

newsletter

09



BEARING MANUFACTURING INDIA

01 Commercial Vehicle Bearings | Compact Bearings

BMI Bearings is proud to offer a wide range of compact bearings for the European Commercial Vehicles.

The non-standard bearings plant of BMI has successfully developed and tested the bearings for different applications of Volvo, Scania, DAF, Renault, MAN and many other brands.

BMI Manufacturing Bearings are subject to strict design, quality and life tests during the development stage. The high

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quality of grease from BECHEM, Germany ensures OE equivalent life.

Advantages of Hub Wheel Truck Bearings/Compact Bearings

- Reduction of components and hence lesser assembly time.
- Easy to assemble as already pre-set by manufacturer.
- Minimum maintenance as lubricated for life.
- Lesser contamination risk due to minimum handling.

For entire range of compact bearings, please ask for a catalogue on sales@bmibearings.com

02 MAINTENANCE TIPS: Bearing preload

The bearing preload is adjusted by tightening the axle nut down against two cone-shaped bearings. As the nut is tightened, the hub assembly becomes tight and the play is removed from the system. Once the bearing preload is adjusted, a lock is installed to prevent the axle nut from moving.

- Torque the adjusting nut to 200

lb-ft to seat the bearing components. Always rotate or oscillate the wheel while torquing the adjusting nut to ensure that the rollers are fully seated against the cone large rib.

- Back off the adjusting nut one full turn or until it's loose.
- This is where you actually establish end play. Torque the adjusting nut to 50 lb-ft while rotating the wheel hub assembly.

- Back off the inner (adjusting) nut the appropriate amount e.g., 1/6 of a turn for a 12-threads-per-inch front steer axle. Refer to chart provided by Timken for the exact back-off amount.
- On a single-nut system, install a cotter pin. On a double-nut system install a jam nut and torque it to proper specification, which varies depending on the size of the nut.

<http://www.crashforensics.com/wheelandhubfailures.cfm>

