



SKSMEKANIikka

EN

SUCCESS EMPOWERED BY MECHANICS



SKSMEKANIikka

SKS Mekaniikka Oy's extensive product range covers all machine building needs related to mechanical machine components, operating units and power transmission. Our long experience, detailed product knowledge and ability to offer customer-specific solutions guarantee high-quality, turnkey deliveries.

Full-service supplier for machine builders

Range of products and services

- Mechanical machine components
- Bearings and linear motion systems
- Chain and belt drives
- Gears and motors
- Couplings and cone clamping elements
- Drive demensioning
- Chain assembly and cutting to size
- Cutting and assembly of aluminium profiles and linear guides
- Machining services
- Gear assembly
- 24h spare parts service

SKS Control Oy, SKS Mekaniikka Oy and SKS Tehnika OÜ together form the SKSGroup, which is part of Axel Johnson International.

The SKSGroup has annual net sales of approximately EUR 33,2 million and employs 100 people.

The SKSGroup offers applications expertise and experience in close co-operation with our customers. We have long-term and good supplier connections. In addition to supplying top-quality products, the SKSGroup provides the best services to help customers in all development stages of technical solutions.

SKSGroup is part of Axel Johnson International

Axel Johnson International is a privately-owned Swedish industrial Group specialising in technical components and industrial process solutions for machine and equipment manufacturers. Operations are divided into five business groups: Fluid Handling Solutions, Industrial Solutions, Lifting Solutions, Power Transmission Solutions and Transport Solutions. The Group comprises more than 170 companies that together employ some 5000 people in 30 countries. The Group's annual net sales are approximately EUR 1,2 billion.

SKS MEKANIikka OY: Ammega, Bonfiglioli, Bege BRD, Klee, Columbus McKinnon, Compomac, CSB, EKD, Esco, ETP Transmission, Gates Europe, Gewes, HBE, IPL Transmission, Kipp, MayTec, Murtfeldt, Paulstra, ROSTA, Sati, Sumitomo Cyclo, Suspa, Stieber, Tandler, TB Woods, THK, Thomson, Tsubaki, Wippermann

SKS CONTROL OY: Arbor Technology, Cactus Technologies, Codesys, Control Techniques Dynamics, Crevis, Delta Electronics, Delta Computer Systems, Diamond Systems, Elsa Solutions, Elte, Euroconnection, IMAAnalytics, Janz Tec, JVL, Keba, KB Electronics, Leroy Somer, Lika Electronic, Mavilor Motors, Michael Koch, Motor Power Company, Motortronics, Nexcom, Nidec Control Techniques, Oemer, Renice Technology, Sinadrives, Sintrones, Tecnotion, Tolomatic, Trenton Systems, SIR, Vecow, Weintek, Xenarc Technologies

Strong technological knowhow

SKS Mekaniikka's strength lies in our strong relationships with suppliers. New growth is being sought by introducing product and service options in different price ranges.

SKS Mekaniikka's experts have fulfilled hundreds of machine building customer projects. Our solid experience, combined with detailed product knowledge, has resulted in first-class, customer-specific solutions. By making the right choices it's possible to lengthen machine life cycles and save energy. For example, linear motion requires high precision, speed and stability – which we can achieve. Great products promote customer success. Our customer co-operation is moving increasingly towards turnkey deliveries.

Our customers come from different industries. By working closely with customers and our suppliers, we can guarantee state-of-the-art, reliable equipment solutions. And our own logistical and warehousing strengths ensure quick deliveries.



"Our trustworthy principals (suppliers) and skilled staff guarantee that customers receive the best expertise at all stages of the process. We aim to understand the customer's true needs and to build long-term co-operation."

Thomas Söderberg, Managing Director,
SKS Mekaniikka Oy

In the future, customers will benefit from an even more efficient and uniform SKSGroup. Now is the time to concentrate component and system deliveries on a technically and logistically strong corporate group.

Linear motion products

SKS Mekaniikka's suppliers are leading developers of linear motion products. By making the right choices it's possible to lengthen machine life cycles and save energy. The linear motion product group suits applications that require high precision, speed and stability. High-quality products are the pre-requisite for customer success.

Application examples



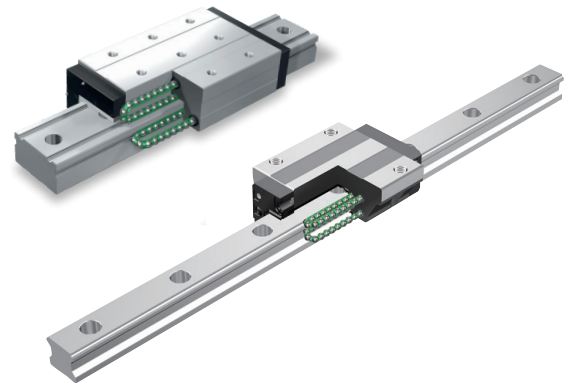
ROBOT WELDING STATION



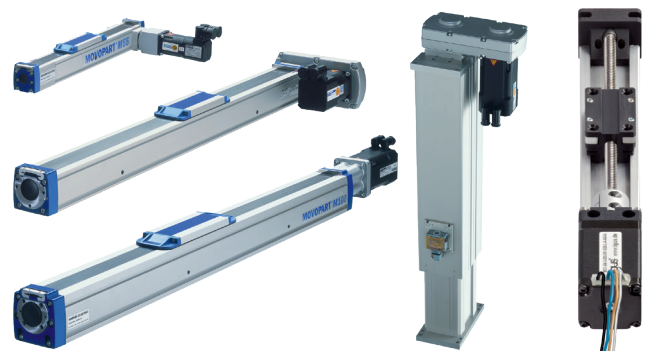
PACKAGING MACHINE
(KOCH Pac-Systeme GmbH)

Linear motion

THK Linear guides



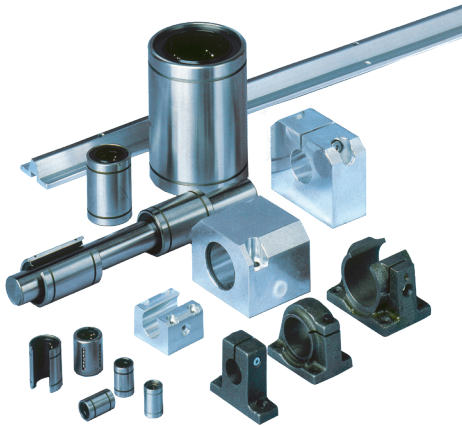
Linear units



Maintenance-free linear motion systems



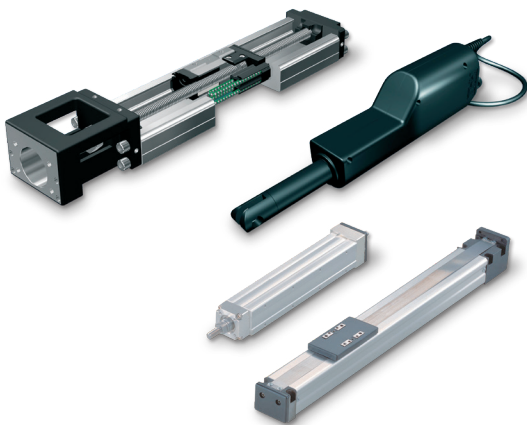
Linear ball bushings



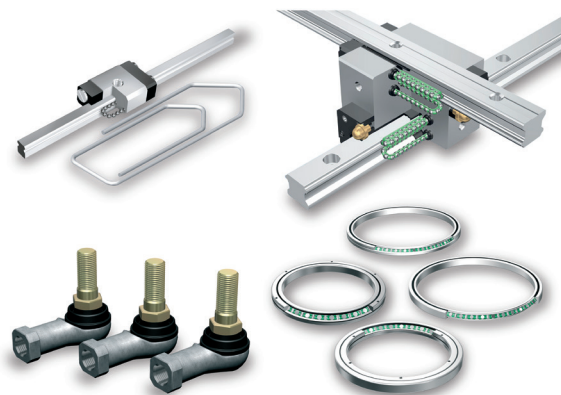
Linear guides



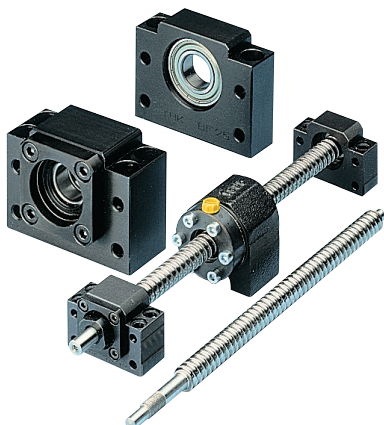
THK Linear units



THK other linear products



Trapezoidal screws and nuts



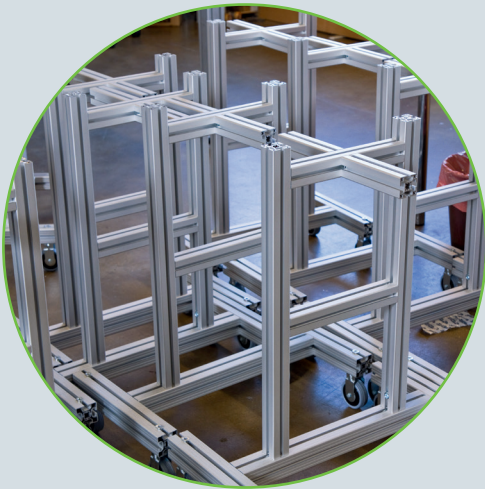
Linear actuators



Mechanical machine parts

We have energy chains for all practical needs. Technically suitable products extend the lives of chains, cables and tubes. Our aluminium profile systems can meet a wide variety of machine building needs, including demanding applications. Due to our machining and assembly service, we can deliver turnkey packages. We also have a large number of other mechanical machine components to cover the needs of equipment manufacturers..

Application examples



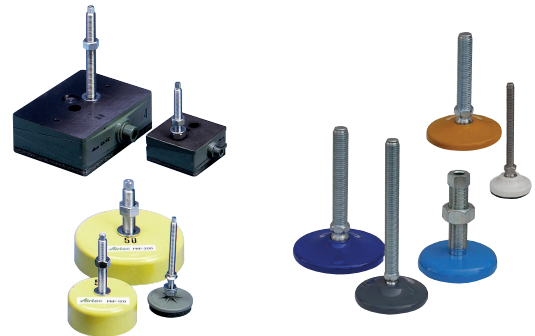
FRAMES FOR HEALTHCARE SECTOR
ACCESSORIES



ENERGY CHAINS:
tandem-drive

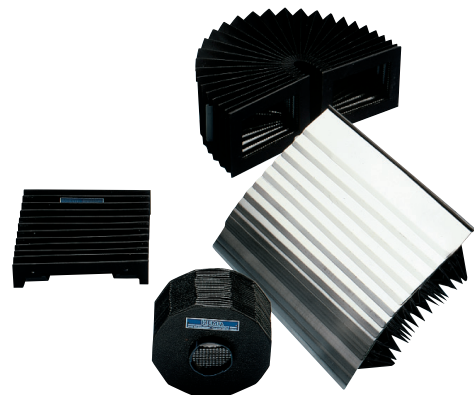
Levers

Adjustable precision levelers



Machine parts

Protection systems



Aluminium profiles



Vibration dampers



Gas springs



Clamping levers



Hand wheels



Industrial wheels



Aluminium profile systems



Plastic energy chains



Steel energy chains



Gears and motors

Our full range of closed-loop gears and motors makes it easy to concentrate your purchases. Their high quality and competitive properties provide machine builders with the means to succeed on domestic and international markets. Our service package includes local assembly and the customisation of products.

Application examples



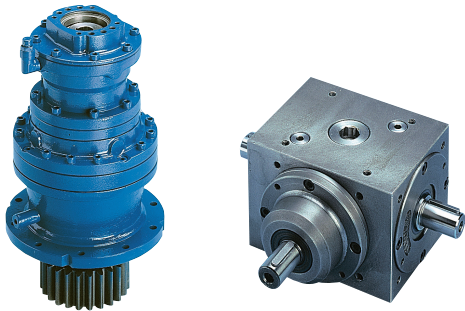
SWING AND TRAVEL DRIVES FOR WIND TURBINES



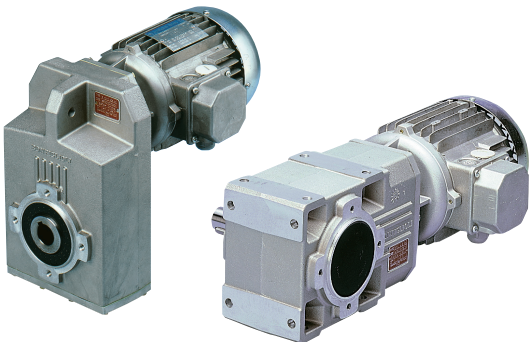
SWING AND TRAVEL GEARS FOR EXCAVATORS

Gears and gear motors

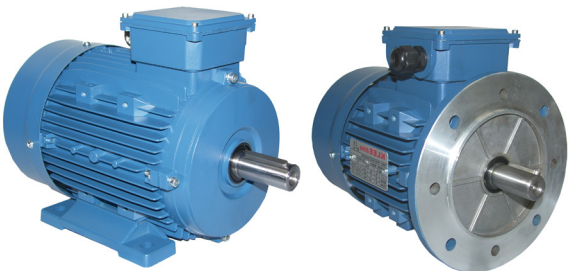
Bevel gears



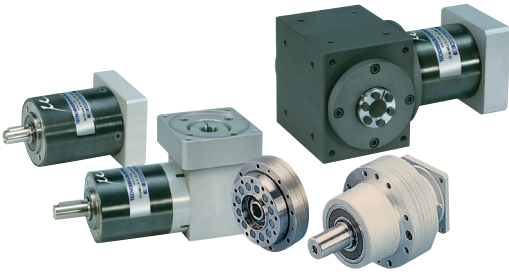
Helical bevel gears and gear motors



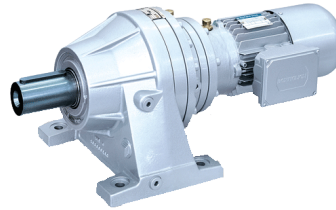
Electric motors



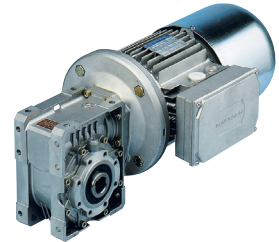
Precision gears



Planetary gears and gear motors



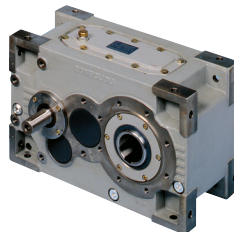
Worm gears and gear motors



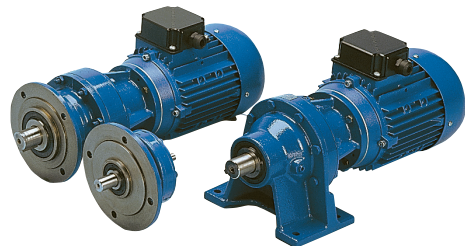
Helical gears and gear motors



Industrial gears



CYCLO gears



Screw jacks



Encoders



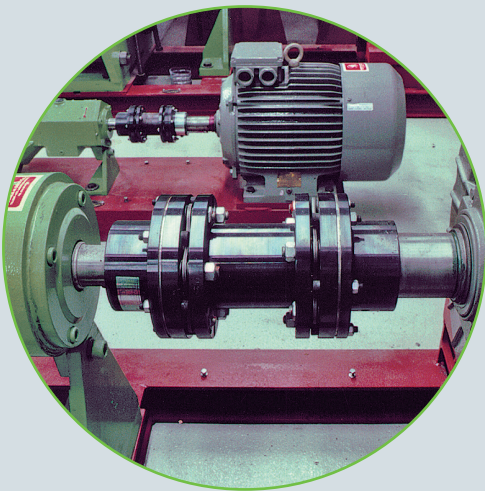
Bonfiglio Best Partner

As a Bonfiglioli Best Partner, SKS Mekaniikka can guarantee excellent service for all power transmission customers who buy Bonfiglioli products. Our local assembly and close co-operation with the manufacturer create financial and technological advantages that directly benefit our customers..

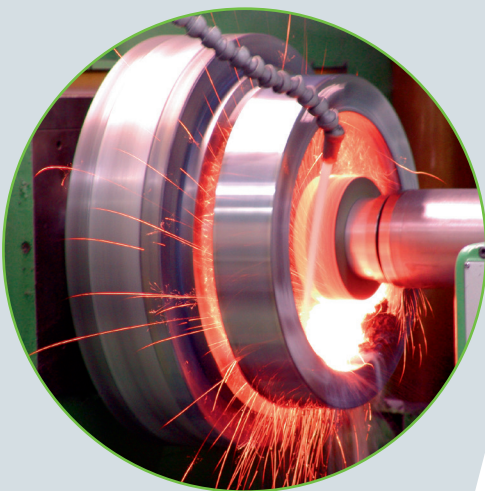
Shaft joints

Our technical experts help customers find the most suitable shaft joint, considering performance, product lifecycle and price. The couplings and shaft joints in our product range are either standard constructions or are tailored in line with customer drawings.

Application examples



TORQUE TRANSFER WITH
A DISC GEAR COUPLING



THE FREE WHEEL
MANUFACTURING PROCESS

Couplings

Flexible couplings



SURE-FLEX® JA DURA-FLEX®,
flexible couplings. Electromagnetic clutches and
brakes



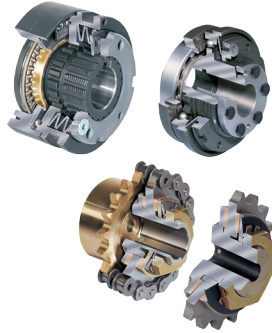
Universal joint shafts



Flexsteel couplings



Steel gear couplings



Torsionally stiff couplings



Locking devices

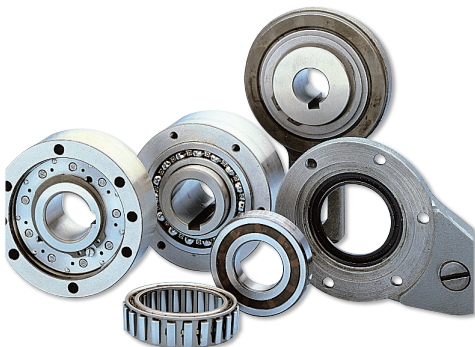


ETP, Hydraulic bushing and stainless locking devices

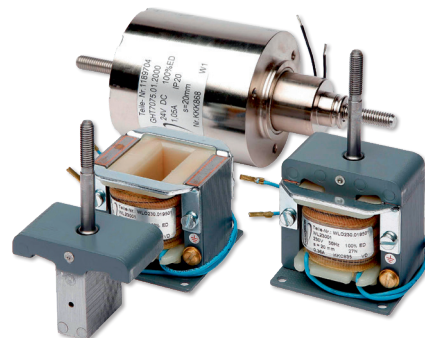


Magnets

Free couplings



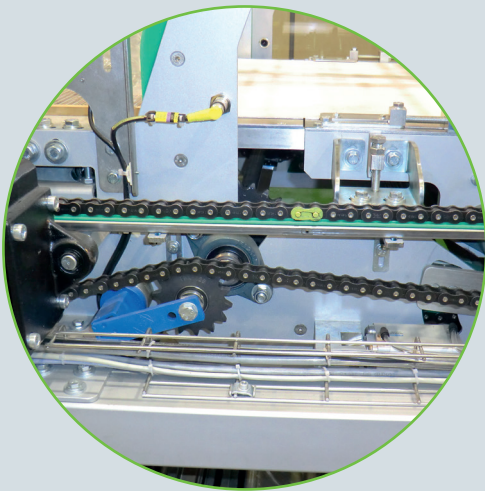
Magnets



Chain drives

SKS Mekaniikka’s extensive range of chains provides economical solutions for each and every application. Whether you require long lifecycles, freedom from maintenance, maximum power handling capacity, or the ability to operate in demanding environments, the special components of our reliable suppliers will cater for your needs

Application examples



POWER TRANSMISSION CHAIN DRIVES FOR CONVEYORS



MOTOR BASES

Chain drives

Roller chains



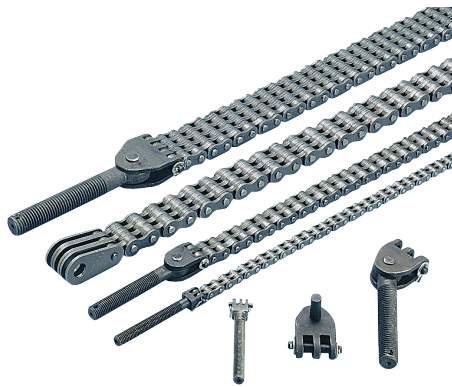
Specialty chains



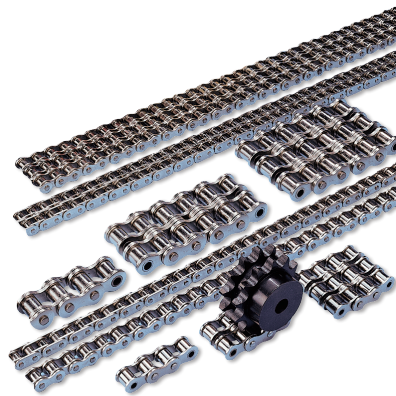
Sliding guides and chain tensioners



Leaf chains



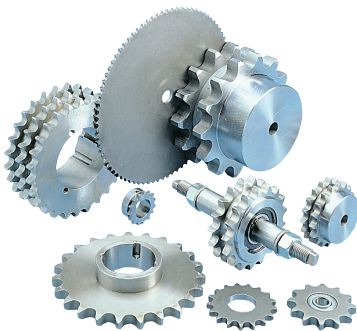
Lubrication free chains



Specialty chains



Sprockets



Sprockets and racks

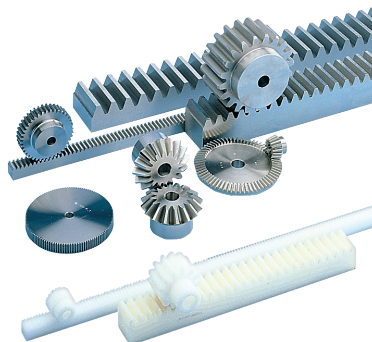
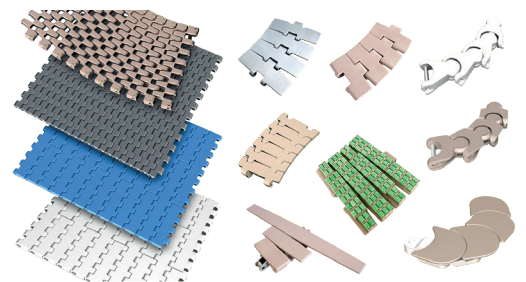


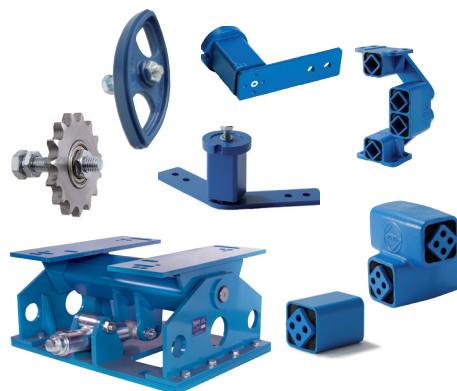
Plate chains, modular belts and conveyor components



Sliding guides and chain tensioners



Chain tensioner devices



Belt drives

SKS Mekaniikka's belt product group represents leading expertise. The products of our suppliers, Gates and Megadyne, combine quality and reliability. The Gates belts – Predator, PowerGrip GT4 and Poly Chain GT Carbon – transmit power efficiently and suit applications requiring great durability and wear-resistance. SKS Mekaniikka can also supply rollers built to the customer's drawings. Small batches are made in SKS's own machining unit, while large batches are ordered directly from suppliers.

Application examples



POLYURETHANE SYNCHRONOUS
BELT DRIVES



V-BELT DRIVES FOR SAWMILL
MACHINERY

V belts

V belt pulleys and bushings

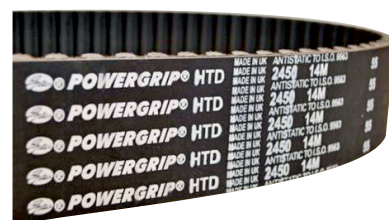


Timing belts

POWERGRIP® GT4,
Timing belts



HTD®-timing belts



V BELTS

- Quad-Power® 4
- Super HC®
- Hi-Power®
- Delta Classic™
- Delta Narrow™



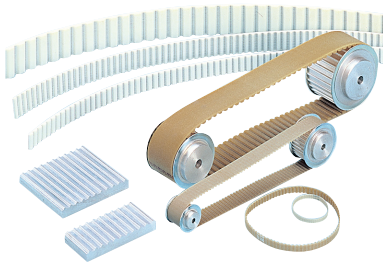
MICRO-V-belts



PREDATOR® specialty belts



PU-timing belts



POLY CHAIN® GT CARBON™ VOLT™



Classic timing belts



Laser align



SONIC TENSION, belt tension meter



Bearings and slewing ring bearings

SKS Mekaniikka's bearings group includes various slide bearings, plain bearings and slewing ring bearings. We stock thin-walled, metal-based and polymeric slide bearing solutions, as well as bearings cut to size from different materials. The range of slewing ring bearings consists of rings equipped with external and internal teeth or without teeth. The most common types of material used for the ring are CK50, 42CrMo and polymer blends.

Application examples



THE PROCESS OF CASTING BRONZE TUBES



SLEWING BEARINGS FOR LIFTING APPLICATIONS

Bearings

Slide bearings



Plastic bearings

Plastic bearings



Custom made special parts

Quench bushings



Metal and bronze slide bearings

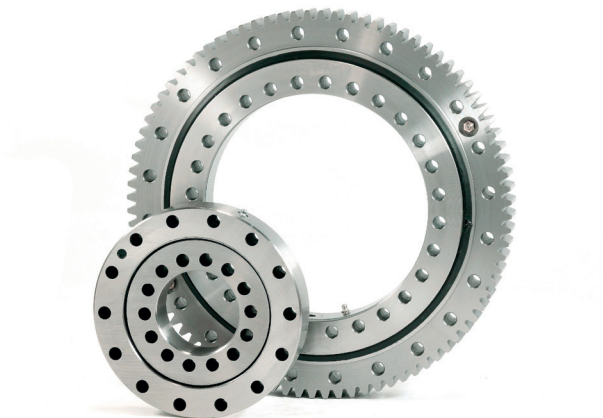


Custom made bearings



Slewing rings

Slewing rings



Maintenance-free slewing ring bearings



Other parts





SKSMEKANIikka

Individual service

Products must be chosen to suit the operating environment in which they will be used. Correctly chosen products will operate as planned over their entire useful life, and save service and maintenance costs.

SKS Mekaniikka's specialists will advise you in all matters concerning product selection. We take responsibility for individual components, for assembly, and for overall deliveries. Our versatile assembly and machining services allow us to tailor products for each customer, while our customer service produces any special solutions you might need.

Correct dimensions

The logistics and service centre in Vantaa, Finland, has a machining unit, chain workshop, gear motor assembly shop, profile cutting, drilling and milling lines, and a cut-to-size and installation service for linear guides. The machining units skilled employees and versatile machine tools co-operate with SKS Mekaniikka's sales team to ensure each customer's needs are met flexibly and reliably.

Reliable deliveries

SKSGroup pays special attention to logistical excellence. Our ample warehouse stock is ready for immediate delivery. If the customer wishes it, we can also store customer-specific items.

We offer warehouse services outside of regular business hours. Service number +358 50 301 9848 (Vantaa).

Machining services



Assembly



Chain cutting and connecting



Profile cutting and assembly



Energy chains



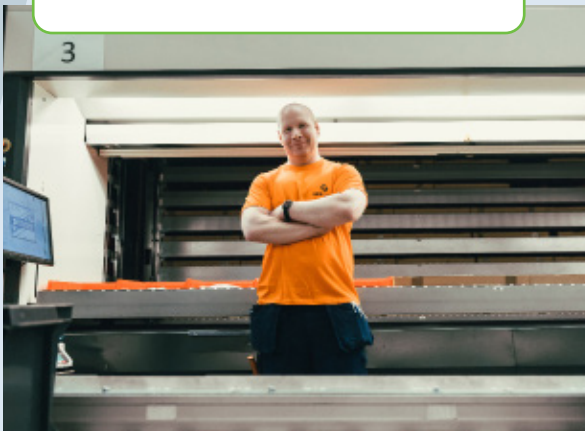
Cutting and assembly of linear conductors



Technical support



On-duty warehousing





SKSGROUP

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