

the **power** to stop you

019801095101

REDINKDK

Scandinavian Brake Systems A/S

Kuopiovej 11 · DK - 5700 Svendborg
Tel.: +45 6321 1515 · Fax: +45 6321 1595
sbs@sbs.dk · www.sbs.dk

SBS Deutschland GmbH

Eichrodter Weg 57 · D - 99817 Eisenach
Tel.: +49 3691 2570 · Fax: +49 3691 257 222
sbs@sbs-automotive.de · www.sbs-automotive.de

SBS France SAS

B.P. 29-Z.I. d'Angean · F - 60 240 Chaumont-en-Vexin
Tel.: +33 3 4449 4716 · Fax: +33 3 4449 4719
lhe@sbsfrance.fr · www.sbsfrance.fr

AUTOMOTIVE



Scandinavian Brake Systems A/S operates in business areas aimed at vehicles, motorcycles and industrial applications. Our primary focus is on products relating to safety and the environment. The SBS Group comprises three specialised divisions:

SBS Automotive

Remanufactures brake calipers for vehicles and distributes a wide range of brake components and related wearing parts for passenger cars and vans.

The division includes:

- remanufacturing of brake calipers in Støvring, Denmark, and Presov, Slovakia, as well as new production in the Far East;
- finishing work and logistics in the area of brake discs and drums in Holstebro, Denmark,;
- distribution of auto spare parts from platforms in Germany, Denmark and France, and a sales office in Russia.

SBS Friction

Development and manufacture of friction materials and brake pads for motorcycles, scooters and motor sports, as well as a range of special areas, including wind turbines. These activities are located in Svendborg, Denmark.

Notox

Production of diesel particulate filters for diesel-powered vehicles, industrial machinery and ships. The filters are manufactured using silicon carbide as the basic material. The production facilities are situated in Svendborg, Denmark.

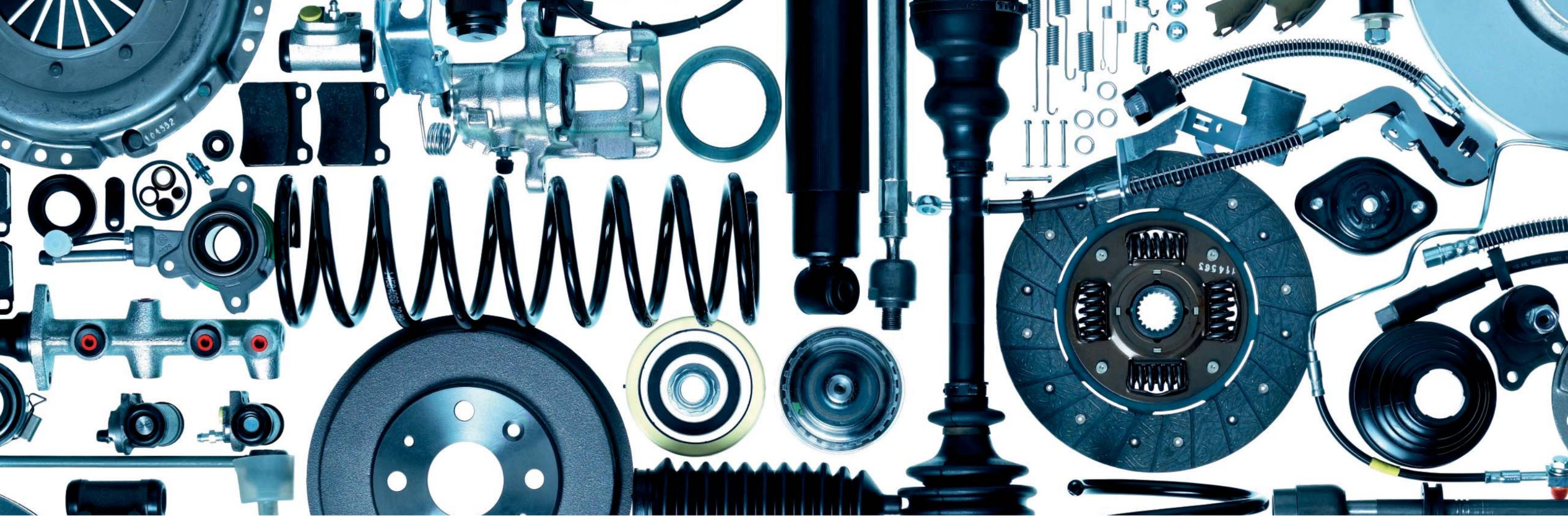
The head office of Scandinavian Brake Systems A/S is located in Svendborg, Denmark, and the company has more than 500 employees.

0-100 is exciting
100-0 is crucial



We make the world safer





Safety comes in mysterious shapes

At SBS safety is our watchword. Our focus is to improve traffic safety through reliable and durable quality products.

Traffic safety is our first priority

Our range of automotive products includes wearing parts of crucial significance to traffic safety: mechanical and hydraulic brake parts; steering parts; suspension and transmission parts; clutch components; and crucial wear parts for the engine compartment.

To maximise safety, SBS's products are manufactured in accordance with internationally recognised standards of quality, including the TS16949 standard of the automotive industry. Our products meet EU requirements for "matching quality parts", and our three-year guarantee against manufacturing and material defects, which

applies to all our product categories, emphasises our high quality requirements.

Our customers are demanding – fortunately. This keeps us on our toes. They appreciate our high supply performance, our flexible supply concepts, and our wide and updated product ranges. SBS has parts for the vast majority of passenger cars and vans performing important transportation tasks on European roads every day - from Moscow to Dublin, from Reykjavik to Istanbul. From the early Ford Transit models to the latest Kia.

Needless to say, all our parts are catalogued in TecDoc, ETAI and a number of other European catalogue systems and accessible through trading systems like TecCom, EDI systems and SBS's

own online shops. In other words, collaborating with SBS as a parts supplier is an important element of a sound business concept based on high product quality, wide up-to-date product ranges and sensible delivery concepts.



We meet your needs for matching-quality brake parts

Brake discs

SBS is a leading supplier to the free European aftermarket. A wide, up-to-date range of brake discs combined with a high level of quality and high delivery ratio have prompted increasing numbers of distributors to choose SBS brake discs:

Standard range

Manufactured in a sturdy cast-iron grade (GG20) to meet market needs for brake performance, safety, comfort and service life. Dimensioned according to OE.

Discs with ABS and bearings

Rear-axle discs equipped with mechanical or magnetic-rubber ABS rings and/or bearings. These are particularly used for a number of French car models.

Coated brake discs

Selected range of standard brake discs available with grey eco-friendly coating. The coating inhibits the formation of rust on non-wearing surfaces of the brake disc. Suitable for open rims. Degreasing before installation is not required.

High-carbon brake discs

Front discs mainly for upper-medium car models, especially BMW, Audi, Mercedes and VW. Produced in cast iron with high carbon content to provide high thermal stability which make the discs suitable for frequent, hard braking action. Available coated and with fixation screws.

Brake pads

Brake pads certified according to ECE R90 with high, stable braking power, long service life and low noise. Dimensioned according to OE. Available with shims and relevant accessories. Several product items are equipped with wear indicators. Meet EU requirements concerning heavy metals.

Brake drums

Manufactured in a sturdy cast-iron grade to meet aftermarket requirements for braking safety, comfort and service life. The range includes a considerable number of product items with integrated bearings.

Brake shoes

Brake shoes for service and parking brakes. Approved according to ECE R90. Steel components certified to EN 10025. Resilient surface treatment to minimise corrosion. Fittings and dimensions pursuant to OE. Meets EU requirements concerning heavy metals. Comprehensive range of accessories kits and parts available.

Pre-mounted kits

Complete brake shoe kits, including shoes, cylinders, accessory components and adjuster. Saves repair time at the workshop and is therefore ideal for the fast-fit repair sector, etc.

Brake cables

Wide, competitive product range of brake cables for passenger cars and light commercial vans.

Mechanical brake parts

Brake discs · Brake pads · Brake drums
Brake shoes · Brake cables · Accessory parts

Improve your cash flow

Competitiveness is not only a matter of having the lowest prices for a couple of fast-movers. At SBS you get a complete package of brake parts and components delivered to meet the exact needs of your business – big or small. In other words we offer “one-stop shopping” and enable you to release working capital for better purposes than being tied up in your spare parts stock.

First with the latest

And last with the oldest. This sums up our range development strategy. We offer you reliability of supply with a product range to meet the needs of up to 90% of the vehicles in Europe – from the newest models to car models from the 1980s and earlier.



Brake discs, standard



Brake discs, high carbon



Brake drums



Brake pads



ABS sensors



Wear indicators



Brake shoes



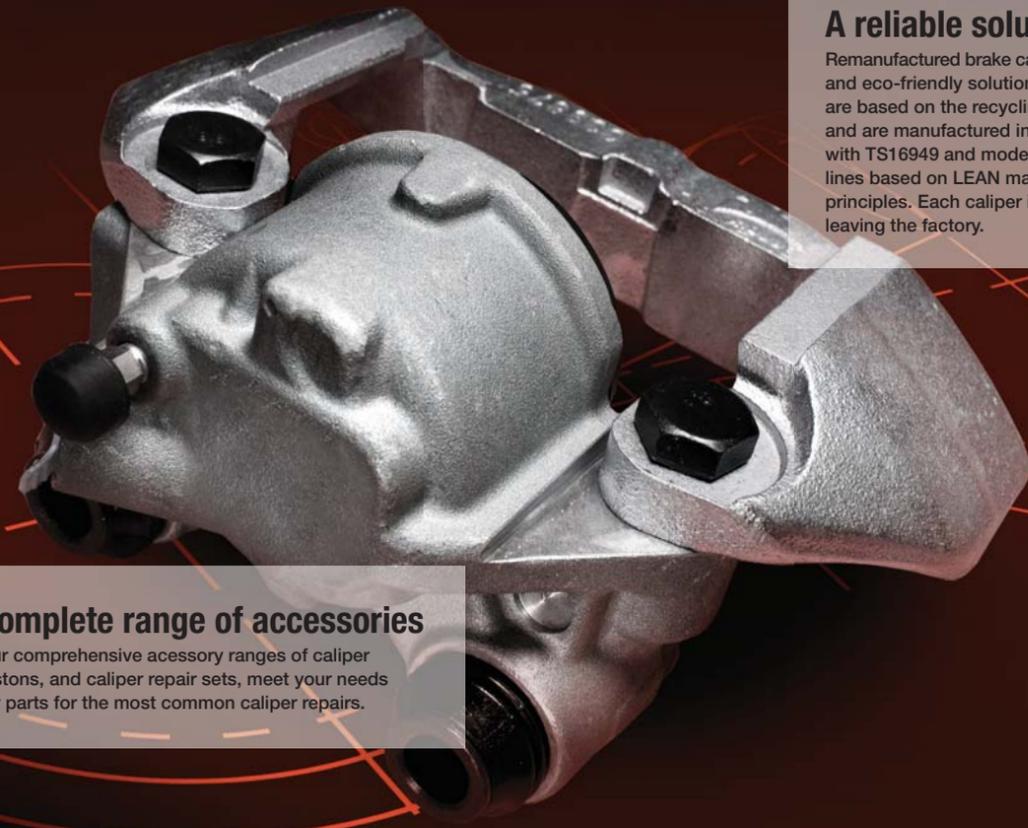
Premounted brake shoe kits



Brake cables

Hydraulic brake parts

Brake calipers · Brake hoses · Brake cylinders



A reliable solution

Remanufactured brake calipers are a safe and eco-friendly solution. Our products are based on the recycling of old calipers and are manufactured in accordance with TS16949 and modern production lines based on LEAN manufacturing principles. Each caliper is tested before leaving the factory.

Complete range of accessories

Our comprehensive accessory ranges of caliper pistons, and caliper repair sets, meet your needs for parts for the most common caliper repairs.



Brake calipers, cast iron



Brake calipers, aluminum



Caliper repair sets



Brake hoses



Brake wheel cylinders



Brake master cylinders



You can compromise on many things in life. But safety equipment like brakes should not be one of them. And you won't either, if you choose SBS as your supplier.

You can compromise on many things – but not brakes!

SBS offers a wide, up-to-date product range of hydraulic brake parts for the European car fleet.

Brake calipers

Remanufactured brake calipers in OES quality, manufactured in accordance with the TS16949 standard used in the automotive industry. Complementary manufacturing of new cast calipers enables SBS to offer a high delivery ratio, also in terms of product items where cores for re-man are hard to get.

The re-man process converts used calipers into products that work and look like new. This is achieved by completely disassembling, cleaning, sandblasting and replacing all wear parts, and applying eco-friendly corrosion protection that conforms to international environmental standards. Systematic quality control with final pressure testing of each caliper ensures a low error rate. Flexible delivery concepts adapted to individual customer needs.

Range of caliper accessories

The range of accessories includes pistons and repair sets.

Brake hoses

Brake hoses manufactured in strong neoprene to provide a high level of protection against leaks and to ensure long service life.

Dimensioned pursuant to OE. Complies with relevant standards such as FMVSS 106, SAE J1401, DIN ISO 3996 and TL-VW 821 52. Flexible manufacturing concepts ensure rapid implementation of new references.

Brake cylinders

Our range of hydraulic brake parts also includes wheel and master cylinders for passenger cars and vans in Europe.

Steering parts and wheel bearings

- Drag links
- Track control arms
- Tie rod ends
- Ball joints
- Repair kits and bushes
- Stabiliser bolts
- Wheel bearing kits

Safety is paramount

If a car's steering system fails, things can go terribly wrong. When this happens, a serious accident may occur. This is not an area where you should compromise. Choose safety above all. Choose SBS.



Many European roads are in bad condition. This makes high demands on the quality of a vehicle's vital parts. Our entire range of steering parts and wheel bearing kits is dimensioned in accordance with OE and are made of materials and manufactured according to quality standards which guarantee high strength and long service life.

Made of the right stuff

All products in our steering part and wheel bearing range are made of materials and according to quality standards which guarantee high strength and long service life.

Product-range development

We are continuously developing our steering part range. With SBS as your steering part supplier you will be able to meet the market demand all over Europe with an up-to-date product range.

Steering parts are some of the most important safety components in an automobile. Continuous strain, wear, corrosion, etc., can gradually lead to severe damage such as slackness and breakage and, at worst, can cause serious accidents.

SBS offers a wide range of quality steering parts dimensioned in accordance with OE. Manufactured according to international quality standards using materials which guarantee high strength and long service life.

Our range covers the vast majority of the makes and models of vehicles in Europe made by European, Japanese and South Korean manufacturers. Continuous development of our product range guarantees SBS's ability to deliver a range of products that meet market needs all over Europe.



Drag links



Track control arms



Tie rod ends



Wheel bearing kits



Ball joints



King pin sets



Repair kits / bushes



Stabiliser bolts

Suspension and transmission parts

Shock absorbers · Coil springs · Struts · Drive shafts CV joints · CV boot kits

Safety and comfort

SBS shock absorbers ensure safe and comfortable driving. They are an important part of the safety system of the car. They optimise shock absorption, road grip, and stable and reliable steering performance and also mitigate the effects of bumps in the road surface.

High quality spring steel

SBS coil springs are made of quality materials manufactured on state-of-the-art CNC coil winders to ensure a high, uniform level of quality.

Suspension parts

The suspension system is crucial for safety when steering and decelerating a car. In addition, it helps to optimise riding comfort and protect passengers and goods by reducing bumps and noise from the road surface.

SBS's suspension part range includes:

Shock absorbers

SBS shock absorbers improve safety and riding comfort, also on

poor and demanding roads or when driving with heavy loads. SBS shock absorbers optimise shock absorption, road grip, and stable and reliable steering performance and also mitigate the effects of bumps in the road surface.

Our shock absorbers are manufactured in accordance with international standards of quality which underpin a high level of quality and long service life. Our product range includes shock absorbers, cartridges and struts in both standard and gas constructions.

Coil springs

SBS coil springs made of high-quality spring steel from recognised steel suppliers. Our coil springs are manufactured on state-of-the-art CNC coil winders to ensure a high, uniform level of processing quality. The surface is corrosion-proofed with a zinc-phosphate-based material and tested for 480 hours in a salt spray pursuant to DIN 50021SS.

Transmission parts

A vehicle's transmission system must transmit power efficiently and reliably from the engine to the wheels. This makes high demands on the functionality, quality and durability of the system's individual components.

SBS offers complete drive shafts, CV joints and boot kits for front and rear axles in high aftermarket quality. The components are dimensioned according to OE to ensure problem-free installation and optimal functionality.



Shock absorbers



Shock absorber cartridge



Coil springs



Coil springs



Drive shafts



CV joints



CV boot kits

Clutch parts

Clutch kits • Concentric slave cylinders • Clutch hydraulic parts



Systematic process control

SBS's clutch sets are manufactured according to the quality standards ISO 9001 and TS 16949. The friction components conform to EU specifications for heavy metals. Systematic process control ensures end-products with a high level of quality.

Engine components

Timing belt kits • Water pumps



Made in Europe

Both timing belts and water pumps in this product range are manufactured in Europe, and the belts, kit components and water pumps comply with the strictest quality requirements in the market, including metal pump impellers.

Clutch kits

SBS clutch kits include a clutch, driven plate, and if required, bearings. SBS clutch sets kits are dimensioned in accordance with OE and manufactured according to the quality standards ISO 9001 and TS 16949. The friction components are made exclusively from materials which conform to EU specifications for heavy metals and other hazardous materials.

All components are manufactured using modern specialised machinery. Ongoing systematic process control ensures high-quality end-products. In addition to standard clutch kits, we offer a range of conversion kits for dual mass flywheel clutch kits, which are used on a number of popular diesel models. The conversion

kits include a solid flywheel, combined with a traditional clutch kit and fitting bolts. This provides a number of benefits, including lower repair costs, as well as a sturdy, reliable structure with a long service life.

Clutch hydraulic parts

Our range of clutch hydraulic components includes concentric slave cylinders, master cylinders, slave cylinders and adjustment valves. In addition, we offer a wide range of clutch cables. Our product range is manufactured in accordance with OE dimensions and complies with the quality and durability requirements stipulated by the auto industry.

Timing belt kits and water pumps

This product range covers vehicle models whose timing belt and water pump are replaced in the same procedure. The sets include all relevant components for a timing-belt repair procedure. It comprises all relevant parts such as belt, guide, tensioner and idle pulleys repair.

All parts are delivered in one box set which makes stock handling easier and repair work faster. These parts are also available separately as timing belt kits and water pumps.

The timing belt is manufactured by a recognised European OE supplier and both belt and kit components conform to the strictest quality requirements in the market.

Our range of water pumps is also manufactured in Europe in accordance with OE dimensions and the high quality requirements of the auto industry featuring metal pump impellers. This ensures a high cooling effect and a long service life.



Clutch kits



Concentric slave cylinders



Clutch hydraulics



Conversion kits for dual mass flywheel clutches



Timing belt kits



Water pumps



Timing belt kits with water pumps included

Customer needs differ – so do our solutions



Business concepts adapted to your needs

SBS's logistics concepts were developed to enable us to service customers with different market needs.

We are not out to make a quick profit, but are committed to pursuing sustainable business models based on close collaborative relationships, an approach which also maximises our customers' developments and earnings in the long term.

Our concepts are basically founded on three models, each of which has the possibility of additional individual adaptation.

Overnight concept

SBS has three European distribution platforms. From these, we deliver our complete product range in the NK trade mark to aftermarket wholesalers in need of a high delivery ratio and minimal inventories.

Our platforms are based in Eisenach, Germany, Støvring, Denmark, and Chaumont, France. This enables us to serve wholesalers customers in Scandinavia, Germany and a number of central European countries and France with overnight deliveries and also

serve customers in many other countries within 48 hours. The system is simple: orders received by the end of the day are delivered the next morning. Orders can be placed at an online shop or by e-mail, fax or telephone. Goods are picked and packed in efficient automated work processes using warehouse robots and barcode scanning.

We have a high delivery ratio. Our vast knowledge and longstanding experience in the automotive aftermarket enables us to stock the right quantity of the right products. This is also true when it comes to rare or brand-new automobile models.

Within one week

For importers, wholesale chains and other high-volume distributors, SBS offers direct delivery from our ready-to-deliver warehouse – packed in SBS boxes and ready for shipment with a maximum lead time of one week. This offer applies to parts with a large market volume, like brake discs, brake pads, brake shoes and drums, as well as in the areas of brake calipers and a number of other brake-related parts.

Scheduled factory orders

For major distributors with their own central warehouse departments, SBS offers individual agreements based on direct deliveries from SBS factories in Scandinavia – either labelled with the customer's own trade mark or SBS's trade marks. Over many years, SBS has amassed great logistics know-how and experience in handling this type of assignment. This enables us to meet almost all requirements for the receiving, planning and handling of our customers' orders, customising products, and providing individual delivery solutions.



We offer individual solutions to our customers – from overnight delivery from our major European platforms to forecast-based concepts from our factories.