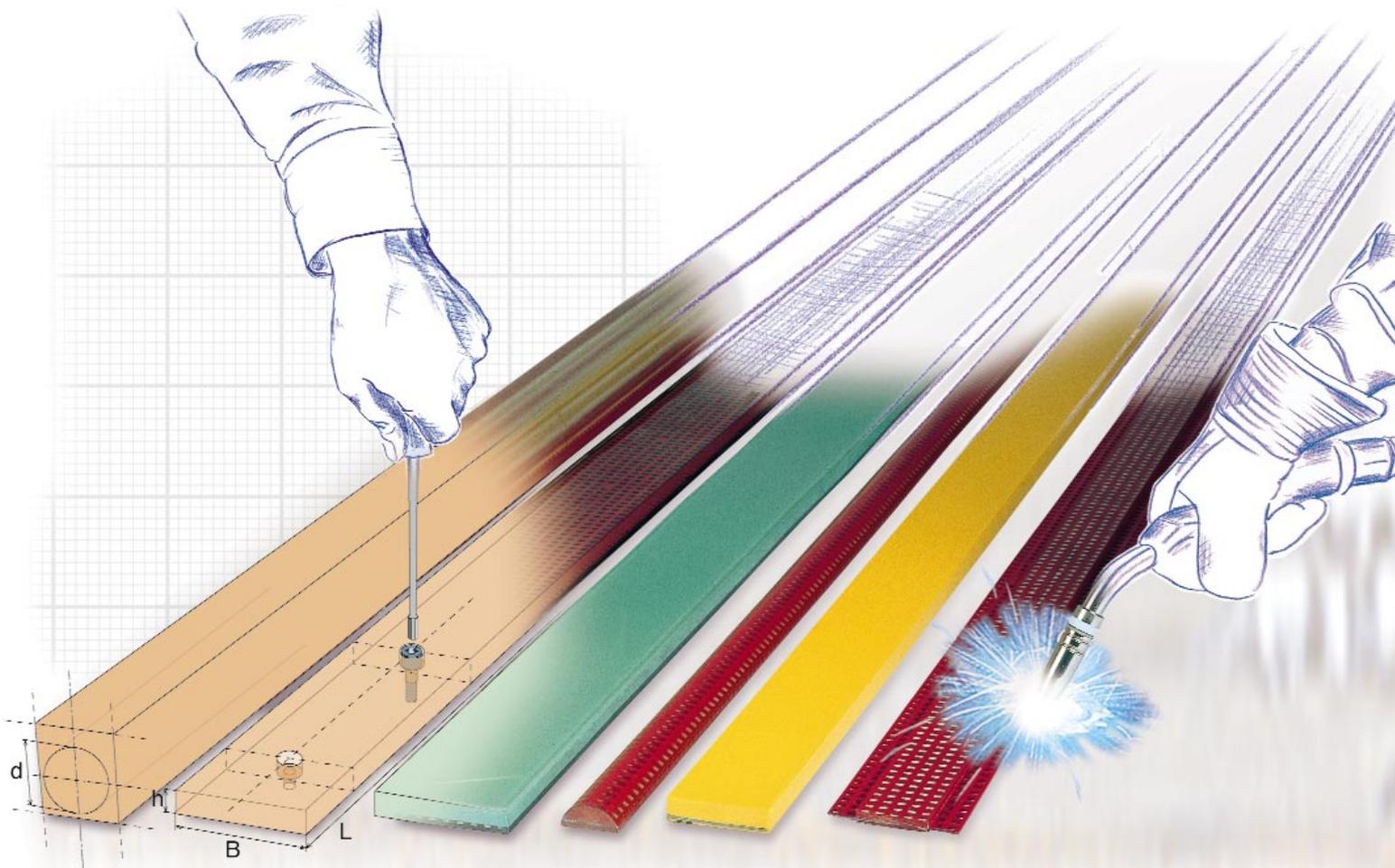
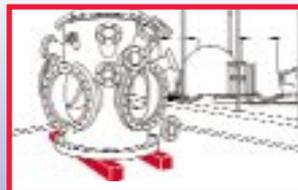
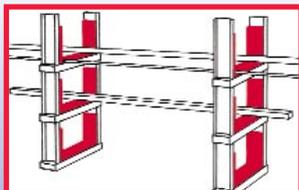
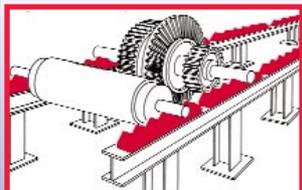


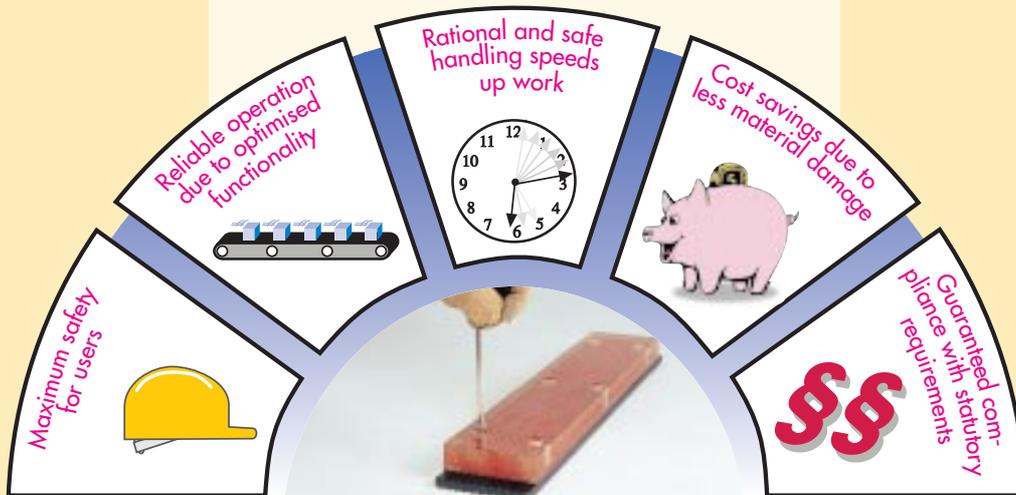
# Impact Protection Catalogue



**AN EXTRA LAYER OF PROTECTION**



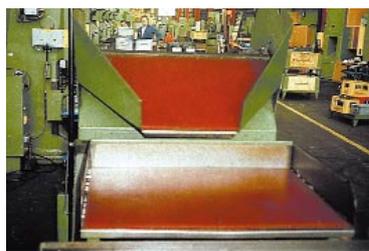
# secutex®- impact protection – that counts!



Damage caused as a result of not having impact protection represents a significant part of the overall costs of a product. The main causes are carelessness, negligence and incorrect handling.

The result is preventable damage to goods and stock. But also downtime as a result of injuries or noise damage is a cost factor that is easily forgotten but has a considerable effect on profits.

secutex reduces unnecessary costs and removes hazards.



### An everyday occurrence:

A chute filled with metal parts is emptied into a container for further processing. The sudden noise startles staff in the works hall and disrupts their concentration.

**Result:** In a works hall with 20 employees, loud thudding noises occurring every 10 minutes will result in the loss of at least 100 work hours per year (acc. to statistics).

Take action now! secutex will considerably reduce any noise problems.

## What advantages does secutex® offer your company?



### Familiar scenario?

*Trouble ahead!*

*Your second best driver is driving the fork lift truck. He selects the reverse gear, places his*

*foot on the accelerator, accelerates and bang – the forklift truck loaded with expensive products crashes into a shelf unit ...*

**Result:** *Goods are damaged, the shelf unit is deformed, the forklift truck has broken down. Waiting for a repair service, unloading an entire shelf unit, the works look like a building site ... lost time and money. Even if some of the damage is covered by insurance, the result is annoying.*

*Ensure that secutex impact protection is installed everywhere where goods and stock are to be protected against accidental impact: A solution that pays for itself.*

## Benefit from our expertise. Take advantage of our know-how!

	Page	
secutex – different types	4-5	
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secutex is a registered trademark of Spanset-secutex GmbH

Subject to technical alteration.

## This is secutex® ...

secutex is an excellent polyurethane elastomer with a particularly advantageous combination of physical and chemical properties:

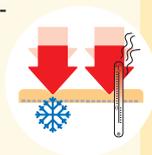
### High structure retention

i.e. compared to other chemical materials, secutex has an extremely high tensile strength. The secutex material can be stretched to 500 % of its original length without breaking.



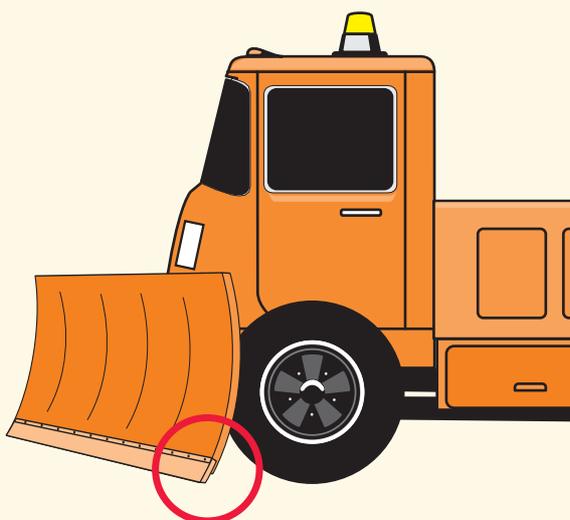
### High flexibility

i.e. compared to conventional rubber, secutex offers a considerably higher flexibility. And even under extreme temperature fluctuations, secutex remains flexible.

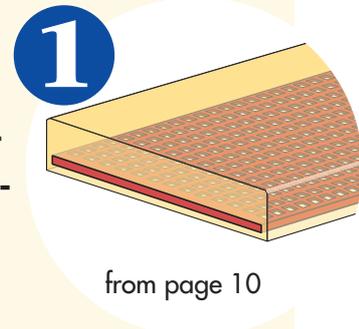


### Extremely hard wearing

i.e. secutex is practically indestructible. In wet wear-resistance tests, secutex fared better than many metals.



## ... and these are the different types:



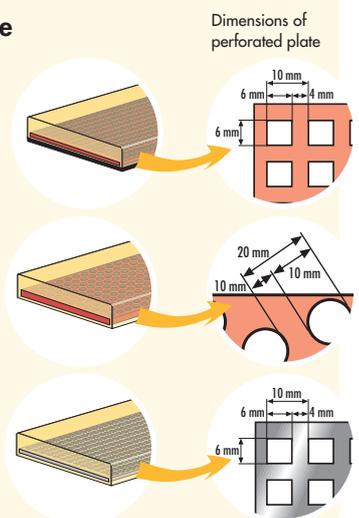
from page 10

### Advantages:

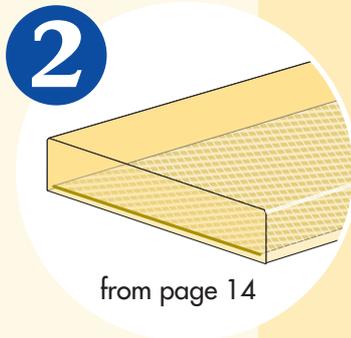
- Perforated plate insert serves as reinforcement
- No longitudinal or cross expansion
- Secure seat due to bolting, riveting, nailing or welding
- In the case of welding, no expensive accurately repetitive drilling is required
- Protruding perforated plate inserts facilitate welding

### The right perforated plate for every dimension

- Perforated plate welded to sheet steel
- secutex with (d = 5 mm) extra sturdy perforated plate
- secutex with (st. st.) stainless steel perforated plate ideal for the food processing and chemical industry



## secutex® impact protection including fabric insert

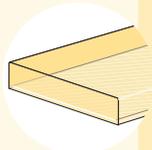


### Advantages:

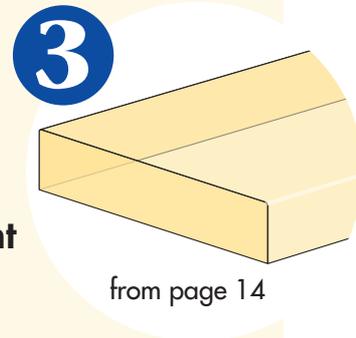
- The fabric insert enhances stability without adversely affecting flexibility
- Extremely flexible material, easily adaptable to site conditions
- Little extension in longitudinal and lateral direction
- Retains shape in case of sharp edges
- High elasticity also under high linear loading
- Excellent shape restoring ability
- Easy installation by bonding, bolting with large sheet metal panels or flat steel

### Select from our matching accessories:

- secutex with internal fibreglass reinforcement – even more resistant
- secutex ramp fender – extremely high energy absorption capability



## secutex® impact protection without reinforcement



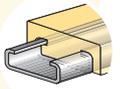
### Advantages:

- Easily adaptable to site conditions
- secutex offers maximum flexibility
- Simple installation by bonding

## Special types:

- Thin Powerflex coating on galvanised P1 sheet metal
- secutex profile incl. C rail. Install C rail and simply insert secutex profile
- secutex-coated rollers
- secutex castings produced from customer drawings (custom made)
- secutex hollow profile, semicircular, etc.
- secutex transportation holders and pipe straightening equipment

4

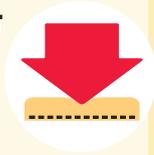


... and much more. Give us a call!  
We provide the right solutions!

# secutex® – simply effective!

## 1. The impact reduction effect

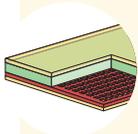
Hope for the best – expect the worst ...



Where forces clash, something normally has to give. Impact damage to goods, materials and stock is often caused by carelessness, negligence, foolishness, incorrect handling or inadequate protection. Accidents are unpredictable. Consequently everything should be done to prevent any losses.

### Rule of thumb for impact protection:

The more rigid and thinner the secutex material, the lower the impact-reducing (elastic) protection. The thicker and wider the secutex material, the more secure the impact-reducing protection.



Additional foam layers or hollow sections deforming in case of an impact, increase impact resistance.

## 2. Noise-reduction effect

Who does not want to avoid noise whenever possible?



Did you know that 60 % of all occupational illnesses are caused by noise? Even brief peaks exceeding 140 dB or prolonged noise exceeding 70 dB (A) can permanently damage one's hearing.

And that could prove to be expensive! Statistics have repeatedly shown: Staff illness or disability at work costs money. Do not leave it until it is too late! Protect your staff and your company. Use secutex impact protection.



## 3. Anti-slip protection

secutex prevents loads from slipping during transportation



In tests, secutex scored highest compared to all other similar materials. secutex not only fulfils the standard but exceeds the coefficient of friction regarded as the standard.

Guide values for dry friction

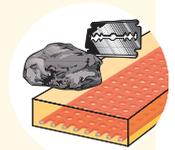
Shore A hardness	secutex 75°	secutex-yellow 55°/75° 90°	
Friction coefficient	0,3-0,4 $\mu$	0,3-0,4 $\mu$	0,15-0,25 $\mu$



In case of wet or oily surfaces, we recommend secutex with textured surfaces. This ensures that the direct material contact is restored.

## 4. Long-term effect

secutex offers a high wear and tear resistance



A high cutting resistance ensures extra long life. In the case of high pressure loading and extreme flexing, we recommend the use of harder materials.

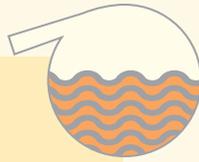
secutex equipped with fabric or fibre glass reinforcement offers a higher wear and tear resistance than secutex without reinforcement.

# Technical specification

## Chemicals do not affect secutex®

secutex is not affected by most standard chemicals. This was proven by a 200-hrs. test at 20 °C. Short-time exposure does not affect the material.

- 1 Reduction of mechanical values 0-5 %
- 2 Reduction of mechanical values 5-15 %
- 3 Reduction of mechanical values >15 %



Where secutex is to be exposed to other materials, we recommend carrying out an initial test.

Please request secutex material samples.

Shore A hardness A (tolerance ± 5°)	DIN	secutex 75°	secutex-yellow 55°, 75°, 90°
Formic acid	2 %	1	1
	5 %	2	2
	10 %	2	2
Ammonia	5 %	1	1
Boric acid	4 %	1	1
Bleach	3 %	1	1
Ethanoic acid	2 %	1	1
	5 %	2	2
	10 %	2	2
Formaldehyde	37 %	3	3
Tannic acid solution	20 %	1	1
Caustic potash solution	20 %	3	3
Salt solution	10 %	1	1
Linseed fatty acid		1	1
Methanol		3	3
Dichloromethane		3	3
Lactic acid	45 %	2	2
Caustic soda lye	10 %	2	2
	40 %	2	2
	50 %	3	3
Phosphoric acid	25 %	2	2
	50 %	2	2
Hydrochloric acid	10 %	1	1
Nitric acid	10 %	3	3
Sulphuric acid	10 %	1	1
	25 %	2	2
	50 %	3	3
Soda solution	20 %	2	2
4-star petrol		3	3
Hydrogen peroxide	10 %	1	1
Xylene		3	3
Citric acid	10 %	3	3
Sugar solution	30 %	1	1

## Long life

secutex yellow including hydrolysis stabiliser can be exposed to any weather condition – without problem.

Where secutex is to be used in safety areas, the manufacturer must be contacted.

Shore A hardness (tolerance ± 5°)	secutex 75°	secutex-yellow 55°	secutex-yellow 75°	secutex-yellow 90°	Norm
Hydrolysis stabilised	no	yes	yes	yes	
Density	1,22 g/cm <sup>3</sup>	1,21 g/cm <sup>3</sup>	1,22 g/cm <sup>3</sup>	1,23 g/cm <sup>3</sup>	DIN 53505
Tension					
100 % elongation	6,5 N/mm <sup>2</sup>	1,15 N/mm <sup>2</sup>	3,32 N/mm <sup>2</sup>	5,25 N/mm <sup>2</sup>	DIN 53504
300 % elongation	9,5 N/mm <sup>2</sup>	1,65 N/mm <sup>2</sup>	5,25 N/mm <sup>2</sup>	8,29 N/mm <sup>2</sup>	DIN 53504
Tensile strength	37,5 N/mm <sup>2</sup>	19,5 N/mm <sup>2</sup>	34,2 N/mm <sup>2</sup>	38,5 N/mm <sup>2</sup>	DIN 53504
Elongation at break	500 %	640 %	475 %	470 %	DIN 53504
Resistance to tear propagation	27 N/mm <sup>2</sup>	15,8 N/mm <sup>2</sup>	35,0 N/mm <sup>2</sup>	55,2 N/mm <sup>2</sup>	DIN 53515
Rebound resilience	40 %	61,5 %	40,4 %	30,4 %	DIN 53515
Abrasion	50 mg	21 mg	35 mg	36 mg	DIN 53516
Pressure deformation test					
72 h at 23 °C 25 % compression	11,40 %	55,1 %	9,1 %	41,6 %	DIN 53517
24 h at 70 °C 25 % compression	29,40 %	19,9 %	8,9 %	10,0 %	DIN 53517
Application temperature*	-40 °C to 100 °C	-20 °C to 80 °C	-20 °C to 80 °C	-20 °C to 80 °C	DIN 53457
Surface resistance	10 <sup>10</sup> -10 <sup>13</sup>	DIN 53482			
Volume resistance	10 <sup>11</sup> -10 <sup>14</sup>	DIN 53482			
Contraction during processing	1-2 %	1-2 %	1-2 %	1-2 %	

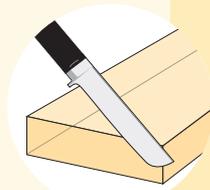
\*) Disintegrates at temperatures of over 150 °C, does not melt (request our separate fire information sheet)

# secutex® - easy to work with!

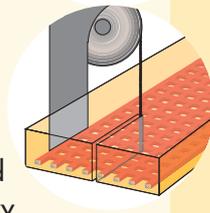
It is just one of the material's characteristics. As all other PUR products, secutex also experiences a volume reduction of 1-3 % during processing. secutex castings comply with the tolerances of M3 DIN 7715. Casting elements can be optimised in order to obtain accurate results. Our CNC-controlled processing machines also allow an extremely accurate mechanical tolerance.

## Cutting and sawing

Want to cut or saw secutex yourself? Just ensure that blades are extra sharp for cutting secutex.



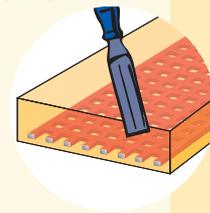
A band saw can be used to saw the secutex material. Due to the excellent abrasion properties, the material attempts to withstand or evade the cutting tool. Ensure a low wedge angle and adapt the cutting speed, where necessary.



## Chiselling

Knife-like implements as used for woodworking are best suited for this purpose.

**Important!** The tool angle should be 15°. It is recommended to use a drilling emulsion for preparing the surface and cooling.

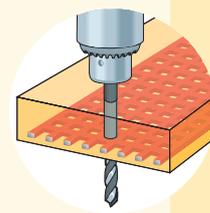


## Drilling/thread cutting

No special tools are required. Normal wood and metal drills suffice.

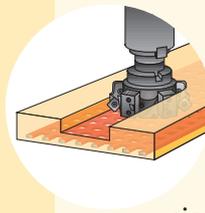
**Important!**

Cutting speed approx. 40 m/min., advance approx. 0.01-0.03 mm/rev. In the case of low shore hardness, secutex can evade the tool. The hole could therefore be up to 5 % smaller.



## Milling

Use standard milling cutters with a low number of teeth.

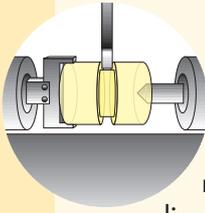


**Important!** Peripheral speed approx. 200-400 m/min, clearance angle  $\alpha$  10°, effective cutting angle  $\gamma$  25°.

It is recommended to use a drilling emulsion for preparing the surface and cooling.

## Turning

For this purpose, standard SS turning chisels can be used (tool angle 12°,  $\beta = 53^\circ$ ,  $\gamma = 25^\circ$ ).

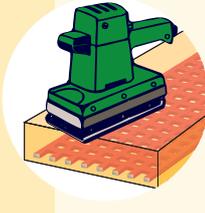


**Important!** Cutting speed approx. 300-500 m/min, hardness < 80° Shore A, 100-200 m/min, hardness < 90° Shore A. Advancing speed approx. 0.1-0.2 mm/U. It is recommended to use a drilling emulsion for preparing the surface and cooling.

The harder the secutex material, the better the surface quality. For finishing, the use of a belt grinder is recommended.

## Grinding/roughening

secutex can be easily ground with grinding machines or belt grinders (standard grain size or ceramic bonding).



**Important!** Grinding speed of approx. 30-50 m/sec. Wet grinding is recommended. Note: a wire brush can also be used for roughening.

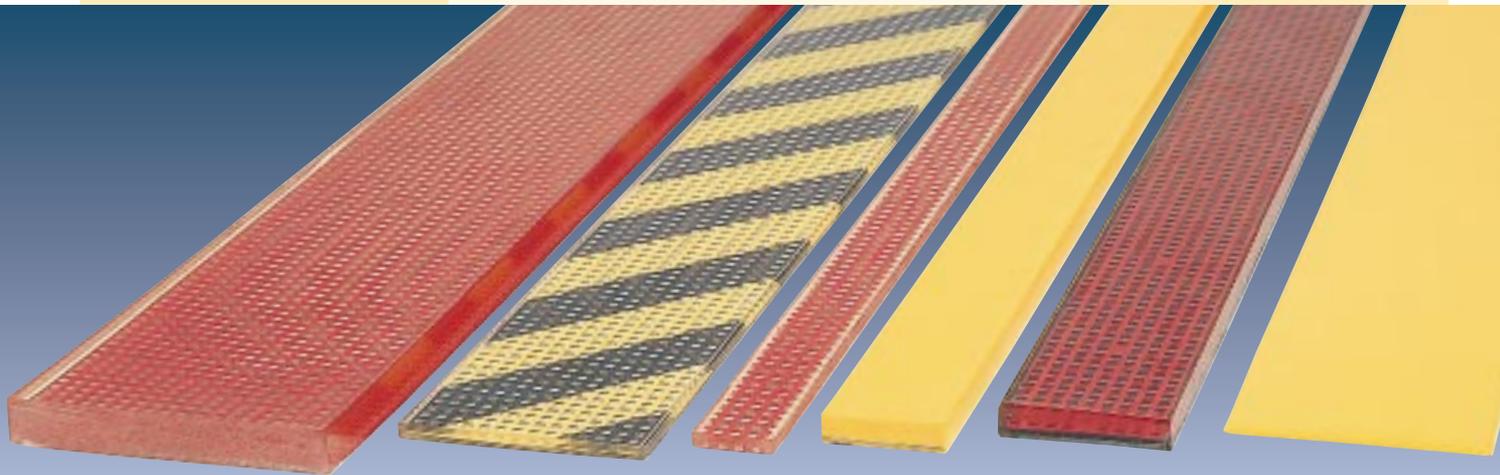


**secutex-service:** Holes, stepped holes and threads are already included during production in accordance with customer requirements and stipulated exact dimensions. Stamping work can also be carried out.

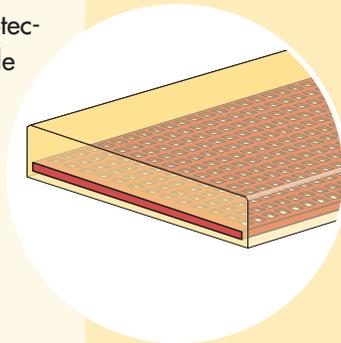
## secutex® - a versatile product – application options

Sector	Area of application	Product	Important advantages
<b>Pipe manufacturers</b>	Pipe straightening plants Discharge systems Impact protection Rollers	secutex pipe module secutex impact protection flat secutex impact protection hollow secutex roller coating	Protection of pipe ends, noise protection Protection of pipes Noise protection Excellent reliability due to perfectly adapted solutions
<b>Steel and rolling mills</b>	Coil support Coil storage Coil transportation Coil hooks	secutex impact protection flat mobile coil store secutex magnet protector secutex impact protection flat	Protection of high-quality coils Protection of high-quality coils, H & S at work Protection of coil sides during handling
<b>Wire manufacturers</b>	Wire guides Fork lift truck mandrills	secutex impact protection flat secutex pipe module	Noise protection Protection of high-quality wires, H & S at work
<b>Punching and screw production</b>	Material chutes	secutex impact protection flat	Noise protection, protection of material
<b>Power plants</b>	Storage of machine components Pipe transportation	secutex support beam secutex transportation holders	Can be decontaminated, long life, does not break (in contrast to wood) Safe transportation of pipes and round material
<b>Automotive industry</b>	Coil support Coil storage Transportation racks Transportation racks Feed units	secutex impact protection flat mobile coil store adapted special profiles Powerflex panel adapted special profiles	Protection of high-quality coils, no impression in coils – no material is broken out when stamping chassis parts Protection of high-quality coils, H&S at work Transportation parts (adapted profiles) are not damaged, cost-effective due to highly rational fixing options, safe transportation due to excellent friction Rationally processable on sheet metal machines (cutting, punching, edging, rolling, etc.) Cost-effective due to ready-cast load carrier (no mechanical processing required)
<b>Stainless steel, brass, nickel, aluminium</b>	Coil support storage racks, shelves	secutex impact protection flat secutex impact protection flat	Protection of high-quality coils, no contact corrosion Protection of high-quality surfaces, no indentations
<b>Glass-processing companies</b>	Work surfaces Storage racks	secutex impact protection semicircular secutex impact protection flat	Non-slip work surfaces, fragments fall into gaps – high quality frames and glass surfaces are not scratched Easily damaged edges are protected
<b>Heavy machinery and steel construction</b>	Turning blocks	secutex turning mats	Safe turning of heavy components, no uncontrolled slipping of loads, long life, does not break (in contrast to wood)
<b>General mechanical engineering</b>	Guide strips Feed units Rollers	secutex profile adapted special profiles secutex roller coating	Cost-effective due to rational fixing options, no mechanical processing required Cost-effective due to ready-cast load carrier (no mechanical processing required) Excellent reliability due to perfectly adapted solutions
<b>Precision mechanics</b>	Work surfaces	secutex impact protection flat	Perfect "indestructible" work table, anti-slip work surface
<b>Logistics, forwarders</b>	Loading ramps Shelves, posts, corners	secutex ramp fender secutex ramming protection	Long life, excellent impact resistance Shelf supports are no longer damaged by fork lift trucks, no more downtime caused by replacing damaged shelves
<b>Food industry</b>	Walls, posts, corners Fork lift transportation of frozen products Fork lift transportation of plastic boxes and stainless steel containers	secutex flat and ramming protection secutex fork protection with textured surface secutex fork protection with textured surface	No more damage to walls Safe non-slip transportation of pallets Non-slip

# secutex® – impact protection for bolting and riveting



Our most popular product – secutex impact protection including perforated plate. Easy and flexible to use and safely secured with the perforated plate serving as reinforcement. Providing a universal impact protection in next to no time.



### Advantages of the perforated plate insert:

- The perforated plate insert prevents longitudinal and lateral extension.
- Simple to secure by bolting, riveting, nailing

### Areas of application:

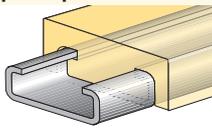
- Walls, floors, surfaces to be protected, transportation equipment
- Everywhere, where goods are to be protected
- Reduces wear
- Noise protection, anti-ramming protection

### Examples:

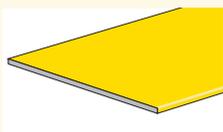
- Collecting troughs
- Sheet metal boxes
- Marina jetties
- Coil hooks
- Corner protection
- Grippers
- Lifting trucks
- Ramp protection
- Stackers
- Wall and surface protection



Special products:

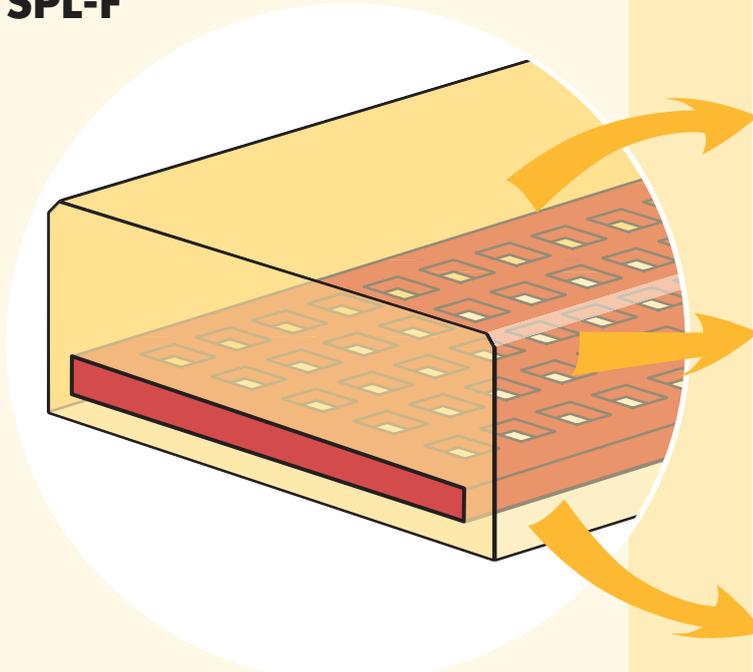


C rail small/large (page 11, fig. 2)

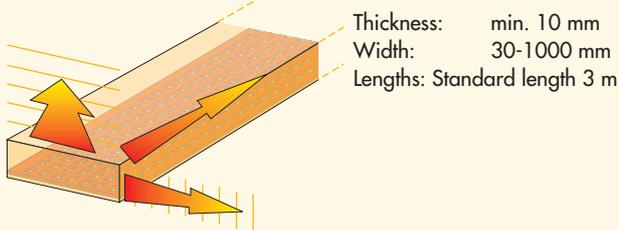


P1 sheet steel

# SPL-F



## Dimensions



## Available options

Surface	Optional textured surfaces		
Smooth	Polished	Fabric	Pyramid

PUR options	Surface hardness
secutex - standard	75° Shore A
secutex-yellow:	55° Shore A
secutex-yellow:	75° Shore A
secutex-yellow:	90° Shore A

Perforated plate options	
Perforated plate – standard	
Perforated plate – standard, welded onto sheet steel base	
Perforated plate, heavy duty version	
Perforated stainless steel plate	

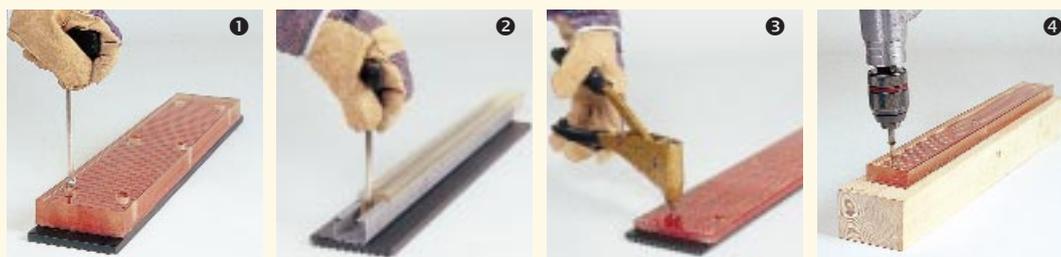
Perforated plate paint	Type
Standard	red
Special paint	black/yellow

**i** Use the comprehensive enquiry form at the end of this catalogue to determine your special requirement.

## Fixing options

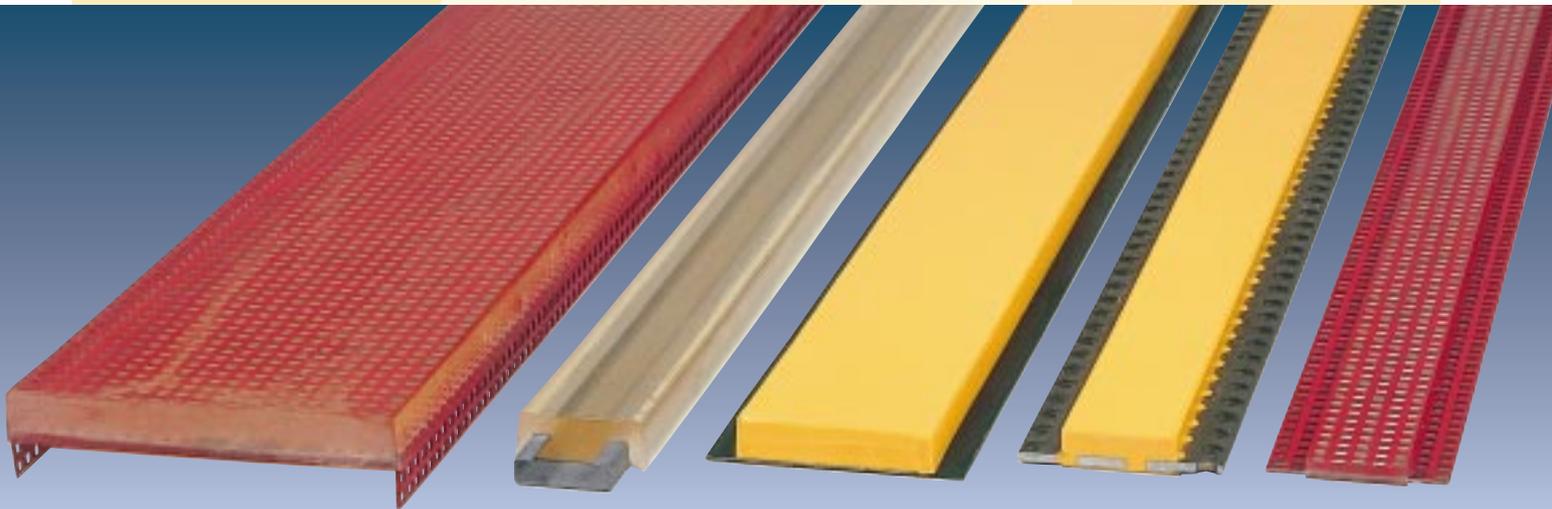
Machine bolt + nut	Hexagon socket screw + thread	Hexagon socket screw + wall plug	Rivet from front	Blind rivet	Wood screw from front	Spax screw from front, w/o drilling

## Application examples

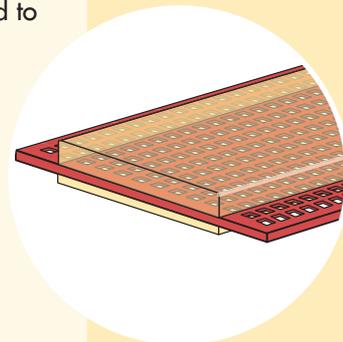


**i** For further fixing information, see secutex installation booklet.

# secutex® – welded impact protection



Conditions are not always the same with regard to impact protection requirements and fixing options. The product must be flexible. secutex provides a solution for all applications. Welding is often the most simple and secure fixing method. The different perforated plate types allow a wide range of applications.



### Advantages

- Simply weld to work piece
- No accurate repeated drilling is required
- No holes in secutex impact protection material
- Completely smooth impact protection surfaces

### Areas of application:

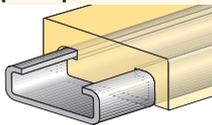
- On all metal surfaces
- On thin metal walls
- Everywhere, where material cannot be bolted or no holes can be drilled

### Examples:

- Collecting troughs
- Sheet metal boxes
- Containers
- Grippers
- Lifting trucks
- Ramp protection
- Side railings
- Stackers
- Support protection
- Fork protection

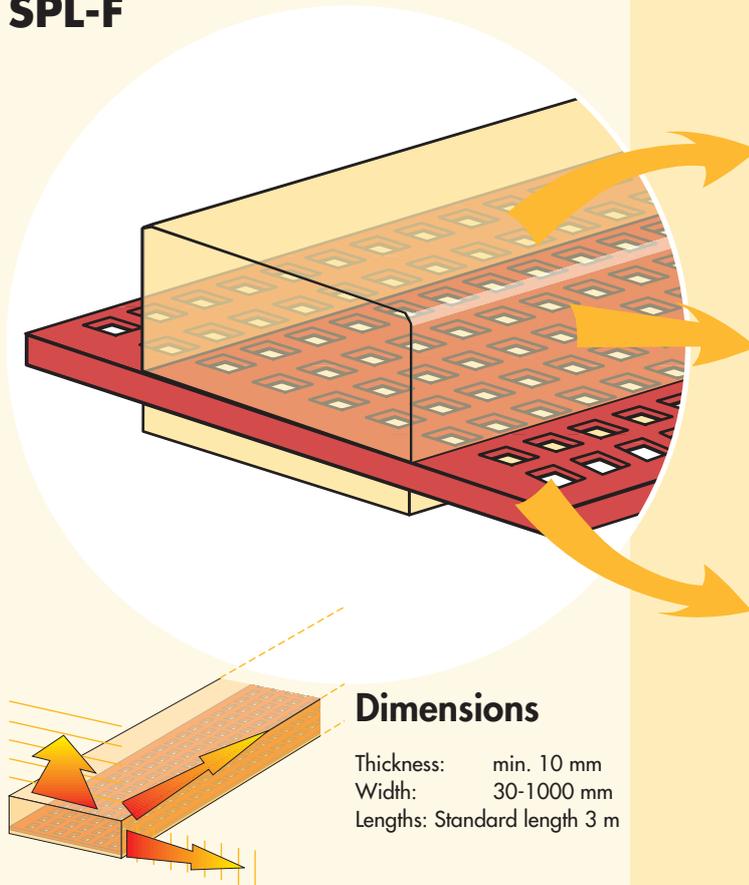


Special products:



C rail small/large

# SPL-F



## Dimensions

Thickness: min. 10 mm  
 Width: 30-1000 mm  
 Lengths: Standard length 3 m

## Available options

Surface	Optional textured surfaces		
Smooth	Polished	Fabric	Pyramid

PUR options	Surface hardness
secutex – standard	75° Shore A
secutex-yellow:	55° Shore A
secutex-yellow:	75° Shore A
secutex-yellow:	90° Shore A

Perforated plate options	
<b>Perforated plate – standard</b>	
Perforated plate – standard, welded onto sheet steel base	
Perforated plate, heavy duty version	
Perforated stainless steel plate	

Perforated plate paint	Type
Standard	red
Special paint	black/yellow

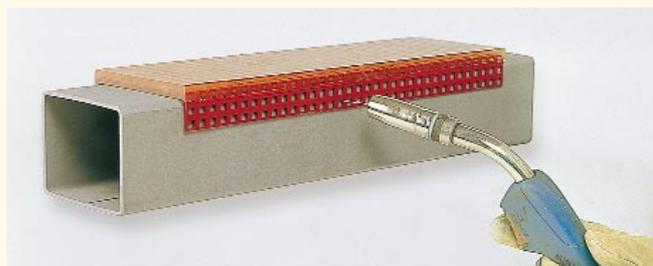
## Fixing options

Perforated plate protruding over sides	Perforated plate, protruding over sides, angled 90°	Plate protruding over sides	Plate, protruding over sides, angled 90°	C rail small/large

## Welding instructions

Please observe the pre-treatment of the surfaces, the characteristic of the welded material and the welding

time! Also ensure that the secutex material is protected against welding splatter. For further fixing information, see secutex installation booklet.



# secutex® – bonded impact protection



Where screwing or welding is not possible, simply glue secutex to areas where impact protection is required. No problem for the special secutex adhesive. secutex – the gentle answer to strong impact forces.

#### Advantages:

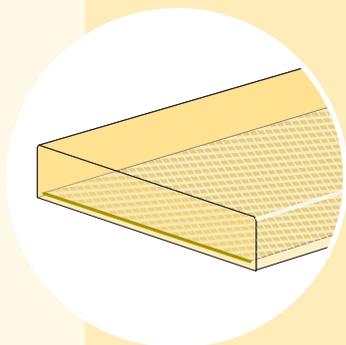
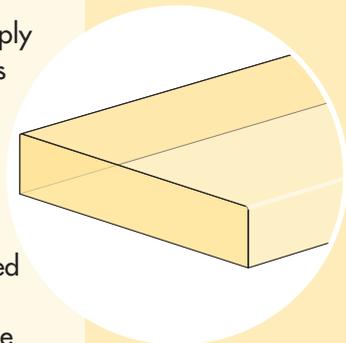
- Can be used (nearly) everywhere as it is glued
- No drilling or welding required
- Glue where welding or screwing is impossible

#### Areas of application:

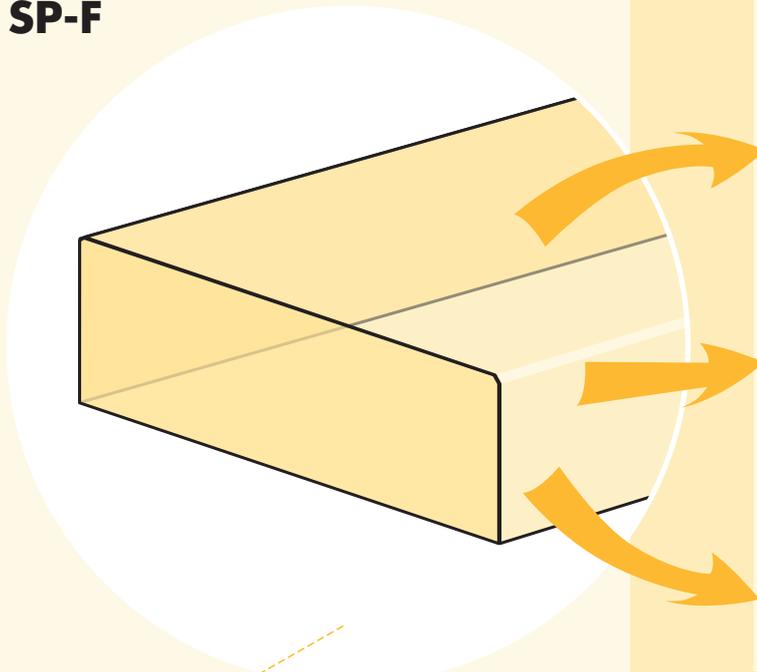
- Thin to medium thick wooden surfaces
- Glass
- Sound-absorbing elements
- Valuable precious wood surfaces

#### Examples:

- Refrigerated rooms
- Painted, veneered walls and surfaces
- Sound studios
- Steel construction
- ... and particularly to meet your requirements



# SP-F

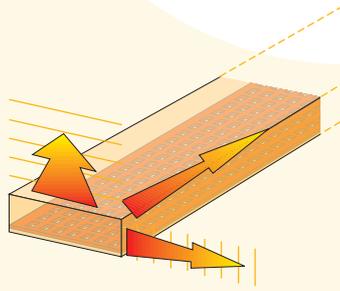


## Available options

Surface	Optional textured surfaces		
Smooth	Polished	Fabric	Pyramid

PUR options	Surface hardness
secutex - standard	75° Shore A
secutex-yellow:	55° Shore A
secutex-yellow:	75° Shore A
secutex-yellow:	90° Shore A

Perforated plate options	
Without reinforcement SP-F	
Reinforced with fabric SPG-F	
Reinforced with fibreglass SPG-F	



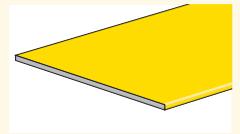
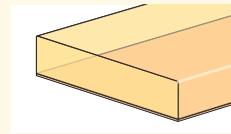
## Dimensions

Thickness: min. 10 mm  
 Width: 30-1000 mm  
 Lengths: Standard length 5 m



secutex with Velcro tape P1 fabric

Special products:



## Special adhesive



Universal, tension-compensating construction adhesive. Easy to use during installation as two-component system.



## Gluing instructions

Grind down base material



Clean contact areas with a cloth



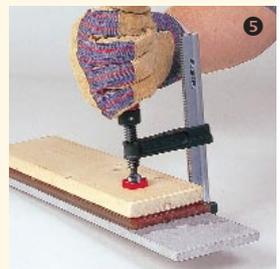
Apply adhesive roughly to all areas\*



Spread adhesive film evenly\*



Clamp glued materials together



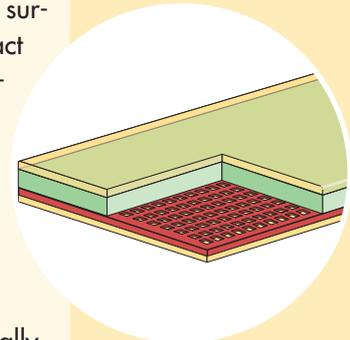
**!** Observe safety instructions!

\*) Apply the adhesive to one and the hardener to the other contact surface. The adhesive only starts bonding when the contact areas are placed together. In this way, the best possible application is guaranteed!

## secutex®-active impact protection



secutex soft easily absorbs impacts, offering vital surface protection. Sturdy but at the same time impact resistant. Due to its flexible impact-protection layer, secutex soft is particularly suited for sensitive goods and objects with uneven surfaces. secutex soft offers effective impact resistance even under medium loading.



### Advantages:

- Particularly suited for sensitive goods
- Anti-ramming and impact protection layer ideally suited for all applications
- Noise/sound reducing
- Light in weight

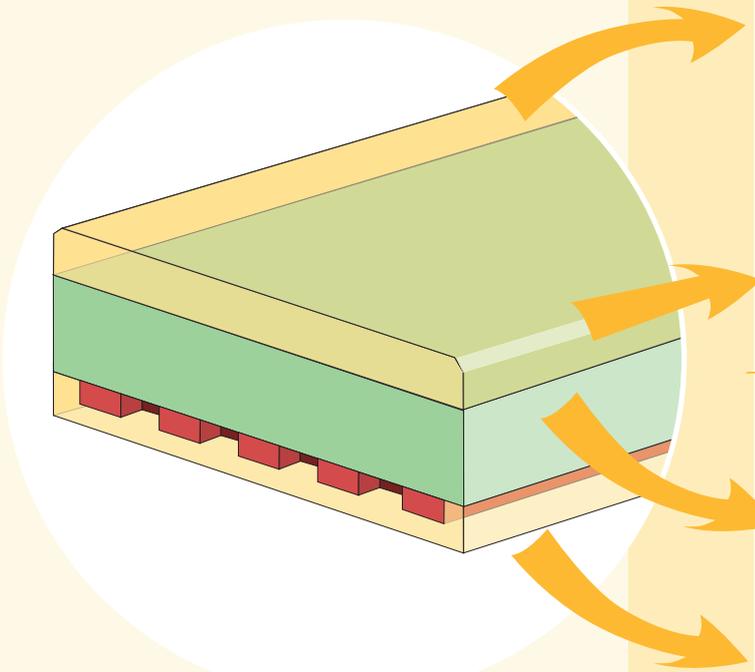
### Areas of application:

- Exit/entrance areas and corridors
- Brickwork or concrete manufacturers
- Logistics sector
- Walls of stairwells
- Anti-slip protection during transportation

### Examples:

- Loading areas – rail, lorries, aviation, shipping
- Grippers in brick making sector
- Side-impact absorption
- Packaging
- Transportation equipment
- Absorption mats

# SPL-Soft



## Available options

Surface	Optional textured surfaces		
<b>Smooth</b>	Polished	Fabric	Pyramid

### secutex impact protection surface options

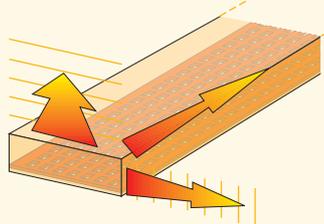
<b>secutex coating</b>	
secutex yellow	
secutex thin coating	

secufoam® options	Foam thickness mm		Material hardness
yellow	5, 10, 20		
green	5, 10, 20		
blue	5, 10, 20		
white	10, 20		

### secutex impact protection base Options

Impact protection – flat with perforated plate insert	
Impact protection – flat w/o perforated plate insert	

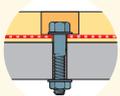
## Dimensions



Thickness: min. 10 mm  
 Width: 30-1000 mm  
 Lengths: Standard length 3 m

## Fixing options

Hexagon socket bolt and nut



Gluing



For alternative fixing options, see page 11



Use the comprehensive enquiry form at the end of this catalogue to specify your special requirement



# secutex® special profiles – with and without perforated plate



Do you require even more specialised secutex profiles? No problem! secutex will produce profiles according to your requirements, offering a cost-effective, on-time quality solution.

Sometimes, a hollow design offers the best solution, as the bigger the deformable zone, the higher the impact protection. This does not only apply to cars but everywhere where impact protection is required. Hope for the best – expect the worst ... Protect your goods against damage! secutex PROFILE is hollow – but for a very good reason.

### Advantages:

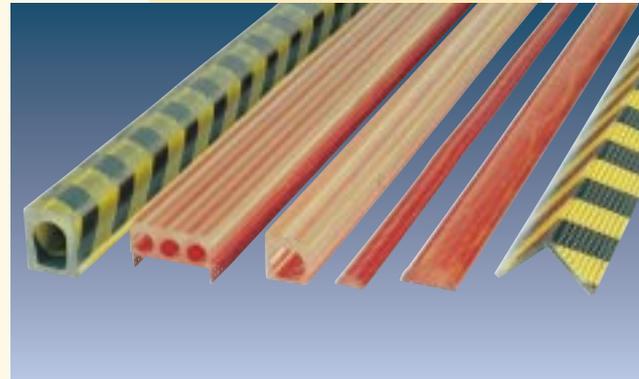
- Highly flexible
- Precise positioning of cavities ensures large "deformable zones"
- Cushioned impact protection
- Profiles for sliding on to "C" sections made from metal, concrete or wood

### Areas of application:

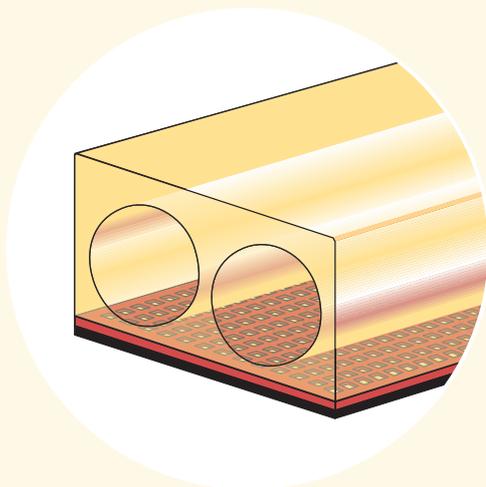
- Edge protection
- Shock protection
- Partial padding
- Impact protection

### Examples:

- Pipe protection and insulation
- Machine parts
- Boat fenders
- Car parts
- Pipe guides



## Hollow profile SPL-HP

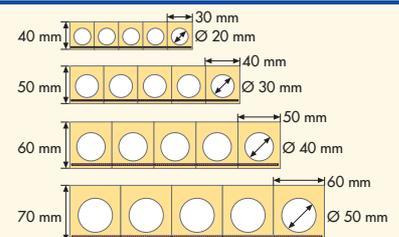


Standard version with perforated panel insert  
 Colour of perforated plate: red  
 Standard length 3 m

## Options

### Dimensions mm

Diameter of holes:  
 20, 30, 40, 50 mm



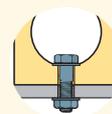
### No. of holes

1-5

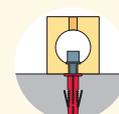


## Fixing options

Machine bolt and nut



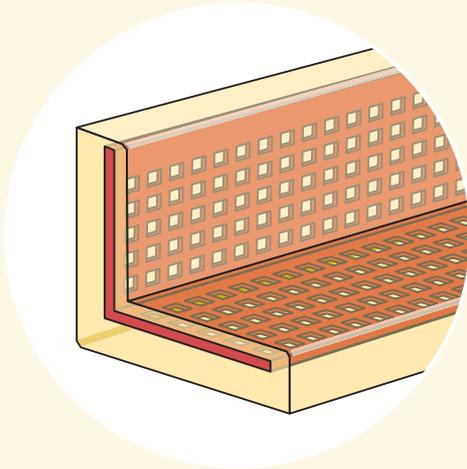
Hexagonal socket screw and dowel



Welding, perforated plate, protruding on sides, 90° edges



## Angle SPL-W



### Options

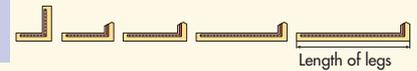
Thickness of legs

10, 20 mm



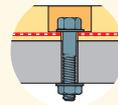
Length of legs

50, 75, 100,  
150, 200 mm

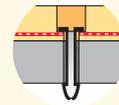


### Fixing options

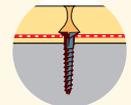
Machine screw  
and nut



Blind rivet

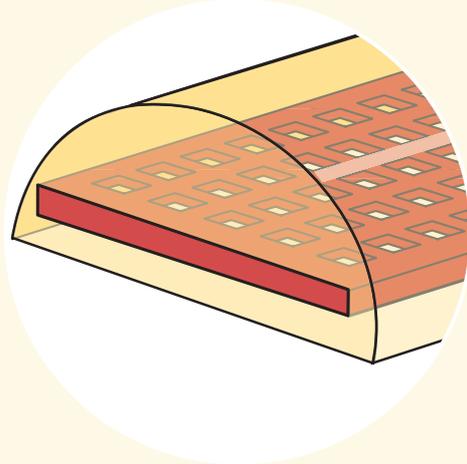


Spax screw from  
front, w/o drilling



Standard version with perforated plate insert  
Perforated plate colour red, standard length 2 m

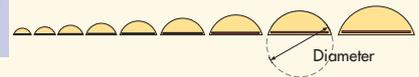
## Semicircular SPL-HR



### Options

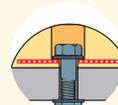
Diameter mm

30, 40, 50, 60, 70  
80, 90, 100, 120

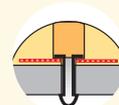


### Fixing options

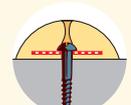
Machine screw  
and nut



Blind rivet



Spax screw from  
front, w/o drilling



Standard version with perforated plate insert  
Perforated plate colour red, standard length 3 m

## Ramp fender SPG-RF



### Options

Width

80, 100 mm



### Fixing options



Flat steel with hexagonal  
socket screw and nut

Standard version with fabric  
Fabric colour black/yellow  
Standard length 2.9 m, height 100 mm



Ask for the ramp  
fender fixing set.

# Anti-ramming protection – for absolute safety!



## „Time is money ...“

... and who wants to be slower than other fork lift truck drivers? And then it happens. It only takes a little lack of concentration and the heavy fork lift truck rams the shelf unit. And then costs start to pile up: Empty the store area, dismantle the shelf, wait for spare parts. A building site in the middle of the store ... But all this can be avoided. Protect your stock with secutex anti-ramming protection!



*"7 years ago we installed secutex anti-ramming protection on all important shelf areas. The secutex anti-ramming protection has long paid for itself. If I think back to what problems we used to have ...."*  
(Logistics Manager, Viersen)



The secutex anti-ramming protection reliably safeguards your shelf system against impacts and protects your goods.

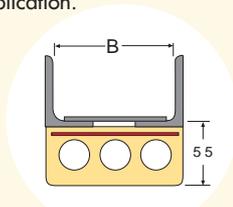
# Guards – anti-ramming protection

## Guards for pallet shelves

### SAS-A



Transparent design for pallet shelves. Guards are attached to the front supports of the pallet shelves and protect the shelf supports against collapsing. Other sizes available on application.



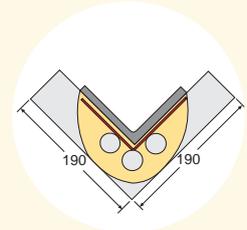
Order no.	Width mm	Length mm	Weight kg
SAS.A.0082	82	1000	11,0
SAS.A.0087	87	1000	11,3
SAS.A.0102	102	1000	16,2
SAS.A.0112	112	1000	16,9

## Guards

### SAS-C



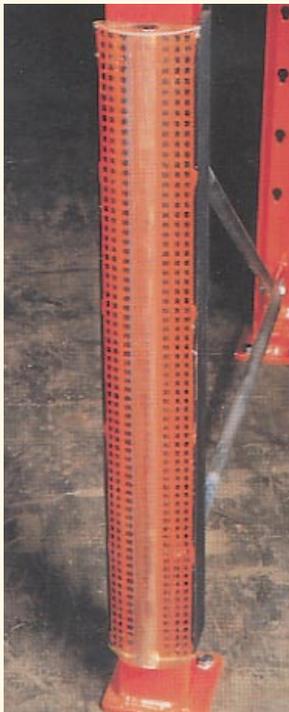
Particularly sturdy design for heavy-duty operation.



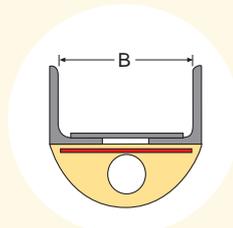
Order no.	Weight kg
SAS.C.000	10,0

## Guards

### SAS-B



SAS-B has a rounded front, facilitating driving into the shelves, in particular, where space is limited. Other sizes available on application.



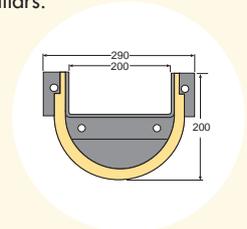
Order no.	Width mm	Length mm	Weight kg
SAS.B.0082	82	1000	9,2
SAS.B.0087	87	1000	9,2
SAS.B.0102	102	1000	15,3
SAS.B.0112	112	1000	16,4

## Guards

### SAS-D



For the protection of free-standing supports and concrete pillars.



Order no.	Weight kg
SAS.D.000	8,7

## Guards

### SAS-E



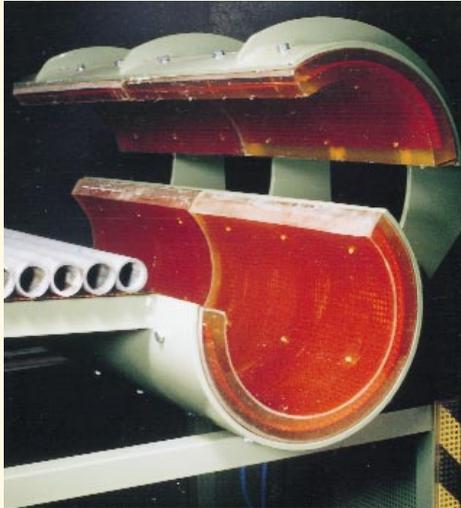
For fork lift truck and lifting trolley operation.



Order no.	Weight kg
SAS.E.000	8,9

# Impact protection

## secutex impact protection retains the shape



Pipe straightening plants generate a lot of noise. The secutex casing offers effective noise relief. The secutex material including a perforated plate insert, is particularly wear resistant and offers excellent compensation for pipe movement.

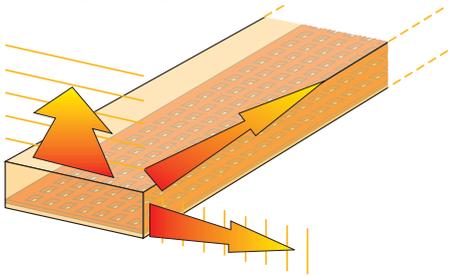


## secutex adjustable transportation holders – guaranteed fit

secutex transportation holders are coated with non-slip secutex. Pipes can no longer slip or roll and everything arrives safely. secutex transportation holders are adjustable. A worthwhile investment for your company.



# Enquiry/order form



## Dimensions:

Thickness (min. 10 mm): \_\_\_\_\_ mm

Width (30-1000 mm): \_\_\_\_\_ mm

Length (standard 3 m): \_\_\_\_\_ mm

## Coating:

<p>Surface:</p>		<p><b>Surface smooth (standard)</b></p> <p>Special surfaces <input type="checkbox"/> Polished  <input type="checkbox"/> Fabric  <input type="checkbox"/> Pyramid</p>	Surface																				
<p>PUR-options:</p>		<p><b>secutex standard, 75° Shore A</b></p> <p><input type="checkbox"/> secutex-yellow, 55° Shore A  <input type="checkbox"/> secutex-yellow, 75° Shore A  <input type="checkbox"/> secutex-yellow, 90° Shore A  <input type="checkbox"/> Powerflex - thin coating</p>	PUR																				
<p>Foam type: (impact protection soft only)</p>		<table border="0"> <tr> <td><input type="checkbox"/> secufoam®-yellow</td> <td>Thickness:</td> <td><input type="checkbox"/> 5 mm</td> <td><input type="checkbox"/> 10 mm</td> <td><input type="checkbox"/> 20 mm</td> </tr> <tr> <td><input type="checkbox"/> secufoam®-green</td> <td>Thickness:</td> <td><input type="checkbox"/> 5 mm</td> <td><input type="checkbox"/> 10 mm</td> <td><input type="checkbox"/> 20 mm</td> </tr> <tr> <td><input type="checkbox"/> secufoam®-blue</td> <td>Thickness:</td> <td><input type="checkbox"/> 5 mm</td> <td><input type="checkbox"/> 10 mm</td> <td><input type="checkbox"/> 20 mm</td> </tr> <tr> <td><input type="checkbox"/> secufoam®-white</td> <td>Thickness:</td> <td><input type="checkbox"/> 5 mm</td> <td><input type="checkbox"/> 10 mm</td> <td><input type="checkbox"/> 20 mm</td> </tr> </table>	<input type="checkbox"/> secufoam®-yellow	Thickness:	<input type="checkbox"/> 5 mm	<input type="checkbox"/> 10 mm	<input type="checkbox"/> 20 mm	<input type="checkbox"/> secufoam®-green	Thickness:	<input type="checkbox"/> 5 mm	<input type="checkbox"/> 10 mm	<input type="checkbox"/> 20 mm	<input type="checkbox"/> secufoam®-blue	Thickness:	<input type="checkbox"/> 5 mm	<input type="checkbox"/> 10 mm	<input type="checkbox"/> 20 mm	<input type="checkbox"/> secufoam®-white	Thickness:	<input type="checkbox"/> 5 mm	<input type="checkbox"/> 10 mm	<input type="checkbox"/> 20 mm	Dämpfungsschicht
<input type="checkbox"/> secufoam®-yellow	Thickness:	<input type="checkbox"/> 5 mm	<input type="checkbox"/> 10 mm	<input type="checkbox"/> 20 mm																			
<input type="checkbox"/> secufoam®-green	Thickness:	<input type="checkbox"/> 5 mm	<input type="checkbox"/> 10 mm	<input type="checkbox"/> 20 mm																			
<input type="checkbox"/> secufoam®-blue	Thickness:	<input type="checkbox"/> 5 mm	<input type="checkbox"/> 10 mm	<input type="checkbox"/> 20 mm																			
<input type="checkbox"/> secufoam®-white	Thickness:	<input type="checkbox"/> 5 mm	<input type="checkbox"/> 10 mm	<input type="checkbox"/> 20 mm																			

## Reinforcement:

<p>Perforated plate/ reinforcement:</p>		<p><b>Perforated plate (standard)</b></p> <p><input type="checkbox"/> Perforated plate with steel base Thickness : 2 mm + 4 mm sheet steel  <input type="checkbox"/> Stainless steel perforated plate Thickness : 2 mm  <input type="checkbox"/> Heavy-duty perforated plate Thickness : 5 mm</p> <p><b>Perforated plate colour red (standard)</b></p> <p>Special colour <input type="checkbox"/> black/yellow</p>	Reinforcement
		<p>Protrusion: <input type="checkbox"/> Does not protrude  <input type="checkbox"/> Protrudes over sides _____ mm protrusion  <input type="checkbox"/> Side edging _____ mm protrusion</p>	
<p>Fabric:</p>		<p><input type="checkbox"/> Fabric (impact protection can only be glued)  <input type="checkbox"/> Fibreglass reinforcement (impact protection can only be glued)</p>	
<p>without reinforcement</p>		<p><input type="checkbox"/> w/o perforated plate (impact protection can only be glued)</p>	

SpanSet Ltd.  
Telford Way  
Middlewich, Cheshire  
CW10 0HX UK  
Tel.: 01606 737494  
Fax: 01606 737502  
Email: enq@spanset.co.uk  
Internet: www.spanset.co.uk

Company: \_\_\_\_\_

Name: \_\_\_\_\_

Industry: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

Street/P.O.BOX: \_\_\_\_\_

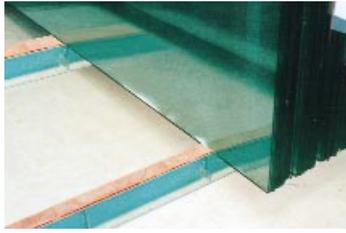
Postal code/Town: \_\_\_\_\_

X

\_\_\_\_\_

Date Signature

Erst fotokopieren, dann faxen!



Klappseiten-Begrenzung! Linie wird nicht mitgedruckt!