

**EXCLUSIVE**

# LOW FRICTION 9" 3<sup>RD</sup> MEMBER



**We've used every trick in the book to eliminate friction...which translates into quicker elapsed times and improved reliability. You won't find a more efficient 9" Ford Thirdmember anywhere else.**

In Pro Stock and Comp Eliminator every thousandth of a second counts. In our quest to provide customers with the best possible driveline components, we've developed a Low Friction 9" Ford Thirdmember that's second to none on the market today. Just spin one over and you'll see for yourself.

We started with our aluminum draw-through style carrier and equipped it with our new Sure-Lock™ adjuster system that prevents back-out and makes all other methods obsolete. A special ceramic double angular contact pinion support bearing reduces friction and also adds rigidity to the pinion. We've employed angular contact spool bearings, which substantially reduce friction —while maintaining correct ring gear position. And a low drag pinion seal, used in conjunction with our aluminum pinion yoke, reduces the pre-load drag by about 5 inch-pounds.

The gears are specially designed 9-1/2" diameter models made for M-W by Richmond, and the ring gear has been pocket lightened to reduce any unnecessary weight. Then they're micro-polished using our highly regarded Supra-Fin™ process (which reduces friction and eliminates the material transfer normally found in the break-in process), and a Sub-Zero thermo-treatment is employed to eliminate the possibility of retained austenite. Available ratios are 5.00, 5.11, 5.14 and 5.17 (others are being developed). A 32-spline input (same size as the transmission) eliminates another potential weak link.

Finally, the unit is meticulously assembled by a skilled technician at the optimum setting for each element —with everything documented. Nothing is left to chance! The completely assembled units are priced at **\$4,275** using the 9-1/2" gears. Low Friction Thirdmembers can also be built using other gears —call for prices.

## LOW FRICTION THIRDMEMBERS FEATURE:

- Pocket Lightened Ring Gear
- Supra-Fin™ Finished Gears
- Ceramic Pinion Support Bearings
- Aluminum Hard-Coated Yoke
- Low Drag Pinion Seal
- Aluminum 40-Spline Spool
- Angular Contact Spool Bearings
- New Sure-Lock™ Adjuster System
- 32-Spline Pinion Input (9-1/2" Gear)
- Sub-Zero Treated Ring & Pinion
- Low-Drag Assembly Procedures
- Optional Pressure Lube System

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Visit the Mark Williams Enterprises Race Support unit at any NHRA National event. Not only will you find an inventory of ready-to-run Low Friction Thirdmembers, but also a vast assortment of chassis and driveline parts, ranging from rod ends to spools. Stop by and check out all the latest gear.

# EXCHANGE PROGRAM!

Mark Williams Enterprises makes it easy to always have a race-ready unit on hand thanks to a unique exchange program. Simply take your Low Friction Thirdmember to the M-W trailer at any NHRA National event and exchange it for a "fresh" unit. The normal cost is **\$1,068**, which includes a brand new ring & pinion gear set. Changing gear ratios is permissible at no extra cost. Naturally, if any damage has been done to the unit, extra charges will be incurred. Incidentally, a special gear lube made by Torco is used. You can also exchange Thirdmembers through M-W's factory using UPS, etc.

## M-W's New Universal Joint "Cap" Assembly Eliminates The Weak Link With 1350 U-Bolts!

- Provides complete 360° U-joint cap retention
- Cap is CNC-machined from chrome moly billet
- Features special 150,000 PSI chrome moly studs with rolled threads and 12-point nuts
- Compatible with all M-W forged steel pinion yokes
- Increases the 1350 joint torque capacity over standard formed 3/8" U-bolts
- M-W part no. 39112 - \$75.00 per set with nuts



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40<sup>th</sup>  
Anniversary

Designed, Tested  
and Manufactured  
In House...  
in the USA



Send \$5 for a postpaid copy of our new 92-page full color catalog and a handy plastic gear ratio computer.

For additional info and special deals visit: [www.markwilliams.com/345](http://www.markwilliams.com/345)