



ACORN[®]
industrial services limited

**Solutions for the
Mining & Quarrying Industry**

High Loads & Shock Loads



SKF Cooper Split-to-the-shaft Bearings



Cooper bearings split-to-the-shaft design reduces maintenance & repair downtime in extreme environments where high loads are prevalent.

- Available in Spherical, Cylindrical and Tapered variations available
- Ideal for inaccessible or trapped locations
- No specialised fitting tools or on-site adjustments required



Hutchinson Poly-V Reloaded®



Combining compactness with high power transmission, the Poly-V reloaded is specifically designed for severe applications.

- For temperatures up to 100°C
- High power transmission capabilities
- Reduced belt width without compromising on power
- Anti-static & ATEX compatible



Centaflex-A Couplings



Designed specifically for demanding tasks, they excel at handling strong vibrations and shocks, safeguarding machinery.

- Compensates for difference types of misalignment
- Safe operation and seamless torque transfer
- Easy maintenance & installation



SKF LGEP2 Grease



Extreme conditions causing lubrication issues? LGEP 2 grease contains extreme pressure additives for optimal lubrication.

- Excellent mechanical stability
- Extremely good corrosion inhibiting properties
- Excellent EP performance

Abrasive Dust



SKF Three Barrier Solution



As it's name suggests, the three barrier solution offers three barriers of protection, designed specifically for the most contaminated environments.

- 3x longer MTBF
- Reduced maintenance & increased safety
- Specifically designed for conveyors working in the mining & quarrying industry.



Gates Predator V-belts



Market leading heavy-duty v-belts, offering extreme robustness, even in extremely demanding environments.

- 40% higher power ratings than standard construction v-belts
- Less maintenance & downtime
- Static conductive & suitable for ATEX environments

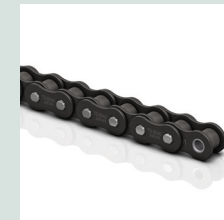


FALK Steelflex Grid Couplings



Renowned for their durability as well as their outstanding performance characteristics and strength against fatigue.

- Fully encased cage stops contamination entering the coupling
- Replace-in-place design reduces downtime and maintenance costs
- Longer service life without wear due to alloy steel grids



Tsubaki Lambda Chain



Lubrication-free components are essential for environments with abrasive dust, this is why Lambda chain is an ideal solution.

- Lubrication & maintenance free
- Oil impregnated bushes reduce wear
- Works in temperatures up to 150°C
- Fully interchangeable with standard chain

Extreme Temperature



RHP Self Lube
HLT Insert



Self Lube units can be customised to suit specific applications. By swapping to a HLT insert, units can run more effectively and for longer.

- Works in temperatures from -42°C to $+180^{\circ}\text{C}$
- C5 clearance to help operation in extreme temperature
- Silicone seal prevents the ingress of contaminants



KTR Rotex
Coupling with
PEEK Spider



With a compact design, Rotex torsionally flexible jaw couplings are characterised by their long fail-safe service life.

- Suitable for temperatures from -50°C to $+120^{\circ}\text{C}$
- Improved damping of vibrations
- Transmits high-torques
- PEEK elastomer spiders offer superior temperature resistance



Gates
Quad-Power 4



By using innovative minimal-stretch cord technology, Quad-Power[®] 4 bandless V-belts extend service life without the need to retension.

- Suitable for temperatures from -50°C to $+130^{\circ}\text{C}$
- Static conductive and suitable for ATEX environments
- High performance & maintenance free



SKF LGET2
Grease



Working at high temperatures in harsh environments? LGET Grease is ideal for aggressive environments.

- Long life in reactive areas
- Excellent oxidation resistance
- Excellent water and steam resistance
- Operates in temperatures from -40°C to $+260^{\circ}\text{C}$

Health & Safety



SKF Bearing
Puller
TMM75H/
SET



Complete puller set for safe and effortless dismounting of ring shaped components, helping to decrease downtime and increase worker safety.

- Hydraulically assisted bearing puller
- Supplied with a tri-section pulling plate and protection blanket
- Especially suitable for dismounting spherical roller and CARB toroidal roller bearings



Fluid
Couplings

For soft start machinery such as belt conveyors, extruder's, crushers, Mixers & slurry pumps, variable fluid couplings control torque effectively.

- Smooth acceleration
- Overload protection
- Energy savings
- Virtually frictionless clutching
- Long-term reliability of drive



SKF TLSD
Automatic
Lubricator



Automatic lubricators remove the need for workers to manually relubricate dangerous equipment and optimise maintenance.

- Battery driven for wireless running
- Adjust lubrication frequency
- Improve worker safety
- Increase machine reliability
- Optimise maintenance operations



Petro-
Canada
Duratac
Chain Oil



Reducing noise of chain drives and keeping noise pollution to a minimum helps to promote a safe working environment.

- Minimise wear
- Complete oil coverage
- Prevents damaging metal contact between chains and sprockets
- Significantly reduces noise pollution

Long-lasting, rugged solutions

ACORN[®]
industrial services limited

Extreme temperatures, wet and dust contamination, dangerous and hazardous working environments are some of the unforgiving conditions faced in the mining and quarrying industry.

Saving you time and money

When a plant machinery goes down, you need the parts in the most cost and time effective way possible. With seven million MRO products in stock, ACORN can get customers back up and running fast. All of ACORN's stocked items can be with you at your plant or site the same day if so required.

Product Specialists are on-hand to help provide solutions to your most challenging problems and we offer guaranteed traceability which only genuine manufacturer products can offer. All with a full warranty from the world's leading manufacturers.

Talk to the experts



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