



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



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



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



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 dismantling 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 dismantling spherical roller and CARB toroidal roller bearings



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



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



Petro-
Canada
Duratac
Chain Oil



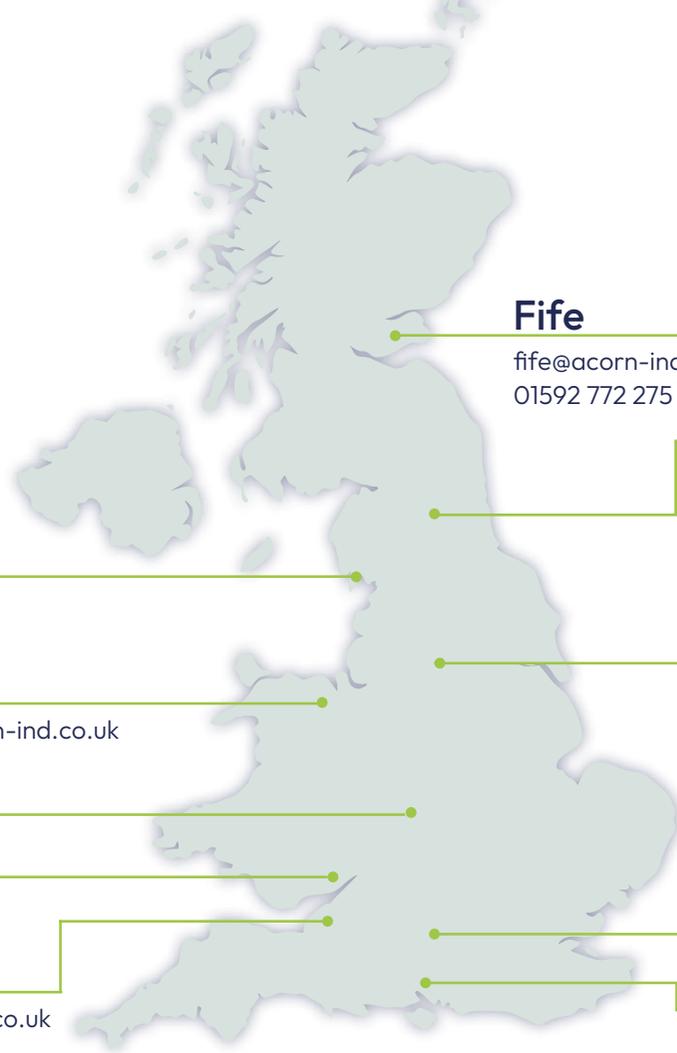
Reducing noise of chain drives and keeping noise pollution to a minimum helps to promote a safe working environment.

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

Your local branch



Buy online
www.acorn-ind.co.uk



Fife

fife@acorn-ind.co.uk
01592 772 275

North East

northeast@acorn-ind.co.uk
0191 417 8899

Yorkshire

yorkshire@acorn-ind.co.uk
01709 789 955

Berkshire

berkshire@acorn-ind.co.uk
0163 543 449

Solent

solent@acorn-ind.co.uk
023 8066 7100

North West

northwest@acorn-ind.co.uk
01229 837 122

Deeside

deeside@acorn-ind.co.uk
01244 281 280

Midlands

midlands@acorn-ind.co.uk
0121 569 7888

Gloucestershire

gloucestershire@acorn-ind.co.uk
01594 821 122

South West

southwest@acorn-ind.co.uk
01179 820 414



Talk to the experts



Andy Fletcher
Bearing
Product Manager



Jason Buck
Power Transmission
Product Manager



Garry Haines
Linear & Automation
Product Manager



Jay Goodgame
Lubricants, Sealants &
Adhesives Product Manager

