The Timken Company and TMC are dedicated to improving maintenance shop practices and making highways a safer place to drive. As the market leader and expert in tapered roller bearings, we at Timken want to provide you with the most current inspection and maintenance information. That’s why we have developed the following quick index to TMC’s Recommended Maintenance Practices (RPs) that pertain to TRBs. For best results and ensured safety, we encourage all maintenance professionals to refer to these guidelines when handling wheel or drivetrain bearings.

**RECOMMENDED PRACTICES FOR WHEEL BEARINGS**

**RP 618: WHEEL-END ADJUSTMENT PROCEDURES**
This outlines a nine-step procedure to achieve a verifiable wheel bearing end play of 0.001" to 0.005".

**RP 622: WHEEL SEAL AND BEARING REMOVAL, INSTALLATION, AND MAINTENANCE**
RP 622 provides guidelines for acceptable storage, handling, and installation of wheel seals and bearings.

**RP 631A: RECOMMENDATIONS FOR WHEEL END LUBRICATION**
Recently updated RP 631A offers operational considerations for inspecting and servicing oil, grease, and semi-fluid wheel ends.

**RP 640: ALTERNATE WHEEL BEARING ADJUSTMENT SYSTEMS**
This recently developed RP identifies and briefly explains conventional adjustable, pre-adjusted, and unitized wheel ends and is informational, not instructive.

**RECOMMENDED PRACTICES FOR DRIVETRAIN BEARINGS**

**RP 610A: DRIVELINE DESIGN CRITERIA AND MAINTENANCE GUIDELINES**
This RP provides guidelines for the evaluation of drivetrain designs and installation. Loads from drivetrain universal joints are transmitted to tapered roller bearings in transmissions, transfer cases and axles. Bearing performance will be optimized at these positions by following this RP, and NVH (Noise, Vibration, Harshness) of the entire drivetrain will be minimized.

The Timken Company and TMC care about your safety and the safety of everyone on the road. Please follow recommended wheel-end and drivetrain inspections and maintenance guidelines outlined in TMC’s Recommended Practices Manual. Developed by the nation’s top fleet managers and vehicle engineers, this two-volume set is a must have for every maintenance professional. For pricing information, or to order, call (800) ATA-LINE or (703) 838-1763.
SAFETY CHECK

According to the National Transportation Safety Board, the incidence of wheel separations is about 750 to 1,050 per year. The Safety Board identified improper wheel maintenance as a potential cause. Most often cited were inadequate in-service inspection guidelines and failure to adhere to recommended maintenance practices. At The Timken Company, we care about the safety of you and everyone on the road. That’s why we do our best to bring you recommended inspection and maintenance guidelines that keep everyone safe.

WARNING!

Proper maintenance and handling practices are critical. Failure to follow installation instructions and to maintain proper lubrication can result in equipment failure creating a risk of serious bodily harm. Never spin a bearing with compressed air. The rollers may be forcefully expelled creating a risk of serious bodily harm.

Safet Y Check

Order Form

To order Heavy Duty Bearing Maintenance or Bearing Safety, please complete this form and fax it to: 330-471-7032 or mail it to:

Heavy Duty Bearing Brochures
The Timken Company
Mail Code: GNW-37
1835 Dueber Avenue, SW
Canton, Ohio 44706-0932

Name: ____________________________________ Title: ____________________________

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