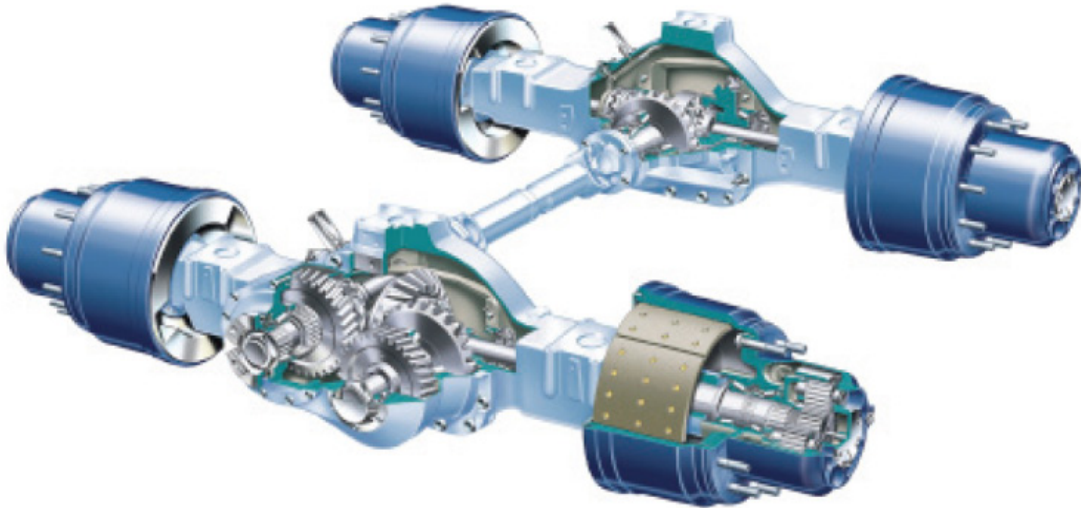


## FACTSHEET - REAR AXLE RT3312



### REAR AXLE RT3312

**RT3312 is a tandem axle with hub reduction, dimensioned for an engine torque of 3550 Nm. The maximum axle loading is 33 tons and the combination weight is 120 tons.**

RT3312 consists of two spiral bevel single gear units, with a distribution gearbox in the forward rear axle. The axle casing is cast in nodular iron, giving a compact design with high ground clearance. Most of the torque conversion takes place in the reduction gears in the wheel hubs.

This is a reliable design which takes the form of a cylindrical planetary gear with straight-cut gears on needle bearings, giving low drive losses. RT3312 is designed for heavy, demanding haulage and train weights of up to 100 ton. The two-axle drive means that the tractive effort can be transferred to the ground without wheel slip, giving excellent grip and very low tyre wear.

RT3312 has three differential locks, one for the forward and one for the rear gear units and one for the distribution gearbox. This guarantees very good grip when the surface is slippery, which results in higher truck productivity.

The diff locks are controlled by a two-stage switch on the instrument panel. When the first stage of the switch is selected the diff lock on the distribution gearbox is engaged, coupling the two rear axles together. When the second stage of the switch is selected, the driveshafts of the two rear axles are coupled together.

A combination of new production methods and special oil has resulted in longer oil change intervals. This means lower operating costs and reduced environmental impact. With an approved synthetic oil, an oil change is needed after at most 450 000 km or every three years.

### FEATURES AND BENEFITS

- Spiral bevel single gear units with high efficiency and low servicing requirements
- Sturdily dimensioned and hardened shafts and gears
- Hub reduction gears reduce loads on the drive line
- Wheel bearings in the form of maintenance-free unit bearings give longer life and easier servicing
- Three reliable diff locks give high vehicle availability
- High ground clearance
- Robust axle housing for high load capacity