Examples from Application Engineering

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The Rh2016 „HERKULES“ is a general purpose diesel electric locomotive used for both goods and passenger transport. The order for Siemens SGP Graz from Austrian Railways (ÖBB) covers 70 locomotives with an option of another 80 units. The power of each locomotive is 1600 kW per axle. The scope of delivery for FAG Kugelfischer Georg Schäfer AG comprises all wheelset bearings.
Vehicle data

- Top speed: 140 km/h
- Diesel motor power: 2 000 kW
- Axle arrangement: Bo’Bo’
- Length: 19 275 mm
- Starting traction capacity: 235 kN
- Axle load: 20 t
- Total gross load: 80 t
- Maintenance interval: 1 million km

Bogie and wheelsets

Like with the „TAURUS“ heavy haul locomotive, the bogie design enables an easy passive radial adjustment of the wheelsets. The bogies feature wheel mounted disk brakes and a pinion- and hollow shaft drive. The tractive force is transmitted via truck pins.

Wheelset bearing

- Cartridge type unit with ASZ160Z.176236.- cylindrical roller bearings
- Bearing dimensions: Ø 160 x 270 x 170 mm
- Non rubbing sheet metal seals
- No relubrication required during operation
- Non destructive testing of bearing components

FAG Kugelfischer Georg Schäfer AG
Industrial Bearings and Services
Railway & Transport
Phone: +49 9721 91-3136
Fax: +49 9721 91-3788
e-mail: rail_transport@fag.de
Internet: www.fag.com