove is not suitable for turning.

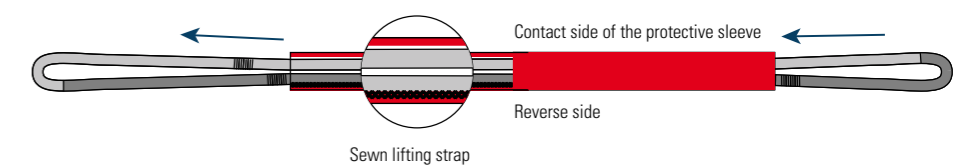
The advantages

- Lifting strap and protective sleeve are firmly connected

Optional

- Various surfaces available
- SF-1 version {FS1}

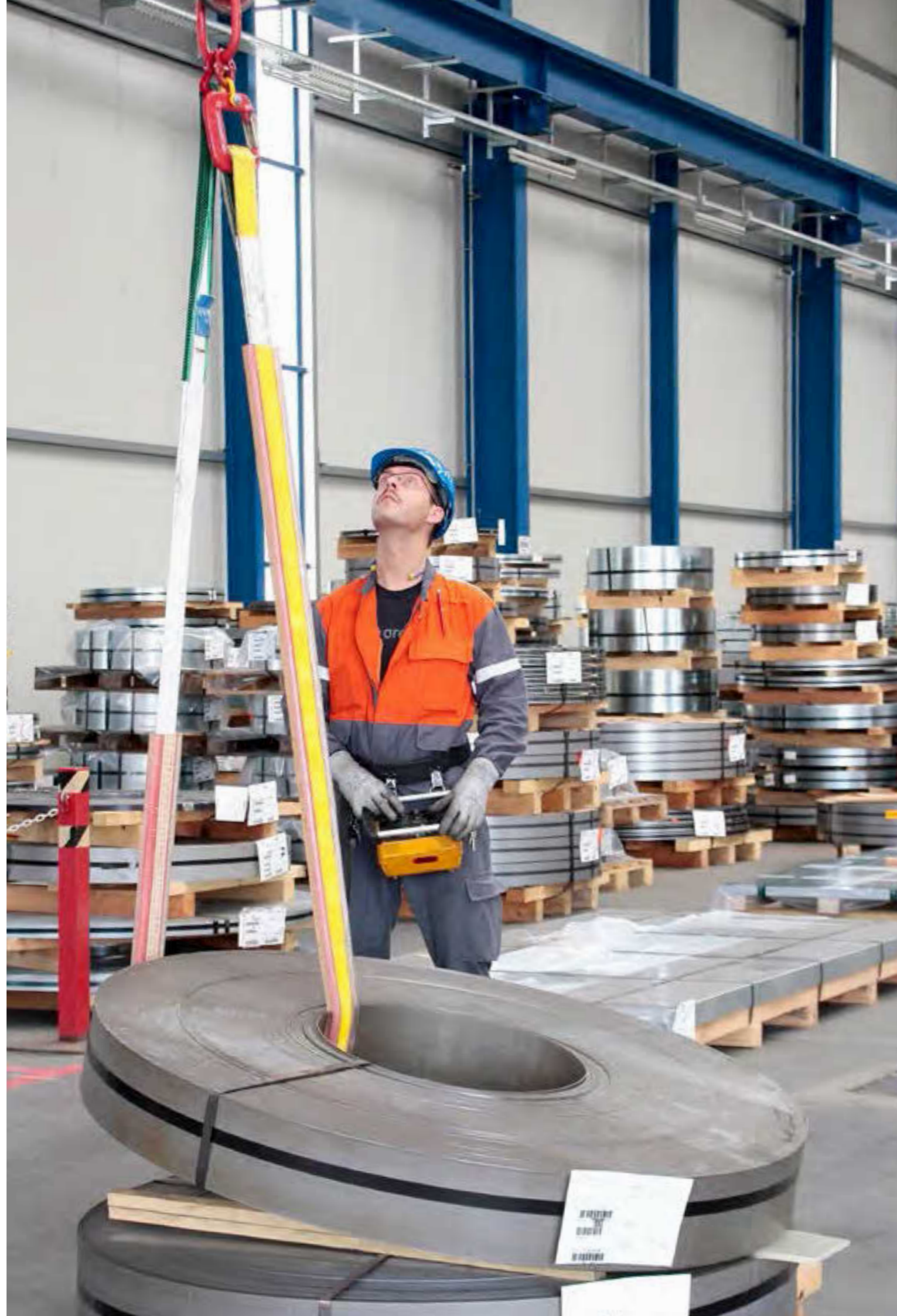
secumove [side view]: fixed protective sleeve stops itself from being pulled off during lifting



01.3 SECUTEX PROTECTIVE HOSES

secutex Split band turning strap

secutex Split band turning strap



Optional secutex turning mat: no uncontrolled slipping

To raise stacked coils

We recommend against turning stacked coils upright on the stack. The first choice for the raising of packages delivered in a horizontal position with split straps is therefore always a coil turning seat. However, there is not always a fixed installation for raising narrow coils.

The secutex split band turning strap has two different attachment ends. One end loop of the secutex lifting strap is flat [see small image], and can be easily threaded through the gap between the split bands.

The flat end loop can then be easily hooked into the forged C-shackle. The protective sleeve is positioned against the „sharp edges“ of the coil. During lifting, the strap moves freely through the protective sleeve while the latter remains motionless against the load. There is no movement, and therefore no wear, against the „sharp edges“.

The split band turning strap set:

- Ring KR 3.2 with C-shackle with VG 8-8 and shackle 8-8
- Lifting strap PB 2000 with KK 8
- secutex protective sleeve SF-1-60 without edge
- secutex edge protection mat SPGF-F-10 in 200 x 300 mm

The advantages

- The lifting strap and protective sleeve are permanently linked together
- Extremely flat loop which is therefore perfect for small gaps Optional

Optional

- Various surfaces available
- secutex turning mat against uncontrolled slipping on floor

01.3 SECUTEX PROTECTIVE HOSES

secutex protective sleeves

Powerflex protective sleeve

Powerflex protective sleeve

Powerflex protective sleeve

Abrasion protection

The Powerflex protective sleeve helps to effectively increase the friction values of smooth surfaces or to protect the lifting strap against rough surfaces. The particularly-robust Powerflex penetrates deep into the fibres and also protects the protective sleeve against the penetration of fluids or dirt particles.

The advantages

- working with two contact sides
- easy to position
- reduces the formation of creases in the textile
- keeps its shape over time
- abrasion protection against rough surfaces

Optionally available

- with reverse-side re-sealable longitudinal opening

Available for

- SupraPlus
- Magnum and Magnum X
- other lifting strap and round slings

Powerflex protective sleeve [cross-section of the protective sleeve]:
effective abrasion protection secutex-coated



secutex Protective sleeves
Technical data and order overview

01.3 SECUTEX PROTECTIVE HOSES

secutex Protective sleeves
Technical data and order overview

Round Slings

SupraPlus
Twintex

Protective sleeve clip: Image 3



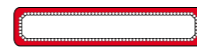
Protective sleeve clip: Image 5



Please note:

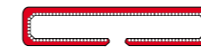
The information on "metal reinforcement", "ground" and "combination of metal reinforcement and ground" can be found on pages 82 to 84

Protective sleeve single-sided [SF1] and Protective sleeve two-sided [SF2]



	Protective sleeve single-sided [Image 3]	External width [mm]	External height [mm]	Weight approx. running m [kg]	Protective sleeve two-sided [Image 3]	External width [mm]	External height [mm]	Weight approx. running m [kg]
SupraPlus 500	SF1-50/3	70	23	0,9	SF2-50/3	70	25	1,2
SupraPlus 1000	SF1-50/3	70	23	0,9	SF2-50/3	70	25	1,2
SupraPlus 2000	SF1-65/3	80	23	1,1	SF2-65/3	80	25	1,5
SupraPlus 3000	SF1-75/3	95	25	1,3	SF2-75/3	95	25	1,8
SupraPlus 4000	SF1-100/3	125	25	1,5	SF2-100/3	125	25	2,1
SupraPlus 5000	SF1-125/3	110	35	1,9	SF2-125/3	110	35	2,6
SupraPlus 6000	SF1-125/3	110	35	1,9	SF2-125/3	110	35	2,6
SupraPlus 8000	SF1-150/3	145	40	2,1	SF2-150/3	145	40	3
Twintex 1000	SF1-50/3	70	23	0,9	SF2-50/3	70	25	1,2
Twintex 2000	SF1-65/3	80	23	1,1	SF2-65/3	80	25	1,5
Twintex 3000	SF1-75/3	95	25	1,3	SF2-75/3	95	25	1,8
Twintex 4000	SF1-100/3	125	25	1,5	SF2-100/3	125	25	2,1
Twintex 5000	SF1-125/3	110	35	1,9	SF2-125/3	110	35	2,6
Twintex 6000	SF1-125/3	110	35	1,9	SF2-125/3	110	35	2,6
Twintex 8000	SF1-150/3	145	40	2,1	SF2-150/3	145	40	3

Protective sleeve clip and abrasion protection „Powerflex“



Protective sleeve clip [Image 3]	External width [mm]	External height [mm]	Weight approx. running m [kg]	Protective sleeve clip [Figure 5]	External width [mm]	External height [mm]	Weight approx. running m [kg]	PowerFlex abrasion protection [Image 3]	External width [mm]	External height [mm]	Gewicht ca. lfd. m [kg]	PowerFlex abrasion protection	External width [mm]	External height [mm]	Weight approx. running m [kg]
SC-50/3	70	25	1,1	SC-30/5	70	25	1,1	PF-RS 95/3	90	*	0,2	PF-RS 65/5	67	*	0,1
SC-50/3	70	25	1,1	SC-30/5	55	25	1,1	PF-RS 95/3	90	*	0,2	PF-RS 65/5	67	*	0,1
SC-65/3	80	25	1,3	SC-50/5	55	25	1,2	PF-RS 125/3	130	*	0,2	PF-RS 65/5	67	*	0,1
SC-75/3	95	25	1,8	SC-50/5	80	25	1,3	PF-RS 125/3	130	*	0,2	PF-RS 65/5	67	*	0,1
SC-100/3	125	25	2,1	SC-60/5	80	25	1,3	PF-RS 155/3	155	*	0,2	PF-RS 95/5	90	*	0,1
SC-125/3	110	35	2,3	SC-60/5	80	25	1,8	PF-RS 185/3	190	*	0,3	PF-RS 95/5	90	*	0,2
SC-125/3	110	35	2,3	SC-60/5	80	25	1,8	PF-RS 185/3	190	*	0,3	PF-RS 95/5	90	*	0,2
SC-150/3	145	40	3	SC-60/5	90	35	1,8	PF-RS 185/3	190	*	0,3	PF-RS 95/5	90	*	0,2
SC-50/3	70	25	1,1	SC-30/5	55	25	1,1	PF-RS 95/3	90	*	0,2	PF-RS 65/5	67	*	0,1
SC-65/3	80	25	1,3	SC-50/5	55	25	1,2	PF-RS 125/3	130	*	0,2	PF-RS 65/5	67	*	0,1
SC-75/3	95	25	1,8	SC-65/5	80	25	1,3	PF-RS 125/3	130	*	0,2	PF-RS 65/5	67	*	0,1
SC-100/3	125	25	2,1	SC-65/5	80	25	1,3	PF-RS 155/3	155	*	0,2	PF-RS 95/5	90	*	0,1
SC-125/3	110	35	2,6	SC-75/5	95	25	1,8	PF-RS 185/3	190	*	0,3	PF-RS 95/5	90	*	0,2
SC-125/3	110	35	2,6	SC-75/5	95	25	1,8	PF-RS 185/3	190	*	0,3	PF-RS 95/5	90	*	0,2
SC-150/3	145	40	3	SC-100/5	125	25	2,1	PF-RS 185/3	190	*	0,3	PF-RS 95/5	90	*	0,2

*upon request

01.3 SECUTEX PROTECTIVE HOSES

secutex Protective sleeves
Technical data and order overview

Round Slings

MagnumPlus

Protective sleeve clip: Image 3



Protective sleeve clip: Image 5



Protective sleeve single-sided [SF1] and Protective sleeve two-sided [SF2]

	Protective sleeve single-sided				Protective sleeve double-sided			
	External width [mm]	External height [mm]	Weight approx. running m [kg]	External width [mm]	External height [mm]	Weight approx. running m [kg]		
MagnumPlus 10000	SF1-200-20/3	175	35	2,4	SF2-200-20/3	175	35	3,5
MagnumPlus 15000	SF1-250-25/3	210	50	4,6	SF2-250-25/3	210	50	5,9
MagnumPlus 20000	SF1-300-30/3	265	45	3,7	SF2-300-30/3	265	45	5,5
MagnumPlus 25000	SF1-300-35/3	265	45	3,7	SF2-300-35/3	265	45	5,5
MagnumPlus 30000	SF1-300-40/3	340	35	4,6	SF2-300-40/3	340	35	6,8
MagnumPlus 40000	SF1-350-50/3	365	60	7,5	SF2-350-50/3	365	60	10
MagnumPlus 50000	SF1-400-50/3	365	60	4,9	SF2-400-50/3	365	70	8,7
MagnumPlus 60000	SF1-400-70/3	425	90	8,4	SF2-400-70/3	425	100	13
MagnumPlus 80000	SF1-450-80/3	*	*	*	SF2-450-80/3	*	*	*
MagnumPlus 100000	SF1-500-90/3	*	*	*	SF2-500-90/3	*	*	*

	Protective sleeve single-sided				Protective sleeve double-sided			
	External width [mm]	External height [mm]	Weight approx. running m [kg]	External width [mm]	External height [mm]	Weight approx. running m [kg]		
Magnum-X 10000	SF1-60x25/3	90	35	*	SF2-60x25/3	90	35	*
Magnum-X 20000	SF1-110x30/3	130	45	*	SF2-110x30/3	130	45	*
Magnum-X 30000	SF1-140x35/3	150	55	*	SF2-140x35/3	150	55	*
Magnum-X 40000	SF1-170x40/3	180	55	*	SF2-170x40/3	180	55	*
Magnum-X 50000	SF1-170x40/3	*	*	*	SF2-170x40/3	*	*	*
Magnum-X 60000	SF1-255x50/3	*	*	*	SF2-255x50/3	*	*	*
Magnum-X 80000	SF1-380x60/3	*	*	*	SF2-380x60/3	*	*	*
Magnum-X 100000	SF1-515x60/3	*	*	*	SF2-515x60/3	*	*	*
Magnum-X 125000	SF1-515x80/3	*	*	*	SF2-515x80/3	*	*	*
Magnum-X 150000	SF1-675x80/3	*	*	*	SF2-675x80/3	*	*	*

* upon request

Please note:
The information on "metal reinforcement", "ground" and "combination of metal reinforcement and ground" can be found on pages 82 to 84

Protective sleeve clip [SC] abrasion protection Powerflex [PS]



Protective sleeve clip	External			Weight approx. running m [kg]	Protective sleeve clip	External			Powerflex abrasion protection [Image 3]	External			Powerflex abrasion protection	External		
	width [mm]	height [mm]	approx. running m [kg]			width [mm]	height [mm]	approx. running m [kg]		width [mm]	height [mm]	approx. running m [kg]		width [mm]	height [mm]	approx. running m [kg]
SC-200-20/3	175	35	3,5	SC-100-20/5	110	35	2,3	PF-RS 250/3	245	*	1,7	PF-RS 155/5	155	*	1,4	
SC-250-25/3	210	50	5,9	SC-125-25/5	130	45	3,7	PF-RS 250/3	245	*	1,4	PF-RS 185/5	190	*	1,4	
SC-300-30/3	265	45	5,5	SC-125-30/5	145	50	4,2	PF-RS 310/3	330	*	1,4	PF-RS 155/5	155	*	1,4	
SC-300-35/3	265	45	5,5	SC-150-35/5	145	50	4,2	PF-RS 310/3	330	*	1,4	PF-RS 250/5	245	*	1,4	
SC-300-40/3	340	35	6,8	SC-150-40/5	175	60	5,2	PF-RS 310/3	330	*	1,4	PF-RS 250/5	245	*	1,4	
SC-350-50/3	365	60	10	SC-200-50/5	210	70	6,5	PF-RS 370/3	*	*	2	PF-RS 250/5	245	*	1,4	
SC-400-50/3	520	75	17,8	SC-220-50/5	240	75	8,9	*	*	*	*	*	*	*		
SC-2 250-70/3	520	100	25,5	SC-250-70/5	240	100	10,3	*	*	*	*	*	*	*		
SC-2 250-80/3	*	*	*	SC-250-80/5	*	*	*	*	*	*	*	*	*	*		
SC-2 280-90/3	*	*	*	SC-280-90/5	*	*	*	*	*	*	*	*	*	*		

Protective sleeve clip	External			Weight approx. running m [kg]	Protective sleeve clip	External			Powerflex abrasion protection [Abbildung 3]	External		
	width [mm]	height [mm]	approx. running m [kg]			width [mm]	height [mm]	approx. running m [kg]		width [mm]	height [mm]	approx. running m [kg]
SC-60x25/3	90	35	*	SC-30x25/5	60	35	*	SWS-60x25	90	55	*	
SC-110x30/3	130	45	*	SC-55x30/5	65	45	*	SWS-110x30	130	65	*	
SC-140x35/3	150	55	*	SC-70x35/5	90	55	*	SWS-140x35	150	75	*	
SC-170x40/3	180	55	*	SC-85x40/5	90	55	*	SWS-170x40	180	75	*	
SC-170x40/3	*	*	*	SC-85x40/5	*	*	*	SWS-170x40	*	*	*	
SC-255x50/3	*	*	*	SC-130x50/5	*	*	*	SWS-255x50	*	*	*	
SC-380x60/3	*	*	*	SC-200x60/5	*	*	*	SWS-380x60	*	*	*	
SC-2-260x60/3	*	*	*	SC-260x60/5	*	*	*	SWS-515x60	*	*	*	
SC-2-260x80/3	*	*	*	SC-260x80/5	*	*	*	SWS-515x80	*	*	*	
SC-2-340x80/3	*	*	*	SC-340x80/5	*	*	*	SWS-675x80	*	*	*	

* upon request

01.3 SECUTEX PROTECTIVE HOSES

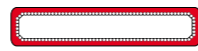
secutex Protective sleeves
Technical data and order overview

Power bands
Powerband band slings

PB Star / PB Star DD

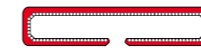
PD
PC

Protective sleeve single-sided [SF1] and Protective sleeve two-sided [SF2]



	Protective sleeve single-sided	External width [mm]	External height [mm]	Weight approx. running m [kg]	Protective sleeve double-sided	External width [mm]	External height [mm]	Weight approx. running m [kg]
PB 1000 Star	SF1-30	55	30	0,6	SF2-30	55	30	0,9
PB 2000 Star	SF1-60	85 €	23	1	SF2-60	85	23	1,4
PB 3000 Star	SF1-90	115 €	25	1,5	SF2-90	115	25	2,2
PB 4000 Star	SF1-120	145	25	2	SF2-120	145	25	2,9
PB 5000 Star	SF1-150	175€	25	2,3	SF2-150	175	25	3,4
PB 6000 Star	SF1-180	210 €	30	2,9	SF2-180	210	30	4,2
PB 8000 Star	SF1-240	270 €	35	3,7	SF2-240	270	35	5,5
PB 10000 Star	SF1-300	340 €	35	4,6	SF2-300	340	35	6,8
PB 1000 Star DD	SF1-30	55	30	0,6	SF2-30	55	30	0,9
PB 2000 Star DD	SF1-60	85 €	23	1	SF2-60	85	23	1,4
PB 3000 Star DD	SF1-90	115 €	25	1,5	SF2-90	115€	25	2,2
PB 4000 Star DD	SF1-120	145	25	2	SF2-120	145	25	2,9
PB 5000 Star DD	SF1-150	175€	25	2,3	SF2-150	175€	25	3,4
PB 6000 Star DD	SF1-180	210 €	30	2,9	SF2-180	210	30	4,2
PB 8000 Star DD	SF1-240	270 €	35	3,7	SF2-240	270 €	35	5,5
PB 10000 Star DD	SF1-300	340 €	35	4,6	SF2-300	340€	35	6,8
PD 1000	SF1-30/3	55 €	30	0,6	SF2-30/3	55 €	30	0,9
PD 2000	SF1-60/3	85	23	1	SF2-60/3	85	23	1,4
PD 3000	SF1-90/3	115 €	25	1,5	SF2-90/3	115	25	2,2
PD 4000	SF1-120/3	145€	25	2	SF2-120/3	145€	25	2,9
PD 5000	SF1-150/3	175 €	25	2,3	SF2-150/3	175€	25	3,4
PC 2000	SF1-PC-30/3	55€	30	0,6	SF2-PC-30/3	55	30	0,9
PC 4000	SF1-PC-60/3	90 €	35	1,6	SF2-PC-60/3	90	35	2,1
PC 6000	SF1-PC-90/3	110€	35	1,7	SF2-PC-90/3	110€	35	2,3
PC 8000	SF1-PC-120/3	145	40	2,3	SF2-PC-120/3	145	40	3,2
PC 10000	SF1-PC-150/3	210€	40	3,6	SF2-PC-150/3	210	40	4,8

Protective sleeve clip



	Protective sleeve clip	External width [mm]	External height [mm]	Weight approx. running m [kg]
PB 1000 Star	SC-30	47	22	0,9
PB 2000 Star	SC-60	85	23	1,4
PB 3000 Star	SC-90	115	25	2,2
PB 4000 Star	SC-120	145	25	2,9
PB 5000 Star	SC-150	175	25	3,4
PB 6000 Star	SC-180	210	30	4,2
PB 8000 Star	SC-240	270	35	5,5
PB 10000 Star	SC-300	340	35	6,8
PB 1000 Star DD	SC-30	47	22	0,9
PB 2000 Star DD	SC-60	85	23	1,4
PB 3000 Star DD	SC-90	115	25	2,2
PB 4000 Star DD	SC-120	145	25	2,9
PB 5000 Star DD	SC-150	175	25	3,4
PB 6000 Star DD	SC-180	210	30	4,2
PB 8000 Star DD	SC-240	270	35	5,5
PB 10000 Star DD	SC-300	340	35	6,8
PD 1000	SC-30/3	47	30	0,9
PD 2000	SC-60/3	85	23	1,4
PD 3000	SC-90/3	115	25	2,2
PD 4000	SC-120/3	145	25	2,9
PD 5000	SC-150/3	175	25	3,4
PC 2000	SC-PC-30/3	55	30	0,9
PC 4000	SC-PC-60/3	90	35	2,1
PC 6000	SC-PC-90/3	110	35	2,3
PC 8000	SC-PC-120/3	145	40	3,2
PC 10000	SC-PC-150/3	210	40	4,8

Important information about "PD" and "PC":

the clip sleeves are also available in fig. 5.
Alternative: also available with coating.

Please note:

The information on "metal reinforcement", "ground" and "combination of metal reinforcement and ground" can be found on pages 82 to 84

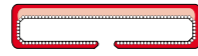
01.3 SECUTEX PROTECTIVE HOSES

secutex Protective sleeves
 Technical data and order overview

Powerbands
 Powerband band slings

PB Star

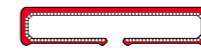
secuwave [SWS] and secuflex protective sleeve [SFX]



	Protective sleeve secuwave				Protective sleeve SFX			
	External width [mm]	External height [mm]	Weight approx. running m [kg]	*	External width [mm]	External height [mm]	Weight approx. running m [kg]	*
PB 1000 Star	SWS-30	55	50	*	SFX-30	62	5	0,9
PB 2000 Star	SWS-60	85	43	*	SFX-60	90	5	1,4
PB 3000 Star	SWS-90	115	45	*	SFX-90	118	5	1,8
PB 4000 Star	SWS-120	145	45	*	SFX-120	155	5	2,2
PB 5000 Star	SWS-150	175	45	*	SFX-150	185	5	2,7
PB 6000 Star	SWS-180	210	50	*				
PB 8000 Star	SWS-240	270	55	*				
PB 10000 Star	SWS-300	340	55	*				

* upon request

veloxClip [V-SC] and easyClip



	Protective sleeve veloxClip				Protective sleeve easyClip			
	External width [mm]	External height [mm]	Weight approx. running m [kg]	*	External width [mm]	External height [mm]	Weight approx. running m [kg]	*
PB 1000 Star	V-SC-30	47	17	0,7	EC-SC-30	47	22	0,9
PB 2000 Star	V-SC-60	85	18	1,1	EC-SC-60	85	23	1,4
PB 3000 Star	V-SC-90	115	20	2	EC-SC-90	115	25	2,2
PB 4000 Star					EC-SC-120	145	25	2,9
PB 5000 Star					EC-SC-150	175	25	3,4
PB 6000 Star					EC-SC-180	210	30	4,2
PB 8000 Star					EC-SC-240	270	35	5,5
PB 10000 Star					EC-SC-300	340	35	6,8

Please note:

The information on "metal reinforcement", "ground" and "combination of metal reinforcement and ground" can be found on pages 82 to 84

01.3 SECUTEX PROTECTIVE HOSES

secutex Protective sleeves
Technical data and order overview

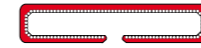
PCS lifting straps

Protective sleeve single-sided [SF1] and Protective sleeve two-sided [SF2]



	Protective sleeve single-sided				Protective sleeve double-sided			
	External width [mm]	External height [mm]	Weight approx. running m [kg]	External width [mm]	External height [mm]	Weight approx. running m [kg]		
PCS 2000	SF1-PCS 30	55	30	0,6	SF2-PCS 30	55	30	0,9
PCS 4000	SF1-PCS 60	90	35	1,6	SF2-PCS 60	90	35	2,1
PCS 6000	SF1-PCS 90	110	35	1,7	SF2-PCS 90	110	35	2,3
PCS 8000	SF1-PCS 120	145	40	2,3	SF2-PCS 120	145	40	3,2
PCS 10000	SF1-PCS 150	210	40	3,6	SF2-PCS 150	210	40	4,8
PCS 12000	SF1-PCS 180	230	40	3,4	SF2-PCS 180	230	40	4,9
PCS 16000	SF1-PCS 240	270	45	4,1	SF2-PCS 240	270	45	5,9
PCS 20000	SF1-PCS 300	340	40	4,6	SF2-PCS 300	340	40	6,8
PCS 2000-DD	SF1-PCS 30	55	30	0,6	SF2-PCS 30	55	30	0,9
PCS 4000-DD	SF1-PCS 60	90	35	1,6	SF2-PCS 60	90	35	2,1
PCS 6000-DD	SF1-PCS 90	110	35	1,7	SF2-PCS 90	110	35	2,3
PCS 8000-D1D1	SF1-PCS 120	145	40	2,3	SF2-PCS 120	145	40	3,2
PCS 10000-D1D1	SF1-PCS 150	210	40	3,6	SF2-PCS 150	210	40	4,8
PCS 12000-D1D1	SF1-PCS 180	230	40	3,4	SF2-PCS 180	230	40	4,9
PCS 16000-D1D1	SF1-PCS 240	270	45	4,1	SF2-PCS 240	270	45	5,9
PCS 20000-D1D1	SF1-PCS 300	340	40	4,6	SF2-PCS 300	340	40	6,8

Protective sleeve clip [SC] and secuWave [SWS]



	Protective sleeve clip			secuWave Protective sleeve				
	External width [mm]	External height [mm]	Weight approx. running m [kg]	External width [mm]	External height [mm]	Weight approx. running m [kg]		
PCS 2000	SC-PCS 30	55	30	0,9	SWS-PCS 30	55	50	*
PCS 4000	SC-PCS 60	90	35	2,1	SWS-PCS 60	90	55	*
PCS 6000	SC-PCS 90	110	35	2,3	SWS-PCS 90	110	55	*
PCS 8000	SC-PCS 120	145	40	3,2	SWS-PCS 120	145	60	*
PCS 10000	SC-PCS 150	210	40	4,8	SWS-PCS 150	210	60	*
PCS 12000	SC-PCS 180	230	40	4,9	SWS-PCS 180	230	60	*
PCS 16000	SC-PCS 240	270	45	5,9	SWS-PCS 240	270	65	*
PCS 20000	SC-PCS 300	340	40	6,8	SWS-PCS 300	340	60	*
PCS 2000-DD	SC-PCS 30	55	30	0,9	SWS-PCS 30	55	50	*
PCS 4000-DD	SC-PCS 60	90	35	2,1	SWS-PCS 60	90	55	*
PCS 6000-DD	SC-PCS 90	110	35	2,3	SWS-PCS 90	110	55	*
PCS 8000-DD	SC-PCS 120	145	40	3,2	SWS-PCS 120	145	60	*
PCS 10000-DD	SC-PCS 150	210	40	4,8	SWS-PCS 150	210	60	*
PCS 12000-DD	SC-PCS 180	230	40	4,9	SWS-PCS 180	230	60	*
PCS 16000-DD	SC-PCS 240	270	45	5,9	SWS-PCS 240	270	65	*
PCS 20000-DD	SC-PCS 300	340	40	6,8	SWS-PCS 300	340	60	*

* upon request

Please note:

The information on "metal reinforcement", "ground" and "combination of metal reinforcement and ground" can be found on pages 82 to 84

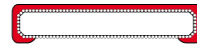
01.3 SECUTEX PROTECTIVE HOSES

Technical data and order overview

lifting straps 1-ply/2-ply/4-ply
round slings

metal reinforcement [A]
ground, rough surface [S]
combination of metal reinforcement and
grinding [A+S]

Protective sleeve single-sided [SF1]



	External width [mm]	External height A*	Weight approx. running m [kg]	External height S*	Weight approx. running m [kg]	External height A + S*	Weight approx. running m [kg]
SF1-30	55	33	0,8	30	0,6	33	0,8
SF1-50	70	26	1,1	23	0,9	26	1,1
SF1-60	85	26	1,2	23	1	26	1,2
SF1-65	80	26	1,3	23	1,1	26	1,3
SF1-75	95	28	1,5	25	1,3	28	1,5
SF1-90	115	28	1,7	25	1,5	28	1,7
SF1-100	125	28	1,7	25	1,5	28	1,7
SF1-120	145	28	2,2	25	2	28	2,2
SF1-125	110	38	2,1	35	1,9	38	2,1
SF1-150	175	28	2,5	25	2,3	28	2,5
SF1-180	210	33	3,1	30	2,9	33	3,1
SF1-200	175	38	2,6	35	2,4	38	2,6
SF1-240	270	38	3,9	35	3,7	38	3,9
SF1-250	210	53	4,8	50	4,6	53	4,8
SF1-300	340	38	4,8	35	4,6	38	4,8
SF1-350	365	63	7,7	60	7,5	63	7,7
SF1-PCS 30	55	33	0,8	30	0,6	33	0,8
SF1-PCS 60	90	38	1,8	35	1,6	38	1,8
SF1-PCS 90	110	38	1,9	35	1,7	38	1,9
SF1-PCS 120	145	43	2,5	40	2,3	43	2,5
SF1-PCS 150	210	43	3,8	40	3,6	43	3,8
SF1-PCS 180	230	43	3,6	40	3,4	43	3,6
SF1-PCS 240	270	48	4,3	45	4,1	48	4,3
SF1-PCS 300	340	43	4,8	40	4,6	43	4,8

Protective sleeve two-sided [SF2]



	External width [mm]	External height A*	Weight approx. running m [kg]	External height S*	Weight approx. running m [kg]	External height A + S*	Weight approx. running m [kg]
SF2-30	55	36	1,3	30	0,9	36	1,3
SF2-50	70	31	1,6	25	1,2	31	1,6
SF2-60	85	29	1,8	23	1,4	29	1,8
SF2-65	80	31	1,9	25	1,5	31	1,9
SF2-75	95	31	2,2	25	1,8	31	2,2
SF2-90	115	31	2,6	25	2,2	31	2,6
SF2-100	125	31	2,5	25	2,1	31	2,5
SF2-120	145	31	3,3	25	2,9	31	3,3
SF2-125	110	41	3,0	35	2,6	41	3,0
SF2-150	175	31	3,8	25	3,4	31	3,8
SF2-180	210	36	4,6	30	4,2	36	4,6
SF2-200	175	41	3,9	35	3,5	41	3,9
SF2-240	270	41	5,9	35	5,5	41	5,9
SF2-250	210	56	6,3	50	5,9	56	6,3
SF2-300	340	41	7,2	35	6,8	41	7,2
SF2-350	365	66	14	60	10	66	14
SF2-PCS 30	55	36	1,3	30	0,9	36	1,3
SF2-PCS 60	90	41	2,5	35	2,1	41	2,5
SF2-PCS 90	110	41	2,7	35	2,3	41	2,7
SF2-PCS 120	145	46	3,6	40	3,2	46	3,6
SF2-PCS 150	210	46	5,2	40	4,8	46	5,2
SF2-PCS 180	230	46	5,3	40	4,9	46	5,3
SF2-PCS 240	270	51	6,3	45	5,9	51	6,3
SF2-PCS 300	340	46	7,2	40	6,8	46	7,2

„A“ metal reinforcement
„S“ ground, rough surface
„A+S“ combination of metal reinforcement and grinding

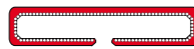
01.3 SECUTEX PROTECTIVE HOSES

Technical data and order overview

lifting straps 1-ply/2-ply/4-ply
round slings

metal reinforcement [A]
ground, rough surface [S]
combination of metal reinforcement and
grinding [A+S]

Protective sleeve clip [SC]



	External width [mm]	External height A* [mm]	Weight approx. running m [kg]	External height S* [mm]	Weight approx. running m [kg]	External height A + S* [mm]	Weight approx. running m [kg]
SC-30	47	25	1,1	22	0,9	25	1,1
SC-50	70	28	1,3	25	1,1	28	1,3
SC-60	85	26	1,6	23	1,4	26	1,6
SC-65	80	28	1,5	25	1,3	28	1,6
SC-75	95	28	2,1	25	1,8	28	2,1
SC-90	115	28	2,4	25	2,2	28	2,4
SC-100	125	28	2,3	25	2,1	28	2,3
SC-120	145	28	3,1	25	2,9	28	3,1
SC-125	110	38	2,8	35	2,6	38	2,8
SC-150	175	28	3,6	25	3,4	28	3,6
SC-180	210	33	4,4	30	4,2	33	4,4
SC-200	175	38	3,7	35	3,5	38	3,7
SC-240	270	38	5,7	35	5,5	38	5,7
SC-250	210	53	6,1	50	5,9	53	6,1
SC-300	340	38	7,0	35	6,8	38	7,0
SC-350	365	63	12	60	10	63	12
SC-PCS 30	55	33	1,1	30	0,9	33	1,1
SC-PCS 60	90	38	2,3	35	2,1	38	2,3
SC-PCS 90	110	38	2,5	35	2,3	38	2,5
SC-PCS 120	145	43	3,4	40	3,2	43	3,4
SC-PCS 150	210	43	5,0	40	4,8	43	5,0
SC-PCS 180	230	43	5,1	40	4,9	43	5,1
SC-PCS 240	270	48	6,1	45	5,9	48	6,1
SC-PCS 300	340	43	7,0	40	6,8	43	7,0

„A“ metal reinforcement

„S“ ground, rough surface

„A+S“ combination of metal reinforcement and grinding

01.3 SECUTEX PROTECTIVE HOSES

EcoSleeve

EasyClip

EcoSleeve [ES]



Strap width [mm]	Protective sleeve single-sided		External height approx. [mm]	Protective sleeve double-sided		External height approx. [mm]
	External width approx. [mm]	External height approx. [mm]		External width approx. [mm]	External height approx. [mm]	
30	ES-1-30	30	22	ES-2-30	30	22
50	ES-1-50	50	22	ES-2-50	50	22
60	ES-1-60	60	22	ES-2-60	60	22
90	ES-1-90	90	22	ES-2-90	90	22
120	ES-1-120	120	40	ES-2-120	120	40
150	ES-1-150	150	30	ES-2-150	150	30
180	ES-1-180	180	22	ES-2-180	180	22
240	ES-1-240	240	35	ES-2-240	240	35
300	ES-1-300	300	40	ES-2-300	300	40

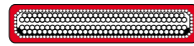
01.3 SECUTEX PROTECTIVE HOSES

Technical data and order overview

secumove

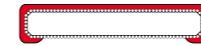
secutex split strap turning strap

secumove



	Load lifting capacity [kg]	Minimum length L1 [mm]	Lifting strap length [mm]	Thickness [mm]
PB 1000-FS-1	1000	2000	600	25
PB 2000-FS-1	2000	2000	600	25
PB 3000-FS-1	3000	2500	800	25
PB 4000-FS-1	4000	2500	800	25
PB 5000-FS-1	5000	3000	1000	25
PB 6000-FS-1	6000	4000	1400	30
PB 8000-FS-1	8000	4000	1600	35
PB 10000-FS-1	10000	5000	2000	35
PCS 2000-FS-1	2000	2000	700	25
PCS 4000-FS-1	4000	2500	800	35
PCS 6000-FS-1	6000	3000	1200	35
PCS 8000-FS-1	8000	4000	1600	40
PCS 10000-FS-1	10000	5000	1800	40
PCS 12000-FS-1	12000	6000	2200	40
PCS 16000-FS-1	16000	6000	2400	45
PCS 20000-FS-1	20000	7000	2800	45
PB 1000-FS-2	1000	2000	600	25
PB 2000-FS-2	2000	2000	600	25
PB 3000-FS-2	3000	2500	800	25
PB 4000-FS-2	4000	2500	800	25
PB 5000-FS-2	5000	3000	1000	25
PB 6000-FS-2	6000	4000	1400	30
PB 8000-FS-2	8000	4000	1600	35
PB 10000-FS-2	10000	5000	2000	35
PCS 2000-FS-2	2000	2000	700	25
PCS 4000-FS-2	4000	2500	800	35
PCS 6000-FS-2	6000	3000	1200	35
PCS 8000-FS-2	8000	4000	1600	40
PCS 10000-FS-2	10000	5000	1800	40
PCS 12000-FS-2	12000	6000	2200	40
PCS 16000-FS-2	16000	6000	2400	45
PCS 20000-FS-2	20000	7000	2800	45

secutex split strap turning strap

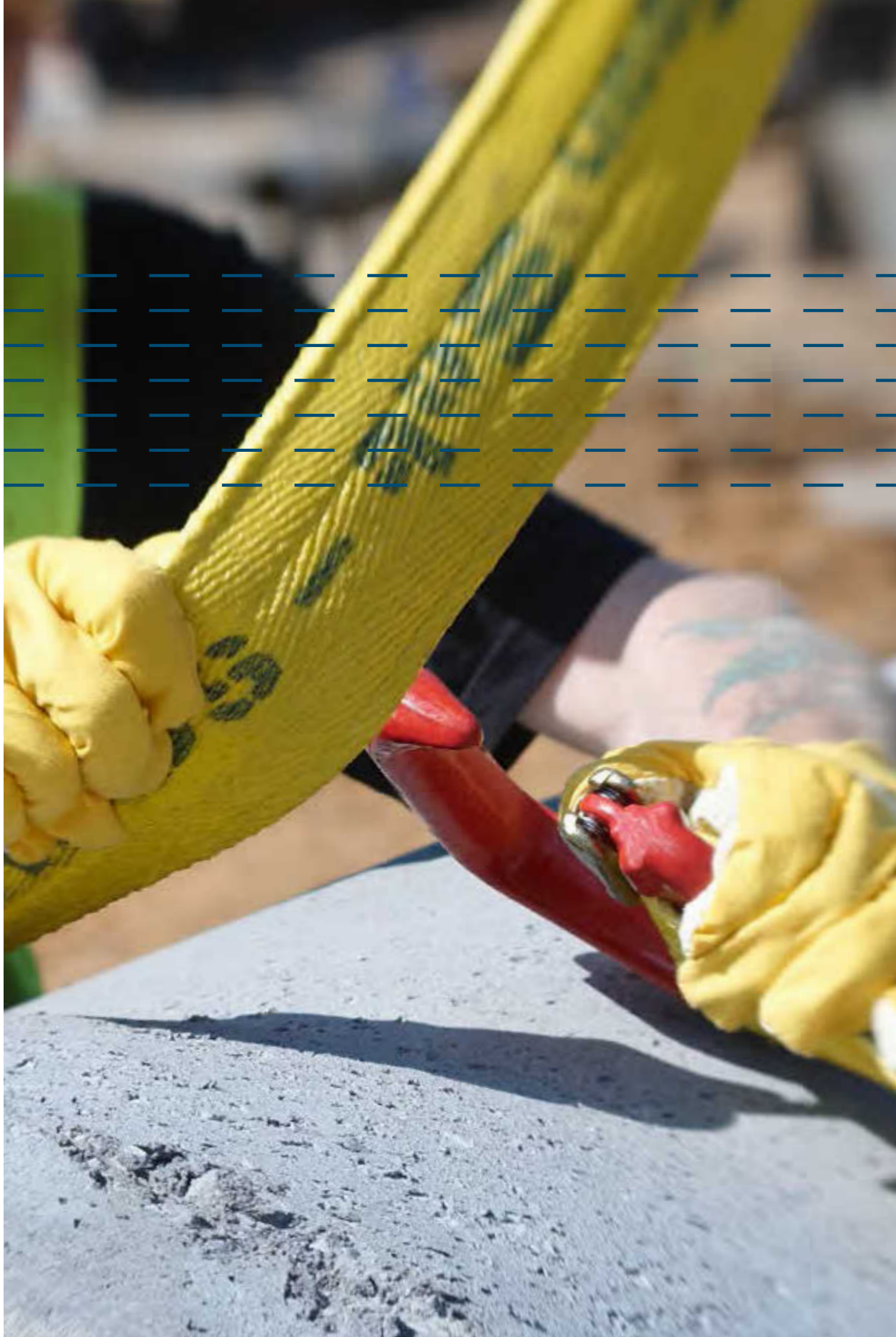


	Load lifting capacity [kg]	Protective sleeve width [mm]	Lifting strap length [mm]	Lifting strap width [mm]	Thickness [mm]
PB-2000-SWB	2000	70	2000	60	20
PB-2000-SWB	2000	70	2500	60	20
PB-2000-SWB	2000	70	3000	60	20
PB-2000-SWB	2000	70	4000	60	20

01.4

secutex fixed coating

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secutex fixed coating

secutex coated lifting straps gently adapt to the „sharp edges“ of the load. The extreme structural resistance of the secutex material safely prevents any cutting of the load lifting accessory. For very „sharp edges“ the coated lifting strap is preferable since it reliably prevents movement over the edge.

We offer two different Types of fixed coating.

The secutex fixed coating protects the single-sided secutex coating against cuts to the load-bearing textile. The reverse side is protected against abrasion and dirt by the Powerflex thin

coating. The lifting straps with secutex fixed coatings are very flexible and easy-to-use.

The two-sided fixed coating provides all-round protection to the lifting strap, offering double security. This means that both sides can be used as contact sides. Dangerous mix-ups are now a thing of the past. When lifting long steel components, the user is helped by the good friction of the secutex coating. Even when subjected to a slight out-of-centre impact, the beams do not slip out of control. The load can be brought safely to the ground and attached correctly.

01.4 SECUTEX FIXED COATING

secuflex [SX]
Powerflex [P1]
Powerflex [P2]

secuflex [SX]
Powerflex [P1]
Powerflex [P2]

secuflex [SX]

Extremely cut-resistant contact side

In this version the lifting strap is coated with two different Types. The secutex layer on the contact side is extremely cut-resistant. The reverse side is coated with Powerflex. Powerflex prevents abrasion and provides additional protection to the textile against dirt and the penetration of foreign particles.

The advantages

- Working with two contact sides
- Extremely cut-resistant
- Impossible for creases to form in the textile
- Durably maintain their shapes

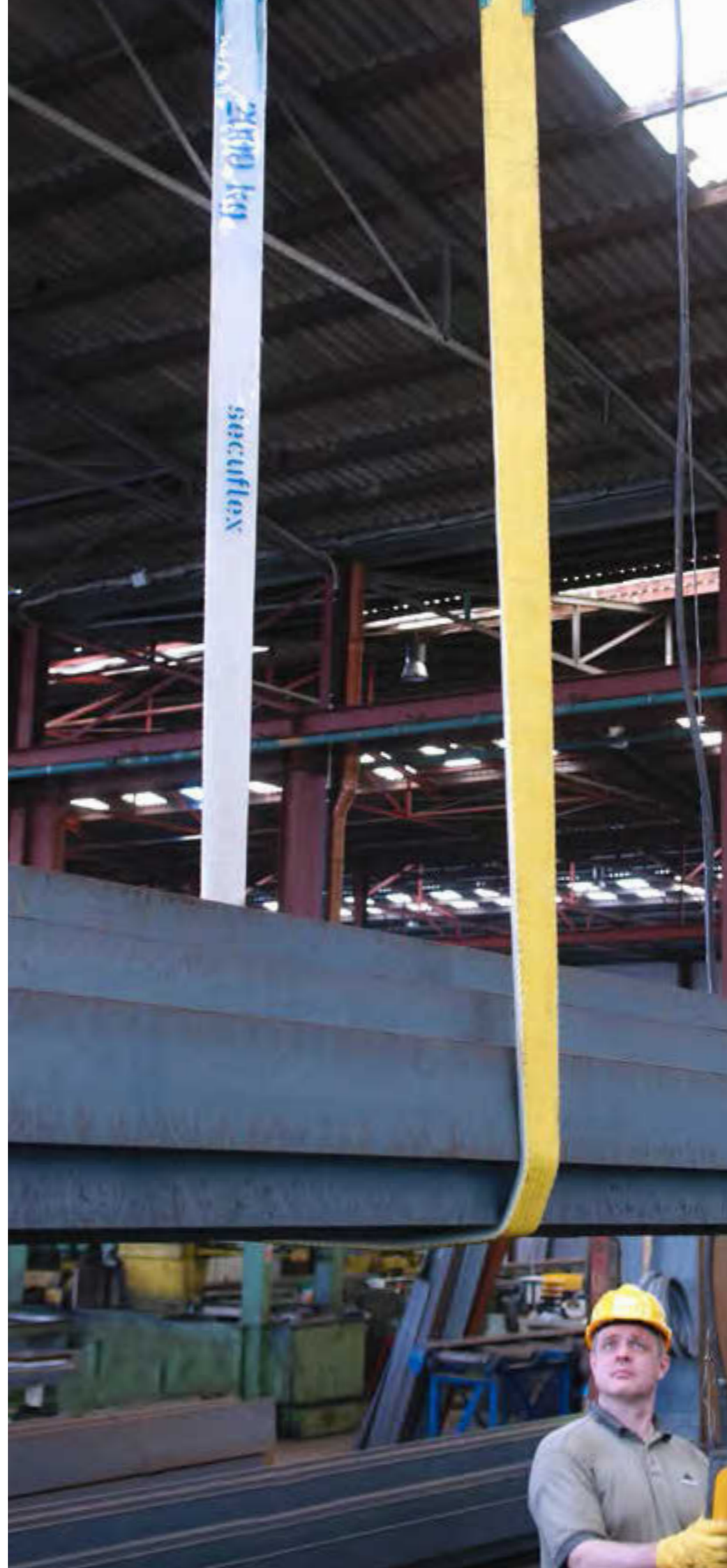
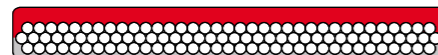
-End pieces

- Various loop forms
- D-shackle
- C-shackle

Optionally available

- Various surfaces
- Reinforcement

Secuflex „SX“ [cross-section of the coated lifting strap]: contact side coated with secutex, reverse side coated with Powerflex



Powerflex [P1] und Powerflex [P2]

Compact thin coating

This very compact thin layer surrounds the lifting strap either on a single side or completely. It is extremely wear-resistant and ideal for very rough surfaces. The Powerflex coating provides additional protection to the textile against dirt and the penetration of foreign particles.

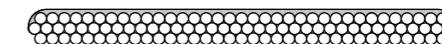
The advantages

- For rough surfaces
- Extreme abrasion resistance
- Seals the surface
- Easy to clean
- Impossible for creases to form in the textile

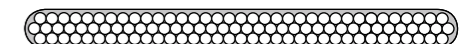
-End pieces

- Various loop forms
- D-shackle
- C-shackle

Powerflex „P1“ [cross-section of the coated lifting strap]: coated with Powerflex on one side



Powerflex „P2“ [cross-section of the coated lifting strap]: coated with Powerflex on both sides





01.4 SECUTEX FIXED COATING

secutex [S1]
secutex [S2]

secutex [S1] und secutex [S2]

secutex [S1]
secutex [S2]

Coated with secutex on one side or equally on both sides, this version is particularly robust and extremely cut-resistant.

The advantages

- Extremely cut-resistant
- Impossible for creases to form in the textile
- Nearly indestructible

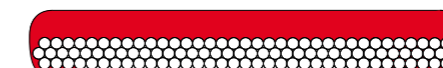
End pieces

- Various loop forms
- D-shackle
- C-shackle

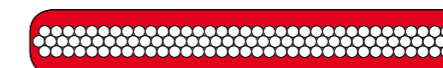
Optionally available

- Various surfaces
- Reinforcement
- Various secutex Types

secutex „S1“ [cross-section of the coated lifting strap]; coated with secutex on one side



secutex „S2“ [cross-section of coated lifting strap]; encased with secusfar on every side



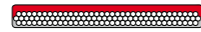
secutex fixed coating
Technical data and order overview

01.4 SECUTEX FIXED COATING

secutex fixed coating
Technical data and order overview

SpanSet-Powerband
Lifting strap 2-ply
according to DIN EN 1492-1
Lifting strap 4-ply
according to DIN EN 1492-2

secuflex-coating



	Load bearing capacity [kg]	Loop width [mm]	Loop length [mm]	L1 min. [mm]	Strap width [mm]	Thickness incl. coating [mm]	Weight approx. [kg]	Weight approx. running m [kg]
PB 1000-SX	1000	30	300	1000	30	13,1	0,5	0,4
PB 2000-SX	2000	35	300	1000	60	13,5	1,2	0,8
PB 3000-SX	3000	50	400	1300	90	13,9	1,6	1,3
PB 4000-SX	4000	65	400	1300	120	14,9	2,2	1,8
PB 5000-SX	5000	80	500	1500	150	14,9	2,8	2,2
PB 6000-SX	6000	70	700	1900	180	15,1	3,3	2,7
PB 8000-SX	8000	90	800	2200	240	15,1	4,2	3,8
PB 10000-SX	10000	160	1000	2600	300	15,5	6,8	4,8
PB 1000-SX-C	1000	30	300	1000	30	13,1	1	0,4
PB 2000-SX-C	2000	35	300	1000	60	13,5	2,7	0,8
PB 3000-SX-C	3000	50	400	1000	90	13,9	3,6	1,3
PB 5000-SX-C	5000	80	500	1500	150	14,9	10,6	2,2
PB 1000-SX-CD	1000	*	*	1000	30	13,1	1,6	0,4
PB 2000-SX-CD	2000	*	*	1000	60	13,5	3,6	0,8
PB 3000-SX-CD	3000	*	*	1000	90	13,9	5,4	1,3
PB 5000-SX-CD	5000	*	*	1500	150	14,9	14,6	2,2
PB 1000-SX-DD	1000	*	*	1000	30	13,1	1,1	0,4
PB 2000-SX-DD	2000	*	*	1000	60	13,5	2,2	0,8
PB 3000-SX-DD	3000	*	*	1000	90	13,9	4	1,3
PB 4000-SX-DD	4000	*	*	1200	120	14,9	5,6	1,8
PB 5000-SX-DD	5000	*	*	1500	150	14,9	9,1	2,2
PB 6000-SX-DD	6000	*	*	1800	180	15,1	15,1	2,7
PB 8000-SX-DD	8000	*	*	2200	240	15,1	23	3,8
PB 10000-SX-DD	10000	*	*	2400	300	15,5	34,1	4,8
PCS 2000-SX	2000	30	350	1100	30	20,2	*	*
PCS 4000-SX	4000	60	400	1300	60	21	*	*
PCS 6000-SX	6000	50	600	1700	90	21,8	*	*
PCS 8000-SX	8000	65	800	2200	120	23,8	*	*
PCS 10000-SX	10000	80	900	2400	150	23,8	*	*
PCS 12000-SX	12000	95	1100	2800	180	24,2	*	*
PCS 16000-SX	16000	125	1200	3000	240	24,2	*	*
PCS 20000-SX	20000	155	1400	3400	300	25	*	*
PCS 2000-SX-DD	2000	*	*	1100	30	20,2	*	*
PCS 4000-SX-DD	4000	*	*	1300	60	21	*	*
PCS 6000-SX-DD	6000	*	*	1700	90	21,8	*	*
PCS 8000-SX-D1D1	8000	*	*	2200	120	23,8	*	*
PCS 10000-SX-D1D1	10000	*	*	2400	150	23,8	*	*
PCS 12000-SX-D1D1	12000	*	*	2800	180	24,2	*	*
PCS 16000-SX-D1D1	16000	*	*	3000	240	24,2	*	*
PCS 20000-SX-D1D1	20000	*	*	3400	300	25	*	*

* Upon request

01.4 SECUTEX FIXED COATING

secutex fixed coating
Technical data and order overview

SpanSet-Powerband
Lifting strap 2-ply
according to DIN EN 1492-1
Lifting strap 4-ply
according to DIN EN 1492-2

Powerflex-coating



	Load bearing capacity [kg]	Loop width [mm]	Loop length [mm]	L1 min. [mm]	Strap width [mm]	Thickness incl. coating [mm]	Weight approx. [kg]	Weight approx. running m [kg]
PB 1000-P2	1000	30	300	1000	30	9,1	0,4	0,3
PB 2000-P2	2000	35	300	1000	60	9,5	1	0,6
PB 3000-P2	3000	50	400	1300	90	9,9	1,3	0,8
PB 4000-P2	4000	65	400	1300	120	10,9	1,8	1,1
PB 5000-P2	5000	80	500	1500	150	10,9	2,4	1,4
PB 6000-P2	6000	70	700	1900	180	11,1	3	1,7
PB 8000-P2	8000	90	800	2200	240	11,1	4,3	2,3
PB 10000-P2	10000	160	1000	2600	300	11,5	7,2	2,8
PB 1000-P2-C	1000	30	300	1000	30	9,1	0,9	0,3
PB 2000-P2-C	2000	35	300	1000	60	9,5	2,5	0,6
PB 3000-P2-C	3000	50	400	1000	90	9,9	4,3	0,8
PB 5000-P2-C	5000	80	500	1500	150	10,9	10,2	1,4
PB 1000-P2-CD	1000	*	*	1000	30	9,1	1,5	0,3
PB 2000-P2-CD	2000	*	*	1000	60	9,5	3,4	0,6
PB 3000-P2-CD	3000	*	*	1000	90	9,9	6,1	0,8
PB 5000-P2-CD	5000	*	*	1500	150	10,9	14,2	1,4
PB 1000-P2-DD	1000	*	*	1000	30	9,1	1	0,3
PB 2000-P2-DD	2000	*	*	1000	60	9,5	2	0,6
PB 3000-P2-DD	3000	*	*	1000	90	9,9	3,7	0,8
PB 4000-P2-DD	4000	*	*	1200	120	10,9	5,4	1,1
PB 5000-P2-DD	5000	*	*	1500	150	10,9	8,7	1,4
PB 6000-P2-DD	6000	*	*	1800	180	11,1	14,8	1,7
PB 8000-P2-DD	8000	*	*	2200	240	11,1	22,8	2,3
PB 10000-P2-DD	10000	*	*	2400	300	11,5	34	2,8
PCS 2000-P2	2000	30	350	1100	30	16,2	*	*
PCS 4000-P2	4000	60	400	1300	60	17	*	*
PCS 6000-P2	6000	50	600	1700	90	17,8	*	*
PCS 8000-P2	8000	65	800	2200	120	19,8	*	*
PCS 10000-P2	10000	80	900	2400	150	19,8	*	*
PCS 12000-P2	12000	95	1100	2800	180	20,2	*	*
PCS 16000-P2	16000	125	1200	3000	240	20,2	*	*
PCS 20000-P2	20000	155	1400	3400	300	21	*	*
PCS 2000-P2-DD	2000	*	*	1100	30	16,2	*	*
PCS 4000-P2-DD	4000	*	*	1300	60	17	*	*
PCS 6000-P2-DD	6000	*	*	1700	90	17,8	*	*
PCS 8000-P2-D1D1	8000	*	*	2200	120	19,8	*	*
PCS 10000-P2-D1D1	10000	*	*	2400	150	19,8	*	*
PCS 12000-P2-D1D1	12000	*	*	2800	180	20,2	*	*
PCS 16000-P2-D1D1	16000	*	*	3000	240	20,2	*	*
PCS 20000-P2-D1D1	20000	*	*	3400	300	21	*	*

* Upon request

01.4 SECUTEX FIXED COATING

secutex fixed coating
Technical data and order overview

SpanSet-Powerband
Lifting strap 2-ply
according to DIN EN 1492-1
Lifting strap 4-ply
according to DIN EN 1492-2

Single-sided secutex coating [S1]



	Load bearing capacity [kg]	Loop width [mm]	Loop length [mm]	L1 min. [mm]	Strap width [mm]	Thickness incl. coating [mm]	Weight approx. [kg]	Weight approx. running m [kg]
PB 1000-S1	1000	30	300	1000	40	12,1	*	*
PB 2000-S1	2000	35	300	1000	70	12,5	*	*
PB 3000-S1	3000	50	400	1300	100	12,9	*	*
PB 4000-S1	4000	65	400	1300	130	13,9	*	*
PB 5000-S1	5000	80	500	1500	160	13,9	*	*
PB 6000-S1	6000	90	700	1900	190	14,1	*	*
PB 8000-S1	8000	90	800	2200	250	14,1	*	*
PB 10000-S1	10000	160	1000	2600	310	14,5	*	*
PB 1000-S1-C	1000	30	300	1000	40	12,1	*	*
PB 2000-S1-C	2000	35	300	1000	70	12,5	*	*
PB 3000-S1-C	3000	50	400	1000	100	12,9	*	*
PB 5000-S1-C	5000	80	500	1500	160	13,9	*	*
PB 1000-S1-CD	1000	*	*	1000	40	12,1	*	*
PB 2000-S1-CD	2000	*	*	1000	70	12,5	*	*
PB 3000-S1-CD	3000	*	*	1000	100	12,9	*	*
PB 5000-S1-CD	5000	*	*	1500	160	13,9	*	*
PB 1000-S1-DD	1000	*	*	1000	40	12,1	*	*
PB 2000-S1-DD	2000	*	*	1000	70	12,5	*	*
PB 3000-S1-DD	3000	*	*	1000	100	12,9	*	*
PB 4000-S1-DD	4000	*	*	1200	130	13,9	*	*
PB 5000-S1-DD	5000	*	*	1500	160	13,9	*	*
PB 6000-S1-DD	6000	*	*	1800	190	14,1	*	*
PB 8000-S1-DD	8000	*	*	2200	250	14,1	*	*
PB 10000-S1-DD	10000	*	*	2400	310	14,5	*	*
PCS 2000-S1	2000	30	350	1100	40	19,2	*	*
PCS 4000-S1	4000	60	400	1300	70	20	*	*
PCS 6000-S1	6000	50	600	1700	100	20,8	*	*
PCS 8000-S1	8000	65	800	2200	130	22,8	*	*
PCS 10000-S1	10000	80	900	2400	160	22,8	*	*
PCS 12000-S1	12000	95	1100	2800	190	23,2	*	*
PCS 16000-S1	16000	125	1200	3000	250	23,2	*	*
PCS 20000-S1	20000	155	1400	3400	310	24	*	*
PCS 2000-S1-DD	2000	*	*	1100	40	19,2	*	*
PCS 4000-S1-DD	4000	*	*	1300	70	20	*	*
PCS 6000-S1-DD	6000	*	*	1700	100	20,8	*	*
PCS 8000-S1-D1D1	8000	*	*	2200	130	22,8	*	*
PCS 10000-S1-D1D1	10000	*	*	2400	160	22,8	*	*
PCS 12000-S1-D1D1	12000	*	*	2800	190	23,2	*	*
PCS 16000-S1-D1D1	16000	*	*	3000	250	23,2	*	*
PCS 20000-S1-D1D1	20000	*	*	3400	310	24	*	*

* Upon request

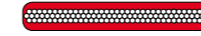
Please note that the rear bulge must also be taken into consideration in relation to the thickness of the strap.

Example: PB 1000-S1 = strap thickness (centre) approx. 12.1 mm and strap thickness (at the edge) incl. rear bulge approx. 17.1 mm.

Please note that the rear bulge must also be taken into consideration in relation to the thickness of the strap.

Example: PCS 2000-S1 = strap thickness (centre) approx. 19.2 mm and strap thickness (at the edge) incl. rear bulge approx. 24.2 mm.

Double-sided secutex coating [S2]



	Load bearing capacity [kg]	Loop width [mm]	Loop length [mm]	L1 min. [mm]	Strap width [mm]	Thickness incl. coating [mm]	Weight approx. [kg]	Weight approx. running m [kg]
PB 1000-S2	1000	30	300	1000	40	17,1	0,9	0,8
PB 2000-S2	2000	35	300	1000	70	17,5	1,4	1,4
PB 3000-S2	3000	50	400	1300	100	17,9	2	2,1
PB 4000-S2	4000	65	400	1300	130	18,9	2,7	2,9
PB 5000-S2	5000	80	500	1500	160	18,9	3,4	3,7
PB 6000-S2	6000	90	700	1900	190	19,1	3,8	4,4
PB 8000-S2	8000	90	800	2200	250	19,1	4,6	6,1
PB 10000-S2	10000	160	1000	2600	310	19,5	7	7,6
PB 1000-S2-C	1000	30	300	1000	40	17,1	1,4	0,8
PB 2000-S2-C	2000	35	300	1000	70	17,5	2,9	1,4
PB 3000-S2-C	3000	50	400	1000	100	17,9	5	2,1
PB 5000-S2-C	5000	80	500	1500	160	18,9	11,2	3,7
PB 1000-S2-CD	1000	*	*	1000	40	17,1	2	0,8
PB 2000-S2-CD	2000	*	*	1000	70	17,5	3,8	1,4
PB 3000-S2-CD	3000	*	*	1000	100	17,9	6,8	2,1
PB 5000-S2-CD	5000	*	*	1500	160	18,9	15,2	3,7
PB 1000-S2-DD	1000	*	*	1000	40	17,1	1,4	0,8
PB 2000-S2-DD	2000	*	*	1000	70	17,5	2,6	1,4
PB 3000-S2-DD	3000	*	*	1000	100	17,9	4,5	2,1
PB 4000-S2-DD	4000	*	*	1200	130	18,9	6,4	2,9
PB 5000-S2-DD	5000	*	*	1500	160	18,9	9,8	3,7
PB 6000-S2-DD	6000	*	*	1800	190	19,1	15,8	4,4
PB 8000-S2-DD	8000	*	*	2200	250	19,1	23,6	6,1
PB 10000-S2-DD	10000	*	*	2400	310	19,5	34,3	7,6
PCS 2000-S2	2000	30	350	1100	30	24,2	*	*
PCS 4000-S2	4000	60	400	1300	60	25	*	*
PCS 6000-S2	6000	50	600	1700	90	25,8	*	*
PCS 8000-S2	8000	65	800	2200	120	27,8	*	*
PCS 10000-S2	10000	80	900	2400	150	27,8	*	*
PCS 12000-S2	12000	95	1100	2800	180	28,2	*	*
PCS 16000-S2	16000	125	1200	3000	240	28,2	*	*
PCS 20000-S2	20000	155	1400	3400	300	29	*	*
PCS 2000-S2-DD	2000	*	*	1100	30	24,2	*	*
PCS 4000-S2-DD	4000	*	*	1300	60	25	*	*
PCS 6000-S2-DD	6000	*	*	1700	90	25,8	*	*
PCS 8000-S2-D1D1	8000	*	*	2200	120	27,8	*	*
PCS 10000-S2-D1D1	10000	*	*	2400	150	27,8	*	*
PCS 12000-S2-D1D1	12000	*	*	2800	180	28,2	*	*
PCS 16000-S2-D1D1	16000	*	*	3000	240	28,2	*	*
PCS 20000-S2-D1D1	20000	*	*	3400	300	29	*	*

* Upon request

01.4 SECUTEX FIXED COATING

secutex fixed coating
Technical data and order overview

Combi TEX lifting strap feeds
Combi TEX locking strap
Lifting strap 2-ply
according to DIN EN 1492-1

Combi TEX locking strap

	Load bearing capacity [kg]	Loop width [mm]	Loop length [mm]	L1 min. [mm]	Strap width [mm]	Thickness incl. coating [mm]	Weight approx. [kg]	Weight approx. running m [kg]
secuflex [SX]								
PB 1000-SX-V	1000	*	*	1000	30	13,1	0,5	0,4
PB 2000-SX-V	2000	*	*	1000	60	13,5	1,2	0,8
PB 3000-SX-V	3000	*	*	1000	90	13,9	1,6	1,3
PB 5000-SX-V	5000	*	*	1500	150	14,9	2,8	2,2
two-sided secutex-coating [S2]								
PB 1000-S2-V	1000	*	*	1000	30	17,1	0,9	0,8
PB 2000-S2-V	2000	*	*	1000	60	17,5	1,4	1,4
PB 3000-S2-V	3000	*	*	1000	90	17,9	2	2,1
PB 5000-S2-V	5000	*	*	1500	150	18,9	2,7	3,7
two-sided Powerflex [SX]								
PB 1000-P2-V	1000	*	*	1000	30	9,1	0,4	0,3
PB 2000-P2-V	2000	*	*	1000	60	9,5	1,0	0,6
PB 3000-P2-V	3000	*	*	1000	90	9,9	1,3	0,8
PB 5000-P2-V	5000	*	*	1500	150	10,9	2,4	1,4

* upon request

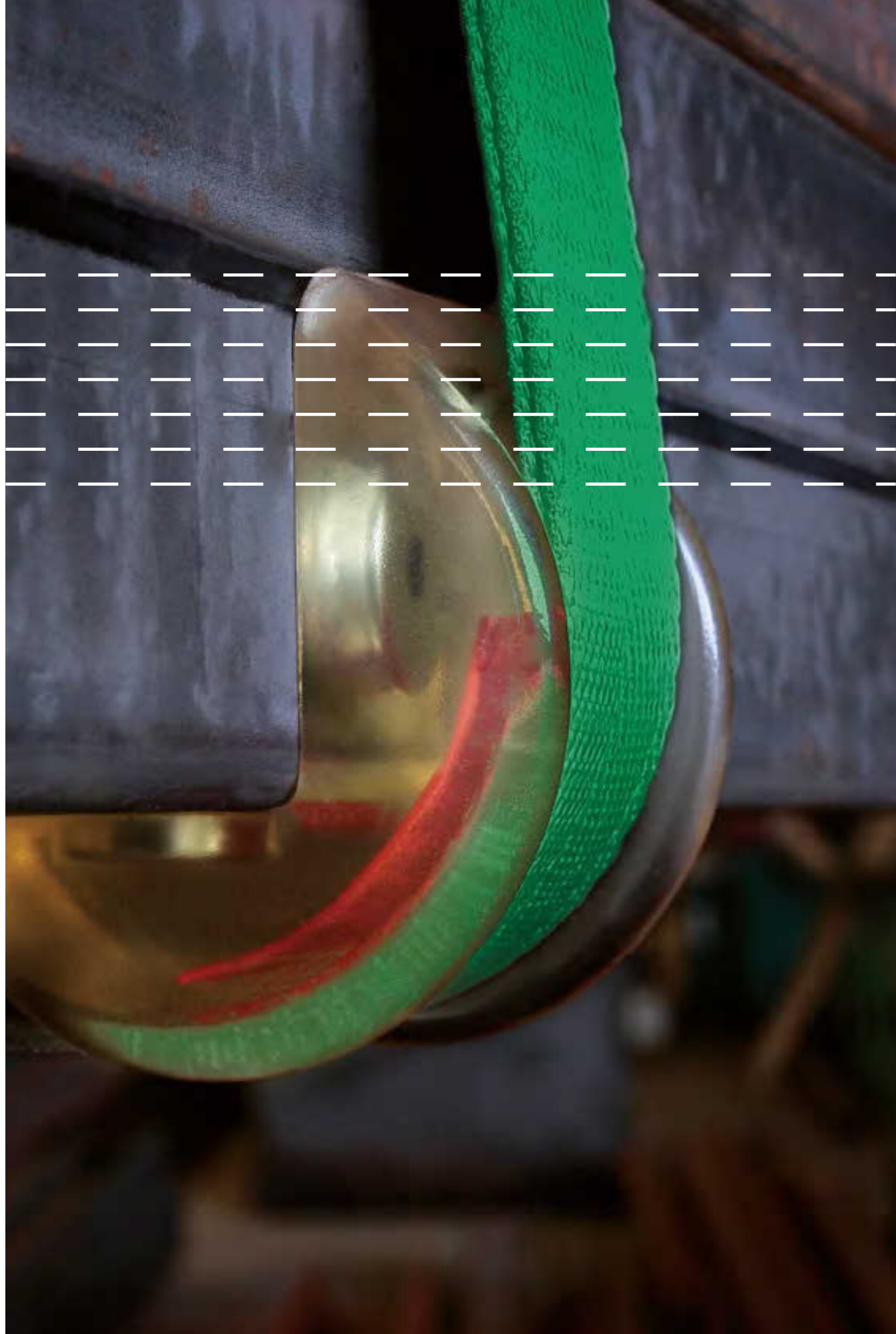
Combi TEX lifting strap feeds

	Load bearing capacity [kg]	Loop width [mm]	Loop length [mm]	L1 min. [mm]	Strap width [mm]	Thickness incl. coating [mm]	Weight approx. [kg]	Weight approx. running m [kg]
secuflex [SX]								
PB 1000-SX-C	1000	30	300	1000	30	13,1	1	0,4
PB 2000-SX-C	2000	35	300	1000	60	13,5	2,7	0,8
PB 3000-SX-C	3000	50	400	1000	90	13,9	3,6	1,3
PB 5000-SX-C	5000	80	500	1500	150	14,9	10,6	2,2
PB 1000-SC-CD	1000	C-Shackle	D-Shackle	1.900	30	13,1	1,6	0,4
PB 2000-SC-CD	2000	C-Shackle	D-Shackle	2200	60	13,5	3,6	0,8
PB 3000-SC-CD	3000	C-Shackle	D-Shackle	2600	90	13,9	5,4	1,3
PB 5000-SC-CD	5000*	C-Shackle	D-Shackle	1000	150	14,9	14,6	2,2
two-sided secutex-coating [S2]								
PB 1000-S2-C	1000	30	300	1000	30	17,1	1,4	0,8
PB 2000-S2-C	2000	35	300	1000	60	17,5	2,9	1,4
PB 3000-S2-C	3000	50	400	1000	90	17,9	5	2,1
PB 5000-S2-C	5000	80	500	1500	150	18,9	11,2	3,7
PB 1000-S2-CD	1000	C-Shackle	D-Shackle	1.900	30	17,1	2	0,8
PB 2000-S2-CD	2000	C-Shackle	D-Shackle	2200	60	17,5	3,8	1,4
PB 3000-S2-CD	3000	C-Shackle	D-Shackle	2600	90	17,9	6,8	2,1
PB 5000-S2-CD	5000*	C-Shackle	D-Shackle	1000	150	18,9	15,2	3,7
two-sided Powerflex [SX]								
PB 1000-P2-C	1000	30	300	1000	30	9,1	0,9	0,3
PB 2000-P2-C	2000	35	300	1000	60	9,5	2,5	0,6
PB 3000-P2-C	3000	50	400	1000	90	9,9	4,3	0,8
PB 5000-P2-C	5000	80	500	1500	150	10,9	10,2	1,4
PB 1000-P2-CD	1000	C-Shackle	D-Shackle	1.900	30	9,1	0,9	0,3
PB 2000-P2-CD	2000	C-Shackle	D-Shackle	2200	60	9,5	2,5	0,6
PB 3000-P2-CD	3000	C-Shackle	D-Shackle	2600	90	9,9	4,3	0,8
PB 5000-P2-CD	5000*	C-Shackle	D-Shackle	1000	150	10,9	10,2	1,4

01.5

secutex edge protectors

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secutex edge protector

If the load has sharp edges or has a rough surface, suitable abrasion or edge protection must be used. secutex edge protectors are easy to handle and flexible to use. The optional version with magnets means that the edge protectors are easy to place on magnetic loads. Furthermore, the secutex edge protection drastically extends the lifespan of the load lifting accessory.

When attaching with chains or cables, the surfaces and edges of the load must also be considered as „sharp edges“ as they can result in damage to the lifting cable.

A „sharp edge“ exists whenever the edge radius („r“) is smaller than the Diameter („d“) of the cable or the chain.

secutex edge protectors provide protection for the load and lifting accessory. secutex consists of an incredible polyurethane elastomer with particularly-impressive physical and chemical properties:

High structural performance

As opposed to other chemical products, secutex offers extreme tear-resistance. This means that the secutex material can be stretched to 500% of its original length without tearing.

Exceptional elasticity

In comparison with regular rubber, secutex offers significantly higher elasticity. Even under extreme temperature fluctuations - secutex remains elastic.

Extreme wear resistance

secutex is almost impossible to break down. In terms of resistance to wear through water, secutex is better than many metals.

01.5 SECUTEX EDGE PROTECTORS

Edge protection for lifting straps



Edge protection for lifting straps

The extremely robust secutex edge protectors are gentle to the load and lifting strap. They increase the radius of the edge and prevent the „sharp edge“.

Edge protector for lifting straps

[SWH]

The SWH edge protector for lifting straps significantly increases the radius of an edge. The perforated sheet reinforcement makes it particularly robust and long-lasting. The optional version with magnets can be easily attached to a magnetic load.

The advantages

- Reinforced with perforated sheets
- Extremely sturdy
- Protects the lifting strap and load at the edges

Optionally available

- Magnets for simple mounting on magnetic loads

Version	Magnets	Strap width [mm]
SWH Typee A	without magnet	30 - 300
SWH Typee B	1 magnet	30 - 300
SWH Typee C	2 magnets	30 - 300

Hinged edge protectors for lifting straps

[SK-B]

The SK-B edge protector can be optimally adapted to any load geometry thanks to its hinge. It is optionally available with magnets, allowing it to keep its position on a magnetic load. The mounting slit allows the edge protector to be quickly pushed onto the lifting strap and placed against the edge. The lifting strap slides through the secutex clip and remains in the lifting strap even if it is knocked off.

The advantages

- The lifting strap slides through the secutex Clip
- Optimally adapts to the load geometry
- Remains on the lifting strap even if it is knocked off

Optionally available

- Magnets for simple attachment to magnetic loads

Version	Magnets	Strap width [mm]
SK-B Typee A	without magnet	30 - 300
SK-B Typee B	1 magnet	30 - 300
SK-B Typee C	2 magnets	30 - 300

Simple edge protectors for lashing belts

[SK-BE]

Even when securing the load, the lashing material must be protected against the „sharp edge“. High-value loads may not be damaged by lashing chains or ropes. The SK-BE secutex simple edge protector has a low dead-weight and is easy to handle thanks to the flexible textile reinforcement. It is simply pushed onto the lashing material via the full-length opening on the reverse side and is thereby impossible to lose.

Important note: the secutex simple edge protector SK-BE is not suitable for prolonged use.

The advantages

- Particularly budget-friendly
- Low dead-weight
- Easy to install

Version	Bracket length [mm]	Strap width [mm]
SK-BE	100 - 150	35 - 75

secuwave edge protectors

[SWK]

For particularly heavy loads, normal secutex protective sleeves can only be used for larger edge radii since the heavy load round slings under a load are up to 80 mm thick. According to the technical definition, this creates a „sharp edge“. Both the load-bearing round slings as well as the protective sleeve are destroyed by the forces which occur here. The secuwave edge protector increases the load's edge radius. The wave profile helps the edge protector adapt to the load. The cast-in perforated sheet then permanently keeps the shape. The additional secutex protective sleeve reliably prevents the edge protector from moving through the heavy load round sling. Possible applications: bridge elements, machinery, gear segments etc.

The advantages

- Particularly sturdy
- Increases the radius of the edges
- Perforated sheet maintains the form of the load

Version	Bracket length [mm]	Strap width [mm]
SWK	300 - 500	200 - 600

01.5 SECUTEX EDGE PROTECTORS

Edge protection for chains

Edge protection for chains

Hinged edge protector for chains

[SK-K]

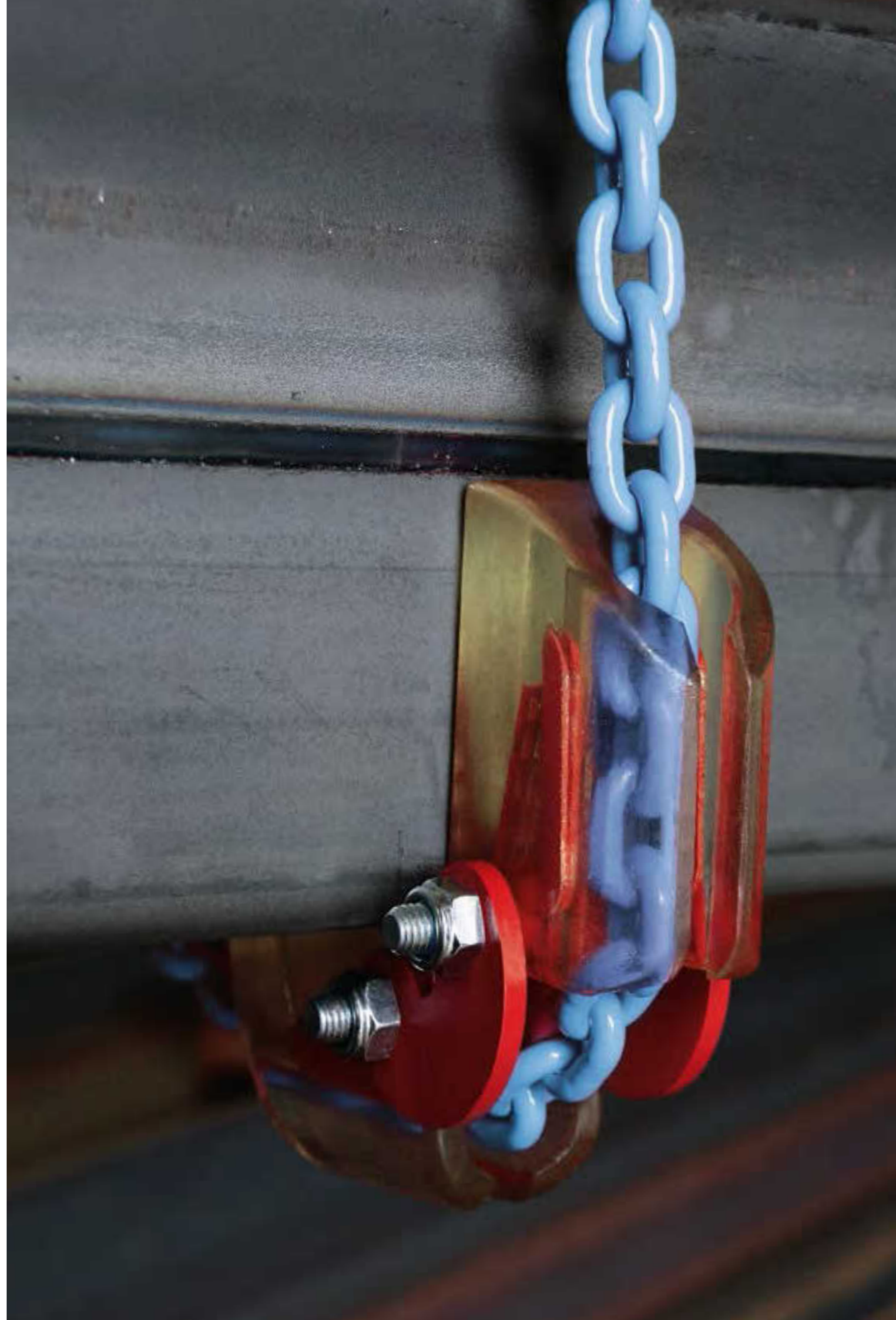
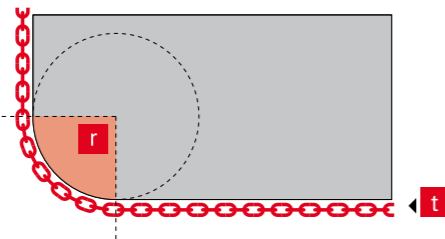
The attachment chain may only be used as an attachment accessory without edge protection if a 20% reduction in load lifting capacity is taken into consideration or if the next-largest chain thickness is used. Otherwise, a secutex SK-K hinged edge protector must be used.

A „sharp edge“ exists when the edge radius is smaller than the nominal thickness of the lashing chain. Further information is available in the „Sharp edge“ chapter.

The advantages

- The chain slides through the secutex clip
- Adapts optimally to the load geometry
- Does not fall off the chain even when knocked

Version	Nominal chain thickness [mm]	Bracket length [mm]
SK-K	6 - 32	80 - 260



Simple edge protector for lashing chains

[SK-KE]

Even when securing the load, the lashing chain must be protected against the „sharp edge“. High-value loads may not be damaged by lashing chains. The secutex SK-KE simple edge protector is simply placed onto the chain via the slit on the reverse side, making it impossible to lose. The edge protector is light and flexible. Due to the low dead-weight and flexible textile reinforcement, the edge protector can be attached easily and quickly to the load.

The advantages

- Particularly budget-friendly
- Low dead-weight
- Easy installation

Version	Nominal chain thickness [mm]	Bracket length [mm]
SK-KE	6 - 10	100 - 150

Important note: The secutex SK-KE simple edge protector is not intended for sustained use.

01.5 SECUTEX EDGE PROTECTORS

Edge protection for cables



Edge protection for cables

Hinged edge protector for cables [SK-D]

The SK-D edge protector optimally adapts to any load geometry. The mounting slit allows the edge protector to be quickly pushed onto the cable and placed against the edge. The cable slides through the secutex clip and remains in the lifting strap even if it is knocked off.

The advantages

- The cable slides through the secutex clip
- Adapts optimally to the load geometry
- Does not fall off the cable even if knocked

Version	Nominal cable thickness [mm]	Bracket length [mm]
SK-D	16 - 150	80 - 400

Simple edge protector for cables [SK-DE]

Even when securing the load, the cable must be protected against the „sharp edge“. High-value loads may not be damaged by the cable. The secutex SK-DE simple edge protector is simply placed onto the cable via the slit on the reverse side, making it impossible to lose. The edge protector is light and flexible. Due to the low dead-weight and flexible textile reinforcement, the edge protector can be attached easily and quickly to the load.

The advantages

- Particularly budget-friendly
- Low dead-weight
- Simple assembly

Version	Nominal cable thickness [mm]	Bracket length [mm]
SK-DE	8 - 14	50 - 125



Edge protector for heavy use [SKDS]

The SKDS hinged edge protector is a massive edge protector for cable grummetts. The edge protector flexibly adapts to the load, increasing the radius over critical edges and distributing the lifting forces over a larger area. The cable and load are equally protected. It is available in two versions, with either a steel or aluminium hinge.

The advantages

- Available in steel or aluminium versions
- Very sturdy secutex material
- High-quality machined, not cast, manufacture
- Entirely aluminium version optionally with magnet

Version	Nominal cable thickness [mm]	Bracket length [mm]
SKDS Stahl	20 - 80	50 - 200
SKDS Aluminium	20 - 50	50 - 140

Image: secutex SKDS edge protector, steel version (machined)

01.5 SECUTEX EDGE PROTECTORS

secutex turning mat
secuPad

secutex turning mat
secuPad

secutex turning mat

Prevents uncontrolled slipping

When no fixed installations such as turning tables are available, coils and large items of machinery are generally turned using a secutex protective sleeve. During this turning procedure, the lower edge of the load „rolls“ on the ground. On a smooth surface, the heavy load may slip away uncontrollably. Damage to valuable components is often unavoidable.

The secutex turning mat is slip-resistant on a dry surface. The elastic secutex is extremely cut-and abrasion-resistant, and the broadcloth reinforcement prevents the mat from stretching. With a thickness of 30 mm or 50 mm, the secutex turning mat is the optimal solution even for heavy loads and „sharp edges“.

The advantages

- No uncontrolled slipping
- Extremely cut-resistant

Optionally available

- Surface structure for oily and wet loads or surfaces
- As a floor covering for a turning spot

secutex turning mat [cross-section through the turning mat]:
extremely wear-resistant surface for turning



secuPad

The handy edge protector

When lifting machinery components, there are always edges and surfaces which are insufficiently protected by regular edge protectors and protective sleeves. Textile load lifting accessories cannot always be used as the cables or chains being used press against the load with extreme pressure. Damage to the often expensive and highly-machined components can often not be avoided, and the edges must be re-worked at great cost.

The secuPad is DIN A4 size and can easily be placed at critical locations by hand. It consists of multiple textile layers joined together on every size and adapts flexibly to even difficult contours. The surface is coated in Powerflex and protected against abrasion and the penetration of shavings and lubricants.

The advantages

- Easy to position by hand
- For rough surfaces
- Extremely wear-resistant
- Sealed surface
- Well-suited to operations in dirty areas
- Easy to clean

secutex edge protector
Technical data and order overview

01.5 SECUTEX EDGE PROTECTORS

Edge protector for lifting straps [SWH]
 Hinged edge protector [SK-B]
 SecuWave edge protector [SWK]
 Hinged edge protector for chains [SK-K]

Edge protector for lifting straps [SWH]

Type A	Strap width max. [mm]	Magnets per bracket
without magnet attachment		
SWH-30-A	30	0
SWH-60-A	60	0
SWH-65-A	65	0
SWH-90-A	90	0
SWH-100-A	100	0
SWH-120-A	120	0
SWH-125-A	125	0
SWH-150-A	150	0
SWH-180-A	180	0
SWH-200-A	200	0
SWH-240-A	240	0
SWH-300-A	300	0

Type B	Strap width max. [mm]	Magnets per bracket
Magnet attachment 1 Bracket		
SWH-30-B	30	1
SWH-60-B	60	1
SWH-65-B	65	1
SWH-90-B	90	1
SWH-100-B	100	1
SWH-120-B	120	1
SWH-125-B	125	1
SWH-150-B	150	2
SWH-180-B	180	2
SWH-200-B	200	2
SWH-240-B	240	3
SWH-300-B	300	3

Type C	Strap width max. [mm]	Magnets per bracket
Magnet attachment 2 Brackets		
SWH-30-C	30	1
SWH-60-C	60	1
SWH-65-C	65	1
SWH-90-C	90	1
SWH-100-C	100	1
SWH-120-C	120	1
SWH-125-C	125	1
SWH-150-C	150	2
SWH-180-C	180	2
SWH-200-C	200	2
SWH-240-C	240	3
SWH-300-C	300	3

Hinged edge protector for lifting straps [SK-B]

Type A	Strap width max. [mm]	Magnets per bracket
SK-B-30-A	30	0
SK-B-60-A	60	0
SK-B-90-A	90	0
SK-B-120-A	120	0
SK-B-150-A	150	0
SK-B-180-A	180	0
SK-B-240-A	240	0
SK-B-300-A	300	0

Type B	Strap width max. [mm]	Magnets per bracket
SK-B-30-B	30	1
SK-B-60-B	60	1
SK-B-90-B	90	1
SK-B-120-B	120	1
SK-B-150-B	150	2
SK-B-180-B	180	2
SK-B-240-B	240	3
SK-B-300-B	300	3

Shackle with magnetic attachment, 1 shackle without magnetic attachment

SecuWave edge protector [SWK]

Without magnet attachment	Strap width max. [mm]	Magnets per bracket
SWK-200	200	300
SWK-250	250	300
SWK-300	300	400
SWK-400	400	400
SWK-500	500	500
SWK-600	600	500

Type C	Strap width max. [mm]	Magnets per bracket
SK-B-30-C	30	1
SK-B-60-C	60	1
SK-B-90-C	90	1
SK-B-120-C	120	1
SK-B-150-C	150	2
SK-B-180-C	180	2
SK-B-240-C	240	3
SK-B-300-C	300	3

Both shackles with magnetic attachment

Hinged edge protector for chains [SK-K]

	Nominal chain thickness [mm]	Width [mm]	Bracket length [mm]
SKK-6	6	32	80
SKK-8	8	44	95
SKK-10	10	54	110
SKK-13	13	65	140
SKK-16	16	80	160
SKK-20	20	90	180
SKK-22	22	100	200
SKK-32	32	130	260

01.5 SECUTEX EDGE PROTECTORS

SK-D Gelenkkantenschoner für Drahtseile

Hinged edge protector for cables [SK-D]

	Nominal cable thickness [mm]	Width [mm]	Bracket length [mm]
SKD-16	16	32	80
SKD-24	24	44	95
SKD-32	32	54	110
SKD-40	40	65	140
SKD-48	48	80	160
SKD-60	60	100	200
SKD-80	80	140	280
SKD-100	100	170	340
SKD-120	120	180	360
SKD-150	150	220	400
SKD-2-60	60	180	360
SKD-2-80	80	260	520
SKD-2-100	100	320	640
SKD-2-120	120	340	680
SKD-2-150	150	420	400

01.5 SECUTEX EDGE PROTECTORS

simple edge protector for lashing straps
 simple edge protector for lashing chains
 simple edge protector for cables
 Powerflex pad with Velcro closure

Simple edge protector for lashing straps [SK-BE]

	Strap width max. [mm]	Bracket length [mm]
SK-BE-35	35	100
SK-BE-50	50	125
SK-BE-75	75	150

Simple edge protector for lashing chains [SK-KE]

	Nominal chain thickness [mm]	Internal diameter [mm]	Bracket length [mm]
SK-KE-6	6	20	100
SK-KE-8	8	27	125
SK-KE-10	10	36	150

Simple edge protector for cables [SK-DE]

	Nominal cable thickness [mm]	Internal diameter [mm]	Bracket length [mm]
SK-DE-8	8	10	50
SK-DE-10	10	12	75
SK-DE-12	12	14	100
SK-DE-14	14	16	125

Powerflex pad with Velcro closure

	width [mm]	length [mm]
P2P-120 [1- bis 6lagig erhältlich]	120	300
P2P-150 [1- bis 6lagig erhältlich]	150	300
P2P-180 [1- bis 6lagig erhältlich]	180	300
P2P-240 [1- bis 6lagig erhältlich]	240	300
P2P-300 [1- bis 6lagig erhältlich]	300	300
P2P-480 [1- bis 6lagig erhältlich]	480	600
P2P-600 [1- bis 6lagig erhältlich]	600	600

01.5 SECUTEX EDGE PROTECTORS

Gelenkkantenschoner f. Drahtseile [SKDS]
 secutex-Wendematte [SPG-WP]

Hinged edge protector for cables [SKDS]

	Nominal cable thickness [mm]	Width [mm]	Bracket length [mm]
Aluminium [magnet attachment 2 brackets]			
SKDS-S-20	20	25	50
SKDS-S-25	25	40	80
SKDS-S-30	30	50	100
SKDS-S-40	40	60	120
SKDS-S-50	50	70	140
Steel [without magnet attachment]			
SKDS-S-20	20	25	50
SKDS-S-25	25	40	80
SKDS-S-30	30	50	100
SKDS-S-40	40	60	120
SKDS-S-50	40	70	140
SKDS-S-80	80	100	200

secutex turning mat [SPG-WP]

	length [mm]	thickness [mm]	width [mm]
SPG-WP-400-30	400 500 600 700 800 900 1000 bis max. 2000	30	400
SPG-WP-500-30	400 500 600 700 800 900 1000 bis max. 2000	30	500
SPG-WP-600-30	400 500 600 700 800 900 1000 bis max. 2000	30	600
SPG-WP-700-30	400 500 600 700 800 900 1000 bis max. 2000	30	700
SPG-WP-800-30	400 500 600 700 800 900 1000 bis max. 2000	30	800
SPG-WP-900-30	400 500 600 700 800 900 1000 bis max. 2000	30	900
SPG-WP-1000-30	400 500 600 700 800 900 1000 bis max. 2000	30	1000
SPG-WP-400-50	400 500 600 700 800 900 1000 bis max. 2000	50	400
SPG-WP-500-50	400 500 600 700 800 900 1000 bis max. 2000	50	500
SPG-WP-600-50	400 500 600 700 800 900 1000 bis max. 2000	50	600
SPG-WP-700-50	400 500 600 700 800 900 1000 bis max. 2000	50	700
SPG-WP-800-50	400 500 600 700 800 900 1000 bis max. 2000	50	800
SPG-WP-900-50	400 500 600 700 800 900 1000 bis max. 2000	50	900
SPG-WP-1000-50	400 500 600 700 800 900 1000 bis max. 2000	50	1000

01.5 SECUTEX EDGE PROTECTORS

secutex chain sleeve
secutex cable clip sleeve



The secutex chain sleeve protects the chain (sandblasting) and the operator. The protective sleeve is not suitable for intensive use and transporting sharp-edged components due to the high surface pressure and lack of reinforcement. Please note: chain protective sleeves are intended for chains of quality grade 8. For RUD-VIP chains please select the next-larger size secutex sleeve.

secutex chain sleeve

	suitable for:	height [mm]	width [mm]
SK-6	6-8	27	27
SK-8	8-8	33	33
SK-10	10-8	38	38
SK-13	13-8	50	50
SK-18	18-8	63	63
SK-20	20-8	74	74
SK-22	22-8	89	89
SK-6-2	6-8	27	50
SK-8-2	8-8	33	64
SK-10-2	10-8	38	76
SK-13-2	13-8	50	100
SK-18-2	18-8	63	126
SK-20-2	20-8	74	148
SK-22-2	22-8	89	178

secutex cable clip sleeve

	internal diameter [mm]	cable diameter [mm]	strands
SDC 10	10	8	1
SDC 12	12	10	1
SDC 14	14	12	1
SDC 16	16	14	1
SDC 18	18	16	1
SDC 20	20	18	1
SDC 22	22	20	1
SDC 24	24	22	1
SDC 8-2	8	6	2
SDC 10-2	10	8	2
SDC 12-2	12	10	2
SDC 14-2	14	12	2
SDC 16-2	16	14	2
SDC 18-2	18	16	2
SDC 20-2	20	18	2
SDC 22-2	22	20	2
SDC 24-2	24	22	2
SDC 26-2	26	24	2
SDC 28-2	28	26	2
SDC 30-2	30	28	2
SDC 36-2	36	32	2
SDC 40-2	40	38	2



The secutex cable clip sleeve protects the cable and user. The protective sleeve is not suitable for intensive use and transporting sharp-edged components due to the high surface pressure. Please note: actual external diameters often differ significantly from the nominal diameter.

01.5 SECUTEX EDGE PROTECTORS

secutex cable sleeve
Drahtseil-Schlauch

secutex cable sleeve

	internal diameter [mm]	cable diameter [mm]	strands
SD 8	8	6	1
SD 10	10	8	1
SD 12	12	10	1
SD 14	14	12	1
SD 16	16	14	1
SD 18	18	16	1
SD 20	20	18	1
SD 22	22	20	1
SD 24	24	22	1
SD 26	26	24	1
SD 28	28	26	1
SD 30	30	28	1
SD 36	36	32	1
SD 40	40	38	1
SD 8-2	8	6	2
SD 10-2	10	8	2
SD 12-2	12	10	2
SD 14-2	14	12	2
SD 16-2	16	14	2
SD 18-2	18	16	2
SD 20-2	20	18	2
SD 22-2	22	20	2
SD 24-2	24	22	2
SD 26-2	26	24	2
SD 28-2	28	26	2
SD 30-2	30	28	2
SD 36-2	36	32	2
SD 40-2	40	38	2

SpanSet Powerband with secuflex coating and roller assembly

	Width [mm]	load-bearing capacity [kg]
PB 2000-SX-RB	60	2000
PB 4000-SX-RB	120	4000
PB 6000-SX-RB	180	6000
PCS 4000-SX-RB	60	4000
PCS 8000-SX-RB	120	8000
PCS 12000-SX-RB	180	12000



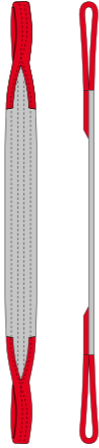
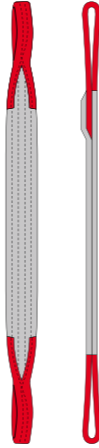
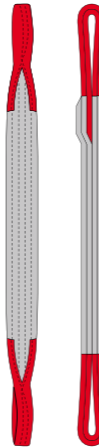
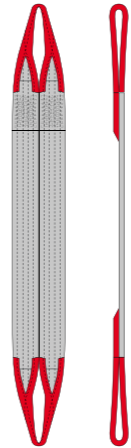
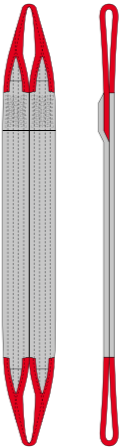
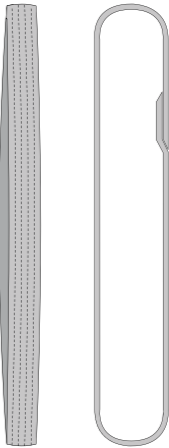
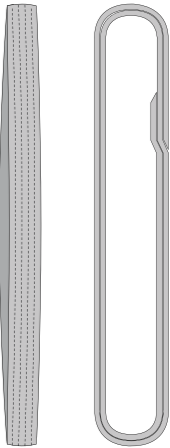
The secutex cable clip sleeve protects the cable and user. The protective sleeve is not suitable for intensive use and transporting sharp-edged components due to the high surface pressure. Please note: actual external diameters often differ significantly from the nominal diameter.

**Strap types, slings
and fittings**





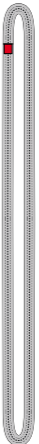

**STRAP TYPES, SLINGS
AND FITTINGS**

Lifting strap versions
Round sling versions

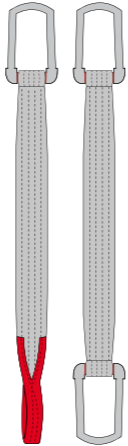
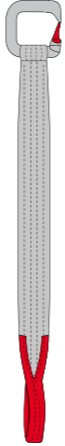
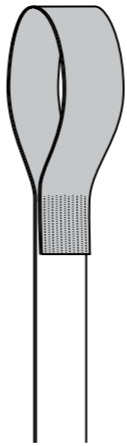
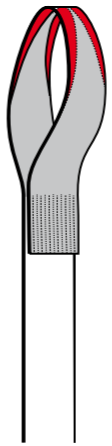
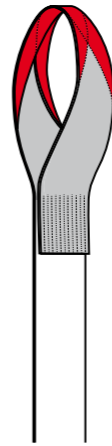
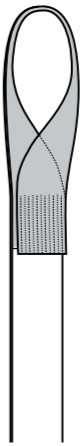
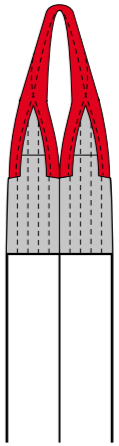
Lifting strap versions

Type A	Type B	Type CS	Type D-2	Type C-2	Type D	Type C
Single-ply lifting strap	Single-ply lifting strap	Four-ply lifting strap	Single-ply lifting mat	Two-ply lifting mat	Single-ply lifting sling	Two-ply lifting sling
						

Round sling versions

SupraPlus	Twintex	MagnumPlus	MagnumX	EK	RS
					

Fittings and slings

Variability thanks to different end pieces and loops	D-Shackle	C-Shackle	Flat loop	Inset loop	Double-sided inset loop	Turned loop	Loop for lifting strap mat
	Load-bearing fitting	Load-bearing fitting	[image 1]	To 1/2 strap width from two sides [image 2]	To 1/3 strap width Not for every type [image 3]	Perpendicular loop [possible in all versions]	Shown without loop reinforcement
							
			Loop parallel to strap surface			Loop narrow and perpendicular to strap surface	

STRAP TYPES, SLINGS AND FITTINGS

Load-bearing capacity table

Load-bearing capacity table

	WLL [kg] with a SpanSet round sling, lifting strap and 1-strand round sling hanger							WLL [kg] with SpanSet round slings, lifting straps and 2-strand round sling hanger				WLL [kg] with 4-strand round sling hanger*	
	simply reversed angle of inclination β							angle of inclination β					
	simple direct	simple looped	up to 6°	over 6° up to 45°	over 45° up to 60°	over 6° up to 45°	over 45° up to 60°	direct over 6° up to 45°	looped over 6° up to 45°	direct over 45° up to 60°	looped over 45° up to 60°	direct over 6° up to 45°	direct over 45° up to 60°
Round slings													
Lifting straps													
Hangers													
Load attachment factor M	1,0	0,8	2,0	1,4	1,0	0,7	0,5	1,4	1,12	1,0	0,8	2,1	1,5
500 kg	500	400	1.000	700	500	350	250	700	560	500	400	1.050	750
1.000 kg	1.000	800	2.000	1.400	1.000	700	500	1.400	1.120	1.000	800	2.100	1.500
2.000 kg	2.000	1.600	4.000	2.800	2.000	1.400	1.000	2.800	2.240	2.000	1.600	4.200	3.000
3.000 kg	3.000	2.400	6.000	4.200	3.000	2.100	1.500	4.200	3.360	3.000	2.400	6.300	4.500
4.000 kg	4.000	3.200	8.000	5.600	4.000	2.800	2.000	5.600	4.480	4.000	3.200	8.400	6.000
5.000 kg	5.000	4.000	10.000	7.000	5.000	3.500	2.500	7.000	5.600	5.000	4.000	10.500	7.500
6.000 kg	6.000	4.800	12.000	8.400	6.000	4.200	3.000	8.400	6.720	6.000	4.800	12.600	9.000
8.000 kg	8.000	6.400	16.000	11.200	8.000	5.600	4.000	11.200	8.960	8.000	6.400	16.800	12.000
10.000 kg	10.000	8.000	20.000	14.000	10.000	7.000	5.000	14.000	11.200	10.000	8.000	21.000	15.000
15.000 kg	15.000	12.000	30.000	21.000	15.000	10.500	7.500	21.000	16.800	15.000	12.000	31.500	22.500
20.000 kg	20.000	16.000	40.000	28.000	20.000	14.000	10.000	28.000	22.400	20.000	16.000	42.000	30.000
25.000 kg	25.000	20.000	50.000	35.000	25.000	17.500	12.500	35.000	28.000	25.000	20.000	52.500	37.500
30.000 kg	30.000	24.000	60.000	42.000	30.000	21.000	15.000	42.000	33.600	30.000	24.000	63.000	45.000
40.000 kg	40.000	32.000	80.000	56.000	40.000	28.000	20.000	56.000	44.800	40.000	32.000	-	-
50.000 kg	50.000	40.000	100.000	70.000	50.000	35.000	25.000	70.000	56.000	50.000	40.000	-	-
60.000 kg	60.000	48.000	120.000	84.000	60.000	42.000	30.000	84.000	67.200	60.000	48.000	-	-
80.000 kg	80.000	64.000	160.000	112.000	80.000	56.000	40.000	112.000	89.600	80.000	64.000	-	-
100.000 kg	100.000	80.000	200.000	140.000	100.000	70.000	50.000	140.000	112.000	100.000	80.000	-	-

* Please note: load-bearing capacities apply only for symmetrical loads and equal strand lengths! For asymmetrical loads, please use the load attachment factors for 2-strand hanger!

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List of key words

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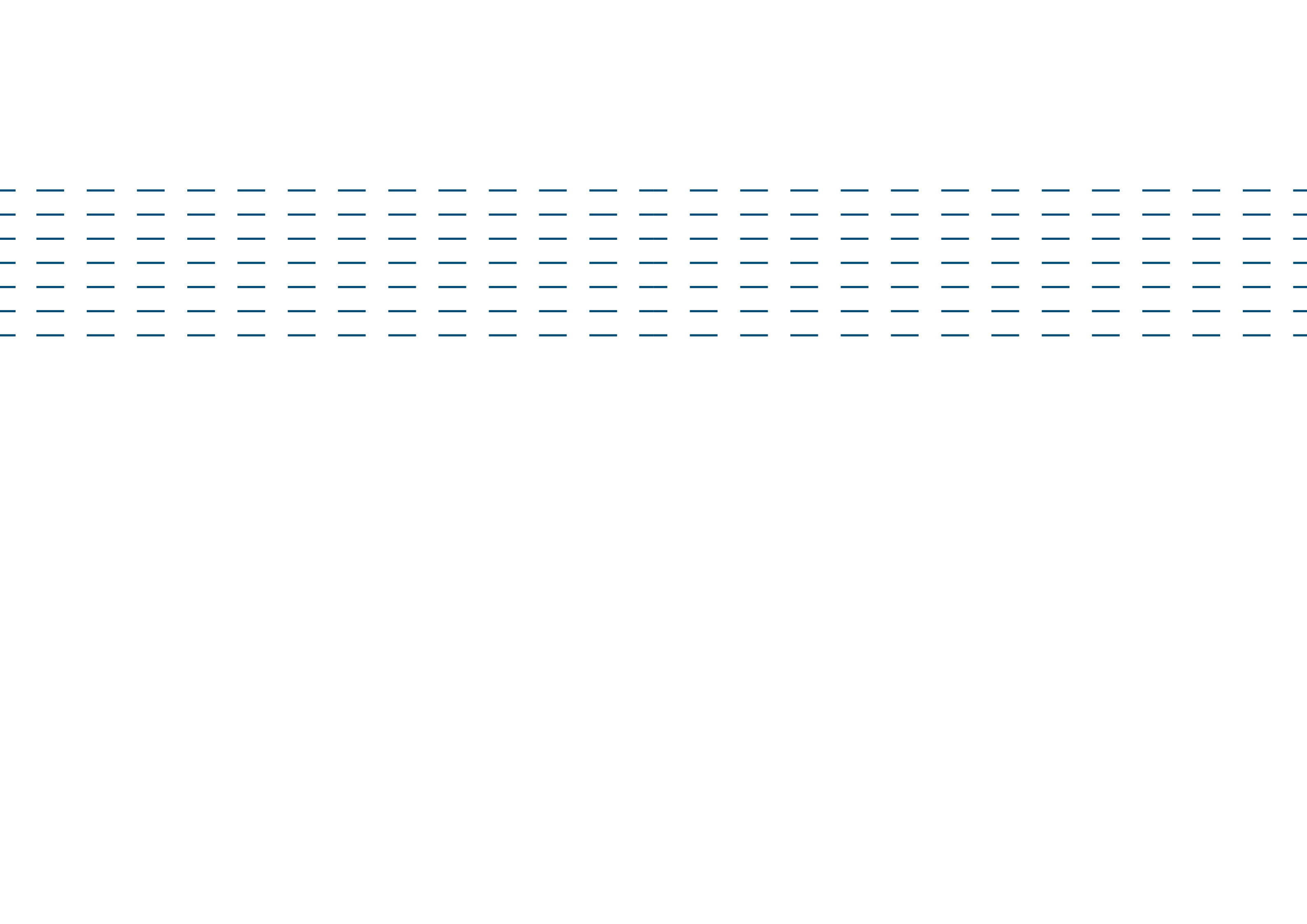
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