

# RBC Bearings

## CTRL™ Bearings

### INTRODUCING CTRL™ BEARINGS

by Schaublin

NEW



### Schaublin Bearings on the world's fastest train

The high-speed French train, with a souped-up engine and wheels, speeds on its way to break the world speed record for conventional rail trains in eastern France, Tuesday, April 3, 2007, reaching 574.8 kph (357.2 mph).

"When we hit 242 mph, it felt like an airplane taking off."

## Background

- Schaublin has created a PTFE self lubricating bearing designed to provide a **Continuous Torque Remaining for the Life of the bearing** by using expandable special feature to recover the wear
- Special design features utilized from Schaublin's precision machine collet product technology
- This bearing also reduces the inspection and maintenance costs endured by the customer

## A Performance Solution

CTRL™ bearings provide continuous torque and clearance free operation

CTRL™ bearings benefit from many technological assets of RBC-Bearings

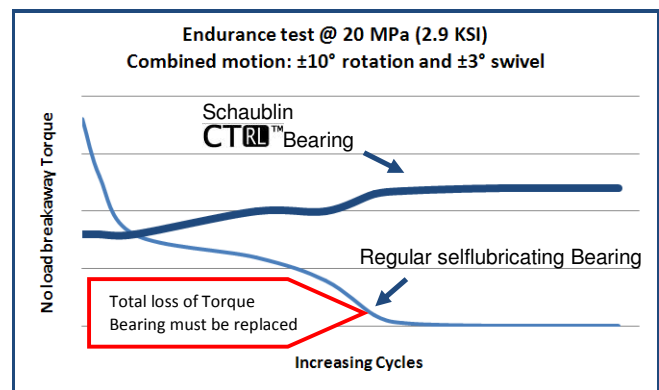
- Various liner systems (Uniflon®-E, Uniflon®-VV...)
- Full range of material choices and surface coatings
- Custom designs available

## Typical applications

Every application that does not allow any clearance in the joint, in a vibration environment and under reverse loads

- Railway applications: High Speed Trains, Intercity Trains, Trams, Metros
  - Secondary suspension joints
  - Anti roll bar linkages
  - Coach-to-coach dampers
  - Yaw dampers
- Heavy armored vehicles
- Other industrial and aerospace applications

**PATENT PENDING**



## Qualifications

CTRL™ Bearings are manufactured using proven technology

- Liner system meeting AS81820 for use in military and commercial aircraft applications
- Seal boots resistant to  $-40^\circ\text{C}$  ( $-40^\circ\text{F}$ ) and 80 bar (1'160 PSI) hose down pressure according to railway requirements
- Surface finishing, coatings, conformity of the spherical assembly and liner bonding are all controlled per special processes

## Availability

CTRL™ Bearings are available in combination with RBC Schaublin patents or RBC Trade Mark processes like our patented **F&T™** and low friction **UFT™** bearings

**RBC**  
BEARINGS

**SCHAUBLIN**

ISO9001  
EN9100

AQF-2  
EN9120