



02.7

Protective sleeves, protective plates and clips

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Crane lifts crane – safely and protected with NoCut® pad

The Franz Plum GmbH & Co. KG specialises, among other things, in the rental of heavy-duty vehicles and cranes. For the construction of an apartment building, a truck-mounted crane weighing 24 t had to be lifted into the future underground garage of the building by an even larger crane with a load capacity of up to 130 t. This kind of lifting procedure is not uncommon, but in many cases it leads to problems. In consultation with our application engineer, the angle, weight of the crane, sharp edges, design of the load-bearing crane and many other factors were taken into account. Four MagnumPlus round slings with a load capacity of 25 t were eventually used, and the slings were protected from the razor-sharp edges of the crane by NoCut®pad. The crane operator at Plum, Toni Gottschalk, commented about NoCut®pad: „Unbelievable, what these ‚knee pads‘ can handle. I would not have thought it possible.“ The four-layer NoCut® pads were equipped with buckles and sliders and were designed for particularly sharp edges, which allows for fixation directly on the sharp edges. This way it was possible to safely lift the crane without damaging the round slings.

If the radius or an edge is „sharp“, the edges of the load can damage the textile lifting gear in a major way, or even sever it in the worst case. In addition to NoCut® pad, NoCut® sleeve is the latest product for protecting against sharp edges. The protective sleeves and pads made of the high-performance fibre HPME are DEKRA-certified, have a high cut and abrasion resistance and are characterised by their low dead weight and a particularly flexible design. NoCut® is designed with a fabric rib on both sides. On the outside, the ribbed design increases the cut resistance, and on the inside it makes it easier for the lifting gear to slide back and forth in the sleeve, which enables the turning and rotation of sharp-edged loads. As the leading manufacturer of polyurethane-coated protective sleeves, the SpanSet Group has for many years been producing tried-and-tested protective sleeves such as the SF-2, secuwave or the Clip-SC made of secutex, the polyurethane elastomer that is particularly cut- and wear-resistant.

With our extensive range of protective measures, we always have the right tool against the „sharp edge“.

SpanSet – Certified Safety

02.7 PROTECTIVE SLEEVES

NoCut®

Certified: DEKRA-tested!

The protective effect of NoCut® sleeve and NoCut® pad was tested on edges with varying degrees of sharpness and certified by DEKRA.



Movie: NoCut® in operation!

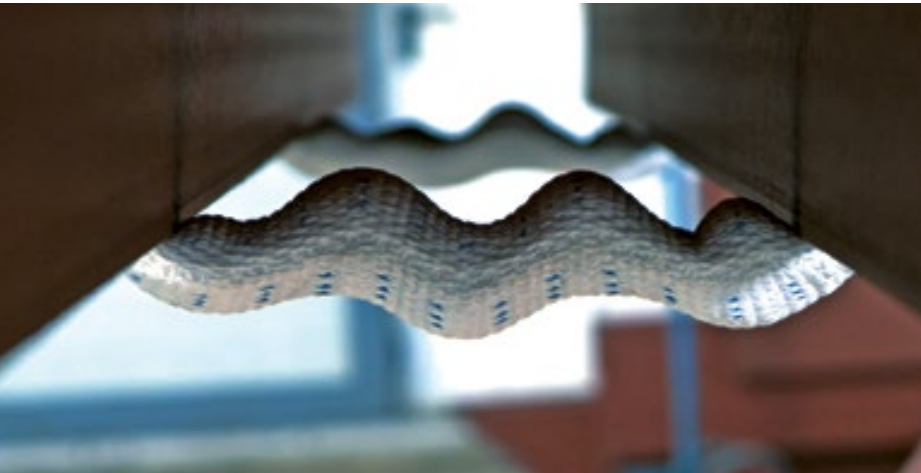
Want to see how NoCut® works e. g. when raising or lifting sharp-edged loads? Watch the application video at www.spanset-nocut.de. Simply scan the QR code.



02.7 PROTECTIVE SLEEVES

NoCut®

- Very low dead weight
- Flexible construction
- Unique ribbed structure enables turning and rotating of sharp loads
- High operational safety due to tested quality
- High cut resistance
- Sewn label with handling instructions



NoCut® – the textile high-tech cut protection

Optimal protection against the „sharp edge“

In addition to the external factors, such as temperature, chemical environment or mechanical stress, „sharp edges“ still represent one of the main causes of damage to the lifting gear itself and are therefore a frequent cause of accidents. The majority of damages on sharp or rough edges occur by moving the load transversely to the lifting gear. If the edge is „sharp“, it can, in the worst case, cut through the lifting gear – accidents and damage are bound to happen. You should therefore protect your lifting gear with edge protection made of high-performance fibres developed especially for sharp edge: NoCut®!

Cut protection made of high-performance fibres

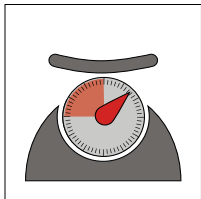
The high cut and wear resistance of HMPE (high-molecular polyethylene) led to the development of NoCut® sleeve and NoCut® pad. A trend in lifting technology! Because of their excellent properties, high-performance fibres are being used more and more frequently in the development of textile cut protection, sleeve hoses and lifting gear.

For the development of NoCut®, special testing equipment was constructed and built to allow the cut resistance of the fabric to be determined while testing the cutting impact at nominal load. The protective effect of NoCut® sleeve and NoCut® pad was tested on edges with varying degrees of sharpness and certified by DEKRA. Defined knowledge that does not leave any question unanswered during use and that has been certified by DEKRA!

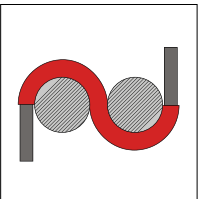
Excellent properties

Of course NoCut® has been adapted to the different widths of the SpanSet flat slings and round slings. NoCut® is therefore excellent for protecting textile lifting gear, such as PowerStar flat slings and SupraPlus round slings – especially against damages caused by sharp edges when lifting loads. NoCut® cut protection has a very low dead weight and a compact design to ensure particularly ergonomic handling with less effort.

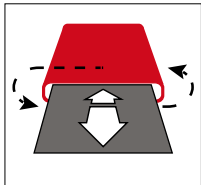
Learn more about NoCut® sleeve and NoCut® pad on the following pages!



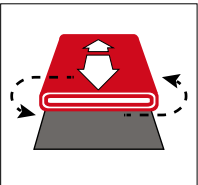
Low dead weight



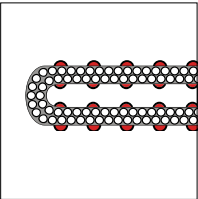
Flexible construction



Equally high all-round cut resistance



Tested cut protection



Unique ribbed structure

NoCut® sleeve

- Very low dead weight
- Flexible fabric construction
- Unique ribbed structure enables raising of sharp loads
- High operational safety due to tested quality
- High cut resistance
- Sewn label with handling instructions



NoCut® sleeve

NoCut® sleeve – woven protective sleeve for more safety

NoCut® sleeve is a woven protective sleeve for flat slings and round slings. The protective sleeve is simply slid over the lifting gear and positioned on the sharp edge of the load to protect the lifting gear. To protect the lifting gear, the fabric sleeve can also be used either for flat slings as shown in Fig. 1 or for round slings as shown in Fig. 3. On request, the single legs of a round sling can also be fitted with NoCut® sleeve as shown in Figure 5.

Flexible and extremely cut-resistant
NoCut® sleeve is designed with a fabric rib on both sides. On the outside, the ribbed design increases the cut resistance, and on the inside it makes it easier for the lifting gear to slide back and forth in the sleeve, which enables raising of sharp-edged loads. The textile construction of NoCut® sleeve is supple and flexible, allowing NoCut® to be easily positioned on the load even in tight spaces.

The design of the sleeve with equally high all-round cut resistance allows for a long service life, as it can be used on both sides, and offers the highest level of operational safety, as application errors are excluded. This is further supported by the label with handling instructions and clear identification sewn into the NoCut® sleeve.

Low dead weight
Products of the NoCut® series have a markedly low dead weight in comparison with conventional protective sleeves and are thus easier to handle. The material HMPE enables the use of NoCut® sleeve at a temperature range of -40 °C to +60 °C. The protective sleeve is delivered as a prefabricated cut with trimmed ends.

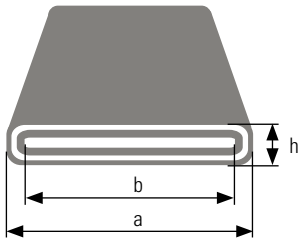
Tested safety
The cut resistance of NoCut® has been successfully tested in the laboratory and in field tests and certified by DEKRA. On page 86 you will find details about the edge radii on which NoCut® sleeve can be used.

NoCut® sleeve – protective sleeve with a low dead weight

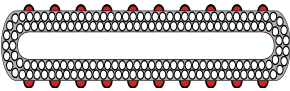
The protective sleeve NoCut® sleeve is available for use with flat slings and round slings with lengths in 250-mm increments as standard. Widths of 45 mm to 315 mm are available, so that NoCut® sleeve is suitable for both the compact 0.5-t SupraPlus and for the 25-t powerhouse MagnumPlus sling.

Designation NoCut sleeve	Approx. outside width a [mm]	Approx. outside height h [mm]	Approx. weight per running m [kg]	combinable with flat slings as shown in Fig. 1	combinable with round slings as shown in Fig. 3
NCS-045	55	13	0,4	PowerStar 1.000 Liftfix 1.000	
NCS-075	85	13	0,6	PowerStar 2.000 Liftfix 2.000 CS-Hebeband 2.000	SupraPlus 500, 1.000, 2.000 Twintex 1.000, 2.000 Liftfix 500, 1.000, 2.000
NCS- 105	115	13	0,8	PowerStar 3.000 Liftfix 3.000 CS-Hebeband 4.000	SupraPlus 3.000, 4.000 Twintex 3.000 Liftfix 3.000 Magnum-X 10.000
NCS- 135	145	13	1,1	PowerStar 4.000 Liftfix 4.000 CS-Hebeband 6.000	SupraPlus 5.000, 6.000 Twintex 4.000 Liftfix 4.000
NCS- 165	175	13	1,4	PowerStar 5.000 Liftfix 5.000 CS-Hebeband 8.000	SupraPlus 8.000 Twintex 5.000, 6.000, 8.000 Liftfix 5.000, 6.000, 8.000 Magnum-X 20.000
NCS- 195	205	13	1,6	PowerStar 6.000 Liftfix 6.000 CS-Hebeband 10.000	Liftfix 10.000 MagnumPlus 10.000
NCS- 255	265	13	2,0	PowerStar 8.000 Liftfix 8.000 CS-Hebeband 12.000	Liftfix 15.000
NCS- 315	325	13	2,7	PowerStar 10.000 Liftfix 10.000 CS-Hebeband 16.000	Liftfix 20.000, 25.000 MagnumPlus 20.000, 25.000

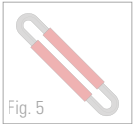
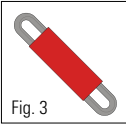
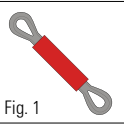
NoCut® sleeve is available in outer widths of up to 325 mm.



Unique ribbed structure of NoCut sleeve with equally high all-round cut resistance.



i Protective sleeves can also be fitted by the user as shown in Fig. 1 and Fig. 3. Fitting by the factory as shown in Fig. 5 on request. Special designs available on request.



NoCut® pad

- Very low dead weight
- Flexible fabric construction
- Unique ribbed structure enables raising of sharp loads
- High operational safety due to tested quality
- High cut resistance
- Sewn label with handling instructions



NoCut® pad



NoCut® pad – protective plates against the „sharp edge“

NoCut® pad for round slings and flat slings is the combination of NoCut® sleeve with an internal fabric bridge that has fastening elements (see table) on both ends. NoCut® pad is mounted there where the lifting gear lies flat against the sharp edge. For the user this means: High flexibility, low material requirement and high safety when handling sharp-edged loads! The size of the edge protection can be exactly dimensioned for the danger area and precisely positioned on the sharp edge.

Multiple layers against sharp edges
NoCut® pad is offered as a 2-layer or 4-layer version. This multilayer design achieves an extremely high level of cut protection and offers the user many options, also for critical lifting procedures. Even the smallest edge radii are no problem for the pads (see p. 86).

As with NoCut® sleeve, use of the high-performance fibres allows the user to deploy the textile protective plate in temperatures ranging from -40 °C up to +60 °C.

NoCut® product finder
All SpanSet flat slings and round slings can be protected against sharp edges with NoCut® pad. Should you be unable to find the right pads using the table below, you can use the NoCut® product finder, which helps you to easily identify the right NoCut® product for textile lifting gear in just a few steps online (p. 87).

NoCut® pad – various NoCut® fastening elements

Different designs

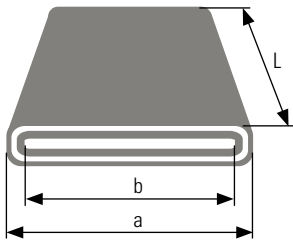
NoCut® pad offers the user three alternatives to fasten the protective plate to the lifting gear: Velcro strap **1**, Velcro strap with a frame buckle **2** or 2-piece metal buckle (frame or triple bridge) **3**.

As standard, NoCut® pad is produced in lengths from 500 mm to 1,500 mm in 250-mm increments. The maximum width of the NoCut® pads is 315 mm.

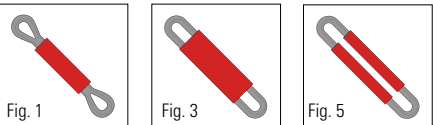
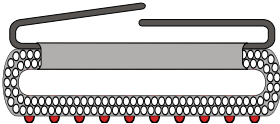
Additional attachment loop

NoCut® pad is usually used in short lengths. Additional attachment loops are available for longer versions. On request, the attachment loops **4** can be optionally supplied with all three fastening elements and for any NoCut® pad width. Ask us about it!

NoCut pad is available in inner widths of up to 315 mm and a length of 1.5 m.

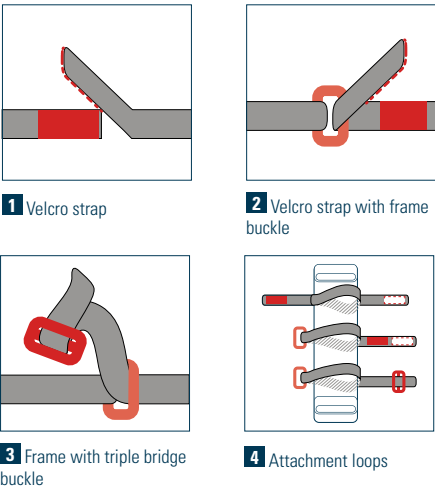


NoCut pad: the combination of NoCut sleeve and fabric bridge with a fastening element.



NoCut pad	Approx. inside width [mm] b	Approx. outside width [mm] a	Designation NoCut pad
with Velcro strap	45	55	NCP-055-KB
	75	85	NCP-055-KB
with Velcro strap and frame buckle	105	115	NCP-115-KR
	135	145	NCP-145-KR
	165	175	NCP-175-KR
	195	205	NCP-205-KR
	255	265	NCP-265-KR
	315	325	NCP-325-KR
with frame and triple bridge buckle	45	55	NCP-055-RD
	75	85	NCP-085-RD
	105	115	NCP-115-RD
	135	145	NCP-145-RD
	165	175	NCP-175-RD
	195	205	NCP-205-RD
	255	265	NCP-265-RD
	315	325	NCP-325-RD

Fastening elements:



1 Protective sleeves can also be fitted by the user as shown in Fig. 1, Fig. 3 and Fig. 5. Special designs available on request.

NoCut®-edge radii



NoCut® – for use with even the smallest edge radii

Even with the smallest radii and razor-sharp edges, NoCut® offers the right protection for your flat slings and round slings. NoCut® is DE-KRA-certified. The values marked with the „tick“ in the table refer to the smallest radii on which NoCut® may still be used. Larger edge radii are covered by the respective marking.

Ask us about it!
With the support of our application engineers, even sharper edges can be „managed“. Let NoCut® convince you in a practical demonstration. Our SpanSet application engineers will be pleased to give you a live demonstration of NoCut® sleeve at no cost, to answer your questions and support you with valuable know-how. Simply call us and make an appointment!

Microsite: NoCut® on the web!

For more information, including important documents and video material about the NoCut® product range, please visit our product homepage:
www.spanset-nocut.de



Product finder



NoCut®-Produkt-Finder – product selection made easy

- 1** First you have to select the lifting gear being used. The most common flat slings and round slings of SpanSet can be selected in a drop-down menu.
 - **Flat slings** HB, PB, PC, PCS
 - **Round slings** Liftfix, MagnumPlus, Magnum-X, SupraPlus, Twintex
- 2** Next, the load capacity [WLL] of the lifting gear has to be selected.
- 3** The working length of the lifting gear is then entered.
- 4** After that, you enter the edge radius of the load. Radii from **0 mm to 3 mm** can be entered.

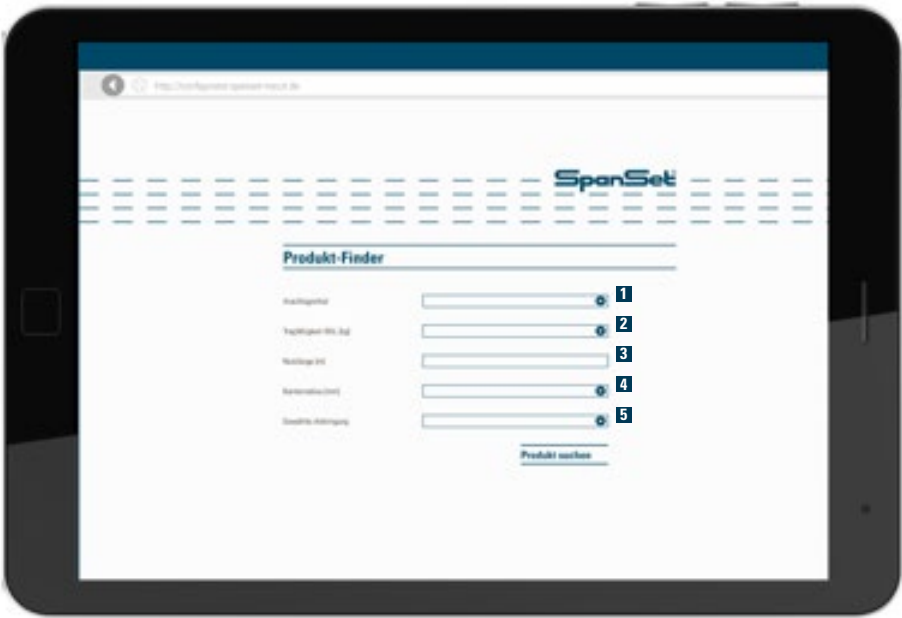
- 5** In the next step you define whether you want to use a **single- or double-stranded strap**.
- 6** Finally, the length of the NoCut® sleeve/pad has to be defined. Should NoCut® pad be the right product for your application, you can still choose between different versions of the fastening element.

Simply complete the contact form and send your request – done! A SpanSet employee will contact you to answer any remaining questions. This guarantees that the right cut protection has been selected for the application in question.

In line with the low dead weight of NoCut®, we also make it easy for you to select the right product.

With the free product finder you can easily define the correct NoCut® product for textile lifting gear in just a few steps online.

Lifting gear		NoCut® sleeve			NoCut® pad 2-ply			NoCut® pad 4-ply		
SpanSet flat slings		✓			✓			✓		
MagnumPlus, SupraPlus, Twintex, Liftfix	≤ 20 t WLL	✓			✓			✓		
MagnumPlus, SupraPlus, Twintex, Liftfix	≤ 30 t WLL		✓		✓			✓		
MagnumPlus, SupraPlus, Twintex, Liftfix	≤ 50 t WLL				✓			✓		
Magnum-X	≤ 20 t WLL			✓			✓	✓		
Magnum-X	≤ 30 t WLL						✓	✓		
EK	≤ 20 t WLL			✓		✓		✓		
EK	≤ 30 t WLL					✓		✓		
EK	≤ 40 t WLL					✓		✓		
Radius [mm]		1	2	3	1	2	3	0	1	2



Try it and be convinced

The NoCut product finder is available online at <http://configurator.spanset-nocut.de>, or simply scan the QR code below.



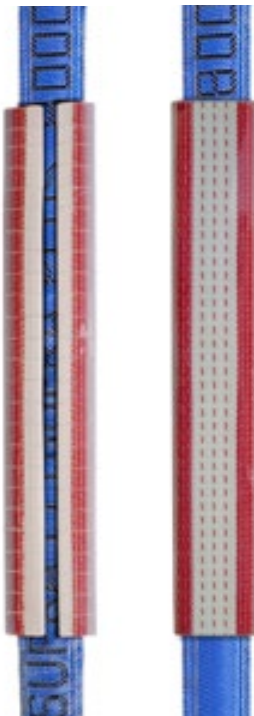
veloxClip

- Particularly flexible in the transverse direction
- Easy to position
- Permanent dimensional stability
- Slit distance freely selectable



Clip-SC

- Can be positioned during ongoing lifting procedures
- Virtually indestructible
- Permanent dimensional stability



secutex veloxClip – protective sleeve with perpendicular slits

While the flexibility of conventional protective sleeves often makes for easy lifting, they can be rather uncomfortable when handling loads with a more compact size. Small gaps and limited contact areas make it difficult to handle the rigid protective sleeve.

The veloxClip is made with a slit on the reverse side, which makes it very flexible in the bending direction. In the longitudinal direction, the protective sleeve retains its valued properties and remains rigid. This makes it a very comfortable alternative, especially when lifting loads with more limited contact areas. It is easy to insert through low gaps and adapts flexibly to loads during lifting.

Different slit patterns
The position and distance of the slits can be freely selected, which means that the level of flexibility of the protective sleeve can also be influenced. This also helps to determine the exact position in which the sleeve is meant to be flexible.

secutex veloxClip is available for:

- SupraPlus round slings
- Magnum round slings
- MagnumPlus round slings
- Liftfix round slings
- 4-ply-CS flat slings
- PowerStar flat slings
- Liftfix flat slings

Slit structure „centre“

The protective sleeve has slits in the centre of the contact area and is very flexible in this area.



Slit structure „continuous“

The protective sleeve has slits along the entire contact area and is very flexible in the bending direction.



Slit structure „asymmetrical“

The slit pattern is adjusted precisely to the load-bearing areas. This allows the protective sleeve to lie particularly close against the load in the critical areas.

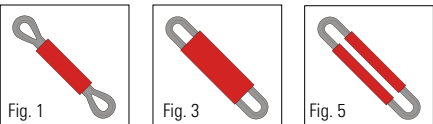


Individual slit structure

The spacing of the slits on the reverse can be individually determined. This means that the flexibility factor can be fine-tuned to the individual demands of a lifting procedure.



Cross-section of the veloxClip.



secutex Clip-SC – protective sleeve with a side opening

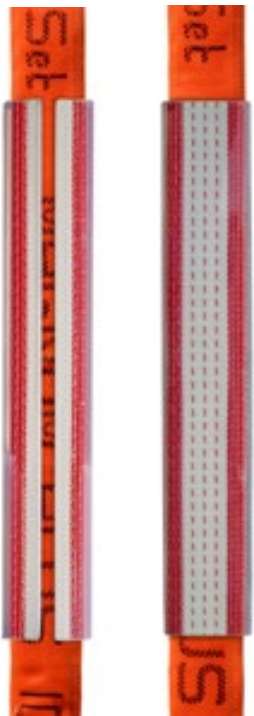
The secutex Clip-SC, which can only be used on one side, can be very quickly clipped onto the lifting gear thanks to the mounting slot on the back. It is preferably used whenever round slings and flat slings with or without a protective sleeve are required on a case-by-case basis. The Clip-SC makes for easy handling and short set-up times. The secutex protective layer can be placed softly and flexibly on the load, thereby increasing the radius at the critical edges. The leverage forces are extensively distributed and the load remains undamaged.

Optionale versatility
secutex Clip-SC is perfectly adapted to the SpanSet round slings and flat slings and is available in versions with different surface finishes and with reinforcement. For more information about secutex and the different surface finishes, see page 17.

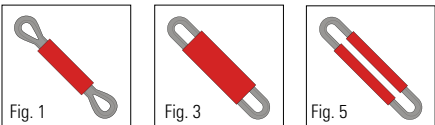
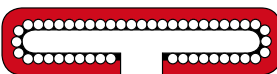
easyClip
Similar to the Clip-SC in terms of design, but with different material properties, easyClip is the simple version of the clip sleeve. For more information, ask us for advice or visit our website at www.secutex.de.

secutex Clip-SC is available for:

- SupraPlus round slings
- Magnum-X round slings
- MagnumPlus round slings
- Liftfix round slings
- 4-ply CS flat slings
- PowerStar flat slings
- Liftfix flat slings



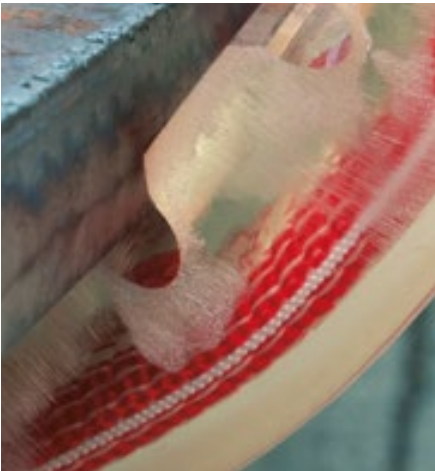
One-sided secutex-coating, sleeve open at the back for flexible use.



02.7 PROTECTIVE SLEEVES

SF-1 and SF-2

- Version with one- or two-sided coating
- Easy to position
- Extremely cut-resistant
- Reduces creasing in the fabric
- Permanent dimensional stability
- Lifting gear is movable inside the sleeve



02.7 PROTECTIVE SLEEVES

secuwave

- Prevents contact with the flat sling
- Can be positioned during on going lifting procedures
- Two wave profiles available
- Virtually indestructible
- Permanent dimensional stability



SF-1 und SF-2 – protective sleeve with coating on one or two-sides

SF-1 – Protective sleeve coating on one side

The secutex SF-1 has been technically designed for optimal use with the SpanSet flat sling range or the SpanSet round slings. The contact side has a secutex coating, is extremely cut-resistant and reduces the formation of creases in the fabric. Easily clipped onto the textile lifting gear, the protective sleeve with the one-sided secutex coating equally protects the lifting gear and the load at „sharp edges“ and rough surfaces.

SF-2 – Protective sleeve coating on two sides

The SF-2 is particularly robust and this version has two contact sides to enable working on both sides. Both contact sides have a secutex coating, are extremely cut-resistant and reduce the formation of creases in the fabric. It is no longer necessary to turn the protective sleeve, and application errors are effectively prevented.

Designed for the application

secutex SF-1 and SF-2 are available in different surface finishes (page 17), such as „ground“, whose surface is slightly roughened. It is used whenever the contact side comes into contact with small amounts of liquids. The rough surface remains permanently slip-resistant.

The use of steel plates (reinforcement), which significantly increases cut resistance, or the Tropic-coating for use in permanently moist environments are optionally available. This means that the protective sleeve can be adapted to your individual application.

SF-1 und SF-2 is available for:

- SupraPlus round slings
- Magnum-X round slings
- MagnumPlus round slings
- Liftfix round slings
- 4-ply CS flat slings
- PowerStar flat slings
- Liftfix flat slings

secuwave – no contact at critical edges

secuwave can handle every edge

secuwave is a thick coated protective sleeve that features a wave structure on the contact side. The wave structures increases the deflection radius on sharp edges. The edge lies inside the wave trough, while the load rests on the top of the wave. The sharp edge no longer has contact with the protective sleeve.

Be sure – but quickly

The secuwave protective sleeve is slipped onto the flat sling. The back of the protective sleeve has a longitudinal opening and can thus be easily slipped onto a round sling or another flat sling at any time – even if the lifting gear is already inside the crane hook.

secuwave mini

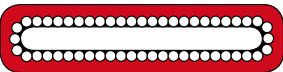
secuwave comes in two variants. Thanks to the different sizes, the right wave size can always be selected. In the small wave size „secuwave mini“, the thick coating is more flexible in the bending direction. The larger wave structure is robust and designed for use on large edges.

secuwave is available for:

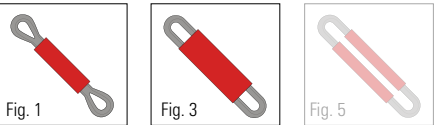
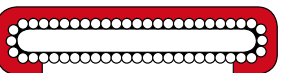
- SupraPlus round slings
- Magnum-X round slings
- MagnumPlus round slings
- Liftfix round slings
- 4-ply CS flat slings
- PowerStar flat slings
- Liftfix flat slings



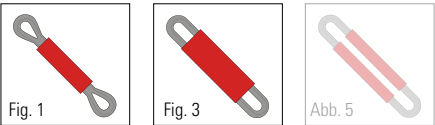
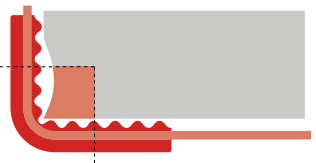
secutex SF-2: both contact sides and the sleeve side are secutex-coated.



secutex SF-1: one contact side and the sleeve side are secutex-coated.



Side view of the protective sleeve with a load. The secuwave wave profile prevents contact with the flat sling.

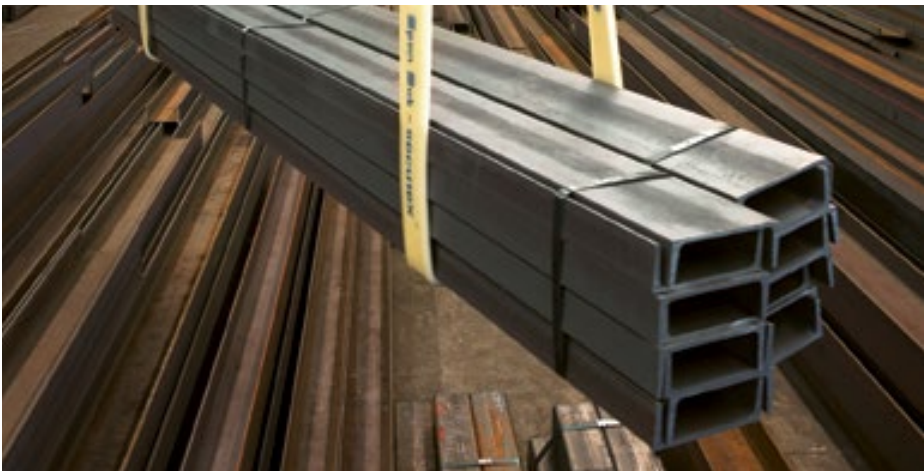


Powerflex

- Working with two contact sides
- Easy to position
- Reduces creasing in the fabric
- Permanent dimensional stability
- Abrasion protection against rough surfaces



secumove



- For lifting sharp-edged loads
- Particularly low-wear
- Extremely durable thanks to secutex®-coating
- „Undetachable“ protective sleeve



Powerflex – protective sleeve and abrasion protection

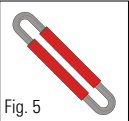
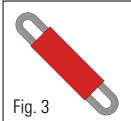
Increasing the friction values with Powerflex

The Powerflex protective sleeve helps to effectively increase the friction values of smooth surfaces or to protect the flat sling against rough surfaces. The protective sleeve is coated on both sides, which enables working with two contact sides and thus prevents application errors. The Powerflex protective sleeve is optionally available with a re-sealable longitudinal opening on the reverse side.

Powerflex is available for:

- SupraPlus round slings
- Magnum-X round slings
- MagnumPlus round slings
- Liftfix round slings
- 4-ply CS flat slings
- PowerStar flat slings
- Liftfix flat slings

Powerflex protective sleeve: effective abrasion protection



secumove PB-FS-1 (one-sided) [■] und PB-FS-2 (two-sided) [△]

Minimal wear with secumove

The intelligently designed secumove combines the advantages of a flat sling and secutex® protective sleeve for lifting rough loads. The protective sleeve with a secutex®-coating of at least 5 mm is positioned firmly against the edge of the load, while the textile flat sling can glide back and forth inside the tube to equalise the lengths. The result: There is no movement at the edge of the load due to stretching of the strap and positioning of the load. And where there is no movement, there is no wear – secumove therefore boasts an exceedingly high service life.

Undetachable protective sleeve

Another advantage: The protective secutex®-coating is firmly attached to a loop of the flat sling. If you pull secumove from under the load on one side, the protective sleeve remains firmly in position and cannot be lost. This saves you lots of time in your daily work routine, as you no longer have to pull the sleeve up every time. Depending on the intended use, secumove is available with one-sided or two-sided secutex®-coating. To offer protection in particularly rough conditions, we also offer a version with additional reinforcement with metal plates.

Typical uses include, for example, the careful lifting of machine parts, sheet packages, coils and other heavy goods with sharp edges.



Nominal carrying capacity [kg]	L1 min. [m]	Approx. strap width [mm]	Approx. strap thickness [mm]	Approx. weight 1st m [kg]	Approx. weight per running m [kg]	Order numbers for standard lengths					
						2 m	3 m	4 m	5 m	6 m	8 m
1.000	2,0	55	25	0,3	0,8	S000522 [□]	S000523 [□]	S000524 [□]	S000525 [□]	S000526 [□]	S000527 [□]
	2,0	55	25	0,3	1,0	S000570 [△]	S000571 [△]	S000572 [△]	S000573 [△]	S000574 [△]	S000575 [△]
2.000	2,0	80	25	0,6	1,1	S000528 [□]	S000529 [□]	S000530 [□]	S000531 [□]	S000532 [□]	S000533 [□]
	2,0	80	25	0,6	1,9	S000576 [△]	S000577 [△]	S000578 [△]	S000579 [△]	S000580 [△]	S000581 [△]
3.000	2,5	110	25	1,0	1,6	S000534 [□]	S000535 [□]	S000536 [□]	S000537 [□]	S000538 [□]	S000539 [□]
	2,5	110	25	1,0	2,9	S000582 [△]	S000583 [△]	S000584 [△]	S000585 [△]	S000586 [△]	S000587 [△]
4.000	2,5	145	25	1,4	2,0	S000540 [□]	S000541 [□]	S000542 [□]	S000543 [□]	S000544 [□]	S000545 [□]
	2,5	145	25	1,4	3,6	S000588 [△]	S000589 [△]	S000590 [△]	S000591 [△]	S000592 [△]	S000593 [△]
5.000	3,0	175	25	1,7	2,4	S000546 [□]	S000547 [□]	S000548 [□]	S000549 [□]	S000550 [□]	S000551 [□]
	3,0	175	25	1,7	4,4	S000594 [△]	S000595 [△]	S000596 [△]	S000597 [△]	S000598 [△]	S000599 [△]
6.000	4,0	210	30	2,2	2,9	S000552 [□]	S000553 [□]	S000554 [□]	S000555 [□]	S000556 [□]	S000557 [□]
	4,0	210	30	2,2	5,2	S000600 [△]	S000601 [△]	S000602 [△]	S000603 [△]	S000604 [△]	S000605 [△]
8.000	4,0	270	35	2,9	3,9	S000558 [□]	S000559 [□]	S000560 [□]	S000561 [□]	S000562 [□]	S000563 [□]
	4,0	270	35	2,9	7,2	S000606 [△]	S000607 [△]	S000608 [△]	S000609 [△]	S000610 [△]	S000611 [△]
10.000	5,0	340	35	4,1	5,9	S000564 [□]	S000565 [□]	S000566 [□]	S000567 [□]	S000568 [□]	S000569 [□]
	5,0	340	35	4,1	8,7	S000612 [△]	S000613 [△]	S000614 [△]	S000615 [△]	S000616 [△]	S000617 [△]

[■] secumove PB-FS-1 (one-sided) [△] und PB-FS-2 (two-sided) [△]