



HENNlich

HENNlich - GOOD IDEA

CEMA-TECH

- **SKF central lubrication systems**
 - total loss oiling systems
 - pressure lubrication of bearings by oil or grease
 - bearing lubrication by oil-air mixture
 - lubrication of gear transmissions
 - lubrication of chains and conveyors
 - lubrication in railway transportation
 - lubrication of cutting tools
 - circulation oil systems
- **Lubrication dosing systems**
 - automatic or semiautomatic dosing using taylormade applicators
 - manual dosing using dosing pistols
 - complete working stations and working lines
- **Lubricant spreading systems**
 - contact
 - non-contact
 - complete working stations and working lines
- **Lubrication machinery**
 - grease fittings
 - grease guns and units
 - automatic lubricators
 - machinery for handling lubricants and fuels
 - accessories for lubricant reservoirs
 - grease lines and fittings
- **Lubricants**
 - SKF lubricants
 - other lubricants

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ENERGY

- **Air coolers**
- **Engine coolers**
- **Hydraulic accumulators**
- **Accessories for hydraulic accumulators**
- **Heat exchangers**
 - plate Heat Exchangers
 - tube Heat Exchangers
 - micro Channel Heat Exchangers
 - all welded Heat Exchanger
- **ECO-mizer®- flue gas heat exchanger**
- **Industrial chillers and air conditioners**
- **Cooling systems**
- **Zero Fuel Gen ORC units**
- **Biogas station**
- **Steam turbines**
- **Gas turbines**
- **Steam gen set**

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ENGINEERING

- **Telescopic loading spouts**
 - dust-free loading of dry, dusty bulk solids
 - open trucks and railcars
 - enclosed trucks and railcars
 - wagons
 - stockpiles
 - shiploading
- **Energy chains**
 - flexible energy supply for moving applications
 - long travels up to 800 mts
 - vertical and horizontal applications
 - heavy covering for outdoor systems
 - electronic overload monitoring
- **Dedusting and air filtration**
 - dust collectors for the industries
 - silo dedusting
 - transfer points dedusting
 - local & central aspiration systems
 - filter elements for different applications (cartridges, pockets, bags)
- **Fog cannons**
 - dust control systems for effective dust suppression
 - demolition & construction
 - mining & quarrying
 - waste & recycling
 - coal & power generation
 - steel & slag
 - disinfection & decontamination
 - festival & event cooling
- **SEL**
 - easy and fast change of aircraft engines
 - manipulation in 3 axis
- **3D printing**
 - Geoprint material for 3D printing
 - 3D printers (MINI, MEDIUM, MAXI) for printing of geopolymer materials

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G-TERM

- **Heat pumps**
 - for industrial and commercial applications
- **Capillary mats**
 - heating and cooling
- **Photovoltaics**
 - for industrial and commercial applications
- **Battery energy storage systems**
- **Systems for charging electric vehicle**

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HYDRO-TECH

- **Pumping and spraying units**
- **Lechler nozzles and accessories**
 - air knives
 - complete spraying systems
- **Adiabatic cooling and misting systems**
- **Pumps**
 - dosing pumps
 - dosing technology for WWT
 - dosing units
 - hose pumps
 - centrifugal pumps for chemical industry
 - gear pumps
 - sine pumps
 - drum pumps
 - air operated double diaphragm pumps
 - submersible pumps
 - high pressure pumps
- **Industrial agitators**
- **Compressors for hydrogen and other industrial gases**
- **Fittings**
 - ball valves
 - sealing rotary joints
 - pipe couplings
 - compensators and metal hoses
 - static mixers
 - sight glasses
 - lights and camera systems
 - flame arrestors and breathing valves
 - rupture discs
- **Filtration**
 - ultrafiltration
 - micro sand filtration
 - self-cleaning filters
 - simple / duplex filters
 - filter cartridges and filter bags
 - oil filtration
 - filtration of viscous liquids

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LIN-TECH

- **Automation, robotics, pneumatics**
 - robots for industrial use
 - Hyundai
 - collaborative robots
 - grippers and accessories for robots
 - single-purpose machines
 - control units
 - servo drives
 - stepper motors and drivers
 - asynchronous motors
 - pneumatic cylinders
 - fittings
 - valves
 - air treatment units
 - pneumatics grippers
 - Infinity® compressed air piping systems
- **igus® energy chains and flexible cables**
 - energy chains
 - highly flexible cables
 - readycable® harnessed cables
 - readychain® complex systems
- **Protective covering and chip management**
 - bellows
 - telescopic covers
 - rollo covers
 - spiral covers
 - molenit and rubber bellows
 - wipers
 - air cleaner
 - oil mist collectors
 - chip management
 - accessories
- **igus® plain bearings and linear sliding guides**
 - polymer plain bearings
 - spherical bearings
 - linear guides
 - machined engineering plastic
 - sliding tables and actuators
 - PRT slewing ring
 - gears
 - 3D print and filaments
- **THK linear motion guides**
 - linear motion guides
 - ball screws
 - linear bushings
 - cross-roller rings
 - machine elements
- **Walther quick couplings**
 - mono-couplings
 - multi-couplings
 - tool changing systems
- **PMA protection hoses and components**
- **Telescopic slides**

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MERES

- **Surface heating**
 - selfregulating cables
 - parallel and series cables and tapes
 - mineral insulated cables up to 1000 °C
 - customized sleeves, jackets and heating panels
 - IBC, drum and gas bottle heaters
 - heating hoses up to 600 °C
 - temperature control, accessories
- **Immersion heating and cooling Mazurczak**
 - tube and angular heaters
 - screwed and flanged heaters
 - heating rods, heating inserts
 - tubular and spiral heaters
 - FEP / PFA heaters
 - storage tank heaters
 - submersible heat exchangers
 - temperature and level control
- **Industrial flow heaters**
- **Industrial air / gas heaters**
- **Contact systems for galvanics**
- **Flow measurement and control**
 - variable area, piston, target disc, rotor, gearwheel and turbine
 - calorimetric, mass, inductive and ultrasonic
 - V-Cone flowmeters
 - viscosity compensated
- **Level measurement and control**
 - float and conductive
 - level indicators
 - radar, ultrasonic and calorimetric
 - rotary and vibratory
- **Pressure measurement and control**
 - industrial, chemical and precise pressure gauges
 - differential pressure gauges
 - manostats
 - transmitters, sensors
- **Temperature measurement and control**
 - bimetallic, machine glass and gas thermometers
 - resistance sensors and thermocouples
 - thermostats
- **Ex-barriers, splitters and converters**
 - Ex galvanic separators
 - Ex zener barriers

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MINING HYDRAULICS

- **Hydraulic and electro-hydraulic circuits of powered roof supports and longwall faces**
- **Control systems**
 - direct
 - pilot
 - electro-hydraulic
- **Valves**
 - pilot operated check valves
 - relief valves
 - check valves
 - two-way valves
 - pre-load valves
 - spray valves
 - special valves
 - filters
- **Filtration units**
- **Fittings**
- **High-pressure hoses**
- **Installation**
- **Overhauls and repairs**
- **Service**

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SPRINGS

- **Compression springs**
- **Extension springs**
- **Torsion springs**
- **Spring assortments**
- **Customize production**
- **Die springs**
- **Disc springs**
- **Supplementary assortment**

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SEALS

- **Seals production**
- **Production of shaped plastic parts**
- **Gaskets production**
- **Vulcanized O-rings production**
- **Hydraulic seals**
 - rod seals
 - piston seals
 - wipers
 - wearing tapes
 - wear rings
 - CARCOTEX special seals
- **Static seals**
 - O rings
 - back-up rings
 - static seals
 - O ring cords
 - bonded seals
 - HTR profile ring
 - X rings
 - D rings
- **Pneumatic seals**
 - rod seals
 - piston seals
 - dumping elements
 - wipers
 - wearing tapes
 - wear rings
- **Shaft seals**
 - shaft seals
 - V rings
 - CARCOSEAL special shaft seals
 - gammaring
- **Packings**
- **Thermoinsulated packings**
- **MONAX - PTFE program**
- **Tools and equipments**
 - hydraulic mounting tools
 - O-rings mounting tools
 - service box for O-ring preparation
 - O-rings mounting box
 - measurement tower
 - shears for tapes
 - circometer
 - mounting grease
 - packing cutter
 - rubber guide
 - flexible extractor

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