

# Magnetic encoders

Magnetic encoders supply a dynamic signal to sensors giving information on speed and angular position.

## How it works

The magnetic poles provide a signal that is received by a sensor connected to a central control unit.

## Available applications

- Engine camshafts and crankshafts

## Designs available

- Encoders for axial and radial readings
- Sensor solutions with encoders and optimized sensor

## Features of the product include:

- Superior pitch precision
- Excellent chemical resistance
- Excellent temperature resistance

## Proven success record

- Dedicated production facilities and long history of high volume magnetic encoder manufacturing

## Benefits of the product include:

- Magnetic signal allows reduction of size and cost of the sensor
- Encoders can be used as the running surface of the seal for a cassette system
- Weight reduction compared to traditional metallic encoders
- Magnetization with different pole patterns at no additional cost
- High pitch precision for accurate sensing and optimum engine control
- Excellent chemical resistance and temperature range for long life

## With SKF, you get a truly effective product with the following advantages:

- Complete technical service
- Developed to specific customer requirements
- Fully automated production line with 100% magnetization inspection



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