

SpanSet secutex®

Lifting
Buffer pad
Lifting equipment

Edge protectors

SpanSet International

„SpanSet makes the world more colourful“

„The world becomes more colourful with SpanSet“

Many, today generally used developments come from SpanSet. For example, we developed the colour coding of lifting straps and round slings in order to distinguish the originally single-coloured or raw-white straps better. Other important developments were made in the field of round slings and lashing belts; SpanSet is still the market leader in the field of high-quality textile slings and round slings and lashing systems.

„Strong as steel, but light and handy“

Spanset is the expert in the areas of lifting, load securing and high safety; many patented innovations such as the production of round slings or the tension belts with tension ratchet come from us. Other product highlights were the cut-resistant secutex coating and the Magnum round slings.

The beginning was the joint development of the car seat belt together with Volvo in Sweden in 1959. The demand for textile tapes made of synthetic man-made fibres was growing, so that SpanSet was founded in the 1960s.

SpanSet is an owner-managed and internationally operating group of companies with headquarters in Switzerland. More than 800 employees work for us, we have our own branches in more than 20 countries and agencies in almost all industrial countries of the world.



SpanSet secutex

SpanSet secutex Sicherheitstechnik GmbH was founded in 1982 by Heinz Franke and SpanSet GmbH.

At the beginning, the main focus was on the development of protective coatings for textile hoists and lashing equipment.

This was also the birth of secutex, secutex is a pseudonym for „Safe Textile“.

Over the years, secutex has developed into one of the largest processors of compact polyurethane and is a leading manufacturer of polyurethane-coated lifting belts and protective hoses today; over the years, pure polyurethane products such as technical moulded parts for mechanical engineering, rollers and roller coating, tine protection and surface protection have been added.

secutex is a highly wear-resistant polyurethane developed for lifting sharp-edged components and for surface protection of sensitive materials - such as coils and copper tubes.

New ideas are consistently implemented in new products. Today, almost all coil stores in Europe are equipped with secutex coil mats and secutex Coilprotect, the secutex protection is almost an industry standard for lifting and storing sharp-edged sheets.

All products are manufactured in Germany and distributed directly and worldwide via SpanSet branches and a large dealer network.



secutex Edge Protectors The protection against „sharp edges“

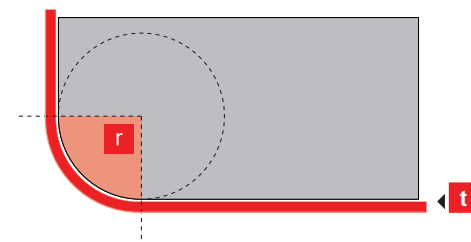
Alongside other factors such as temperature, chemical environment and mechanical loads, the „sharp edge“ remains one of the main causes of damage to the lifting accessory itself and frequent cause of accidents.

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.

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.

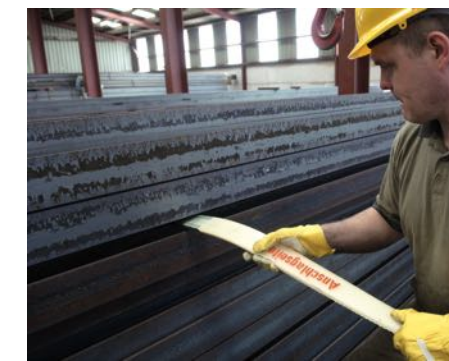
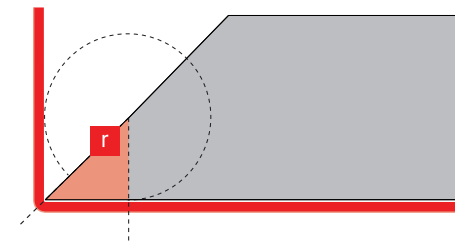


If the load moves laterally, a cutting movement takes place at the edge.

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.

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.



1. „Edge radius of the load“ [r]

is smaller than the

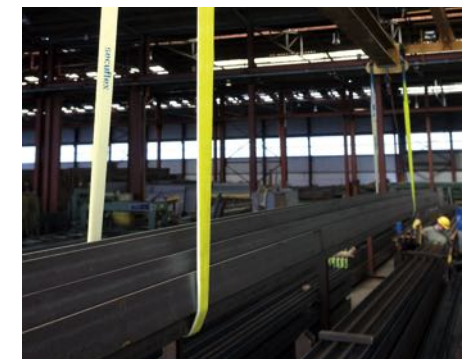
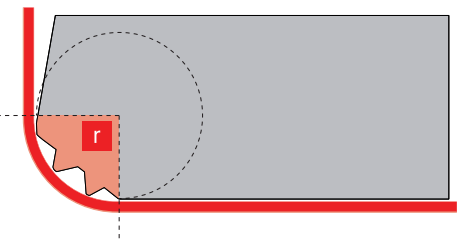
2. „Thickness of the lifting strap“ [t]

 $r < t$ = „sharp edge“

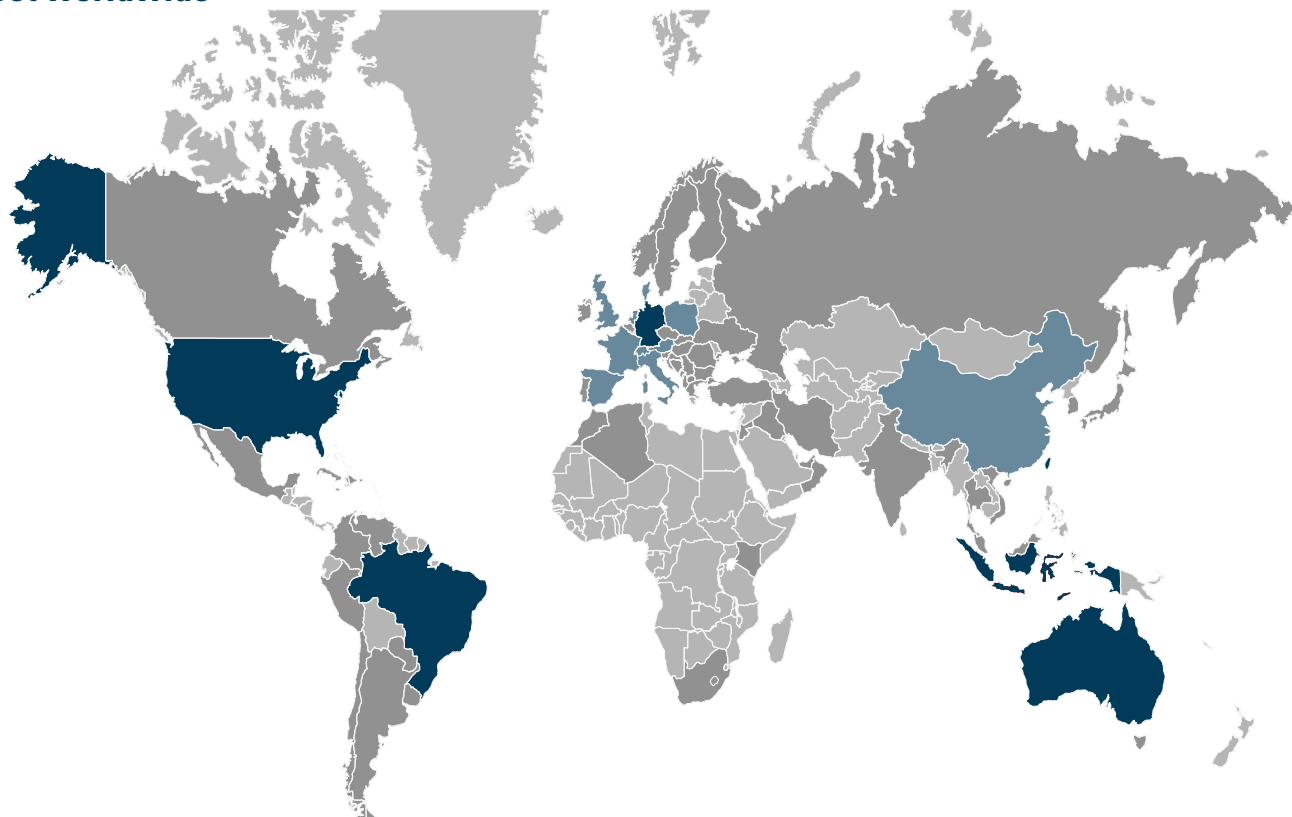
Sharp edge: Edge form

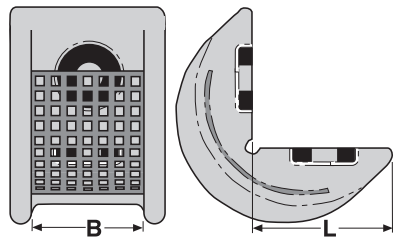
The form and surface of the edge have a significant effect on the durability of the lifting accessory. Very rough surfaces, such as tsleeve of pre-cast concrete products, can quickly damage the lifting strap or cable.

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.



SpanSet worldwide





SWH Edge protector for lifting straps

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

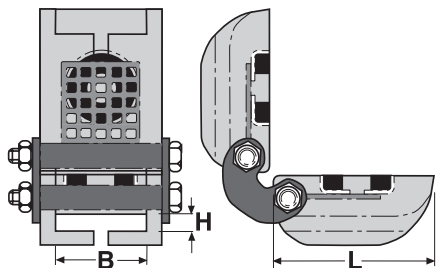
The advantages

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

Optionally available

- Magnets for simple mounting on magnetic loads

Type A	B max. [mm]	L max. [mm]	Weight ca. [kg]	Magnet per leg	Type B	B max. [mm]	L max. [mm]	Weight ca. [kg]	Magnet per leg	Type C	B max. [mm]	L max. [mm]	Weight ca. [kg]	Magnet per leg
without magnetic adhesion					Magnetic adhesion 1 leg					Magnetic adhesion 2 legs				
SWH-A-30	30	100	0	0	SWH-B-30	30	100	1	1	SWH-C-30	30	100	1	1
SWH-A-60	60		0	0	SWH-B-60	60		1	1	SWH-C-60	60		1	1
SWH-A-65	65		1	0	SWH-B-65	65		1	1	SWH-C-65	65		1	1
SWH-A-90	90		0	0	SWH-B-90	90		1	1	SWH-C-90	90		1	1
SWH-A-100	100	100	1,2	0	SWH-B-100	100	100	1,3	1	SWH-C-100	100	100	1,4	1
SWH-A-120	120		0	0	SWH-B-120	120		1	1	SWH-C-120	120		1	1
SWH-A-125	125	100	1,5	0	SWH-B-125	125	100	1,6	1	SWH-C-125	125	100	1,7	1
SWH-A-150	150		0	0	SWH-B-150	150		2	2	SWH-C-150	150		2	2
SWH-A-180	180		0	0	SWH-B-180	180		2	2	SWH-C-180	180		2	2
SWH-A-200	200		2	0	SWH-B-200	200		2,2	2	SWH-C-200	200		2,4	2
SWH-A-240	240		0	0	SWH-B-240	240		3	3	SWH-C-240	240		3	3
SWH-A-300	300	100	3	0	SWH-B-300	300	100	3,3	3	SWH-C-300	300	300	3,6	3



SK-B Hinged edge protectors for lifting straps

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

Type A	B max. [mm]	L max. [mm]	Weight ca. [kg]	Magnet per leg	Type B	B max. [mm]	L max. [mm]	Weight ca. [kg]	Magnet per leg	Type C	B max. [mm]	L max. [mm]	Weight ca. [kg]	Magnet per leg
without magnetic adhesion					Magnetic adhesion 1 Schenkel					Magnetic adhesion 2 Schenkel				
SKB-A-30	30	115	0,7	0	SKB-B-30	30	115	0,8	1	SKB-C-30	30	115	0,9	1
SKB-A-60	60	115	1,1	0	SKB-B-60	60	115	1,2	1	SKB-C-60	60	115	1,3	1
SKB-A-90	90	115	1,5	0	SKB-B-90	90	115	1,6	1	SKB-C-90	90	115	1,7	1
SKB-A-120	120		0	0	SKB-B-120	120		1	1	SKB-C-120	120		1	1
SKB-A-150	150	115	2,1	0	SKB-B-150	150	115	2,3	2	SKB-C-150	150	115	2,5	2
SKB-A-180	180		0	0	SKB-B-180	180		2	2	SKB-C-180	180		2	2
SKB-A-240	240		0	0	SKB-B-240	240		3	3	SKB-C-240	240		3	3
SKB-A-300	300		0	0	SKB-B-300	300		3	3	SKB-C-300	300		3	3



SK-BE Simple edge protectors for lashing belts

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

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



SK-K Hinged edge protector for chains

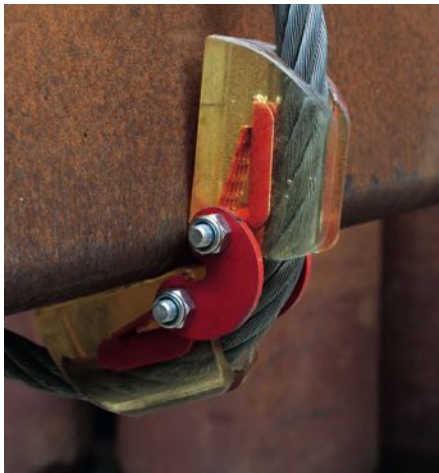
The attachment chain may only be used as an attachment accessory without edge protection if a 20% reduction in load lifting capacity is taken into consideration or if the next-largest chain thickness is used. Otherwise, a secutex SK-K hinged edge protector must be used.

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

	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



SK-D Hinged edge protector for cables

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

	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-2 Edge protector for heavy use

The SKDS hinged edge protector is a massive edge protector for cable grumets. 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.

The advantages

- Available in steel
- Very sturdy secutex material
- High-quality machined, not cast, manufacture

	Nominal cable thickness [mm]	Width [mm]	Bracket length [mm]
Steel			
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

SK-DE Simple edge protector for cables

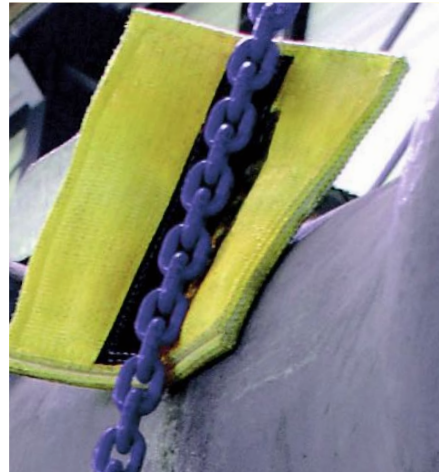
Even when securing the load, the cable must be protected against the „sharp edge“. High-value loads may not be damaged by the cable. The secutex SK-DE simple edge protector is simply placed onto the cable via the slit on the reverse side, making it impossible to lose. The edge protector is light and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

	Nominal cable thickness [mm]	Inside diameter [mm]	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





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



	Width [mm]	Length [mm]
P2P-120	120	300
P2P-150	150	300
P2P-180	180	300
P2P-200	200	300
P2P-240	240	300
P2P-300	300	300
P2P-480	480	600
P2P-600	600	600



SWK secuwave edge protectors

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

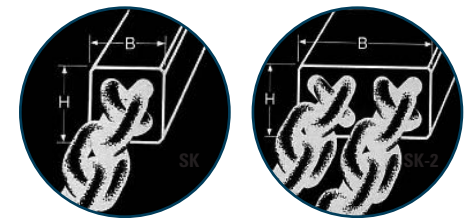
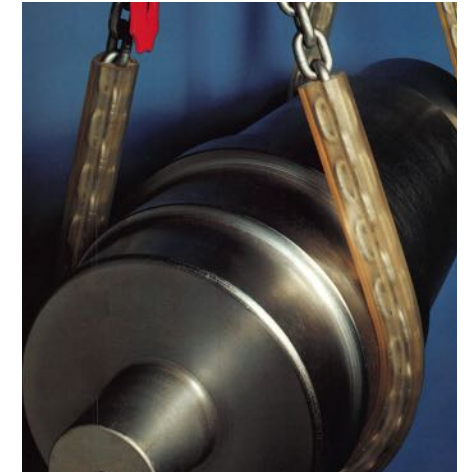
	Width [mm]	Length [mm]
SWK-200	200	300
SWK-250	250	300
SWK-300	300	400
SWK-400	400	400
SWK-500	500	500
SWK-600	600	500

secutex Chain sleeve

The secutex chain sleeve protects the chain (sand blasting) and the slinger. The protective sleeve is not well suited for intensive use and for transporting sharp-edged parts due to the high surface pressures and the lack of reinforcement.

Please note: The chain sleeves are designed for chains grade 8. For the RUD-VIP chain, please select the next larger secutex sleeve.

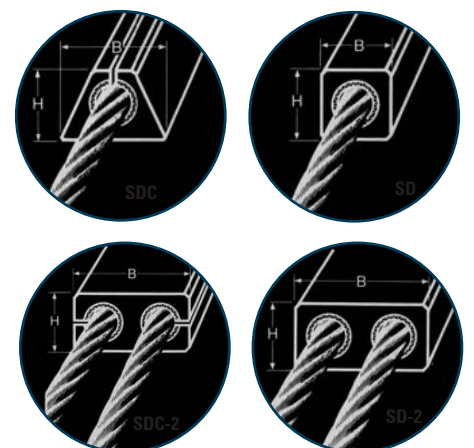
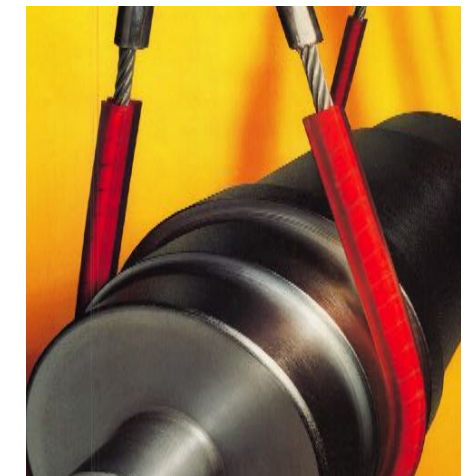
	suitable for chain	Height [mm]	Width [mm]
SK-6	6-8	27	27
SK-8	8-8	33	33
SK-10	10-8	38	38
SK-13	13-8	50	50
SK-18	18-8	63	63
SK-20	20-8	74	74
SK-22	22-8	89	89
SK-6-2	6-8	27	50
SK-8-2	8-8	33	64
SK-10-2	10-8	38	76
SK-13-2	13-8	50	100
SK-18-2	18-8	63	126
SK-20-2	20-8	74	148
SK-22-2	22-8	89	178



secutex-Drahtseil-Schlauch

The protective sleeve is not well suited for intensive use and for transporting sharp-edged parts due to the high surface pressures.

	Inside diameter [mm]	Height [mm]	Width [mm]	Weight per meter [kg]
SD-8	8	18	18	0,27
SD-10	10	20	20	0,32
SD-12	12	22	22	0,37
SD-14	14	26	26	0,52
SD-16	16	29	29	0,64
SD-18	18	33	33	0,83
SD-20	20	37	37	1,06
SD-22	22	41	41	1,30
SD-24	24	44	44	1,48
SD-26	26	48	48	1,77
SD-28	28	51	51	1,99
SD-30	30	59	59	2,77
SD-36	36	66	66	3,34
SD-40	40	74	74	4,22
SD-8-2	8	18	36	0,55
SD-10-2	10	20	40	0,64
SD-12-2	12	22	44	0,74
SD-14-2	14	26	52	1,04
SD-16-2	16	29	58	1,28
SD-18-2	18	33	66	1,67
SD-20-2	20	37	74	2,11
SD-22-2	22	41	82	2,60
SD-24-2	24	44	88	2,97
SD-26-2	26	48	96	3,55
SD-28-2	28	51	102	3,97
SD-30-2	30	59	118	5,55
SD-36-2	36	66	132	6,68
SD-40-2	40	74	148	8,44
SDC-8-2	8	18	36	0,55
SDC-10-2	10	20	40	0,64
SDC-12-2	12	22	44	0,74
SDC-14-2	14	26	52	1,04
SDC-16-2	16	29	58	1,28
SDC-18-2	18	33	66	1,67
SDC-20-2	20	37	74	2,11
SDC-22-2	22	41	82	2,60
SDC-24-2	24	44	88	2,97
SDC-26-2	26	48	96	3,55
SDC-28-2	28	51	102	3,97
SDC-30-2	30	59	118	5,55
SDC-36-2	36	66	132	6,68
SDC-40-2	40	74	148	8,44



	Inside diameter [mm]	Height [mm]	Width [mm]	Weight per meter [kg]
SDC-10	10	23	36	0,60
SDC-12	12	23	36	0,60
SDC-14	14	29	44	0,85
SDC-16	16	29	44	0,85
SDC-18	18	25	52	1,20
SDC-20	20	35	52	1,20
SDC-22	22	39	59	1,45
SDC-24	24	39	59	1,45

