

# LIGHTER. COOLER. FASTER.

# TIMKEN

Lightweight Timken® RacePac® Front and Rear Wheel End Assemblies.

For stronger performance, we re-engineered RacePac wheel end assemblies to **enhance speed and performance** on all types of tracks while **increasing your team's efficiency** in the shop.

## TIMKEN-DESIGNED ZERO-TORQUE SEAL\*

**Excellent performance:** Seal works off positive air pressure, keeping contaminants out.

**More horsepower potential** due to less seal drag.

## HUBS

**More speed:** 2 pounds lighter (8 pounds total unsprung weight reduction). Meets minimum weight requirement of 6.25 lbs.

**Durability** maintained with lightweight design.

## TIMKEN® RACEPAC® TAPERED ROLLER BEARINGS\*

**30% cooler operating temperatures\*\*:** Improved internal geometry reduces sliding contact stress and provides consistent rolling torque.

**Reduce bearing replacement costs:** Enhanced durability due to lower operating temperatures.

**Improved drivetrain efficiency:** Reduced bearing power loss results in a cooler running hub.

**Ready to install:** Bearings pre-lubed, pre-set and pre-assembled to Timken specifications.

FRONT RACEPAC



## GREASE CONTAINMENT DAMS

**Maintain proper lubrication:** Keeps grease in critical areas; additional grease dam in the rear hub helps reduce operating temperatures.

## ENGINEERED SPACERS

**Reduces setup time and increases stiffness:** Precise design helps optimize bearing setting.

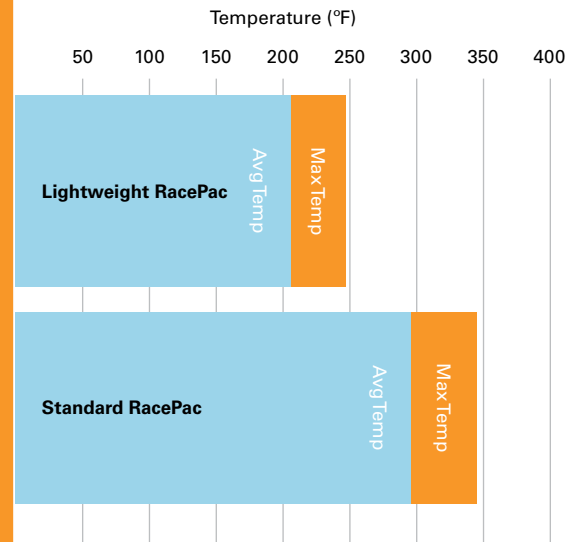
\*Available exclusively in RacePac.

\*\* Rear bearing rig testing.

# UPDATE Rear RacePac Enhanced and Tested for Stronger Performance

- + Benchmarked against the existing RacePac, we enhanced the robustness and conducted successful 12-hour internal rig tests.
- + History shows that successful testing is an indicator of stronger performance regardless of car setup or track.
- + Multiple tests completed designed to optimize grease fill, lubricant retention, bearing setting and enhanced bearing internal geometry.
- + More durable and lighter hub with less unsprung weight on the rear axle.
- + Reduces the amount of cooling needed for rear hubs which can enable additional aerodynamic adjustments.

Rear Bearing Rig Operating Test Temperatures\*



\*Test conditions simulated for loads and speeds seen at Charlotte Motor Speedway.

## SAVE TIME AND COSTS WITH OUR DEDICATED RACEPAC REFURBISHMENT PROGRAM

Our **dedicated refurbishment program** consists of: inspection, magnetic particle inspection, cleaning, replacement of necessary components, re-greasing and repackaging. We return completely refurbished RacePac wheel end assemblies to you – **saving you time and costs.**

For more product information, contact your Timken sales engineer.



REAR RACEPAC

# TIMKEN

The Timken team applies their know-how to improve the reliability and performance of machinery in diverse markets worldwide. The company designs, makes and markets high-performance mechanical components, including bearings, gears, belts, chain and related mechanical power transmission products and services.

[www.timken.com](http://www.timken.com)

Stronger. By Design.