

We pioneer motion

# Schaeffler Solutions for Mining Conveyor Systems

Engineered for reliability and extended operating life



# Schaeffler — Your partner for mining operations

In mining operations, conveyor systems are the backbone of material movement. When critical conveyor assets go down, production goes down.

Schaeffler's deep global mining experience in conveyor maintenance, repair and operation gives us unique insight into the problems faced by miners.

As a leading manufacturer in rolling bearings, we provide comprehensive solutions to support mining operations and address your challenges.

## **Challenge: Contamination**

Dirt, dust, and high-pressure washdowns are the leading causes of conveyor pulley bearing failures.

Schaeffler sealing solutions protect pulley bearings from contamination, ensure fewer pulley breakdowns, longer maintenance intervals, and reduced grease consumption.

## **Challenge: Maintenance downtime**

Replacing solid bearings in complex assemblies and difficult-to-access locations increases hazardous work, maintenance time and cost.

Schaeffler split roller bearings reduce complications involved in bearing replacement and reduce maintenance time by 67%.

## **Challenge: Extreme operating conditions**

Conveyors in mining are subject to extreme operating conditions.

Schaeffler mining duty housings are engineered to optimize load distribution, increase breaking loads and withstand high stresses and heavy loads common in mining conveyor pulleys.

## **Challenge: Reliability**

Schaeffler Lifetime Solutions help you predict the future to avoid damages, plan your downtime, and maintain your conveyors.



Product availability varies by country.

## Contamination got you down?

### Exclude.



Sealed spherical roller bearings exclude contamination during installation and in operation.

### Defend.



Arcanol grease filled in the bearing housing cavity defends against contamination ingress.

### Protect.



Improved Schaeffler seals protect from ingress of dust, dirt, and liquid contaminants, even during high-pressure washdowns.

## Split bearings = less maintenance downtime. Easy on, easy off!

Bearing replacement without decoupling and realignment of drive components

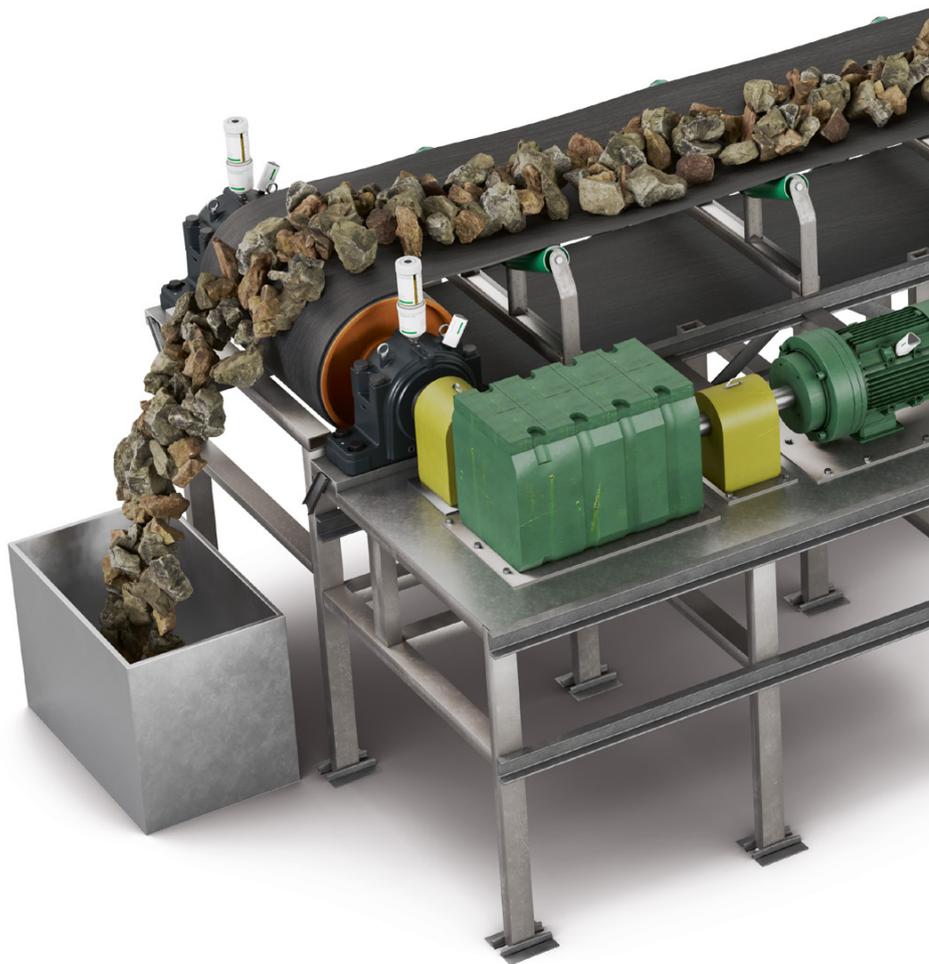
Direct replacement of adapter sleeve mounted solid spherical roller bearings in split plummer block housings.

Maintain the same shaft to center height as non-split bearings with adapter sleeve.

Utilize the existing housing, no modifications to the application.



Split spherical roller bearing



**Keep your conveyors rolling:  
Move from preventive to  
predictive maintenance.**

Schaeffler wired and wireless condition monitoring sensors enable you to catch potential issues such as vibration and overheating before a defect or failure occurs.

With automatic and smart lubricators, our solutions offer optimal lubrication at all times and eliminate the need for manual relubrication.



OPTIME Condition Monitoring sensors and app



SmartCheck sensor



OPTIME C1 smart lubricator and CONCEPT automatic lubricators



ProLink vibration monitoring



Split plummer block housing

**Housings built for mining**

Fast, accurate alignment and reduced installation time with precision-machined base reference faces and permanently marked centerlines.

FEA-optimized design produces a significantly wider load zone and extends bearing life.

Safe, efficient handling with lifting features and serial-numbered caps and bases to prevent damage caused by assembling mismatched parts.

Available in both metric (SES/SNS) and imperial (SAF/SDAF) series.

# This is what our customers say

Schaeffler provides solutions for conveyor systems in mines around the world. Our mining solutions improve safety, increase service life, and reduce costs in countless mines.

Reduced machinery  
**downtime**

**\$800,000**  
**in cost savings**  
due to split SRBs



Reduced installation time  
from 96 to

**27 hours**



**Enhanced safety**  
for maintenance team

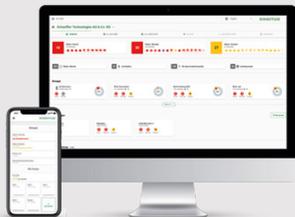


**\$200,000**

in production loss per hour  
for each production line  
**prevented with**  
**condition monitoring**



Simplified  
**mounting**



**Schaeffler Technologies AG & Co. KG**

Georg-Schäfer-Straße 30

97421 Schweinfurt

Germany

[www.schaeffler.com](http://www.schaeffler.com)

[info@schaeffler.com](mailto:info@schaeffler.com)

In Germany:

Phone: 0180 5003872

From other countries:

Phone: +49 972191-0

[info.us@schaeffler.com](mailto:info.us@schaeffler.com)

Phone +1 803548-8500

Every care has been taken to ensure the correctness of the information contained in this publication but no liability can be accepted for any errors or omissions. We reserve the right to make technical changes.

© Schaeffler Technologies AG & Co. KG

Issued: 2024, July

This publication or parts thereof may not be reproduced without our permission.