

## Products for Condition Monitoring



## FAG ProTorq

### *Process Optimization by Torque Measurement*

The maintenance-free FAG ProTorq helps to avoid shaft fractures or other damages on drive train components and components with varying loads and allows:

- Reliable residual life time calculation
- Secure protection against drive components' overloads
- Increase of plant availability
- Optimization of maintenance planning and spare part storage

**Operational Safety  
for Drive Units**



Sensor protecting ring



FAG ProTorq in operation

Parts of FAG ProTorq are developed by



Easy to use monitoring system

For further information about FAG maintenance products, just request a copy of our catalog!



## The FAG ProTorq: suitable for nearly all industrial sectors

- **Aluminium and steel**  
Drive shafts, gear spindles and universal joint shafts
- **Marine**  
Propeller shafts in ship drives
- **Oil and gas**  
Drive shafts of top-drives and mud pumps
- **Raw material extraction and processing**  
Shaft drives of roll press and rotary tube kilns
- **Wind power**  
Rotor shaft, generator shaft, transmission intermediate shaft
- **Pulp and paper**  
Shaft drives of wet and dry sections

### Operating Benefits

- **Increase of plant productivity**
  - through permanent, contact-free process and component monitoring
- **Early detection of potential component failure**
  - through signal-based residual life time calculation and automatic alerting out of the product-specific FAG ProTorq software
- **Easy to integrate, outmost powerful and anywhere applicable**
  - by contact-free signal and energy transmission, admission of torques up to several MNm and Intranet/Internet access to analysis results
- **Extensive information about the failure reason**
  - through combination of torque measurement with additional-process signals
- **Full service from a single source**
  - through immediate access to expert know-how as well as all-products and services of Schaeffler

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