

# FAG Wheelset Bearing for the „ITINO“ Diesel Multiple Unit



## Examples from Application Engineering

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**ITINO, developed and built by Bombardier Transportation**

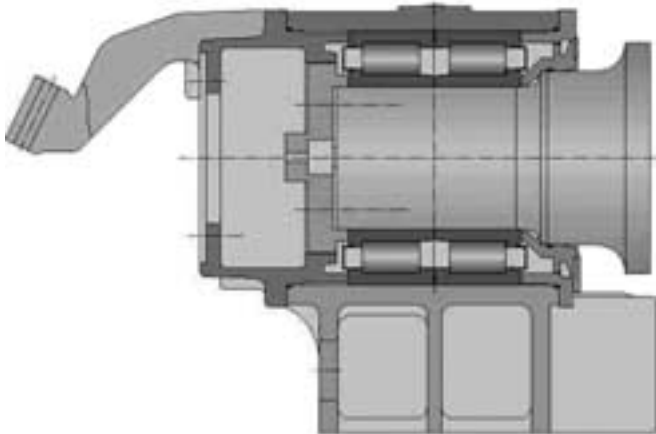
Courtesy of Bombardier Transportation

The technical design of the regional train „ITINO“ can be adapted to various customer requirements. The modular concept enables two, three and four-unit diesel-driven vehicles (DMU).

The carriages are designed for a operating speed of 160 km/h. The first 12 DMU's have been ordered by the Swedish railway operators Jönköpings Länstrafik (JLT) and Tåg i Bergslagen (TiB) within their cooperation program.

**FAG supplies special wheel bearing units for the ITINO consisting of spheroidal graphite cast iron housings and cylindrical roller bearings.**

## Wheelset bearing



An additional moment on the bearing is created by the external longitudinal arm and the optimum one-sided lateral force.

## Bearings

Two FAG 807081 wheelset bearings (Ø120x215x156 mm) are provided per wheel set.

The bearings, equipped with polyamide cages, are grease lubricated and sealed for long maintenance intervals.

## Housings

The compact unsplit ASG120Z.176283 housings are made of GGG-40.3 nodular cast iron.

## Fits

Shaft to p6 / housing to H7

## Lubrication and sealing

The bearings are packed with the FAG rolling bearing grease Arcanol L222 to EN12081.

The wheel end of the axle box is additionally protected by a flinger ring and two pressure discharge chambers.



**Journal roller bearing housing ASG120Z.176283**

### **FAG Kugelfischer Georg Schäfer AG**

Industrial Bearings and Services

Railway & Transport

Phone: +49 9721 91-3978

Fax: +49 9721 91-3788

e-mail: [rail\\_transport@fag.de](mailto:rail_transport@fag.de)

Internet: [www.fag.com](http://www.fag.com)