

## Ultra-long-life Ball Bearings for Transmissions

NSK Ultra-long-life Bearing helps prevent surface flaking. The bearing life is increased by up to 3 times, in comparison with conventional bearings, and up to 10 times when used in combination with NSK's proprietary long-life ring heat-treatment technology (UR, HTF).

### Product Features

- Strengthened rolling element (Ball)
- Deposit of hard, minute particles of Si-nitride on the ball
- Special carbonitriding heat-treatment technology

### Benefits

- The bearing life was extended by at least 2 to 3 times against conventional technology for the bearing inner and outer rings
- With NSK's proprietary long-life ring heat-treatment technology (UR, HTF), the bearing life achieves more than 10 times that of a conventional product
- Life improvement makes bearing downsizing possible - leading to a weight reduction of up to 50% and a resulting 12% torque reduction

### Condition Description

- Contamination
- Low Friction

### Industries

- Automotive
- Power Transmission

