

ATRO

Product Spotlight

PS026-010125

1/1/2025

Polyurethane Trailer and Dock Bumpers

The bumpers that won't quit.

When it comes to protecting trailers and docks, ATRO bumpers do the job better and last longer. Designed with ATRO's exclusive polyurethane formulas and optimized shapes, our bumpers withstand continuous use and deliver up to 15 times the lifespan of rubber parts in the same application.



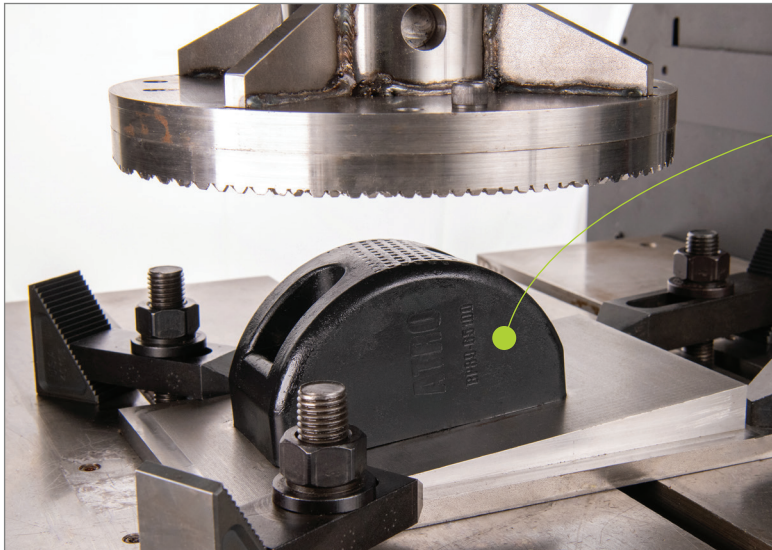
BP99-65003 Trailer Bumper
CAD Rendering

- ATRO polyurethanes are 3-5 times stronger than rubber.
- Resistant to oils, grease, road salt, and other chemicals.
- Specific compounds optimize the performance of each part.



ATRO Bumpers: One of the simplest ways to make a big impact.

Our bumpers are first-fit for some of the industry's most recognized OEMs.



ATRO Dome-Shaped Trailer Bumper in simulated load and impact test.

Superior Polyurethane Construction

- Protect trailers and docks from impact damage
- Tested to maintain shape and performance at 250,000 cycles. Rubber fails at 16,000 cycles.
- Lasts years instead of months—won't degrade when exposed to chemicals or weather.
- Saves 1-2 hours downtime and labor costs due to fewer replacements.

Unique Shapes for Optimal Performance

- Domes and rectangles specifically designed for impact resistance and easier installation.

Industry Best Warranty

- U.S./Canada 3-year warranty
- Export 1-year warranty



ATRO Parts. Performance that drives your success.

ATRO, LLC | 6 Bolte Lane | St. Clair, MO 63077 USA | Phone (800) 325-6114

www.atrobushing.com

© 2025 ATRO, LLC

ATRO

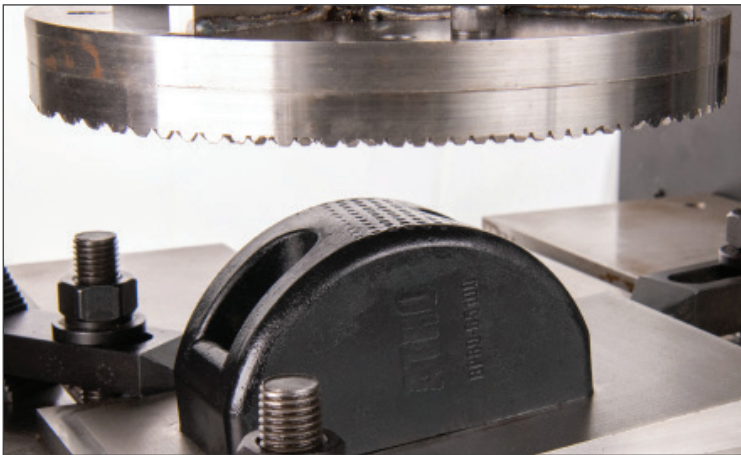
Product Testing Trailer Bumpers

The Bumper Battle: ATRO Poly vs. Rubber

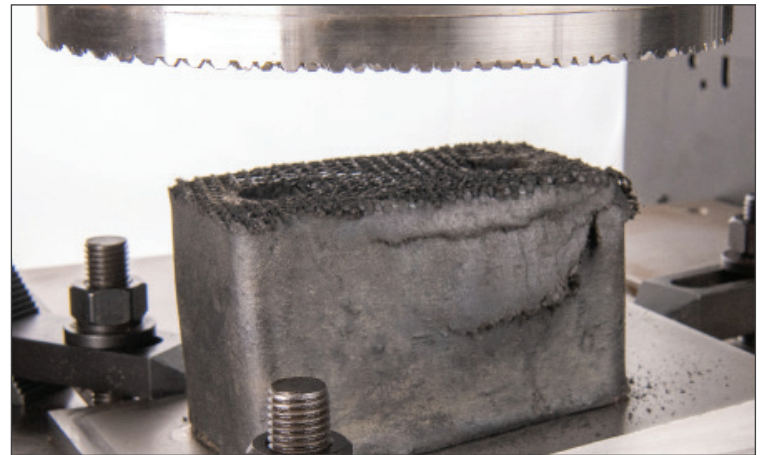
ATRO's polyurethane bumper lasts through 250,000 cycles with minimal wear.

In a rigorous comparative test, under simulated conditions to mimic real-world usage, our team matched ATRO's polyurethane trailer bumper against a standard OEM rubber trailer bumper to assess durability and performance.

- ATRO polyurethanes are 3-5 times stronger than rubber.
- Resistant to oils, grease, road salt, and other chemicals.
- Specific compounds optimize the performance of each part.



The ATRO polyurethane bumper lasted through 250,000 cycles and was still going strong. The bumper contact surface is still in good shape.



The rubber bumper failed after 16,250 cycles and began to break apart. The bumper contact surface was significantly damaged by the impact.

Test Procedure

The test exposed the bumpers to repeated impacts against a hardened steel plate at a force of 5,000 lbs. The objective was to accelerate wear and evaluate the durability of the bumpers over time—with bumper failure or the completion of 250,000 cycles as the endpoint.

With the ATRO bumper lasting about 15 times longer, the test proved the superior durability of ATRO's polyurethane over the standard OEM rubber trailer bumper.

Results

Durability:

- The ATRO bumper lasted 250,000 cycles without failure
- In contrast, the OEM bumper failed at just 16,520 cycles

Visual and Structural Integrity:

- Minimal visual and structural damage to the ATRO bumper, indicating durability under significant impact stress.

ATRO Parts. Performance that drives your success.

ATRO, LLC | 6 Bolte Lane | St. Clair, MO 63077 USA | Phone (800) 325-6114

All information is subject to change without notice. Manufacturer and brand names used without permission for product reference only.

www.atrobushing.com

© 2025 ATRO, LLC

| ATRO PN | CAD Image | Description | Cross Reference | Height" | Width" | Length" | Bolt Hole ID" | Bolt Holes C-C" |
|------------|---|---------------------|--|---------|----------|---------|---------------|---------------------|
| BP52-34203 |  | Trailer/Dock Bumper | Common/Miscellaneous | 3 3/4" | 3" | 6" | 1/2" | 3" C-C |
| BP89-65100 |  | Trailer Bumper | Hyundai HY10046289 Stoughton 04-86997-001-00 | 3 1/8" | 2 15/16" | 5 7/8" | 1/2" | 3" C-C |
| BP89-65300 |  | Trailer/Dock Bumper | Stoughton | 3.725" | 5 1/2" | 7 1/2" | | 5 3/8" C-C x 3" C-C |
| BP99-34303 |  | Trailer Bumper | Great Dane SL3000W James King 3044 | 3 3/8" | 2 3/4" | 5 9/16" | 1/2" | 2 1/2" C-C |
| BP99-34312 |  | Trailer/Dock Bumper | Wabash | 3 1/4" | 2 1/2" | 6" | | 2.63" C-C |
| BP99-34408 |  | Trailer Bumper | Fontaine 50407007 | 2" | 2" | 12" | 1/2" | 4 1/2" C-C |
| BP99-34863 |  | Trailer Door Bumper | Great Dane 42500863 | 1.12" | 1 7/8" | | 1/2" | |
| BP99-36037 |  | Trailer Bumper | Common/Miscellaneous | 3.3" | 3" | 6" | 1/2" | 2 1/2" C-C |
| BP99-36038 |  | Trailer Bumper | James King 3043 | 3.2" | 4" | 6.1" | 1/2" | 2.4" C-C |
| BP99-36040 |  | Trailer Bumper | Fontaine B552641 James King 3042 Vanguard RDB00002 | 1 3/4" | 1 15/16" | 7" | 3/8" | 4 1/2" C-C |
| BP99-65000 |  | Trailer Door Bumper | Freightliner FTG 022 01085 Mack 9817-02201085 Sterling FTG 022 01085 Utility Trailer 3-1250-25 Volvo FLE02201085 | 1 7/8" | 1 5/8" | | 1/2" | |



| ATRO PN | CAD Image | Description | Cross Reference | Height" | Width" | Length" | Bolt Hold ID" | Bolt Holes C-C" |
|------------|---|---|---|----------|--------|---------|---------------|---------------------|
| BP99-65020 |  | Trailer Bumper | James King 3035 Utility Trailer 03-1250-0-214 | 3 1/2" | 2 5/8" | 4 5/8" | 7/16" | 2 3/8" C-C |
| BP99-65040 |  | Trailer Bumper | James King 3630 Kentucky Trailer T-9000 Utility Trailer RDB-003 Wabash WAB21400098 | 3 3/4" | 3" | 5 3/4" | 1/2" | 3 1/2" C-C |
| BP99-650B1 |  | Door Bumper | James King 3050 | 1" | 2 1/2" | | .45" | |
| BP99-65182 |  | Trailer Bumper | Benson Trailer B52641 Great Dane 035-25182 | 3 1/2" | 2 1/2" | 6 1/4" | 1/2" | 3 3/4" C-C |
| BP99-65304 |  | Trailer Bumper | Great Dane 41700301; 41700304 | 3 1/2" | 2 3/4" | 5 5/8" | 1/2" | 2 3/4" C-C |
| BP99-65535 |  | Bumper/Arm Stop | Heil 01411535 | 2 13/16" | 4 1/2" | 9 7/8" | 5/8" | 5" C-C |
| MS99-34008 |  | Trailer/Dock Bumper | Great Dane 30036; 41700322 | 3 5/8" | 5 1/2" | 8" | .775" | 3.4" C-C x 5.5" C-C |
| MS99-65035 |  | Bumper Pad Refuse Bumper | McNeilus 0602035 | 3" | 6" | 7 7/8" | 1/2" | 5 1/2" C-C x 3" C-C |
| MS99-65038 |  | Trailer Bumper | McNeilus 0120500 Stoughton 04-85104-PLY-00 | 3 1/2" | 3" | 6" | 1/2" | 3" C-C |
| MS99-65045 |  | Bumper Pad (Severe Duty) Refuse Bumper | McNeilus 0602035 | 3" | 6" | 7 7/8" | 1/2" | 5 1/2" C-C x 3" C-C |

