

## Safety and Quality "Made by SpanSet"

What started with the manufacture of the first car safety belt, has over the years developed to become one of today's global leaders in the fields of load control, lifting and height safety.

#### 1966 - SpanSet Germany is founded.

In 1959, the ribbon-weaving mill AB Textilkonst & Klippan, in collaboration with Volvo, developed the first safety belt for cars worldwide. In 1966, the high demand sparked the establishment of the SpanSet company in Malmö in Sweden, followed shortly after by SpanSet GmbH & Co. KG in Germany. Due to the enormous carrying capacity of the straps produced by SpanSet, they were soon put to work in areas where chains and wire cables were previously used. In the years to come, the company saw the founding of SpanSet AG in Switzerland and of other affiliated companies in Europe, Asia, America, Africa and Australia, all of which are still part of a global production and distribution network today.

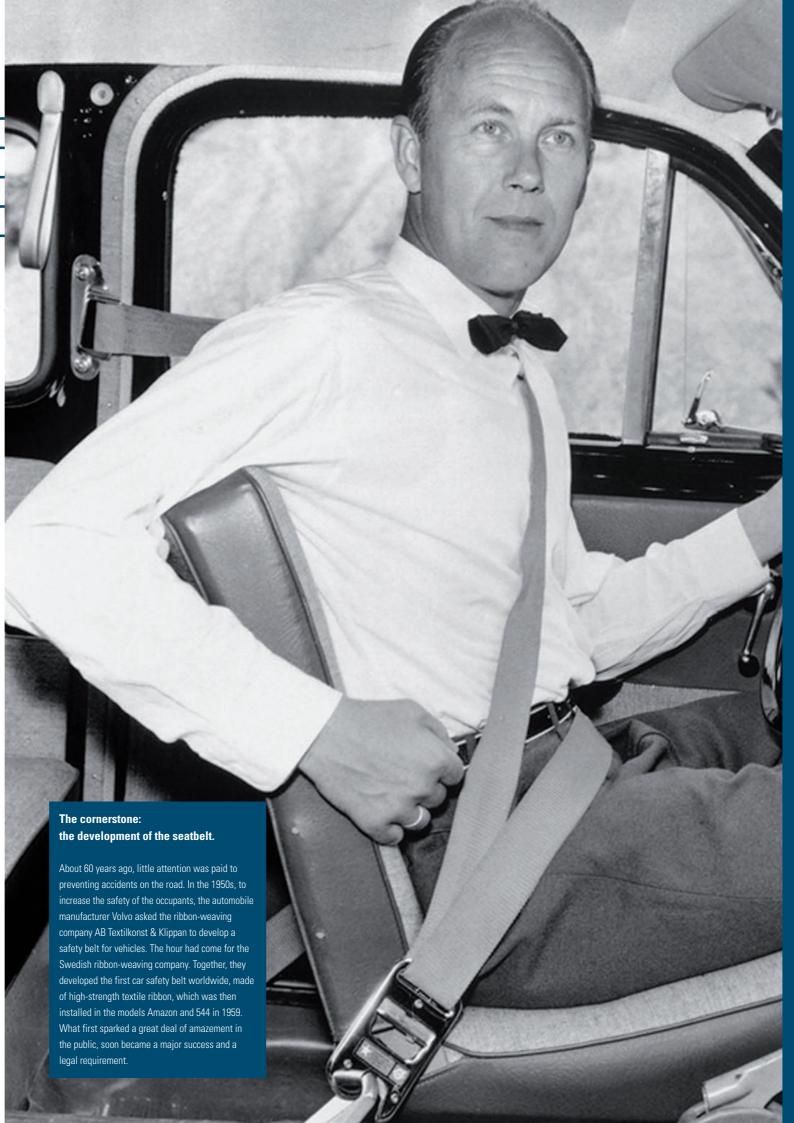
#### Innovations in load control and lifting.

Over the decades, the company developed a multitude of innovations in load control and lifting that successfully revolutionised the market: In the 1970s, for example, a lashing strap system to secure passenger cars on car transporters was developed in collaboration with the Ford factories, and the secutex coating for flat slings and protective sleeves was an important step in lifting technology. The Ergo ratchet, the first ratchet tensioner worldwide with a pre-tensioning measuring display, first entered the market in 1984. The same decade saw the launch of a new generation of round slings with textile fibre reinforcement in the protective sleeve, increasing the tear resistance of the protective sleeve, and, for the first time, users were able to acquire expertise in load control and lifting through training courses. The next innovation was presented in the 1990s: the ABS push ratchet. For the first time ever, it enabled a gradual release of ratchets under tension in order to, for example, catch goods that are at risk of tipping over in good time. In addition, SpanSet started producing and selling personal protective equipment to protect against falls. At the start of the new millennium, the company developed a pull-down ratchet with the unique Tension Force Indicator (TFI), the first of its kind to display the actual pre-tensioning force achieved right on the ratchet.

#### **Equipped for the future**

Decades of research and development have contributed to increased safety, easier work, fewer accidents and lower operating costs all over the world. On the basis of ever new technological developments, SpanSet is facing up to the challenges of the future. For example, a single SpanSet heavy-duty round sling can meanwhile lift loads weighing more than 450 tonnes. Our drive to make the main areas of our core competences even safer and more economical creates a constant stream of new developments.

SpanSet - Certified Safety



### Internationality and global presence

Thanks to its continuous growth, the SpanSet group has over time become a globally operating enterprise.

Today, users across all continents can benefit from the company's extensive expertise and product innovations.

Today, the SpanSet corporate group boasts 22 production and distribution companies in 19 countries. Around 800 employees have contributed to the success that has helped SpanSet become one of the global market leaders in the fields of load control, lifting, height safety and safety management.

#### **SpanSet INTER AG**

The holding of the international SpanSet Group — SpanSet Inter AG — was established in Switzerland in 1967. Today, the owner-managed company is based in Wollerau, in the canton of Schwyz, near Zurich.

#### **Global business locations**

#### Europe

#### Competence Centres

Switzerland, Lifting Germany, Lifting and Load Control Great Britain, Height Safety

#### Branch establishments

Netherlands . Hungary . Poland . France Austria . Spain . Italy

#### North & South America

USA . Brazil . Mexico

#### Asia, Australia & Africa

China . Japan . Taiwan . Indonesia . Australia . South Africa



## **SpanSet Group Germany National competence – optimally set up**



### SpanSet GmbH & Co. KG

#### Safety "Made by SpanSet"

At SpanSet, the safety of our customers is our top priority when it comes to protecting lives, lifting heavy loads or safely transporting goods. With high-quality products, the latest technologies and comprehensive services, SpanSet offers its customers professional and sophisticated solutions for lifting, load control and height safety. In addition to this, an extensive range of trainings and workshops contributes to increasing the safety of man and material, while at the same time lowering operating costs.

#### **Highest quality standards**

From the selection of materials to quality testing, from exact calculations to intelligent applications — SpanSet gives 100% at every stage. Our quality management system includes ongoing testing of materials and end products. All products are subject to continuous monitoring in our in-house test laboratory and in external test series. For many years, reputable institutions, such as the employers' liability insurance association, DEKRA, TÜV and DNV GL regularly check and certify our products and our quality management system.





Since its founding in 1966, SpanSet has strived to face up to the challenges of the future with continuous innovations, new technologies and products. Not only our revolutionary products have had a significant impact on the market — thanks to our renowned technical expertise, as pioneers we have contributed to the development of standards and regulations in Germany, which is why our products are generally considerably ahead of the respective legal requirements.



- More than 50 years of experience
- Driver of innovations in load control and lifting
- Standard lifting equipment for loads weighing up to 450 tonnes
- Development of personal protective equipment against falls (PPEaF)
- Training of expertise through seminars, specialist conferences and workshops

www.spanset.com



#### SpanSet secutex

1979 marked the birth of secutex — a coating for flat slings and round slings made of a particularly cut- and wear-resistant polyurethane elastomer. Among other things, this novel coating protected the textile fabric of lifting equipment against external contaminants. Today, SpanSet secutex GmbH is the market leader in coated flat slings and protective sleeves. With creativity and knowledge, the range of applications is continuously expanded. Impact, sound and surface protection, including, for example, roll coatings, transportation aids, protective sleeves, permanent coatings, edge protectors, but also individual solutions are part of our day-to-day business.

- Leader in the field of polyurethane processing
- Inventor of the "flat sling coating"
- Wide product range from standard to special solutions
- **■** Impact, sound and surface protection



#### SpanSet Axzion

SpanSet Axzion GmbH is one of the world's leading manufacturers of load lifting equipment. For many years, the wind energy industry – the offshore sector in particular – has benefited from the company's custom-made solutions. The load lifting equipment manufactured in Langenfeld and Neustrelitz offers the highest quality standards when it comes to material and processing. Here, developing individual solutions is part of day-to-day business: More than 80% of all lifting equipment are unique products, in other words, custom-made solutions for specific lifting, gripping or turning tasks, such as the upending tool – the world's largest gripper. Constructed in 2012, this "giant" is approved for moving loads of up to 1,000 t and was even tested for loads weighing 1,500 t.

- One of the leading manufacturers of load lifting equipment
- Development of spreader beams, hooks and grippers
- Specialist supplier for the wind energy industry

Vertriebsorganisation















Schickhoff GmbH Hebe: und Zuntechnik • Prüfservice









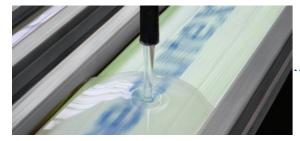
#### Distribution

SpanSet's products have already been sold via a distribution network since 1978. Spread across Germany, 28 distributors represent the company as exclusive partners. This distribution path serves all of SpanSet's industrial customers. Sales partners are qualified on a regular basis. At distributor meetings we present new products or sales documents, discuss how the market is developing and how our customers' requirements are changing, and conclude and implement measures to optimise our processing. All salespersons of a distributor meeting regularly attend training and further development courses on how to use our products and on the products themselves. This allows them to explain the added value of the products to the users. Many of our very first partners still support us today.

www.secutex.de www.axzion.de

### **Production site Germany**

From the thread to the flat sling, from steel to load lifting gear, from the ratchet to the lashing strap: SpanSet develops, manufactures and tests its products at four sites throughout Germany. Manufacturing the products in Germany contributes to ensuring high quality standards and allows the company to provide custom-made products, special solutions and a comprehensive range of services to its customers.



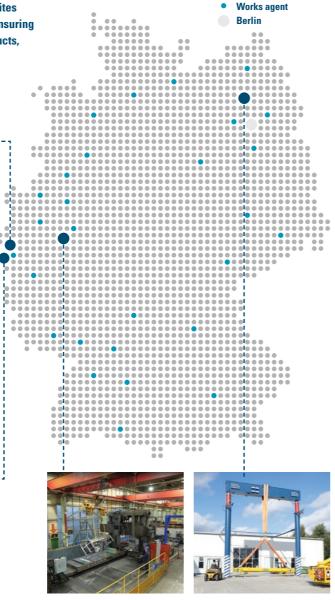
#### Geilenkirchen **Unique Coatings**

Within the SpanSet Group, SpanSet secutex is the specialist in coatings. In Geilenkirchen, the development and manufacture of impact, sound and surface protection, such as roll coatings, protective sleeves, permanent coatings, edge protectors, but also individual solutions are part of our day-to-day business. Just a few kilometres away from SpanSet, on separate premises, around 70 employees ensure that secutex products are used around the world.



#### Übach-Palenberg Lashing straps, round slings and more.

In Übach-Palenberg, 52 weaving machines produce around 750,000 m of webbing and hose straps every month. The broad weaving loom allows SpanSet to manufacture polyester fabrics with a width of up to 600 mm in-house. To ensure that we can continue to manufacture our products in Germany, automation technology has become increasingly important. For example, the largest automatic sewing machine in Europe enables the CNC-controlled manufacture of load safety nets with a sewing area of 7 x 3.5 m, and a fully automated webbing machine produces lashing straps in small-scale production. In addition, the in-house test laboratory on the business premises already contributes to assuring the quality during the development phase.



Production site

#### **Langenfeld and Neustrelitz** Custom-made solutions for the on- and offshore industry.

SpanSet Axzion stands for German engineering and offers its customers a "one-stop shop". The development, manufacture and service all take place in close collaboration at two sites in Germany. In Langenfeld near Düsseldorf and in Neustrelitz near Berlin, SpanSet Axzion manufactures around 1,200 lifting devices per year for customers all over Europe. The business premises in Neustrelitz is also home to a one-of-its kind test tower, which enables testing of load handling and lifting devices that weigh up to 1,800 t.



#### Close collaboration in development

To make sure that only absolutely reliable and practical technology reaches the users, at SpanSet, innovative products are developed in close collaboration with recognised experts, test institute, colleges and universities. This allows us to find the optimal and safest solution for all applications where safety is a top priority.





















## Partner for height safety

#### A partnership based on trust

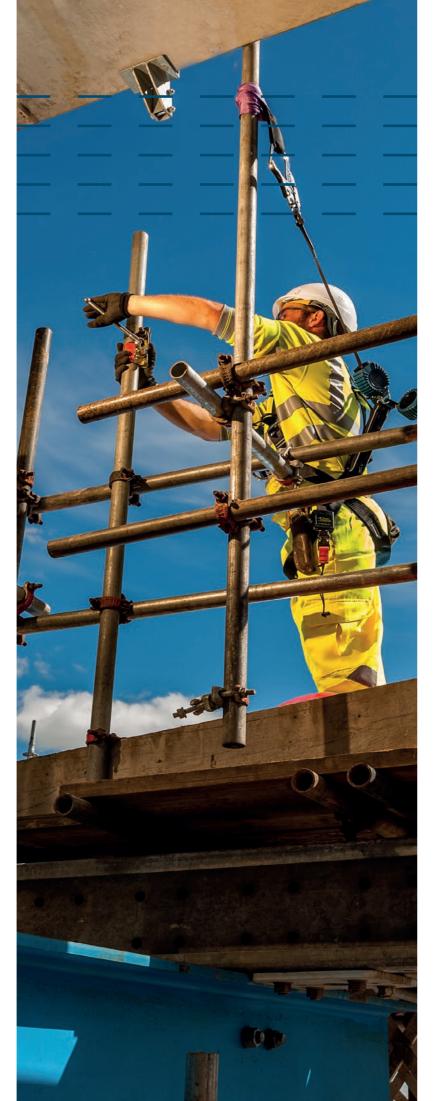
SpanSet offers a wide range of products in the field of height safety. Height safety products are always developed in close collaboration with the customers. The best example of this is Safeline, a fixed-line roof fall arrest system made from rustproof steel that is used as horizontal and vertical fall arrest and is manufactured in line with the customer's requirements for each specific application. We find highly specialised solutions even for the most complex applications. In this regard, SpanSet benefits from its international orientation. Customers all over the world benefit from the close collaboration within the SpanSet Group. With a close eye on the EN standards at all times, we know what users need and what demands the legislation places on those using personal protective equipment (PPE).

#### Our portfolio for height safety

- Harnesses
- Harness jackets
- Lanyards
- Snap hooks
- Rope restraint lanyards
- Anchor devices and points
- Horizontal safety lines

Rescue systems

PPEaF sets



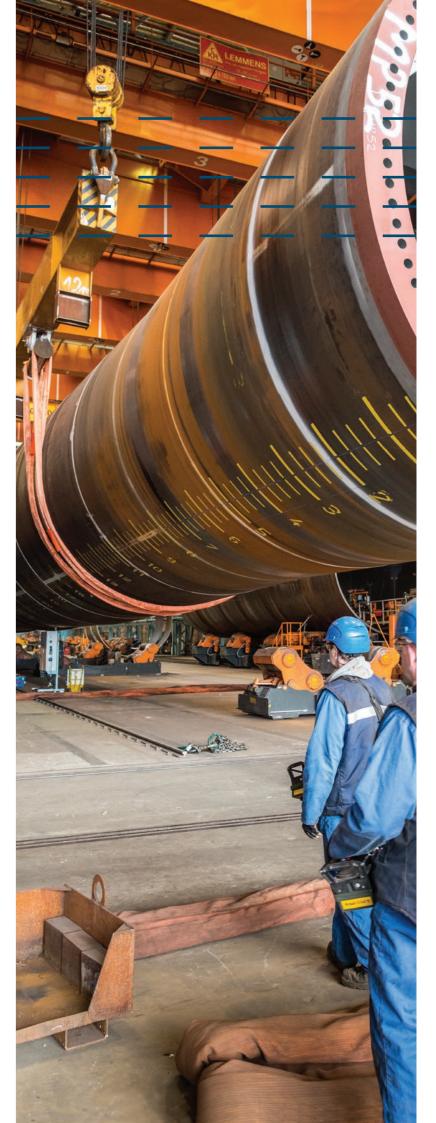
# **Solutions** in lifting

#### Market leader in textile lifting gear

In the late 1960s, chains or hemp ropes were used to lift heavy loads. Around this time, SpanSet began to develop new solutions made of hard-wearing artificial fibres. Today, SpanSet's textile flat slings and round slings are used to handle complex tasks all over the globe. SpanSet's certified flat slings and round slings have already been used to lift antique works of art, entire roofs of sports stadiums and ships — users can rely on the high-tech lifting gear "made in Germany". Through continuous innovations and a certified quality assurance standard, SpanSet has, over the decades, become the market leader. Together with SpanSet Axzion and the many custom-made solutions, the SpanSet Group additionally boasts a specialist for the on- and offshore industry. The secutex coatings and protective sleeves round off our unique expertise in lifting.

#### Our portfolio for lifting

- Round slings with a working load of up to 450 t
- Flat slings
- Rounds slings and multi-leg slings
- Flat slings with secutex coating
- Protective sleeves, protective plates and clips
- Comprehensive range of accessories
- Spreader beams
- Coil hooks and loading forks
- Tongs and grippers
- Custom-made solutions for the offshore industry



### Competence in load control

#### Protecting man and loads against accidents

Safety is our top priority when it comes to transporting goods and protecting all those involved in this process. It not only gives us a reassuring feeling, it is also stipulated by law. SpanSet's load control equipment helps you to effectively avert risks and prevent accidents, while also meeting all the legal requirements.

Companies with the highest safety requirements rely on our products. Not only automobile and aircraft manufacturers, but also the chemical, steel and paper industry, utility companies, shipping companies and fire brigades all rely on high-quality products from SpanSet. For many decades, push and pull ratchets for the heaviest loads with a maximum lashing capacity of up to 12,500/25,000 daN, load safety nets for rapid use with ever-changing cargo or also a comprehensive range of accessories have increased the safety in the load control sector.

#### Our portfolio for load control

- Heavy duty ratchets
- Pull ratchets
- Push ratchets
- Cam buckle webbingsLoad control containers
- Load control curtainsiders
- Anti-slip mats
- Load safety nets
- Dunnage bags
- Edge protectorsProtective sleeves
- Finitentive steeves
- Transport technology
- Rescue technology



### Safety Management

#### Safety is a question of management

In being a partner to our customers, we strive to be more than just a supplier of high-quality products — we want to support you in your efforts to effectively avoid risks. Of course, this also includes competent, expert advice, an inspection and repair service as well as additional services designed to improve and simplify working at heights, lifting loads or securing cargo in a sustainable manner. For this reason, SpanSet offers a variety of further training and continuous education opportunities in our safety training centre "STZ" in Übach-Palenberg and other sites in Germany and Austria. Here, users can further improve their expertise and acquire new knowledge through our certified and trained instructors. Our expertise and our many years of experience allow us focus on these issues so that our customers can concentrate on the important aspects of their work.

#### **SpanSet Safety Management:**

- Advice & project assistance
- Training & workshops
- Inspection service
- Installation & repair
- Helpful tools , e.g. mobile apps
- Individual solutions





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