

# Condition Monitoring for Low Speed Backstops

Prevention • Reaction • Analysis



We present the

## „Condition Monitoring for Low Speed Backstops“

consisting of:

- Vibration sensor
- Speed sensor
- Oil humidity and temperature sensor
- Diagnostic electronic

All sensor information can be retrieved via an Ethernet interface.

Suitable for all Low Speed Backstops of the RINGSPANN series FRHD, FRHN and FRSC.

**Vibration sensor**  
for monitoring of  
bearing and imbalance

**Speed sensor**

**Oil humidity and  
temperature sensor**



## We will help you

All information can be sent directly to RINGSPANN for analysis and remote maintenance.

## Prevention

- Condition monitoring of the bearings
- Ability to schedule maintenance
- Increased plant availability

## Reaction

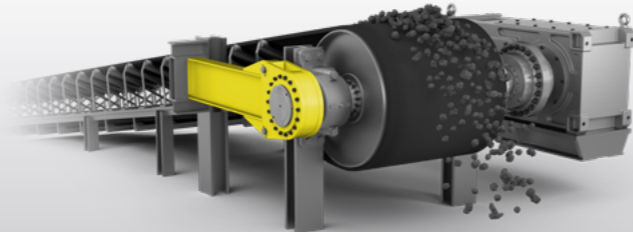
- Safe shutdown in case of acute damage or incidents
- Avoidance of consequential damages
- Reduce repair costs

## Analysis

- Cause analysis and weak point analysis
- Process optimisation
- Evidence for warranty
- Verifiability of repairs

## Low Speed Backstops

Low Speed Backstops of the RINGSPANN series FRHD, FRHN and FRSC are fitted to shafts of conveyor belt drums or output shafts of gearboxes. They prevent reverse rotation of conveyor belts or bucket elevators. Taconite seals protect the backstop from contamination with dust or dirt. In addition, the backstops allow the removal of the drive unit while the conveyor belt is loaded.



## Easy determination of the place of use



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