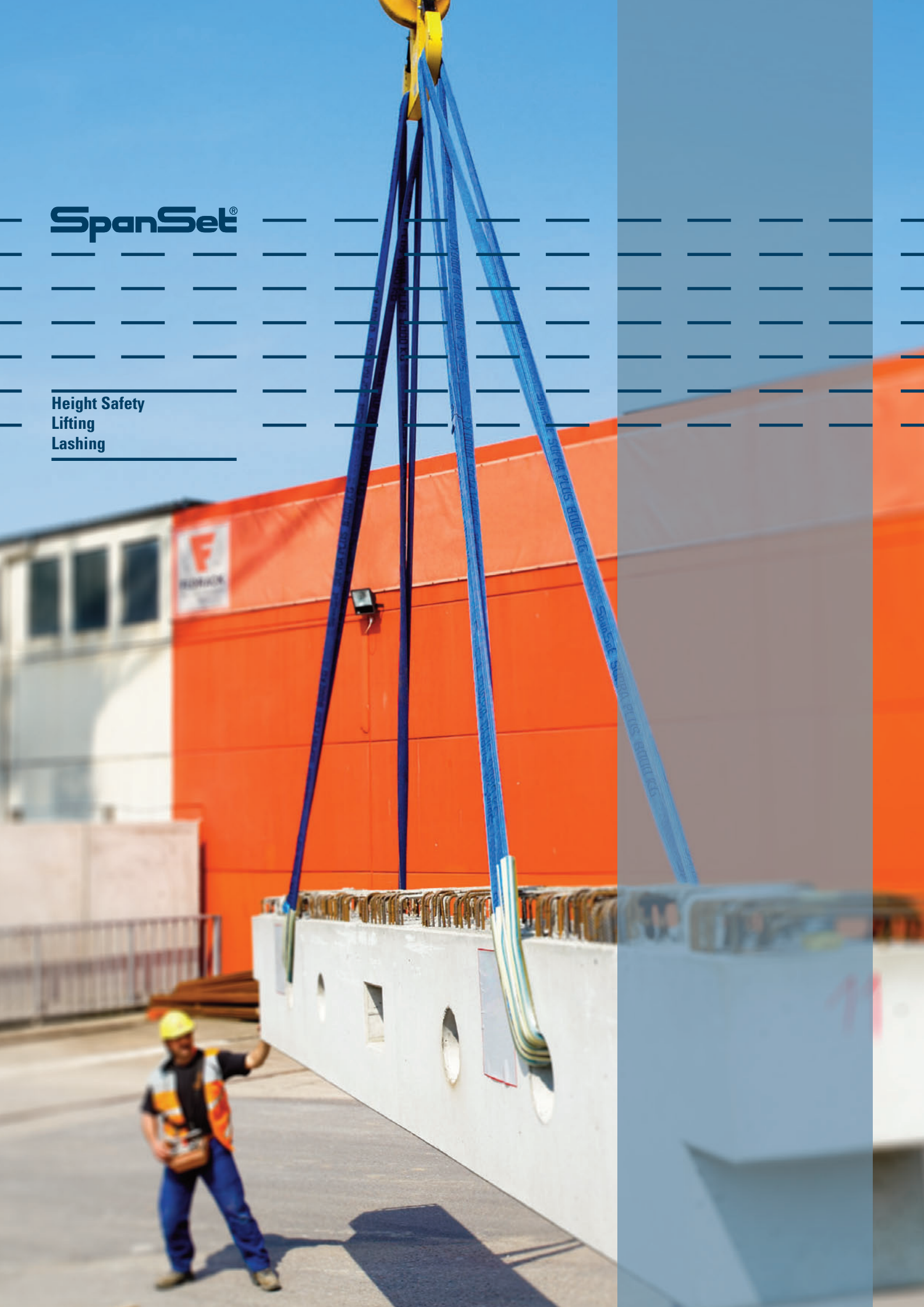


SpanSet®

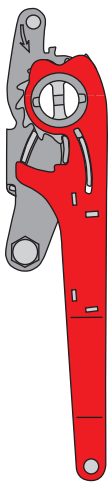
Height Safety
Lifting
Lashing



Lashing systems

ErgoABS lashing strap

Secure loads efficiently without damage



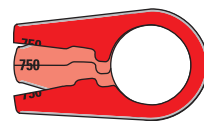
For securing heavy loads in everyday work situations, you not only need straps you can rely on. You need a solution to get the work done easily, and one which makes it easy to check on safety quickly and easily, too. Our ratchet strap tensioners are the perfect answer.

Longer lever, tensioning without breaking your back

The extended handle on the Ergo ratchets considerably reduces the effort required for lashing. You can achieve even high tension with considerably less muscle power. Because you work the handle by pulling downwards instead of pushing upwards, they are a lot easier on your back. With the extra-long lever they fulfill ergonomic requirements even better.

Tension Force Indicator

Using the patented TFI, you can check at a glance the amount of tension force being applied to the



load. If the jaws of the TFI are completely closed, this indicates the maximum achievable pretension force of 750 daN. Intermediate forces can also be read. It couldn't be easier. And now there is a TFI with an adaptor for the adjustable strap section.

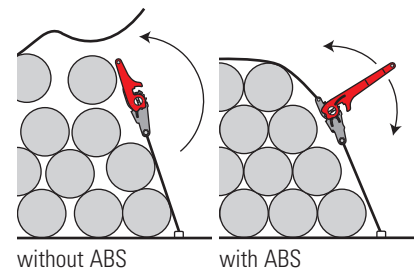
Integrated edge protectors

SpanSet straps are well-known for their low elasticity of 4% maximum. With their additional anti-abrasion webbing edge, even with irregular loads they are a safe bet. A tough partner when it comes to securing loads.

"Anti-Belt-Slip" process

The ratchet is loosened, the tension is released all at once and the load falls: whoever has experienced this just once, knows how important ABS is. Because thanks to ABS, you have complete control when unlashing. The ABS system releases the pretension force in small steps.

This gives you the opportunity to straighten loads which are leaning on the strap and in danger of tipping by using a forklift truck. This helps to prevent damage and avoid accidents.



Safety label on each webbing strap

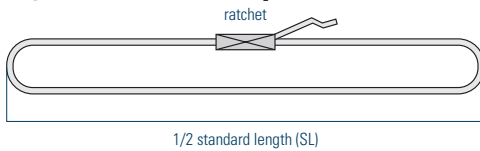
So that you can check at any time whether the ratchet lashing strap suits the load to be secured, each strap is equipped with a patented safety label which cannot be torn out. If this label is missing, the strap must be withdrawn from use. Our top-of-the-range products have an extra protective cover for this purpose.

Lashing systems

ErgoABS lashing strap

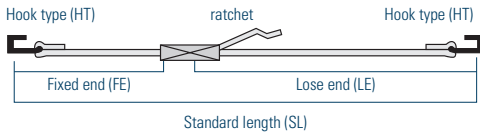


ErgoABS 4,000, one-part



Order-No.	Standard length SL [m]	Weight for SL [kg]	Lc [daN]	Webbing width w [mm]
D001568	8,0	3,0	4.000	50

ErgoABS 4,000, two-part



Order-No.	Standard-length* SL [m]	Weight for SL [kg]	Hook type** (HT)	Lc [daN]	STF [daN]	with TFI [daN]	Fixed end [m]	Webbing width w [mm]
D003552	8,0	4,1	A	2.000	500	750	0,5	50
D003556	8,0	3,4	B	2.000	500	750	0,5	50
D003557	8,0	3,7	C	2.000	500	750	0,5	50
D003558	8,0	3,3	D	2.000	500	750	0,5	50



ErgoABS 5,000, one-part

Order-No.	Standard length SL [m]	Weight for SL [kg]	Lc [daN]	Webbing width w [mm]
D001565	8,0	3,0	5.000	50



ErgoABS 5,000, two-part

Order-No.	Standard-length* SL [m]	Weight for SL [kg]	Hook type** (HT)	Lc [daN]	STF [daN]	with TFI [daN]	Fixed end [m]	Webbing width w [mm]
D003517	8,0	4,3	A	2.500	500	750	0,5	50
D003532	8,0	3,6	B	2.500	500	750	0,5	50
D003534	8,0	3,9	C	2.500	500	750	0,5	50
D003536	8,0	3,5	D	2.500	500	750	0,5	50



A triangle/snap hook B wire hook



C snap hook

D rave hook



* special lengths on enquiry

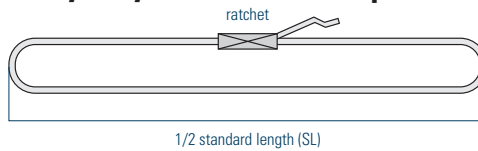
** dimensions and details of connectors at www.spanset.de

Heavy-duty lashing systems

Heavy-duty lashing strap

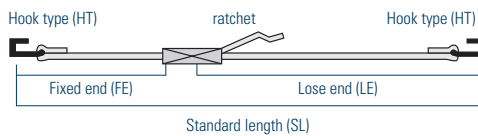


Heavy-duty ABS 10,000, one-part



Order-No.	Standard length* SL [m]	Weight for SL [kg]	Lc [daN]	Webbing width w [mm]
D001584	4,0	4,3	10.000	75

Heavy-duty ABS 10,000, two-part



Order-No.	Standard length* SL [m]	Weight for SL [kg]	Hook type** (HT)	Lc [daN]	Fixed end [m]	Webbing width w [mm]
D003615	4,0	6,8	A	5.000	0,7	75
D003616	4,0	8,7	B	5.000	0,7	75
D003617	4,0	5,6	C	5.000	0,7	75

A triangular



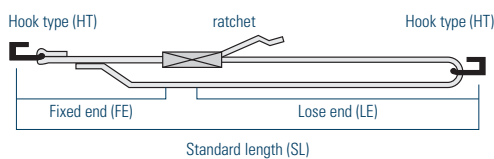
B triangle/snap hook



C wire hook



Heavy-duty ABS 20,000, two-part, double layer pulley system



Order-No.	Standard length* SL [m]	Weight for SL [kg]	Hook type** (HT)	Lc [daN]	Fixed end [m]	Webbing width w [mm]
D003619	4,0	9,5	A	10.000	0,7	75
D003618	4,0	8,1	B	10.000	0,7	75

* special lengths on enquiry

** dimensions and details of connectors at www.spanset.de

Heavy-duty lashing systems

Heavy-duty lashing strap

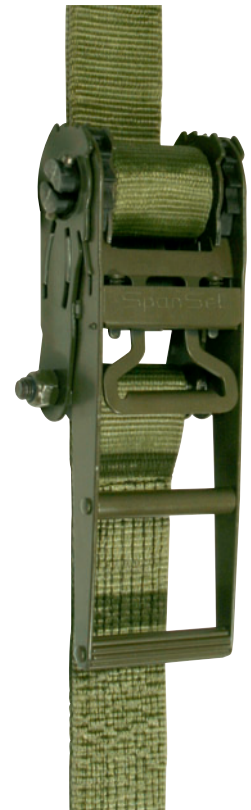
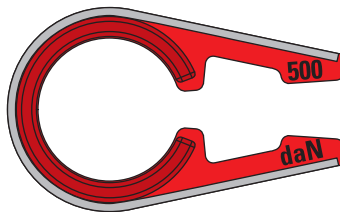
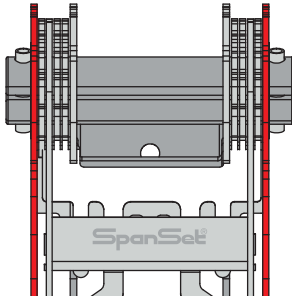


Reinforced gearing

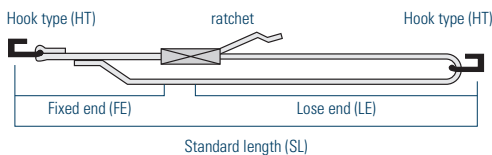
This high performance ratchet is specially reinforced with a double tooth so that the load is distributed over three points instead of only two. This is what gives it its tremendous resilience and robustness.

Tension Force Indicator (TFI)

The TFI which comes as standard in this high-performance lashing serves as a safety element against unintentional overtensioning; i.e.: optimum tension relative to lashing force (Lc)..



Heavy-duty ABS 25.000, two-part, double layer pulley system



Order-No.	Standard length* SL [m]	Weight for SL [kg]	Hook type** (HT)	Lc [daN]	Standard-length FS	Webbing length w [mm]
D012776	4,0	16,5	A	12.500	0,7	75

* special lengths on enquiry

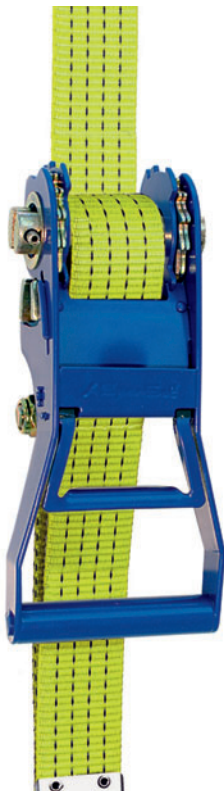
** dimensions and details of connectors at www.spanset.de

A Safety hook

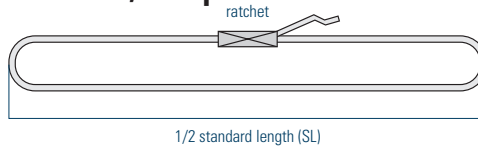


Lashing systems

ABS lashing strap

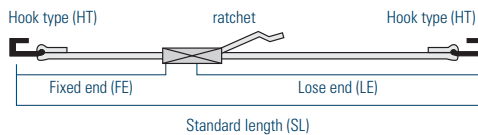


ABS 4.000, one-part



Order-No.	Standard length* SL [m]	Weight for SL [kg]	Lc [daN]	Webbing width w [mm]
D001575	8,0	2,5	4.000	50

ABS 4.000, two-part



Order-No.	Standard-length* SL [m]	Weight for SL [kg]	Hook type** (HT)	Lc [daN]	STF [daN]	Fixed end [m]	Webbing width w [mm]
D003585	8,0	3,5	A	2.000	450	0,5	50
D003590	8,0	3,0	B	2.000	450	0,5	50
D003591	8,0	3,3	C	2.000	450	0,5	50
D003593	8,0	2,8	D	2.000	450	0,5	50

ABS 5.000, one-part

Order-No.	Standard length* SL [m]	Weight for SL [kg]	Lc [daN]	Webbing width w [mm]
D001572	8,0	2,8	5.000	50



ABS 5.000, two-part

Order-No.	Standard-length* SL [m]	Weight for SL [kg]	Hook type** (HT)	Lc [daN]	STF [daN]	Fixed end [m]	Webbing width w [mm]
D003577	8,0	3,8	A	2.500	450	0,5	50
D003578	8,0	3,3	B	2.500	450	0,5	50
D003579	8,0	3,6	C	2.500	450	0,5	50
D003580	8,0	3,1	D	2.500	450	0,5	50



A triangle/snap hook B wire hook



C snap hook



D rave hook



* special lengths on enquiry

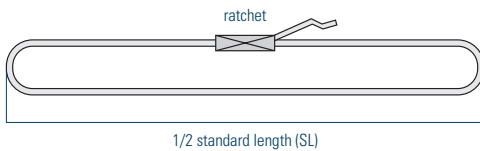
** dimensions and details of connectors at www.spanset.de

Lashing systems

Ergo lashing strap

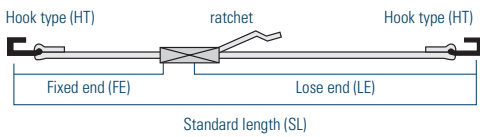


Ergo 5.000, one-part



Order-No.	Standard length* SL [m]	Weight for SL [kg]	TFI	Lc [daN]	Webbing width w [mm]
D001569	8,0	3,0	without	5.000	50
D012765	8,0	3,0	with	5.000	50

Ergo 5.000, two-part



Order-No.	Standard-length* SL [m]	Weight for SL [kg]	Hook type** (HT)	Lc [daN]	STF [daN]	with TFI [daN]	Fixed end [m]	Webbing width w [mm]
D003595	8,0	3,4	A	2.500	500	-	0,5	50
D006003	8,0	3,4	A + TFI	2.500	500	750	0,5	50
D003596	8,0	3,7	B	2.500	500	-	0,5	50
D005726	8,0	3,7	B + TFI	2.500	500	750	0,5	50
D003597	8,0	3,3	C	2.500	500	-	0,5	50
D012764	8,0	3,3	C + TFI	2.500	500	750	0,5	50

* special lengths on enquiry

** dimensions and details of connectors at www.spanset.de



A wire hook



B snap hook



C rave hook



Lashing systems

Spannfix lashing strap



Spannfix 2.000

- yellow chrome-finished ratchet
- quality tested
- according to EN 12195



Order-No.	Type	Hook type** (HT)	Lc	Lc	Lc	STF [daN]	Webbing width w [mm]	Standard- length SL [m]	Fixed- end FS [m]
			[daN]	[daN]	[daN]				
D001589	one-part				2000		35	4,00	
D003664	two-part	C	1000	2000		260	35	4,00	0,30
D006096	two-part	B	1000	2000		260	35	4,00	0,30



Spannfix 1.000

- yellow chrome-finished ratchet
- quality tested
- according to EN 12195



Order-No.	Type	Hook type** (HT)	Lc	Lc	Lc	STF [daN]	Webbing width w [mm]	Standard- length SL [m]	Fixed- end FS [m]
			[daN]	[daN]	[daN]				
D001586	one-part				1000		50	4,00	
D013975	two-part	A	500	1000		210	50	4,00	0,30
D003655	two-part	C	500	1000		210	50	4,00	0,30
D003657	two-part	B	500	1000		210	50	4,00	0,30

A wire hook

B snap hook



C rave hook

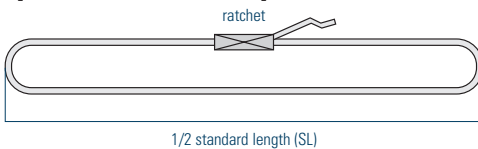


Lashing systems

Spannfix lashing strap

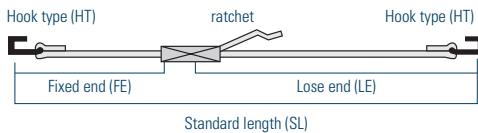


Spannfix 4.000, one-part



Order-No.	Standard length SL [m]	Weight for SL [kg]	Lc [daN]	Webbing width w [mm]
D001579	8,0	2,1	4.000	50

Spannfix 4.000, two-part



Order-No.	Standard-length* SL [m]	Weight for SL [kg]	Hook type** (S)	Lc [daN]	STF [daN]	Fixed end [m]	Webbing width w [mm]
D003629	8,0	2,6	A	2.000	350	0,5	50
D003632	8,0	2,9	B	2.000	350	0,5	50
D003635	8,0	2,4	C	2.000	350	0,5	50



Spannfix 5.000, one-part



Order-No.	Standard length SL [m]	Weight for SL [kg]	Lc [daN]	Webbing width w [mm]
D001577	8,0	2,4	5.000	50

Spannfix 5.000, two-part



Order-No.	Standard-length* SL [m]	Weight for SL [kg]	Hook type** (HT)	Lc [daN]	STF [daN]	Fixed end [m]	Webbing width w [mm]
D003622	8,0	2,9	A	2.500	350	0,5	50
D003624	8,0	3,1	B	2.500	350	0,5	50
D003626	8,0	2,7	C	2.500	350	0,5	50

A wire hook



B snap hook



C rave hook



* special lengths on enquiry

** dimensions and details of connectors at www.spanset.de

One way lashing

Easy lash

Safety for all applications



EasyLashtex

EasyLashtex straps are woven from PE high-tensile fibres and designed for highest load capacity during transport. They can be used for load restraints or for strapping palletted goods. Due to the weave and the thermo-fixing, these straps are as durable as steel straps, but considerably lighter. What's more, lashing straps are more convenient and safer to handle, because when securing or removing steel straps there is the danger of nasty injuries from sharp metal edges or straps whipping back. With textile straps, this problem does not arise.

Protection for your load

Yet another advantage of straps: since they are not as sharp-edged as steel straps, they do not damage the load. Sudden movements during transport are damped by the characteristics of the woven material. EasyLashtex is

suitable even for the most delicate surfaces and thus reduces costs arising from damage in transport.

SpanSet's tried and tested weaving technology guarantees the highest quality. In addition, the polyester weave is extremely weather-resistant due to the thermo-fixing. A further advantage: whilst steel straps frequently spoil the surface of a load with rust marks, textile straps cannot corrode.

EasyLashtex come in widths from 16 up to 50 mm. With suitable connectors, thanks to EasyLashtex's high-tensile, woven structure, it is possible to achieve tension of up to 7,500 daN. Suitable strap tensioners can be found on Page 28.

Example of the EasyLashtex range

Order-No.	Type	Webbing thickness [mm]	Webbing width [mm]	Webbing strength [daN]	Tensile strength in horizontal strapping [daN]	With buckle	packaging unit	Weight packaging unit [kg]	Length per roll/sack [m]
D015436	tex 16-0900	0,8	16	600	900	BC-4	2 rolls	14,0	600
D015812	tex 25-1500	1,0	25	1.100	1.500	BC-13	sack	13,5	500
D015437	tex 25-2100	1,2	25	1.400	2.100	BC-12	2 rolls	16,4	300
D015817	tex 35-3000	1,4	35	3.000	3.000	BC-14	sack	17,1	300
D015438	tex 38-3000	1,0	38	2.000	3.000	BC-7	4 rolls	28,0	100
D015816	tex 50-2500	0,9	50	1.900	2.500	BC-15	sack	12,0	300
D015819	tex 50-5000	1,8	50	4.900	5.000	BC-15	sack	17,6	200
D015820	tex 50-7500	2,1	50	6.000	7.500	BC-16	sack	19,7	150
D017325	tex 50-8000*	2,1	50	6.000	8.000	BC-10	sack	19,7	150

* This article does not comply with Railway Regulation BN 918 090. Further models on request.

One way lashing

Easy lash



All advantages at a glance:

- high tensile strength, low weight: the ideal alternative to steel straps
- easy handling
- complies with Railway Regulation BN 918 090: tested quality
- tensile strength clearly printed on strap helps to avoid errors in use
- suitable for transport worldwide on containers, rail and ship
- minimum injury hazard
- protects delicate goods from damage
- weather-resistant and cannot corrode
- straps can be re-used

Simply powerful

So that you can use the strength of EasyLash straps to the full, you need the EasyLash clasps whose sizes, surfaces and materials have been optimally chosen for application in strapping. This is the only way to achieve the greatest possible tensile

strength. EasyLash clamp buckles are made from one single, sturdy metal rod. As a result there are no burrs or seams which can wear away at the strap. The surface of the buckles is phosphatised or galvanised and thus corrosion-resistant. This surface treatment is essential for the high friction of the strap in the buckle and thus for the secure fastening of the strapping.

High tensile strength

For some systems you need frame buckles. They consist of shaped, welded, round steel rod or are stamped from sheet and offer the strap ideal purchase. Using this shape of buckle, you can achieve significantly higher tension than with conventional buckles. Due to the surface treatment, the frame buckles are additionally protected against corrosion and are weather-resistant.

Order-No.	Type	Buckle for type	Application as	Webbing width [mm]	Tensile-strength in. strapping [daN]	Surface	packaging unit [cardboard box]	Weight packaging unit [kg]
D015457	BC-4	tex 16-0900	Locking-buckle	16	900	phosphatised or galvanised	500	20,0
D002003	BC-13	tex 25-1500	Loop-clasp	25	1.500	powder coating	200	6,0
D015459	BC-12	tex 25-2100	Locking-buckle	25	2.100	phosphatised or galvanised	250	22,5
D015794	BC-14	tex 35-3000	Locking-buckle	35	3.000	chrome-finished	100	10,5
D015460	BC-7	tex 38-3000	Locking-buckle	38	3.000	phosphatised or galvanised	200	22,5
D000248	BC-15	tex 50-2500 tex 50-5000	Locking-buckle	50	5.000	chrome-finished	100	18,0
D000300	BC-16	tex 50-7500	Loop-clasp	50	7.500	chrome-finished	100	23,0
D000249	BC-10*	tex 50-8000	Locking-buckle	50	8.000	chrome-finished	50	19,5



BC-16



BC-13



BC-14



BC-15



BC-4 / BC-7 / BC-12



BC-10

One way lashing

Easy lash



Manual tensioner for straps up to 19 mm



Pneumatic tensioner for straps up to 38 mm



Manual tensioner for straps up to 40 mm



Manual tensioner for straps up to 50 mm



Ergo ratchet strap tensioner for straps up to 50 mm

Tensioning and cutting all in one machine

In order to achieve the necessary pretension forces, you need a reliable strap tensioner. In the case of ratchet straps, the tensioner is integrated into the device, and for this reason they are too valuable to use for export. With the EasyLash system, the strap tensioner stays on site and only the straps make the trip. A one-off investment which quickly pays for itself.

Mechanical strap tensioner

This strap tensioner constructed of robust material makes load securing easy and quick. Its leverage ratio makes it easy to achieve high pretension forces with little effort. Depending on model, it is suitable for strap widths up to 19, 40 or 50 mm.

Pneumatic strap tensioner

Instead of using muscle power, this tensioner works using compressed air. This saves energy and time, especially if you have to package large numbers regularly. Here too, the cutter is built-in – you can't get quicker and safer than this. Suitable for straps up to 38 mm wide.*

Take the strain off your back

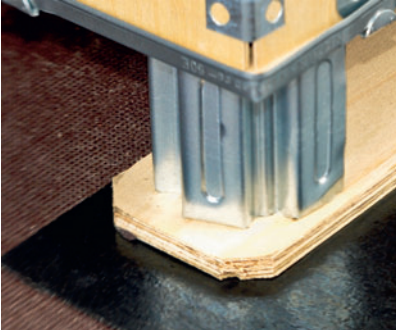
With the EasyLash Ergo ratchet you are pulling and not pushing in order to tension the strap ergonomically. Lashing requires less effort and is finished with quicker. The Ergo ratchet is a good alternative to the standard tensioner (Code D000152) and ideal if you only use it occasionally. Can be used with all EasyLashtex straps.

Order-No.	Description	for max. Webbing width [mm]	Dimensions [mm]	Weight [kg]	Built-in cutting-device
D015578	Pneumatic tensioner	38	305 x 240 x 145	4,6	yes
D000152	Manual tensioner	50	320 x 185 x 105	2,6	yes
D015580	Manual tensioner	40	330 x 180 x 95	2,5	yes
D015579	Manual tensioner	19	320 x 180 x 95	1,5	yes
D011872	Ergo ratchet strap tensioner (only for EasyLashtex)	50	335 x 110 x 70	2,6	no

* Model for up to 50 mm on enquiry

Accessories

SpanSet Grip Paletto



SpanSet Grip

When it comes to load securing by means of frictional connection: the greater the friction between load and platform, the fewer lashing straps you need. Without using anti-slip mats, it is usually impossible to tie down a load economically. This is why with SpanSet Grip we have developed an anti-slip mat with which it has been proven that the decisive coefficient of friction (μ) for different friction combinations can be increased up to 0.6. Even a coefficient of friction of 0.9 can be achieved – with a surface pressure of 1-20 g/mm² with the 2-mm mat, or of 10-40 g/mm² with the 9.5-mm mat. These values have been tested and certified.

On request you will receive from us either a copy of the Certification or a pocket card with the SpanSet Grip figures. If you carry one of these documents with you, you can demonstrate at any time that you have loaded in accordance with regulations and have complied entirely with the corresponding VDI [Association of German Engineers] Guideline 2700, Data Sheet 15. SpanSet Grip thus proves itself to be the ideal complement to tying down loads. The anti-slip mat is unaffected by oil and other operating fluids and easy to clean. And although it is relatively thin and light, even when continuously exposed to loads, you can rely on its sturdiness and reusability.

Order-No.	Thickness* [mm]	Size* [mm]	Weight [kg]
For normal loads			
D000165	2,0	200 × 200	0,01
D000167	2,0	5.000 × 266	3,18
D000173	2,0	20.000 × 150	7,17
Ideal for heavy-duty loads			
D000166	9,5	200 × 200	0,59
D000168	9,5	5.000 × 266	19,50

* Special sizes available

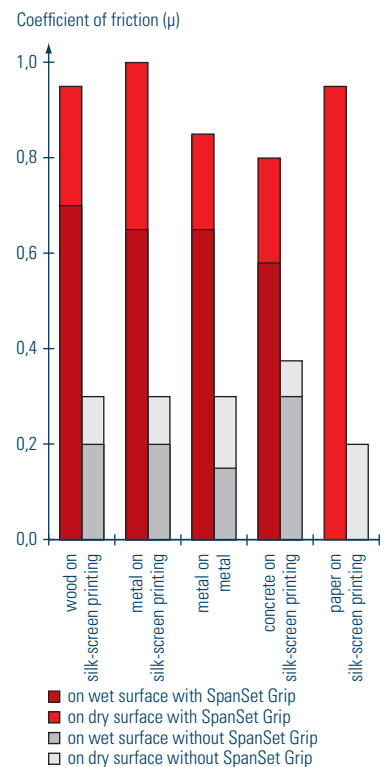
Paletto

Pre-cast concrete parts and paving stones are more delicate to transport than people think – in particular their edges. In addition, each load consists of a multitude of individual stones or items. If you put on normal corner protectors, the stone underneath is pushed out of place. This is where our Paletto helps out.

The robust Paletto edge protector has a particularly wide L-shape and outward-curving angle to fit over the load. This combination ensures that, when tying down, the pressure is not transmitted directly to the edge of the items in the load but is distributed evenly over the surface. Furthermore, the strap slides over the exterior, round face so that you can manage high pretension forces with little effort.

In contrast to similar products, Paletto is manufactured from solid material and can take high forces. For tough, everyday work, Paletto is perfectly equipped.

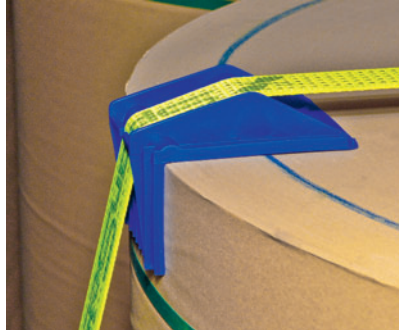
Coefficient of friction using the 2-mm version as an example:
(values established by the FLog laboratory)



Order-No.	Length [mm]	Height [mm]	Width [mm]	Thickness [mm]	Weight [kg]
D002128	1.200	207	165	8	3,0
D002129	2.400	207	165	8	5,8

Accessories

Corner protectors



KaSi



UWI



LOX



Bent angle

KaSi corner protectors

When securing paper rolls it is important to prevent the lashing straps cutting into the edge of the load. To avoid this we have developed KaSi, corner protectors specially for paper rolls.

Intelligent details make KaSi safe and easy to use:

- the concave interior edge guide ensures that the lashing force is evenly spread over the edge of the roll.
- the integrated strap holder reliably prevents the strap slipping out of place.
- the "hump" on the KaSi ensures that the angle is pulled in towards the load and exerts pressure from above.

UWI

An especially cheap edge protector for straight loads. UWI transfers the lashing forces wide, which causes a discharge of the load edge. The polished edge guide improves the transfer of the lashing forces.

LOX

When it comes to straight edges, LOX is the best protection for your load edges. Made of resistant polypropylene, it can be quickly attached and fixes the strap so that it cannot slip. In addition it represents an affordable solution for everyday applications in the transport sector.

With its two pre-tensioned legs, when under load LOX clings to the load and protects the edges from being cut into by the strap. Particularly with soft or sensitive edges and surfaces, your load needs this protection. On the other hand, LOX protects your lashing equipment from sharp, hard edges. The LOX corner protector is designed for strap widths from 35 - 50 mm.

Bent angle

This edge protector is extremely practical to use. It is threaded onto the lashing equipment and so cannot come off when being fitted. Just push it into the correct place, bend the angle over, tighten the straps and you're done. Suitable for straps from 9 - 19 mm or 25 - 38 mm width.

Order-No.	Identifying code	Max. useable webbing width [mm]	Material	Sizes [mm]	packaging unit
D002859	KaSi	50	PP	145 x 145 x 80	96
D020992	UWI	50	PP	135 x 145 x 90	144
D002866	LOX	35-55	PP	95 x 95	500
D015585	bent angle	9-19	Plastic		1.000
D015586	bent angle	25-38	Plastic		1.000

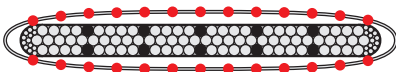
Accessories

Protective sleeves



slIP protective sleeve

- slIP – the patented protective sleeve, reinforced with high-performance fibres

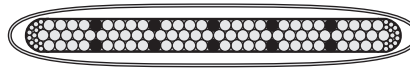


Order-No.	Useable for webbing widths up to [mm]	Length [cm]
D011524	35	500
D007194	50	500



Protective sleeve PF/2

- PF/2 - the extra-low-friction protective sleeve allows straps to slide easily

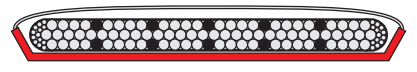


Order-No.	Useable for webbing widths up to [mm]	Length [cm]
D013546	35	100
D013545	50	100
D013544	75	100

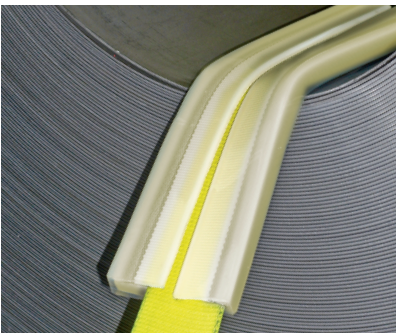


Protective sleeve LSP-SF1

- LSP-SF1 – protective sleeve with thick-walled polyurethane coating for particularly tough jobs



Order-No.	Useable for webbing widths up to [mm]
D000777	25
D000778	35
D000780	50
D000841	75



Protective clip SC

- protective clip SC – can be easily and quickly clipped onto any strap without having to undo the strap



Order-No.	Packing unit [m/Roll]	Useable for webbing widths up to [mm]
D000871	0,25	50
D000870	0,30	50
D000874	0,50	50
D000876	5,00	50



Protective clip SC with textile

- quick to attach and remove for efficient use
- robust material for long service life



Order-No.	Länge [cm]	Useable for webbing widths up to [mm]
D013538	50	35
D013539	100	35
D013540	50	50
D013541	100	50
D013542	50	75
D013543	100	75

Load restraint

Cargo nets

PE nets – to save with flexibility

Knotted cargo nets with DEKRA-certification



- Material: woven polyethylene
- Knotted, mesh size: 45 mm
- Reinforced edge stitching: 8 mm
- Colour: green
- Material thickness: approx. 2.5 mm
- Useable temperature range: from -85°C up to +90°C
- Certified to EN 12195 and VDI 2700
- DEKRA-certified as load securing net and marked with appropriate label
- Individually packed in transparent plastic sack with in-lay card

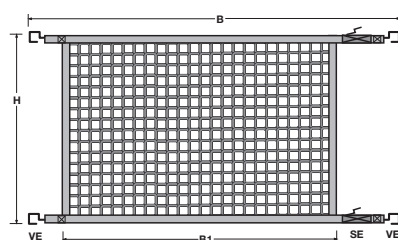
Paxafe load securing nets provide safety you can rely on. This is why they are DEKRA-certified and supplied with a firmly sewn-on identifying label.

The robust Paxafe load retention nets are available in various sizes and designed to secure loads up to 2,000 kg. Whether for your estate car, trailer, flatbed truck or a container, with Paxafe nets, you are sure to have a safe journey.

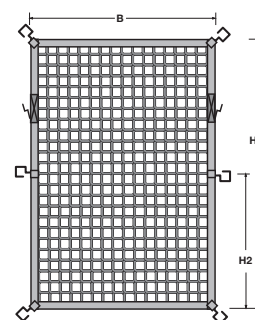
Order-No.	Dimension [mm]
D025965	2000 x 3000
D025966	4000 x 3000
D004082	2500 x 3500
D017545	3500 x 6,000
D017544	3500 x 5,000
D004080	1500 x 2200
D004074	1300 x 1600
including 4 lashing straps with buckles	
D004081	1500 x 2700

With Paxafe cargo nets you can quickly and effortlessly secure loads of all kinds on estate cars, trailers and flatbed trucks. At the same time, handling the load securing net with 4 buckles is child's play and very flexible: tighten the Paxafe net over your load, fix

it with the buckles and you're done! Result: no problems with the traffic police and no costs for lost or damaged material.



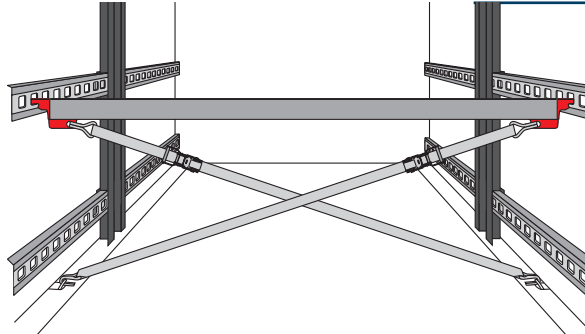
Net for car



Net for flatbed truck

Load securing for curtainsiders

Truxafe



Efficient load securing for curtainsiders

Curtainsiders do have one problem: they do not provide sufficient sturdiness in the side-wall to secure heavy loads or those which are stacked high. A reinforced curtain, when it bulges out, may perhaps hold a load but it does not have sufficient strength to force the load back to the centre of the platform. Particularly in the case of piece goods on pallets or dangerous goods (e.g.: drums for the chemical industry or big-bags) critical situations may arise. What starts as a bulge in the curtain can end with the loss of the entire load and danger to life and limb. Article 22 of the Traffic Regulations was once again tightened up at the beginning of 2006. Now shippers, drivers and transport companies bear heavier

responsibility. On top of that comes the new Regulation EN 12642 Code XL. Under it, in many cases, loading using lateral form-fitting tie-down is insufficient

TRUXAFE – adapt your transport quickly and affordably.

With TRUXAFE components from SpanSet, curtainsiders can quickly and easily be brought up to date. This way you can secure loads in line with the requirements of Art. 22, Section 1 of the Traffic Regulations and VDI-Ri. 2700. The TRUXAFE system consisting of securing rails, side bars, lashing and stanchions works perfectly: the entire structure forms a kind of solid, stiffened "cage" which deflects any lateral forces created into the ground frames of the construction.

TRUXAFE side bar

Order-No.	Standard length SL [mm]	Height [mm]	Depth [mm]	Weight [kg]	Point load [daN]	Distributed load [daN]	Length of head piece [mm]
D00677	3.050	175	35	11,7	400	800	275

TRUXAFE securing rail

Order-No.	Standard length SL [mm]	Height [mm]	Depth [mm]	Weight [kg]	Distributed load [daN]
D006458	2.540	127	80	11,8	2.500
D013527	2.540	175	35	10,3	1.000

TRUXAFE diagonal lashing

Order-No.	Standard length* SL [m]	Weight for SL [kg]	Hook type** (HT)	Lc [daN]	Fixed end [m]	Webbing width w [mm]
D013332	3,5	1,8	A	1.500	0,3	35
D013333	3,5	1,5	A+B	1.500	0,3	35
D006470	3,5	3,4	A	2.500	0,5	50
D012074	3,5	3,5	A+B	2.500	0,5	50

* special lengths on enquiry

** dimensions and details of connectors at www.spanset.de <http://www.spanset.de/>

TRUXAFE Pro

Order-No.	Standard length complete [mm]	Lc [daN]	Weight overall [kg]	Webbing width [mm]
D011708	4.200	2.500	5,0	50



A wire hook



B rave hook



Height safety

ErgoStop fall-arrest harness

Put your belt on before you get going!



Those who venture into danger need to think "safety first". And for that you need the intelligence of modern, modular fall-arrest equipment. The components of the ErgoStop and ErgoHalt systems with their complementary accessories that can be added at any time solve the many problems in the field of safety at work. While providing the highest quality, they are your guarantee of optimum cost-effectiveness. Perfect for difficult performances, they are as individual as the high demands you make on them..

Precisely in line with your demands, you select from the ErgoStop and ErgoHalt modular fall-arrest system only those items which you really need. In the system, all the components fit together. You can extend your system at any time.

All fall-arrest and safety harnesses have the following in common:

Quality tested for safety and functionality; perfectly produced; light to wear; chest strap with ergonomic guide in the event the wearer becomes suspended; triangular back panel with easily-understood abbreviated instructions as supplement to instructions for use.

1. Modular fall-arrest harness system
2. Modular safety harness system
3. Reflective vest

ErgoStop 1PS:

Fall-arrest harness with 1 fall-arrest ring (D-ring)

- fall-arrest harness with clamp buckles and one D-ring on the back
- easy to don
- chest strap for ergonomic guide in the event the wearer becomes suspended
- triangular back panel with easily-understood abbreviated instructions

ErgoStop 2PL:

Fall-arrest harness with 2 D-rings

- fall-arrest harness with clamp buckles and one D-ring on the back
- easy to don
- chest strap for ergonomic guide in the event the wearer becomes suspended
- triangular back panel with abbreviated instructions
- with two additional fall-arrest loops

ErgoStop 3PS:

as Ergo 1PS but combined with ErgoHalt safety harness – 1 D-ring and 2 attachment rings



ErgoStop 1PS



fall-arrest harness with 1 D-ring

Order-No.
D004093

ErgoStop 2PL



fall-arrest harness with 2 D-rings

Order-No.
D004156

ErgoStop 3PS



fall-arrest harness with 1 D-ring and 2 attachment rings

Order-No.
D007070



ErgoLine HSL EN 795

The ErgoLine horizontal webbing safety line provides both optimum safety and also the necessary freedom of movement for work at height. The horizontal strap is tensioned with the Ergo ratchet tensioner between two anchor points, e.g.: beams. Thereafter the user is secured over the whole length of the span. In addition a built-in TFI indicates the tension on the line.

The horizontal webbing line is supplied in a practical carry bag with shoulder strap, which is easy to carry and serves to stow other straps. Static line for temporary installation only, not suitable for permanent use.

Order-No.	Length [m]	End-connector	Weight [kg]	Tensile strength [daN]
D013740	20	Screw-gate-carabiner/ Screw-gate-carabiner	5.73	3000
D013741	20	Safety-carabiner/ Safety-carabiner	5.50	3000
D013742	20	Loop/ Loop	5.15	3000

Set E

Always ready to hand, protected against the elements, in a metal, lockable box to avoid unauthorised use or in a practical rucksack - the SpanSet SafetySet – the all-inclusive package for peace of mind!

We supply 4 different sets. All the sets contain the ErgoStop 2PL fall-arrest harness with additional flexible attachment points at the front, as well as running fall-arrest device on moveable guide including webbing shock-absorbing lanyard and a 10 or 15 m length of extremely robust kernmantel rope. In addition, Sets 2 and 4 include a useful 2.0 m attachment sling.

Metal carry case, ErgoStop 2PL fall-arrest harness, running fall-arrest device with 10 m webbing shock-absorbing lanyard, 10 m polyamide rope.

Order-No.	Type	Weight [kg]
D007205DU	Set E	10

Height safety

ErgoLine, Set E, attachment sling



Attachment sling

Round-sling RVS

Edge protection

Attachment sling Round sling RVS Edge protection

The SpanSet attachment sling is a flexible replacement for a lack of anchor points for fastening your personal protection equipment. Tied on to a load-bearing structure (steel beam, scaffolding), the attachment sling offers a secure anchor point.

Attachment sling

Order-No.	Strap-width [mm]	Effective-length L1 [m]	Tensile-strength [daN]
D005691	25	0,6	2500
D004584	25	0,9	2500
D005557	25	1,2	2500
D006602	25	1,8	2500

RVS round sling

Order-No.	Effective-length L1 [m]	Tensile-strength [daN]
D013743	1,0	7000
D013744	2,0	7000
D013745	3,0	7000

Edge protection

Order-No.	For Strap-width [m]	Effective length L1 [dm]
D013746	25	0,4
D013747	25	0,6
D013748	25	0,8
D004573	25	1,0

Height safety equipment

Inertia reels



Compact Series



Compact G Series



Solid Series

You want safety without excessive outlay. And maximum freedom of movement at the same time. Inertia reel safety devices by SpanSet are reliable, robust and flexible to put into use.

The braking system works like a safety harness. You can move around quite normally - but in the event of a fall, the brake acts immediately. Thus even at low working heights you are protected: fall height is minimum.

The Compact Series

The housing of the Compact Series is made of plastic - especially small and light making it easy to transport and flexible when in use. In addition, the steel rope is galvanised against corrosion.

Order-No.	Type	Description	Rope- Length (m)	Weight (kg)
D003309	HPS.005	Compact 5 m	5	2,5
D003310	HPS.006	Compact 6 m	6	2,8
D013750	HPS.012	Compact 12 m	12	4,0
D003311	HPS.018	Compact 18 m	18	6,7

The Compact G

Just couldn't be lighter: the Compact G is convenient to carry with you anywhere. Extra-light aluminium housing - and with the tried and tested webbing strap you save additional weight.

SpanSet inertia reels are suitable for all assembly, servicing and cleaning work at height. Yet another plus point: they can be used in confined spaces, e.g.: in shafts or silos.

The Solid Series

The combination of light plastic housing with super-strong webbing strap makes for easy handling and low weight.

Also suitable for the electrical industry, tree care and telecommunications.

Order-No.	Type	Description	Strap- length (m)	Weight (kg)
D003778	HPB.007	Solid 7 m	7	4,0
D012786	HPB.014	Solid 12 m	12	6,4

Height safety equipment

Rescue kits



Gotcha Shark rescue kit

The SpanSet Shark kit is a simple descent rescue system. The device has been tested and authorised for use in accordance with DIN EN 341 as rescue equipment/abseil device. Learning to use and handle it is quick. It can be used to evacuate one or two people, as well as to rescue a person who has fallen. In order to rescue the fallen person, the rescuer descends by means of this abseil device to the casualty, connects the abseil rope to the latter's fall-arrest harness, releases the casualty's attachment and then lowers himself to safety on the ground.

The Gotcha Shark standard kit contains:

- an abseil device ready connected to the rope and provided with 2 carabiners
- 66 m of kernmantel rope with a carabiner at one end (other rope lengths on enquiry)
- one attachment sling as per DIN EN 795
- one wire rope cutter
- one robust transport bag

Order-No.	Description	Abseil-lengths [m]
D007029	Gotcha Shark 66	66

Gotcha rescue kit

The SpanSet Gotcha rescue device in accordance with EN 1491 enables a rapid rescue by descent or ascent. It is equipped with pulley tackle controlled by a rope brake. Equally, pulling up the casualty to a higher point can be carried out quickly and safely. One of the special features of the Gotcha rescue devices is the telescopic pole. This makes it possible for the rescuer to tie the suspended person via a snap-fit coupling to the Gotcha system without the rescuer himself having to get into a dangerous situation. Rescue from a fall-arrest device is possible with the aid of an additional device; please ask us for details. A special snap-fit connector is fitted on the telescopic pole which clicks onto the attachment point of the fallen person's fall-arrest harness. Depending on the circumstances, the system can be attached to anchor points below or above the rescuer.

The Gotcha standard kit includes:

- hoisting mechanism ready mounted on the rope, supplied with 3 carabiners
- 50 m of kernmantel rope for a max. lifting height of 17 metres (other rope lengths on enquiry)
- a snap-fit fastening for attaching to the telescopic pole
- one telescopic pole
- one round sling in accordance with DIN EN 795
- one strong transport bag

Order-No.	Description	Rope length [m]
D013422	Gotcha 50	50



Gotcha Shark rescue kit



Gotcha rescue kit

Seminars

Hoisting, Load Securing and Height Safety Techniques

Safety that you can book



With the new SpanSet Seminar Programme we would like to present our much extended training programme. Legislation, guidelines, standards change and also companies' requirements on safety. Also the demand for special training topics increases. Our new programme responds to these demands.

Training courses in your area

Not only have we run expert courses, practical seminars and tuition at 10 attractive locations in Germany during 2008, but also abroad in such places as Luxembourg and Salzburg. On request you will receive information about our current seminar programme near you.

Training areas

On the following pages we present the newly-designed seminar programme. The objective is to satisfy any training needs in the areas of

- hoisting techniques
- load securing techniques
- height safety techniques

Beyond these specific safety topics, we also run training courses on related matters: courses to qualify as a forklift and crane driver. A new item in the programme is training on the important topic of hazard analysis and risk assessment.

Safety training, step by step

When choosing the topics, we placed particular value on the possibilities of combining related topics to be taught at around the same time. Thus with the appropriate combination of different seminar modules, you can build up and improve knowledge on safety step by step. Now it is no problem to book several seminars so that the time required is considerably reduced.

Our services

Our qualified instructors teach using hands-on methods and modern media. Comprehensive teaching material is provided in each case and during the seminar refreshments are served.

Advice is a big help

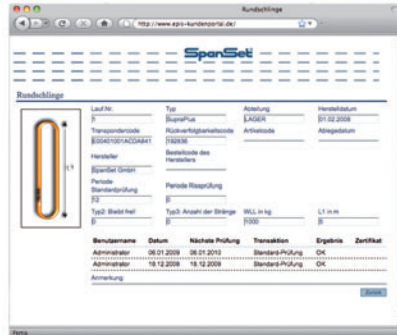
If you do not know exactly whether you need training courses, or find it difficult to decide which seminar is right for you, then get in touch with us. We will gladly help to determine your needs and work out the appropriate seminar for you. Additional help for planning comes in the shape of the SpanSet seminar brochure. Please ask your SIP dealer for a copy.

That extra something when it comes to safety

In addition we offer instruction and training courses in the fields of safety as a management task, safety management and health protection. Here the focus is on the topics of legislation with detailed training on occupational safety for duty holders, the new law on occupational safety, occupational safety on building sites and carrying out risk assessment. Your SIP dealer will be happy to tell you about dates and venues.

Accessories

EPIS



Product administration – quick, simple and convenient

The EPC (Electronic Product Code) system, thanks to modern technology with RFID transponders, makes the task of collecting data and administering your load securing, hoisting, and height safety products easier than ever. The EPC database has been extended to include many convenient functions for efficient product administration, documentation and inventory and is now network-capable. Importing your existing test and product data into the new EPC is a simple matter. Using the Importer, EPC provides you with a helpful tool – a system which is prepared for future advances with which you will save a great deal of time and administrative resources. Part of the overall system solution is a free-of-charge customer portal in Internet which reduces administrative costs and makes a conventional paper filing system superfluous. Combined with the testing service at your local SpanSet representative, the system comes full-circle. The intelligent functions of the new EPC software relieve you considerably from many routine tasks in product administration: preparation and updating of inventory lists, stock entry and removal, documentation on service life, testing and repairs - all become considerably simpler.

The new EPC software offers these extended functions:

- you see at a glance which products are due for testing
- EPC organises, plans and documents all regular maintenance and servicing intervals (with reminder application)
- all the products already in use can be included in the EPC database whether they have a transponder or not.
- transferring all your existing data from

Excel with the well-thought out Importer is uncomplicated.

- you can incorporate pictures, logos, spare parts and price lists into your documents.
- thanks to its network capability, several users have access to the test data and can work with EPC at the same time.
- the user interface is reminiscent of the familiar Office and Windows applications and is thus simple to operate.
- preparing inventory lists and product cycle analyses can be done via an Excel interface
- during the licence period, the update service is free of charge.

Customer portal gives online access

Using this free-of-charge service, your product documentation becomes highly efficient. Your documents, product and test records are stored in their entirety at the online portal www.epis-kundenportal.de. Your current product records, for instance about upcoming or completed tests and repairs, can be retrieved at your convenience from the online portal using your password. Because all data is stored centrally and accessible at any time, you can even keep your product records without paper - this saves work in the long term. Thanks to search and filter functions you can quickly find the information you need. This way you gain valuable time. Yet another advantage of the online portal: you can immediately look up your product records, where and when you want. Data can even be accessed via a mobile phone with Internet connection – so even on a building site, proof that you are working safely and according to regulations can be provided.



RFID-Transponder



1. Install the product on your PC, transfer to mobile data entry



2. Initialisation / enter data



3. Contactless data readout



4. Transfer data to database



5. Administer data, print out inventory lists and reports

