

ATRO

Parts Guide

Trailer Parts

Bumpers
Equalizer Bushings & Kits
5th Wheel Bushings
Pivot Bushings & Kits
Suspension
Torque Rods & Bushings



ATRO Parts. Performance that drives your success.

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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.



BP99-65003 — Trailer Bumper

- 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.



Test Procedure

The test involved subjecting the bumpers to repeated impacts against a hardened steel plate designed to accelerate wear at a force of 5,000 lbs. The objective was to evaluate their resilience over time, with failure or the completion of 250,000 cycles as the endpoint.

Key Findings

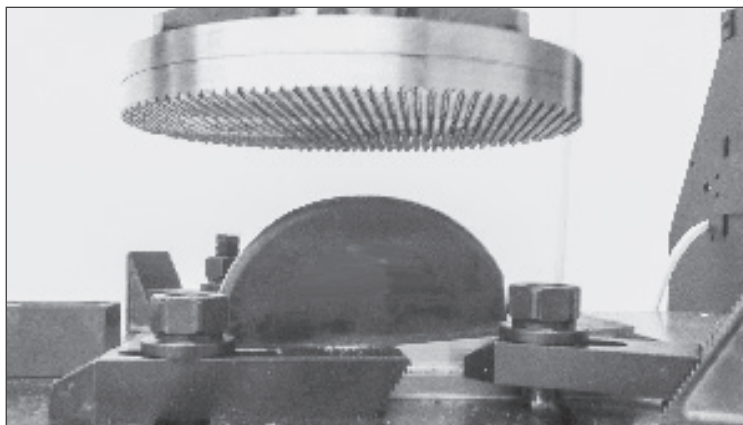
Durability: The OEM bumper failed at just 16,520 cycles, as indicated by the test fixture plate impacting the head of the upper mounting bolt. In stark contrast, the ATRO bumper withstood 250,000 cycles without failure.

Visual Integrity: Minimal visual damage to the ATRO bumper, indicating resilience under mechanical stress.

Conclusion

The test proved the superior durability and performance of ATRO's polyurethane trailer bumper over the standard OEM rubber bumper. With the ATRO bumper lasting about 15 times the number of cycles without failure, it presents a compelling case for its use in applications where longevity and reliability are essential. This performance, corroborated by ATRO's success in real-world applications, underscores the advantages of ATRO's polyurethane solutions.

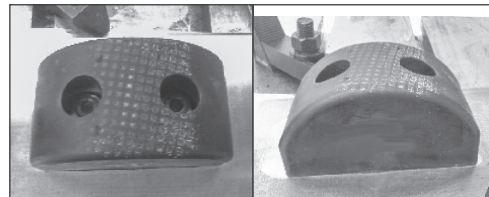
Test Method



We bolted the bumpers to a machined 5° angle base plate to simulate how trailer bumpers contact a dock—then impacted with a hardened steel plate.



The OEM rubber bumper failed at 16,250 cycles.



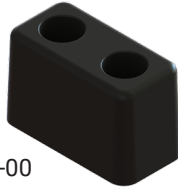
The ATRO polyurethane bumper is fully functional and going strong at 250,000 cycles.

BP52-34203

Dock Bumper

H: 3 3/4"
WD: 3"
LG: 6"
BOLT: 1/2", 3" c-c

McNeilus: 120500
Stoughton: 04-85104-PLY-00



BP89-65100

Bumper

H: 3 1/8"
WD: 2 15/16"
LG: 5 7/8"
BOLT: 1/2", 3" c-c

Hyundai: HY 10046289
Stoughton: 04-86997-001-00



BP91-34046

Trailer Door Bumper

ID: 3/8"
OD: 1 11/16"
H: 3/8"
Counterbore ID: 3/4"
Counterbore Depth: 9/16"

Vanguard National: RDB00004



BP99-34303

Trailer Bumper

H: 3 3/8"
WD: 2 3/4"
LG: 5 9/16"
BOLT: 1/2", 2 1/2" c-c

Great Dane: SL3000W
James King: 3044



BP99-34312

Trailer/Dock Bumper

H: 3 1/4"
WD: 2 1/2"
LG: 6"
BOLT: 2.63" c-c

Hyundai: 76007502



BP99-34408

Trailer Bumper

H: 2"
WD: 2"
LG: 12"
BOLT: 1/2", 4-1/2" c-c(3)

Fontaine: 50407007



BP99-34863

Trailer Door Bumper

ID: .38"
OD: 1.7"
LG: 1.12"

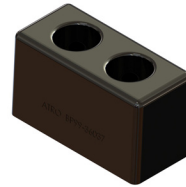
Great Dane: 42500863



BP99-36037

Trailer Bumper

H: 3.3"
WD: 3"
LG: 6"
BOLT: 1/2", 2 1/2" c-c

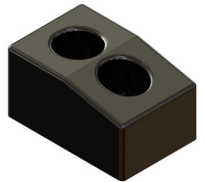


BP99-36038

Trailer Bumper

H: 3.2"
WD: 4"
LG: 6.1"
BOLT: 1/2", 2.4" c-c

James King: 3043

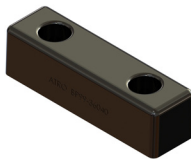


BP99-36040

Trailer Bumper

H: 1 3/4"
WD: 1 15/16"
LG: 7"
BOLT: 3/8", 4 1/2" c-c

Fontaine: B552641
James King: 3042
Vanguard National: RDB00002



BP99-65000

Trailer Door Bumper

OD: 1 7/8"
LG: 1 5/8"
BOLT: 1/2"

Sterling Truck: FTG 022 01085
Utility Trailer: 3-1250-25



BP99-65020

Trailer Bumper

H: 3 1/2"
WD: 2 5/8"
LG: 4 5/8"
BOLT: 7/16", 2 3/8" c-c

James King: 3042
Utility Trailer: 03-1250-0-214



BP99-65040

Trailer/Dock Bumper

H: 3 3/4"
WD: 3"
LG: 5 3/4"
BOLT: 1/2", 3 1/2" c-c

James King: 3630, 3781
Kentucky Trailer: T-9000
Tramec: 30027
Utility Trailer: RDB-003
Wabash: WAB21400098

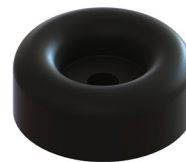


BP99-650B1

Door Bumper

ID: .45"
OD: 2 1/2"
H: 1"

James King: 3050
Trelleborg: B1



BP99-65182

Bumper

H: 3 1/2"
WD: 2 1/2"
LG: 6 1/4"
BOLT: 1/2", 3 3/4" c-c

Benson Trailer: B52641
Great Dane: 035-25182



Bumpers

BP99-65304

Bumper

H: 3 1/2"
WD: 2 3/4"
LG: 5 5/8"
BOLT: 1/2", 2 3/4" c-c

Great Dane: 41700301,
 41700304



MS99-34008

Trailer/Dock Bumper Pad

H: 3 1/2"
WD: 2 5/8"
LG: 4 5/8"
BOLT: 7/16", 2 3/8" c-c

Great Dane: 30036, 41700322
Tramec: J21400008

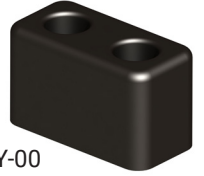


MS99-65038

Trailer Bumper

H: 3 1/2"
WD: 3"
LG: 6"
BOLT: 1/2", 3" c-c

McNeilus: 120500
Stoughton: 04-85104-PLY-00

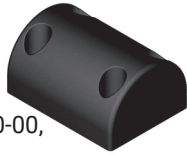


MS99-65341

Dock Bumper

H: 7 3/8"
WD: 5 1/2"
LG: 3 7/8"
BOLT: 3" x 5 1/4" c-c

Stoughton: 04-85341-000-00,
 04-85341-PLY-00
Trailmobile: 700-99-484



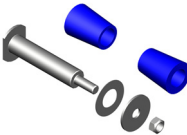
Equalizer Bushings & Kits

EQ47-35900

Equalizer Bushing Kit

LG: 11" Bolt
OD: 2" Bolt
Contains:
 (2) PL1085
 (1) Equalizer Bolt
 (2) Washers
 (1) Locknut

Fruehauf: UXA-00004-900
Meritor: R301024

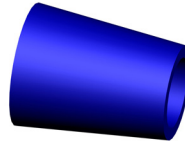


PL1085

Equalizer Bushing

ID: 2"
OD: 3 1/2" Large
 2 11/16" Small
LG: 4 3/8"

Fruehauf: UXA-00004
Meritor: R307432, R301020

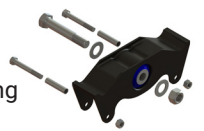


EQ53-35001

Cast Equalizer Beam w/Bushing

LG: 16 1/2"
BOLT: 1 1/8", 11.5" c-c
Contains:
 (1) Cast Beam
 w/EQ53-35601 Bushing
 (1) 1 1/8" Bolt
 (1) 1 1/8" Locknut
 (2) Flat Washers
 (2) 5/8" Bolts
 (2) 5/8" Locknuts
 (2) Spacer Sleeves

Hutchens: 16290-01, 17784-01 (No Hardware)



EQ53-35002

Cast Equalizer Beam w/Bushing

LG: 16 1/2"
BOLT: 1 1/8", 11.5" c-c
Contains:

(1) Cast Beam
 w/EQ53-35601 Bushing

Hutchens: 16290-01 (Includes Hardware), 17784-01

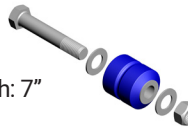


EQ53-35118

Equalizer Bushing Kit

ID: 1 1/8"
OD: 3 5/16"
Contains:
 (1) EQ53-35601 Bushing
 (1) 1 1/8"-7 UNC-2A Length: 7"
 (1) Locknut
 (2) Flat Washers

Hutchens: H16290-01, H17784-01



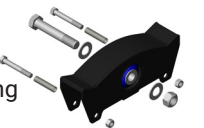
EQ53-35158

Equalizer Beam w/Bushing

LG: 16 1/2"
BOLT: 1 1/8", 11.75" c-c
Contains:

(1) Cast Beam
 w/EQ53-35601 Bushing
 (1) 1 1/8" Bolt
 (1) 1 1/8" Locknut
 (2) Flat Washers
 (2) 5/8" Bolts
 (2) 5/8" Locknuts
 (2) Spacer Sleeves

Hutchens: 16158-01



Equalizer Bushings & Kits

EQ53-35158-NH

Equalizer Beam w/Bushing

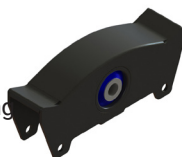
LG: 16 1/2"

BOLT: 1 1/8", 11.75" c-c

Contains:

- (1) Cast Beam w/EQ53-35601 Bushing

Hutchens: 16158-01



EQ53-35001

Equalizer Bushing Kit

OD: 3 5/16"

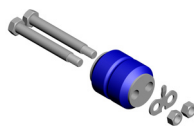
Contains:

- (1) Equalizer Bushing
- (2) 3/4" Shoulder Bolts
- (2) Locknuts
- (1) Locktab

Fruehauf: UCA-0472 (Bushing Only)

Hutchens: 7010-00 (Bushing Only)

Meritor: R301999A (Bushing Only)



EQ53-35250

Equalizer Beam w/Bushing

LG: 16 1/4"

BOLT: 3/4", 1 3/8" c-c

Contains:

- (1) Equalizer Beam
- (1) EQ53-35234 Bushing Kit
- (2) 5/8" Bolts
- (2) Locknuts
- (2) Spacer Sleeves
- (2) 3/4" Shoulder Bolt and Nuts W/ Lock Tab

Hutchens: 750-03



EQ53-35601

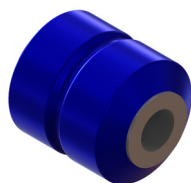
Equalizer Bushing

ID: 1 1/8"

OD: 3 5/16"

L: 3 7/8"

Hutchens: 750-03



EQ53-35701

Cast Equalizer Beam w/Bushing

LG: 16"

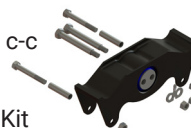
BOLT: 3/4", 1 3/8" c-c

Equalizer Holes: 11 1/2" c-c

Contains:

- (1) Equalizer Beam
- (1) EQ53-35234 Bushing Kit
- (2) 5/8" Bolts
- (2) Locknuts
- (2) Spacer Sleeves
- (2) 3/4" Shoulder Bolt and Nuts W/ Lock Tab

Hutchens: 19137-01, 704-01 (No Hardware)



EQ83-11000

Equalizer Bushing

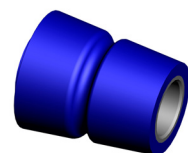
ID: 1 5/8"

OD: 3 1/2" Large

2 3/4" Small

LG: 4 3/8"

Reyco: T-5524



EQ83-35000

Equalizer Beam w/Bushing

LG: 16 1/2"

BOLT: 1", 11 3/4" c-c

Contains:

- (1) Equalizer Beam w/EQ83-35902 Bushing
- (1) 1" Bolt
- (1) Flanged Locknut
- (2) 5/8" Bolt
- (2) 5/8" Locknuts
- (2) Spacer Sleeves

Meritor: R304813 (No Hardware)

Reyco: 0650-00 (No Hardware)



EQ83-35300

Equalizer Bushing

LG: 18"

Bushing Hole: 3" - 2 5/8" Tapered

Contains:

- (1) Equalizer Beam
- (1) Q83-35902 Bushing

Meritor: R302846

Reyco: T5427



EQ83-35855

Cast Equalizer Beam w/Bushing

LG: 16"

BOLT: 1"

Contains:

- (1) Cast Equalizer Beam
- (1) EQ83-35902 Bushing
- (1) 1" Bolt
- (1) Flanged Locknut
- (2) 5/8" Bolt
- (2) 5/8" Locknuts
- (2) Spacer Sleeves

Meritor: R3010250, R304835

Reyco: 0850-00, 0741-00



EQ83-35902

Equalizer Bushing

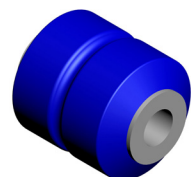
ID: 1"

OD: 3 5/16"

LG: 4"

Great Dane: 0649-02

Reyco: 0649-02



EQ83-35904

Equalizer Bushing Kit

ID: 1"

OD: 3 5/16"

LG: 4"

Contains:

- (1) EQ83-35902 Bushing
- (1) 1"-14UNS-2A Length: 6.5" Grade: 8
- (1) Flanged Locknut

Reyco: K0649-04



SK83-31000

Equalizer Bushing Kit

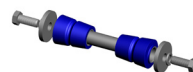
ID: 1 5/8"

OD: 3.5" tapers to 2.75"

Contains:

- (2) EQ83-11000
- (1) Equalizer Shaft
- (2) Equalizer Washers
- (2) Lock Washers
- (2) Bolts

Reyco: TK18998, T-5524



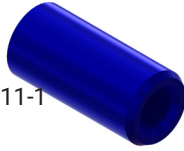
5th Wheel Bushings

FW51-32011

5th Wheel Bushing

ID: 1 1/8"
OD: 2"
LG: 4 1/4"

Holland: XB-0011, RK-12311-1

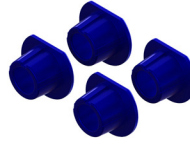


FW51-32111

5th Wheel Bushing Kit - HOLLAND FW17 Gen I

ID: 1.563"
H: 2.08"

Holland: RK-12311-1



FW51-32413

Foot Pin Repair Kit

LG: 7" Pin
DIA: 1 1/8" Pin
Roll Pin: 3/8" x 2 3/4"
Contains:
(2) PL1006
(2) Pivot Pins
(2) Roll Pins

Holland: RK004413



FW51-32606

5th Wheel Rebuild Kit

Contains:
(4) FW99-32605 Bushings
(2) Foot Pins 6.85" x 1 1/8"
(2) Bolts
(2) Flanged Locknuts

Holland: RK-10605



FW51-32731

5th Wheel Rebuild Kit

Contains:
(2) PL1006 Bushings
(2) Foot Pins
(2) Bolts
(2) Flanged Locknuts

Holland: RK-06973-1

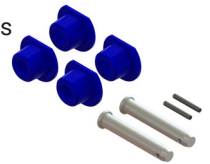


FW51-32736

5th Wheel Rebuild Kit

Contains:
(4) FW99-32605 Bushings
(2) Bracket Pins
(2) Spring Pins

Holland: RK-11736

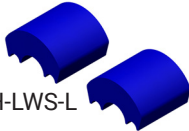


FW99-32109

5th Wheel Bushing (set of 2)

H: 1.7"
WD: 3.03"
LG: 2 3/4"

Fontaine: BSH-109-L, BSH-LWS-L

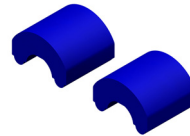


FW99-32172

5th Wheel Bushing (set of 2)

WD: 2.65"
LG: 2 3/8"

Fontaine: BSH-172-U

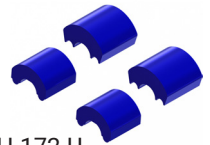


FW99-32175

5th Wheel Rebuild Kit

Contains:
(2) FW99-32109 Lower Bushings
(2) FW99-32172 Upper Bushings

Fontaine: BSH-109-L, BSH-172-U, BSH-LWS-L

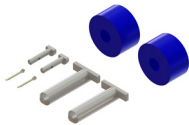


FW99-32191

Foot Pin Repair Kit

Contains:
(2) PL1002 Bushings
(2) T-Pins
(2) Roll Pins
(2) Cotter Keys
(2) Locking Tabs

Fontaine: KITPIN191

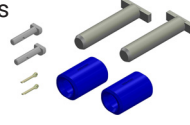


FW99-32300

5th Wheel Bushing Kit

Contains:
(2) FW99-32301 Bushings
(2) T-Pins
(2) Pins
(2) Cotter Pins

Fontaine: BSH-3000 (Bushing), KIT-PIN-3000
Note: Includes corrosion resistant hardware

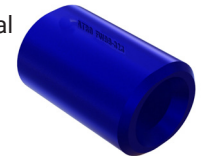


FW99-32301

5th Wheel Bushing

ID: 1 9/32"
OD: 2 1/8" x 2 3/8" Oval
LG: 3 5/8"

Fontaine: BSH-3000

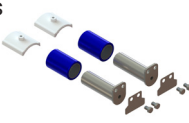


FW99-32401

5th Wheel Bushing Kit

Contains:
(2) FW99-32594 Bushings
(2) Bracket Pins
(2) Collars
(2) Tab Washers
(4) Bolts

Just International: JSK3105-95 (collar), JSK70202-15 (bolts), JSK73104-47 (tab washer), JSK790111-03 (bracket pin), SK2905-94 (bushing), SK2905-95 (bushing), SK75014-01

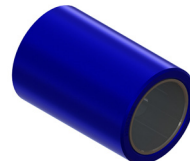


FW99-32594

5th Wheel Bushing

ID: 2"
OD: 2 3/4"
LG: 4"

Just International: SK2905-94, SK2905-95

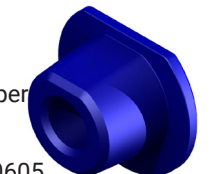


FW99-32605

5th Wheel Bushing

ID: 1 3/16"
OD: 3 7/8" Large
2 9/16" at base,
2 1/4" at top of taper
LG: 2 1/16"

Holland: XB10605, XB-10605



5th Wheel Bushings

FW99-32LLB

Foot Pin Repair Kit

Contains:

- (1) FW99-32109 Bushing
- (1) FW99-32172 Bushing
- (2) Bracket Liners
- (2) T-Bolts
- (2) Key Lock Bolts
- (2) Key Locks



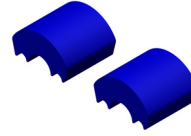
Fontaine: KITPINLLB

FW99-32109

5th Wheel Bushing (set of 2)

ID: 1 1/4"
OD: 3 15/16"
WD: 2 1/4"

Fontaine: BSH-150
Meritor: R307445

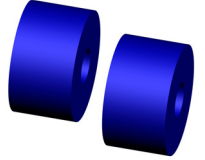


PL1002

5th Wheel Bushing

ID: 1 1/8"
OD: 2 1/4"
LG: 4 1/4"

Holland: XB-0011-2
Meritor: R307450

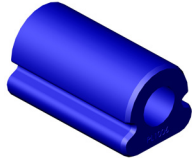


PL1006

5th Wheel Bushing

ID: 1 1/2"
OD: 2 5/8"
LG: 4 5/16"

Holland: XB-0012-3



PL1032

5th Wheel Bushing

ID: 1 1/2"
OD: 2 1/2"
LG: 4 1/4"

Holland: XA-1604-9

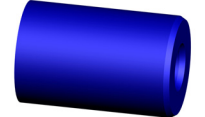


PL1037

5th Wheel Bushing

ID: 1 1/8"
OD: 2 3/4"
LG: 4 1/4"

Holland: XB-1604-5

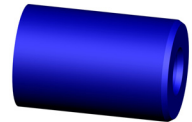


PL1037

5th Wheel Bushing

ID: 1 7/16"
WD: 2 1/2"
LG: 4 1/4"

Holland: XB-0012-2



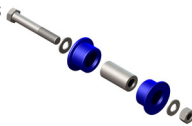
Pivot Bushings & Kits

PB00-26422

Pivot Bushing Kit

Contains:

- (2) PB00-36314 Bushings
- (1) Inner Sleeve
- (1) Bolt 3/4" x 5
- (1) Locknut
- (2) Washers



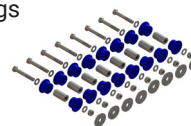
Hendrickson: R005422

PB00-26839

Lift Axle Bushing Kit

Contains:

- (16) PB00-36314 Bushings
- (8) Inner Sleeves
- (4) Bolts 3/4" x 5"
- (4) Bolts 3/4" x 5-1/2"
- (8) Locknuts
- (16) Washers
- (8) Shim Washers



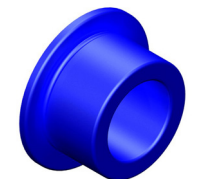
Hendrickson: R008839
Watson Chalin: SRK1190-1

PB00-36314

Flange Bushing

ID: 1 1/2"
OD: 3" Large
2 1/4" Small
LG: 1 1/4" Barrel
TK: 3/16" Flange

Hendrickson: 4931
Meritor: 1225-R-1370, A-1225-L-1416
TransPro: 19204, 19682



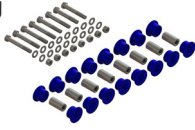
Pivot Bushings & Kits

PB50-26391

Lift Axle Bushing Kit

Contains:

- (16) PB00-36314 Bushing
- (8) Inner Sleeves
- (4) Bolts 5"
- (4) Bolts 5.5"
- (8) Locknuts
- (16) Washers
- (8) Shim Washers



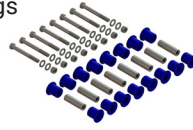
Hendrickson: R008839-1

PB50-26392

Lift Axle Bushing Kit

Contains:

- (16) PB50-26118 Bushings
- (8) Bolts 7.5"
- (16) Washers
- (8) Nuts
- (8) Sleeves



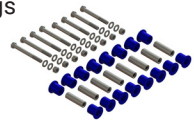
Hendrickson: R008839-2

PB50-26393

Lift Axle Bushing Kit

Contains:

- (16) PB50-26118 Bushings
- (4) Bolts 7.5"
- (4) Bolts 8.5"
- (16) Washers
- (8) Nuts
- (8) Sleeves



Hendrickson: R008839-3

PB50-36000

Pivot Bushing Kit w/Hex Bolt

ID: 1 1/4"

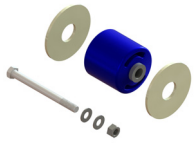
OD: 5 7/8"

LG: 6 3/4"

Contains:

- (1) Pivot Bushing
- (2) Wear Washers
- (2) Flat Washers
- (1) Bolt 7/8"-9"x10" GR8
- (1) Nut

Install Tool: PT50-59307



Hendrickson: S-24691

Watson Chalin: 17993112

PB50-36001

Pivot Bushing Kit w/Shear Bolt

ID: 1 1/4"

OD: 5 7/8"

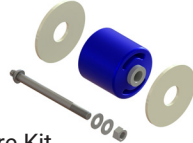
BOLT: 7/8"

LG: 6 3/4"

Contains:

- (1) Pivot Bushing
- (1) HW50-26679 Hardware Kit
- (2) Shims

Install Tool: PT50-59307



Hendrickson: S-24691

Meritor: R3010729A

Watson Chalin: 17993112

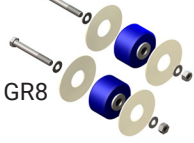
PB50-36321

Pivot Bushing Kit, Narrow (Regular Bolt)

Contains:

- (2) PB50-36364 Pivot Bushings
- (4) Wear Washers
- (2) 7/8"-9 x 7" Cap Screw GR8
- (2) Locknuts
- (4) Flat Washers

Install Tool: PT50-59736



Hendrickson: S-26321

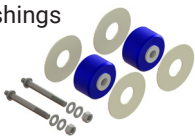
PB50-36322

Pivot Bushing Kit, Narrow (Shear Bolt)

Contains:

- (2) PB50-36364 Pivot Bushings
- (4) Wear Washers
- (2) HW50-26705

Install Tool: PT50-59736



Hendrickson: S-26321

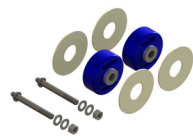
PB50-36323

Pivot Bushing Kit, Multi-Function, Shear Bolt

Contains:

- (2) Pivot Bushing
- (2) Shim Washer
- (2) Shear bolt, washers and Nut

Install Tool: PT50-59736



Hendrickson: S-26321

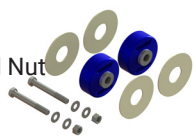
PB50-36324

Pivot Bushing Kit, Multi-Function, Hex Bolt

Contains:

- (2) Pivot Bushing
- (2) Shim Washer
- (2) Hex bolt, washers and Nut

Install Tool: PT50-59736



Hendrickson: S-26321

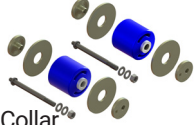
PB50-36654

Pivot Bushing Kit

Contains:

- (2) PB50-36001 Pivot Bushing w/Shear Bolt
- (2) MS50-26924 Concentric Collar
- (2) MS50-26925 Eccentric Collar
- (2) Wear Shim

Install Tool: PT50-59736



Hendrickson: S-28654,

S-24691 (Bushings & Hardware Only)

MS50-39613

Wear Washer

ID: 2.27"

OD: 7"

TK: .35"

Hendrickson: B11613, S11613, B-11613, S-11613



PB50-36364

Pivot Bushing, Narrow

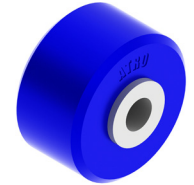
ID: 1 1/4"

OD: 5 1/2"

WD: 3 5/8"

Install Tool: PT50-59736

Hendrickson: S-26321



Pivot Bushings & Kits

PB50-36914

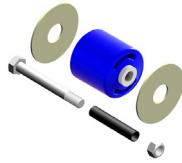
Pivot Bushing Kit

ID: 1 1/4"
OD: 5 7/8"
LG: 6 3/4"

Contains:

- (1) Pivot Bushing
- (2) Wear Washers
- (1) Bolt Sleeve
- (1) Bolt
- (1) Locknut

Install Tool: PT50-59307



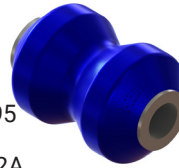
Hendrickson: A-6914, S6914

PB57-21139

Pivot Bushing

ID: 1 1/8"
OD: 3 1/2"
LG: 5 1/4"

Fruehauf: MNW900081395
Holland: 90008139
Meritor: R304382A, E4382A
Neway: 900 08 139
Watson Chalin: 10050

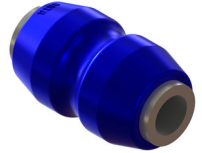


PB57-21149

Pivot Bushing

ID: 1 1/8"
OD: 2 13/16"
LG: 5"

Holland: 90008149
Meritor: E4410A
Neway: 900 08 149
Watson Chalin: 11223

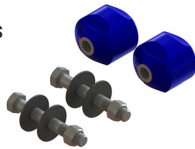


PB57-25394

Pivot Bushing Kit (Large)

Contains:

- (2) PB57-26247 Bushings
- (2) Bolts 1 1/8"-7 x 8"
- (2) Locknuts 1 1/8"-7
- (4) Washers



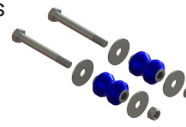
Holland: 48100394, 024-49866
Neway: SRK-530, SRK829

PB57-36200

Pivot Bushing Kit (set of 2)

Contains:

- (2) PB57-21139 Bushings
- (2) Bolts 9 1/2"
- (2) Locknuts
- (4) Wear Washers



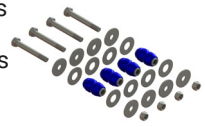
Holland: 48100202, SRK145
Meritor: R304398A
Neway: 48100202, SRK01, SRK-145
Watson Chalin: SRK01

PB57-36300

Axle Connection Kit

Contains:

- (4) PB57-21149 Bushings
- (8) Wear Washers
- (8) Service Wear Washers
- (4) Bolts
- (4) Locknuts



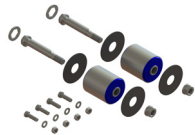
Holland: 48100206, SRK-149
Meritor: R304411A
Neway: 48100206, SRK02, SRK-149

PB85-36029

Mono-Pivot Bushing Kit

Contains:

- (2) PB85-360B0 Pivot Bushings
- (2) Eccentric Bolts
- (2) Anti-turn Washers
- (2) Securelok® Nuts
- (4) Bearing Washers
- (4) Clamp Bolt, 3/4"-10 x 2 1/2"
- (4) Flat Washers
- (4) Locknuts



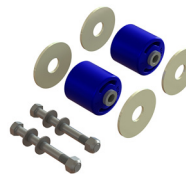
Ridewell: 6040028, 6040029

PB93-36K64

Pivot Bushing

Contains:

- (2) Bushings
- (4) Wear Washers
- (4) Flat Washers
- (2) Bolts
- (2) Locknut



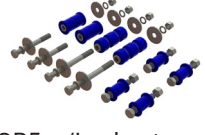
Watson Chalin: SRK64

KT93-25K14

Pivot Bushing

Contains:

- (2) PB93-26931 Bushing
- (2) AS93-27932 Bushing
- (4) PL1118 Bushing
- (8) Flat Washer, 3 1/4"
- (8) Flat Washer, 1 1/2"
- (4) Bolt, 7/8-14UNFx5.5, GR5 w/Locknut
- (2) Bolt, 7/8-14UNFx9.5, GR8 w/Locknut
- (2) Bolt 7/8-14UNFx7.5, GR8 w/Locknut



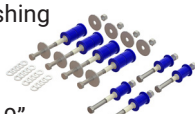
Watson Chalin: SRK64

KT93-25K16

Rebuild/Maintenance Kit

Contains:

- (4) PB93-26931 Pivot Bushing
- (4) PL1118 Torque Rod Bushings
- (8) Liners
- (8) Washer, .78"X3.25"X.19"
- (20) Washer, Flat 3/4" SAE, Hardened
- (4) Bolt, 3/4-16UNF x 7", GR 8
- (4) Bolt, 3/4-16UNF x 5", GR 8
- (8) Locknut, 3/4-16UNF



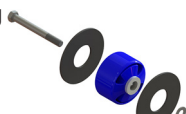
Watson Chalin: SRK16

PB99-36201

Pivot Bushing Kit, Narrow

Contains:

- (1) PB99-36522 Bushing
- (2) Polymer Shims
- (1) Bolt-7/8-9UNC x 8.0, GR 8, Zinc
- (1) Flat Washer
- (1) Locknut



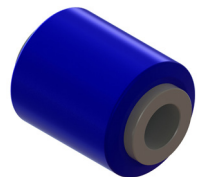
Meritor: A1225N1522 (Bushing only), KIT11201, KIT11350

SU99-39113

Pivot Bushing

ID: .89"
OD: 2.27"
LG: 3"

Meritor: A1225-L-1416, A1225-G-1437



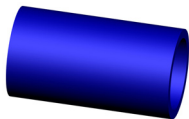
Suspension

HU10000

Trunnion Bushing

ID: 4"
OD: 5"
LG: 9 1/8"

Holland: 11357-00,
890-00, T5711
Meritor: R305217, R305216, R307455

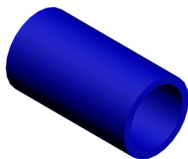


HU10065

Trunnion Bushing (Severe Duty)

ID: 4"
OD: 5"
LG: 9 1/8"

Holland: 11357-00,
890-00, T5711

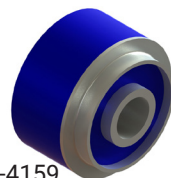


MS99-39159

Vibration Mount

ID: 5/8"
OD: 2 1/4" Large
1 13/16" Small
H: 1.4" Large
1" Small

Carrier Corporation: 20-91-4159
Thermo King: 91-4159, 91-2618

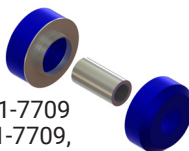


MS99-39709

Vibration Mount

ID: 5/8"
OD: 2 1/2"

Carrier Corporation: 20-91-7709
Thermo King: 91-2578, 91-7709,
91-1404

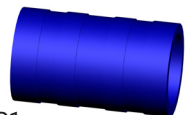


PL1004

Trunnion Bushing

ID: 3 15/16"
OD: 4 15/16"
LG: 8 3/8"

Fruehauf: UXA-000160,
UXA-0160, UXA-000160SP1
Meritor: R303579, R308663

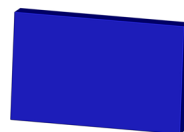


PL1005

Spring Pad

LG: 7 9/16"
WD: 4 5/8"
TK: 1"

Fruehauf: UCD-5635-001,
UCD-005635001
Meritor: E3582, R308664, R303582
Rockwell: 303582
Watson Chalin: SP-0039

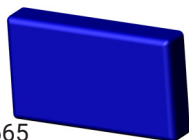


PL1007

Spring Pad

LG: 5"
WD: 2 7/8"
TK: 13/16"

Hutchens: 814-00
Meritor: R305227, R308665

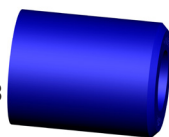


PL1019

Hinge Bushing

ID: 1 9/16" to 1 7/8" tapered
OD: 3 1/2"
LG: 4 1/2"

Meritor: R303579, R308663
Premier: 344, 344A,
10000952

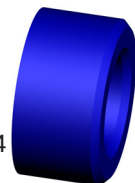


PL1020

Hinge Bushing

ID: 2"
OD: 3 7/16"
H: 1 13/16"

Meritor: R307516
Premier: 448, 448A, 10001004

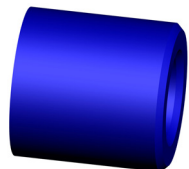


PL1021

Drawbar Eye Bushing

ID: 2"
OD: 3 1/2"
LG: 3 5/8"

Meritor: R307517
Premier: 348, 348A,
10000856

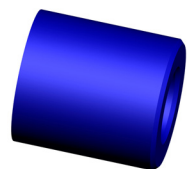


PL1022

Eye Bushing

ID: 2 1/2"
OD: 4 3/4"
LG: 5 3/16"

Meritor: R307524
Silver Eagle: R-205,
SV10004, 1157, 12171

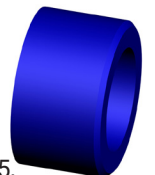


PL1023

Eye Bushing

ID: 2 1/2"
OD: 3 3/4"
H: 2 3/16"

Meritor: R307525
Silver Eagle: R-213, SV10005,
12169, 1595

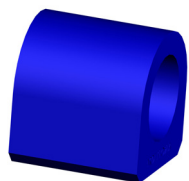


PL1024

Hinge Bushing

ID: 1 7/8"
H: 3"
WD: 2 7/8"
LG: 2 3/4"

Meritor: R307517
Utility Trailer: 3-1306

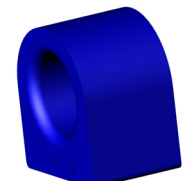


PL1027

Hinge Bushing

ID: 1 3/4"
H: 2.7"
WD: 2 15/16"
LG: 2 1/8"

Meritor: R308656
Western Unit: 102308

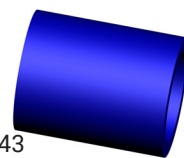


PL1030

Trunnion Bushing

ID: 3 7/16"
OD: 4 9/16"
LG: 5 3/4"

Hutchens: 11442-00
Meritor: R302935, R307443
Neway: 90008011

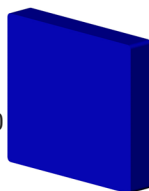


PL1041

Spring/Axle Pad

LG: 5 1/4"
WD: 4 5/8"
TK: 7/8"

Meritor: R308670, R301330
Neway: 91028089
Watson Chalin: SP-0193,
SP-0040

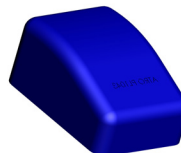


PL1043

Spring End Pad

H: 2 11/16"
WD: 4 1/16"
LG: 5 1/2" Large
1 9/16" Small

Fruehauf: 365123

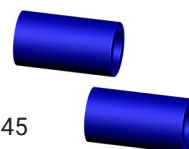


PL1050

Spring Eye Bushing (set of 2)

ID: 7/8"
OD: 1 1/2"
LG: 2 3/4"

Cambria: R1011-AC
Meritor: R307447, R309345

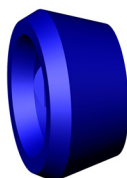


PL1061

Suspension Bushing

ID: 3"
OD: 5 5/8" Large
4 3/8" Small
LG: 2 13/16"

Hyster: 400329
Meritor: R307457

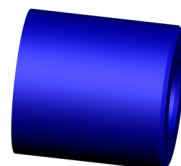


PL1079

Drawbar Eye Bushing

ID: 2"
OD: 4 1/2"
LG: 4 1/2"

Meritor: R307518
Premier: 437, 437A,
10000867

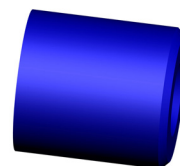


PL1080

Drawbar Eye Bushing

ID: 2 1/16"
OD: 4 3/4"
LG: 5 3/16"

Meritor: R307645
Premier: P205, P205A,
10000938

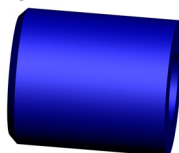


PL1081

Hinge Bushing

ID: 2 1/2" tapered to 2.15"
OD: 4 1/4"
LG: 5"

Meritor: R307519
Premier: 434, 434A,
10000981

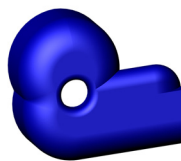


PL1082

Spring End Boot (Left)

ID: 1"

Meritor: R307526
Silver Eagle: G-34

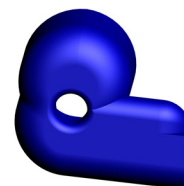


PL1083

Spring End Boot (Right)

ID: 1"

Meritor: R307526
Silver Eagle: G-35

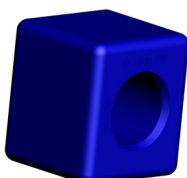


PL1129

Shock Bushing

H: 4 15/16"
WD: 4 1/4"
LG: 4 7/16"

Silver Eagle: 12170

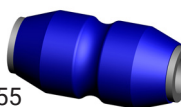


PL1154

Center Bushing

ID: 1 1/8"
OD: 2 3/8"
LG: 5"

Meritor: R307485, R304255
Neway: 90008131, 900 08 131

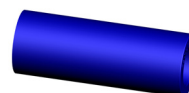


PL1187

Trailing Arm Bushing

ID: 1 1/4"
OD: 2"
LG: 5 1/2"

Van Raden: 3049271

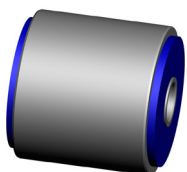


PL1188

Drop Axle Bushing

ID: 1"
OD: 4 1/8"
LG: 4"

Van Raden: 3049271

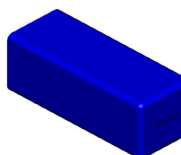


SC99-34101

Spring Pad

H: 1 3/8"
WD: 1 3/8"
LG: 3 1/2"

Utility Trailer: 3-5851-01

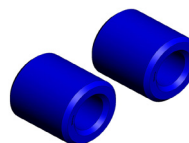


SC99-36437

Hinge Bushing (set of 2)

ID: 2 1/4"
OD: 4 1/4"
LG: 4 1/2"

Premier: 437AK,
10000868



Torque Rods

TR47-41028

Torque Rod

LG: 35 1/2" c-c
Bushings:
 TH47-33026/TH47-33026

Fruehauf: FCF-008248006

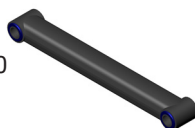


TR53-41500

Torque Rod, Fixed Length

LG: 19 1/4" c-c
BOLT: 1"
Bushings:
 TH53-33100/TH53-33100

Hutchens: 715-00
Watson Chalin: 12954



TR53-45305

Torque Rod, Adjustable

LG: 19 1/4" c-c
BOLT: 1"
Bushings:
 TH53-33100/TH53-33100

Hutchens: 713-05,
 1616705 (with Bushings), 16398-04,
 1616704 (No Bushings), TR-16398-04
Meritor: R303277
Watson Chalin: 17015



TR83-41520

Torque Rod, Fixed Length

LG: 19 7/8" c-c
Bushings:
 TH83-13000/TH83-13000

Reyco: 0075-20

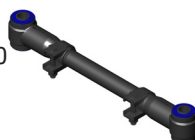


TR83-45520

Torque Rod, Adjustable

LG: 19 7/8" c-c
Bushings:
 TH83-13000/TH83-13000

Holland: SP0123
Reyco: 1035-20



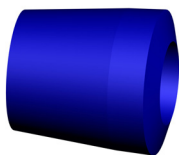
Torque Rod Bushings

PL1084

Torque Rod Bushing

ID: 1 1/4"
OD: 2 1/4" Large
 1 13/16" Small
LG: 2 5/16"

Fruehauf: UXA-000011
Hutchens: 7620-00
Meritor: R307433, R30927

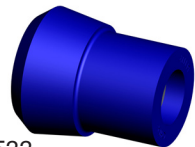


PL1115

Torque Rod Bushing

ID: 1 1/16"
OD: 2 5/16" Large
 1 13/16" Small
LG: 2 11/16"
BOLT: 1"

Meritor: R301982, R307522
Reyco: T-2242

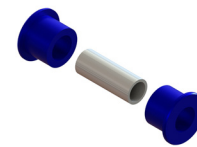


PL1118

Torque Rod Bushing

ID: 7/8"
OD: 2 5/16" Large
 1 3/4" Small
LG: 3 1/8"

Binkley: 09729-01
Hendrickson: A1712
Meritor: R301980, R307520
Reyco: 09729-01

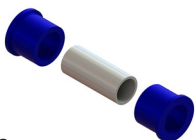


PL1119

Torque Rod Bushing

ID: 1"
OD: 2" Large
 1 3/4" Small
LG: 3"

Hutchens: 722-00
Meritor: R30934, R307453
Trailmobile: 3-12-35
Watson Chalin: 17012

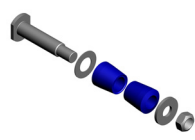


TH47-37900

Torque Rod Bushing Kit

BOLT: 1.24"
Contains:
 (2) PL1084
 (1) Bolt
 (2) Washers
 (1) Locknut

Fruehauf: UXA-000011900



TH53-37149

Torque Rod Bushing Kit

Contains:
 (1) PL1119 Bushing
 (1) Bolt- 1"-14X5"
 (1) Nut

Hutchens: 722-00 Bushing, NL1448
Trailmobile: 700-7-149



Torque Rod Bushings

TH53-37637

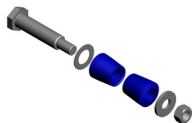
Torque Rod Bushing Kit

LG: 6 1/16"

BOLT: 1 1/4"

Contains:

- (2) PL1084
- (1) Bolt
- (2) Washers
- (1) Locknut



Great Dane: GDH7620-00 Bushing

Hutchens: 7620-00 Bushing

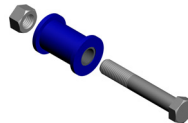
Trailmobile: 3-69-2, 7637-00

TH83-22302

Torque Rod Bushing Kit

Contains:

- (1) PL1118
- (1) Bolt 7/8"-
9 x 5.5 UNC-2A GR5
- (1) Nut



Hendrickson: A1712

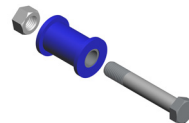
Reyco: TK7302

TH83-37022

Torque Rod Bushing Kit

Contains:

- (1) PL1118
- (1) Bolt 7/8"-
14 x 5.5 UNF-2A
- (1) Nut



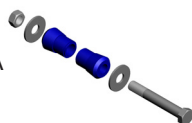
Reyco: 0022-01

TH83-37997

Torque Rod Bushing Kit

Contains:

- (2) PL1116
- (2) Washers
- (1) Bolt 1"-14 x 7 UNS-2A
- (1) Nut



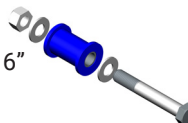
Reyco: TK18997

TH99-37102

Torque Rod Bushing Kit

Contains:

- (1) PL1116
- (2) Washers
- (1) Bolt 7/8"-14 GRADE 8 6"
- (1) Nut



Meritor: KIT11102

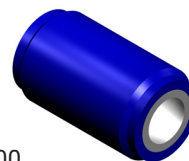
UB3000

Torque Rod Bushing

ID: 7/8"

OD: 1 3/4"

LG: 3"



Hendrickson: A1712

Reyco: 09729-01

TransPro: A-1712, 0022-00

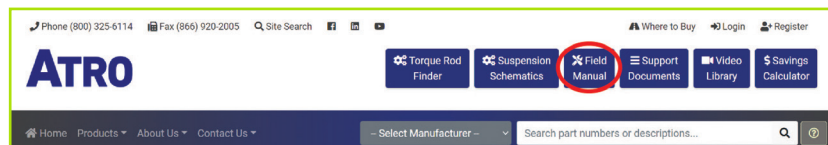
Abbreviation	Legend
ID	Internal Diameter
OD	Outside Diameter
LG	Length
WD	Width
H	Height
HO	Hole
TK	Thickness
C-C	Length Between Centers
BOLT	Bolt

Torque Rod Finder

A valuable preventive maintenance guide from ATRO. To view the digital Field Manual follow the instructions below or scan the QR code to download a copy to your device.

Go to atrobushing.com

Click on Field Manual in the upper right hand corner



Field Manual

Suspensions & Torque Rods

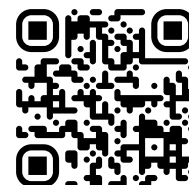
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- Leaf Spring Inspection
- Most Common & Preventable Failures
- Truck Rear Suspensions
- Trailer Suspensions
- Torque Rods

Chalmers
Freightliner
Hendrickson
Hutchens
International
Kenworth
Mack
Meritor
Neway
Peterbilt
Reyco
Volvo

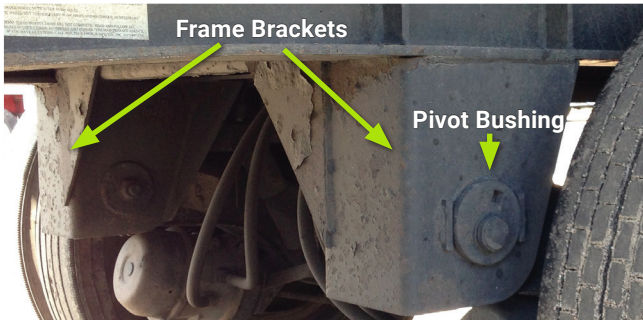
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ATRO Field Manual



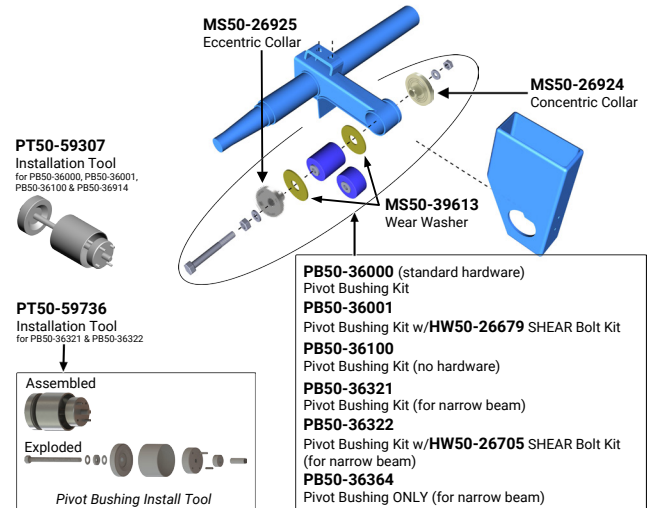
Trailer Suspensions

Hendrickson INTRAAX/VANTRAAX

The Intraax is an integrated trailer air suspension, axle and brake system introduced in 1995. It is widely used and can be found on platforms, tankers, dumps, grain hoppers, specialty trailers – on-highway or off-road. The Vantraax is a tandem air slider system for dry-freight, refrigerated and specialty van trailers and has been available since 1998.



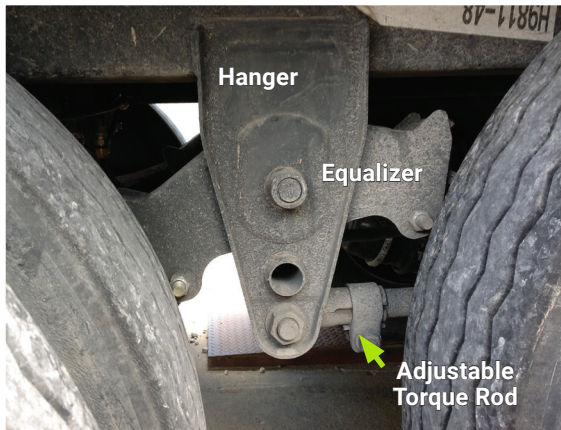
Scan QR Code to go to video:
**ATRO Parts | Hendrickson INTRAAX®
VANTRAAX® Suspension**



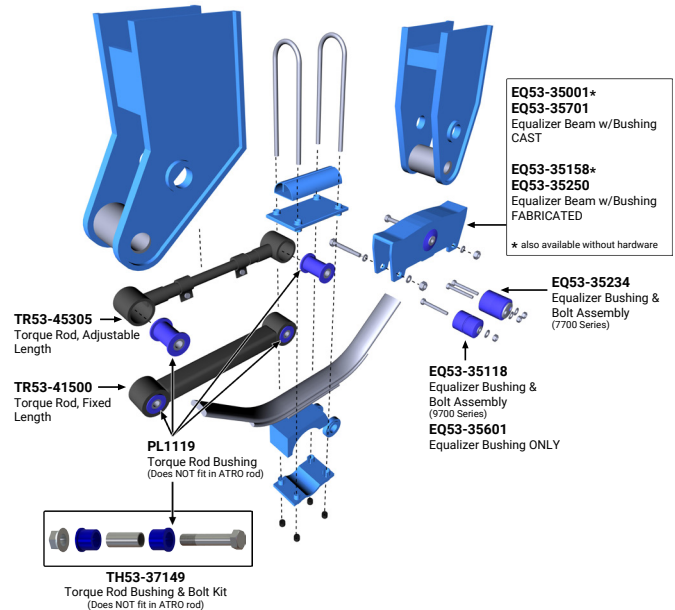
ATRO P/N	OEM Bushing	Voids	Inner Pin Rotation	Bolt Type	Hardware Included	Alignment	Install Tool	Qty/Axle
PB50-36000	S-24691	Yes	No	Hex head	Yes	Quick-Align	PT50-59307	2
PB50-36001	S-24691	Yes	No	Shear Bolt	Yes	Quick-Align	PT50-59307	2
PB50-36100	S-24691	Yes	No	n/a	Wear washers only	Quick-Align	PT50-59307	2
PB50-36321	S-26321	Yes	No	Hex head	Yes	Quick-Align	PT50-59376	1
PB50-36322	S-26321	Yes	No	Shear Bolt	Yes	Quick-Align	PT50-59376	1
PB50-36914	A-6914	Yes	No	Hex head	Yes	Welded Alignment	PT50-59307	2
PB50-36654	S-24691	Yes	No	Shear Bolt	Yes	Quick-Align	PT50-59307	1

Hutchens 7700/9700

This traditional leaf spring trailer suspension is available in single, tandem or multi-axle configurations, overslung or underslung and is adaptable to square, round or rectangular axles. It can have cast or fabricated equalizers and hangers.



Scan QR Code to go to video:
**ATRO Parts | Hutch Trailer
Suspension**

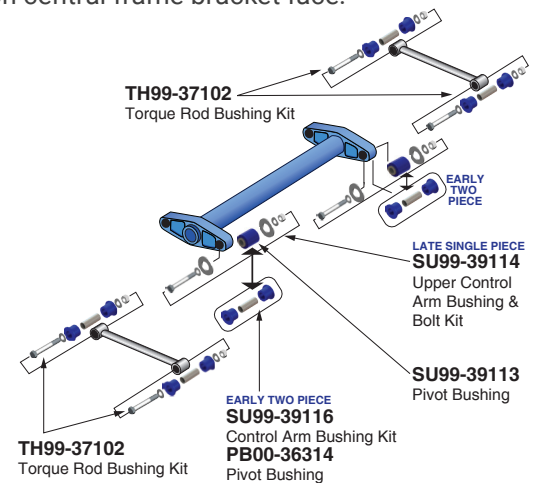


Meritor RHP/MPA Trailer

These trailer suspensions have a parallelogram design with parallel upper and lower control arms. Both upper and lower control arms are bolted to a central V-shaped frame bracket instead of having two separate trailing arms. The air springs mount directly over the axles for a smoother ride, elimination of roll torque and to prevent dock walk. The upper control arms are held together by a torque tube designed to control lateral roll. Approved applications include pup trailers, dry van and refrigerated van.

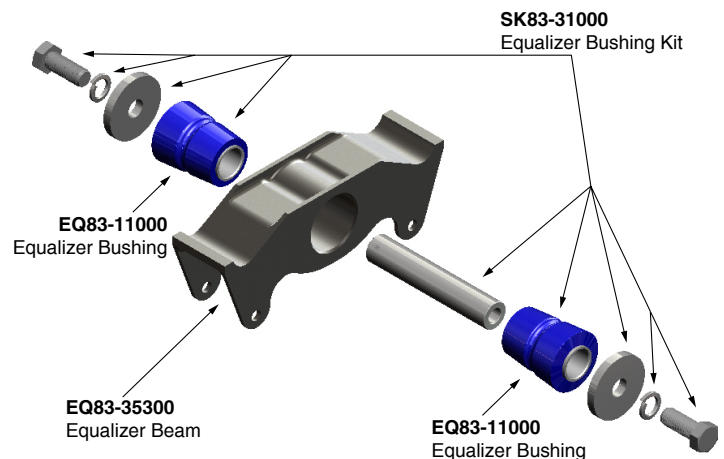
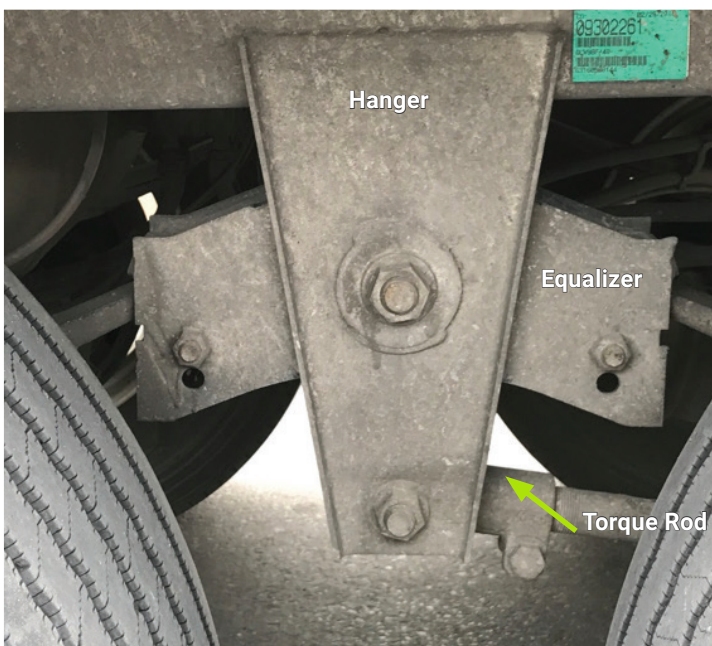
Identification

- RHP, manufactured through 2007, has solid face on frame bracket.
- MPA (Ride Sentry), produced 2007/2008 through current has open triangle on central frame bracket face.



Reyco 21B

This 4-spring trailer suspension for heavy-duty applications including tankers, low beds, rear/belly/side-dumps, flat decks and platforms. Polyurethane equalizer bushings (and kits) provide chemical resistance and better wear/abrasion resistance than rubber. This results in extended bushing life.



ATRO



- 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.



Contact Us

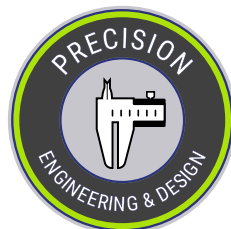
Phone: (800) 325-6114

Fax: (866) 920-2005

Email: customerservice@atrobushing.com

Website: www.atrobushing.com

ATRO, LLC
6 Bolte Lane
St. Clair, MO 63077 USA



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