

# TECHNICAL BULLETIN

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

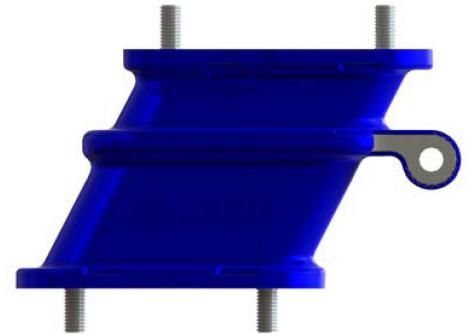
## HAULMAAX® BOLSTER SPRING KIT

**ATRO PART NUMBER LP50-24179**

ATRO bolster springs are designed to meet the OE Load Curve. ATRO's Polyurethane is stronger not harder than the OE rubber and is designed to improve suspension performance.

### NEW BOLSTER SPRING FEATURES & BENEFITS:

- Improved durability, enhanced load handling capabilities and increased stability by removing grooves to provide more load bearing area
- Reduced ride height by 3/8" to ensure overload spring can engage



### NOTES:

- Do not use both old and new bolster springs on the same truck
- Do not mix rubber bolster springs with any ATRO bolster springs on the same truck
- Adjust Auxiliary Springs to within 1/4" - 1/2" of shim plates when truck is unloaded. Auxiliary Springs should be contacting the shim plates when truck is fully loaded.
- Any excessively worn Auxiliary Springs must be replaced. ATRO's new profressive load spring (LP50-24778 is recommended. (See installation guide on [www.atrobushing.com](http://www.atrobushing.com)). The original auxiliary spring (LP50-24947) is also available.



**Contact ATRO customer service with questions or for more information  
about the full line of ATRO parts at 1.800.325.6114.**

# ATRO POLYURETHANES

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

## 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*

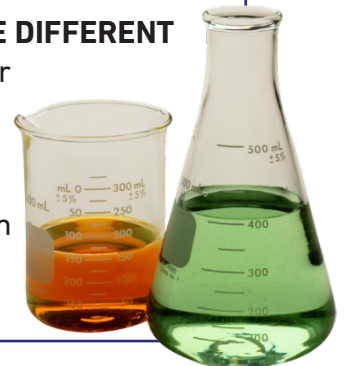


#### 11 PROPRIETARY ATRO POLY FORMULAS

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*



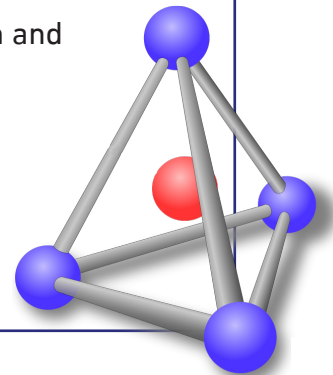
#### STRONGER MATERIAL

- 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  
©2017 ATRO ENGINEERED SYSTEMS, INC.

6 Bolte Lane  
St. Clair, Missouri 63077 | U.S.A.  
(800) 325.6114 | Fax (866) 920.2005