

INDUSTRY OPPORTUNITY

ATRO PARTS
ENGINEERED | DURABLE | RELIABLE
MANUFACTURED IN ST. CLAIR, MISSOURI | U.S.A.

CONCRETE MIXER MAINTENANCE

Prime Time for Concrete Mixer Truck Maintenance: January & February: *Chalmers, Haulmaax, HN, Primaax and more!!!*

In a concrete mixer application the drum rotates clockwise (as viewed from the rear) and this rotation shifts the load upwards and to the left side of the drum. This shift of load along with the high center of gravity built into the mixer design can contribute to rollovers when the truck is making right turns. Loose or worn torque rod bushings will reduce the torque rod's ability to absorb the cornering forces and can contribute to the rollover possibility. For this reason it is very important to routinely check the torque rod bushings for movement. This can be done prying against the bushing or simply rocking the truck forward and backward while observing the bushings. Any movement greater than 1/8" should be addressed by replacing or re-bushing the torque rod.

Worn Torque Rods:

- Contribute to mixer roll-over
- Affect driveline angles & U-Joint wear
- Contribute to misalignment & tire wear
- Contribute to ring & pinion failure
- Can cause leaking transmission & differential seals

ATRO All Makes Torque Rod Solutions:

- Replacement Bushings
- Two-piece weldable torque rods
- Complete OEM replacement torque rods

NOTE: Use Torque-Rod.com to identify any rod.

ATRO Torque Rod Bushings:

- Polyurethane material is more durable than rubber
- Polyurethane material is impervious to chemical attack (includes acidic cleaning solvents)
- Feature rotating pins that automatically "zero out" to ride height and allow easy installation
- Rotating pins allow for multiple OE rod replacements with one rod



ATRO POLYURETHANES

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KEY FEATURES: *The ATRO Difference*

ATRO maintains 11 proprietary formulations, ATRO Polys, each having unique physical properties to optimize performance. Whether absorbing a shock or transferring energy, ATRO is engineered to function based on the demands of the part. ATRO provides polyurethane parts and solutions for heavy trucks.

WHAT MAKES **ATRO PARTS** DIFFERENT ...

The Material

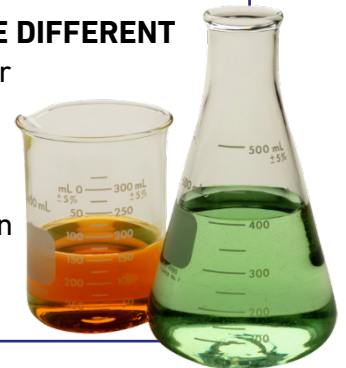


11 PROPRIETARY ATRO POLY FORMULAS

Upon evaluation of the application and the purpose/function of the part, ATRO will determine which specifically formulated poly. ATRO meets or exceeds OE specs, matches or improves ride performance.

POLYURETHANES ARE DIFFERENT

- Ranging Durometer
- Tensile Strength
- Tear Strength
- Compression Set
- Ultimate Elongation
- Rebound



ATRO Polyurethane is better than Rubber

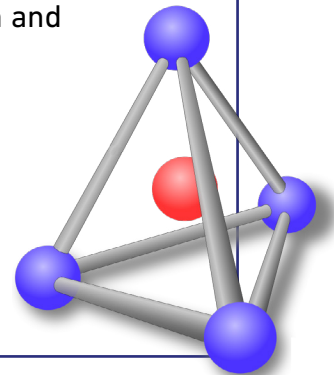


STRONGER MATERIAL

- ATRO Polys are specifically engineered to the function of the part providing added durability and reliability to the suspension.
- ATRO Polys absorb energy, some deflect energy. Some maintain higher rebound or greater compression. Each part engineered for purpose and functionality.
- Rubber primarily maintains one set of properties.
- ATRO Polys maintains at least 2x or greater tensile and tear strength and 2x the elongation vs. rubber.

CHEMICALLY RESISTANT

- ATRO Polys are impervious to oil, grease, brine, cleaning solvents, hydraulic fluids and diesel fuel.
- Rubber deteriorates in similar conditions.



CELEBRATING 30 YEARS
ATRO
POLYURETHANE • SOLUTIONS

POLYURETHANE PARTS | SOLUTIONS FOR HEAVY TRUCKS

ATROBUSHING.COM
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