

# MATRIX T-RAD™

## THE GENUINE QUALITY TAPERED ROLLER BEARING



### WHY MATRIX T-RAD BEARINGS? OLD-SCHOOL QUALITY.

This tapered roller bearing could punch in for work tomorrow and not punch out until retirement. Dedicated employees like that, let alone quality bearings, are hard to come by, but you've found one.

In a time when manufacturers look to save on material costs and boost margins, we looked to a time when quality parts weren't made using cheap filler or lower-grade substitutes so we could produce bearings that good.

Needless to say, the Matrix T-RAD is the real deal. We don't pull any punches during manufacturing and use only the highest-grade raw materials. These are OE-quality by anyone's standard – especially if you're from the last century.

### WHAT MAKES THE T-RAD SPECIAL? ALL WORK, LESS PLAY.

As far as performance goes, Matrix T-RAD bearings compete with the best. (*Or, at least, the ones perceived to be.*) In many cases, we outperform them. You only need to take a T-RAD bearing in hand to feel its convincing construction.

Short of putting it into service, you can get a glimpse into its quality engineering by giving it the “tambourine” test. Simply shake it, then a competitor's, and compare rattles. Less rattling means tighter tolerances, and the T-RAD has less play in it than a popular leading brand – hard to argue with results like that.

After all, it's an “old-school” bearing, remember? And we stand behind it:

- Superior-grade, pure steel composition
- State-of-the-art manufacturing
- More precise, tighter tolerances
- Satisfaction guaranteed

### HOW WELL DO THE ELEMENTS INTERACT? LIKE A WELL-OILED RECITAL.

Conical rollers and raceways are designed so each element of them meet at a common apex on the bearing's axis. Strict tolerances ensure unrestricted movement, while internal geometry promotes hydrodynamic lubrication. All told, every movement is a choreographed gem of engineering more befitting a ballet stage than a wheel axle.

# THESE BAD BOYS NOT ONLY ROLL WITH THE PUNCHES, THEY PACK A MEAN ONE.



Matrix T-RAD Combo Set P/N	Cup	Cone	Common Use
MTR-S401	572	580	Standard R Drive Axle (Outer Bearing)
MTR-S403	592-A	594-A	Standard R Drive Axle (Inner Bearing)
MTR-S405	653	663	Standard Trailer Axle (Inner) & Rear Drive Axle/Trailer Axle (Outer)
MTR-S406	3720	3782	Standard FF Steer Axle (Outer Bearing)
MTR-S413	HM212011	HM212049	Standard FF Steer Axle (Inner Bearing) & Standard N Trailer Axle (Outer Bearing)
MTR-S414	HM218210	HM218248	Standard N Trailer Axle (Inner Bearing)
MTR-S415	HM518410	HM518445	Standard P Trailer Axle (Inner & Outer Bearing)
MTR-S423	6420	6461-A	Standard FL Steer Axle (Inner Bearing)
MTR-S424	552-A	555-S	Standard FL Steer Axle (Outer Bearing)
MTR-S425	563	567	Front Steer Axle/Trailer Axle (Inner) & Rear Axle (Outer) - Mack

Always follow TMC RP 618A, a wheel bearing adjustment procedure, appearing in TMC's 2010-2011 Recommended Practices Manual, and is published by the Technology & Maintenance Council (TMC) of American Trucking Associations.

## ARE YOU MATRIX MATERIAL?



Wouldn't it be nice if the wheels on the bus always went 'round and 'round, as the children's song goes? Unfortunately, cheap low-grade replacement parts have to go and muck things up for everyone and that ain't cool. So we back to the way they used to make bearings, because you can't go back to 1977 to get them. Can you dig it? Call 1-888-411-9916 or go to [Neobrake.com](http://Neobrake.com).