



Australian Transport Manufacturers Pty Ltd



**Australian Truck  
& Trailer Parts**



# *Truck Parts Catalogue*

Australian Transport Manufacturers Pty Ltd.

ABN: 87 140 887 501

TELEPHONE: (07) 3277 5111 FAX: (07) 3875 1945

WEB: [www.austranman.com.au](http://www.austranman.com.au)

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PO BOX 304, SALISBURY, QLD 4107

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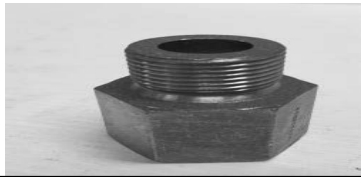
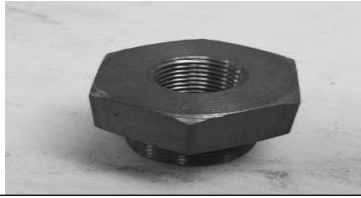






*Catalogue as at Augst 2017*

# MACK PARTS

## Mack Cab, Motor & Hood Parts

	PART NO.	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
	<b>98.140QM257M</b>	OD = 75MM SQ THICKNESS = 23.50MM HOLE CENTRES = 32MM HOLE SIZE = 9MM	Isolator Support Hood Block
	<b>98.25121334</b>	OD = 63.75MM LENGTH = 53.49MM ID – 15.88MM	Mack Radiator Mount Replaces 20QL295M & ATRO MM62-62334
	<b>98.204SX216</b>	SMALL OD = 42.86MM LARGER OD = 80.96MM LENGTH = 38.1MM ID = 19.05MM	Mack Transmission Insulator Kit Replaces ATRO - Kt62-62216 8 X 98.20QL1118A 8 X Washers 4 X 3/4" X 6" Bolts 4 X 3/4 Nyloc Nuts
	<b>98.20802362.71</b>		Mack Hood Bracket Sold as a pair. Replaces Mack 20802362RH & 20802371LH
	<b>98.20975430</b>	OD = 82.5MM BOLT ID = 17.4MM OVERALL LENGTH = 78.1MM	Mack Support Cab Mount CH Super Liners suits 5/8 Bolt Repairable Housing - <u>Bush Only</u> Replaces Mack : 20975430
	<b>98.20975432</b>	OD = 82.5MM BOLT ID = 19.6mm OVERALL LENGTH = 78.1MM	Mack Support Cab Mount - suits A 3/4 BOLT Replaces Mack : 20975430
	<b>98.20874917P060916</b>	Centre to Centre = 732mm Pin Size = 16.90mm I.D to take 5/8 Bolt	Mack Panard Day Rod Assembly (tapered) Replaces Mack 20874917P060916 Includes bushing
	<b>98.21609754.09</b>	Poly Bush OD = 38mm Poly Bush Length = 49mm Pin Length = 49mm Pin Width= 16.90mm ID to take 5/8 Bolt	Mack Panard Cab Bush 75 duro Bush and steel inner pin
	<b>98.21609754P010316</b>	Centre to Centre = 800mm Pin Size = 16.90mm I.D to take 5/8 Bolts	Mack Panard Cab Sleeper Rod Assembly Replaces Mack 20874917 Includes bushing

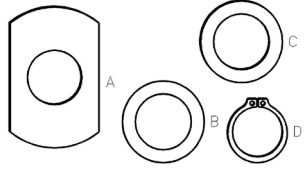
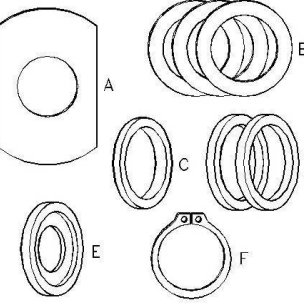
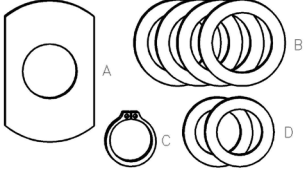
## Mack Cab, Motor & Hood Parts

	PART NO.	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
	<b>98.90RU39404M</b>	MALE THREAD= M22 X1.5MM FEMALE THREAD= M18X 1.5MM	Adaptor temperature sensor
	<b>98.90RU39406M3</b>	MALE THREAD= M22 X 1.5MM FEMALE THREAD= M14 X 1.5MM	Adaptor LSV
	<b>98.121QS2401M</b>	LENGTH = 80.00MM THREAD= M14 X 1.5 OD= 14.00MM	Dowel cab leg front
	<b>98.121QS2402M</b>	LENGTH = 41.00 MM THREAD = M12 X 1.25 OD = 12.00MM	Dowel bumper bar front
	<b>98.168KC39401M2</b>	LENGTH = 280 MM THREAD= 518- 18 UNF FEMALE= M21.85	Lever shifter extension
	<b>98.168KC29401M</b>	LENGTH = 95MM 1 <sup>ST</sup> SHOULDER = 19MM 2 <sup>ND</sup> SHOULDER = 16MM 7/8 – 14 UNF THREAD ½ - 13 UNE THREAD	Adaptor Gear Shift
	<b>98.302GC49401M</b>	OD = 122MM ID = 22.22MM KEYWAY = 4MM 36 DEGREE V GROOVE	Pulley Alternator 2 belt
	<b>98.302GC49402M</b>	OD = 90MM ID = 22.22MM KEYWAY = 4MM 36 DEGREE V GROOVE	Pulley Alternator

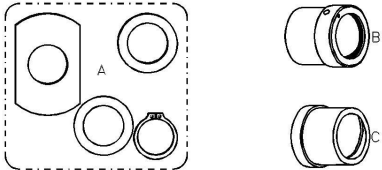
## Mack Cab, Motor & Hood Parts

	PART NO.	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
	<b>98.X50MN318M2</b>	HOLE CENTRES = 81.40MM BOLT HOLE SIZE = 16.80MM OVERALL HEIGHT = 101 MM SENSOR HOLE = 18MM	Rear Bracket sensor retainer
	<b>98.X50QK375M2</b>	OVERALL LENGTH = 180MM WIDTH = 50MM THICKNESS = 32MM HOLE CENTRES = 120MM	Shackle front spring- rear
	<b>98.X50QL216</b>	OVERALL LENGTH = 220MM PIN OD = 20MM	Pin comp bull bar
	<b>98.X50QL248A</b>	OVERALL LENGTH = 211MM PIN OD = 32MM	Tow coupling pin 8.5"
	<b>98.X50QL248AP3</b>	OVERALL LENGTH = 203MM PIN OD = 32MM	Pin comp tow coupling
	<b>98X50QL276</b>	LENGTH = 44MM 5/8 16 UNF THREAD	Bolt chassis rail greasing
	<b>98.X50QL3139M11</b>	OVERALL LENGTH = 810MM INSIDE LENGTH = 790MM ID = 17MM	Cross Member Front Spring
	<b>98.X50QL3140M</b>	OVERALL LENGTH = 1132MM 5/8-18 UNF THREAD THREAD LENGTH = 56MM	Tie rod R-600 Model
	<b>98.X50RU2181M</b>	ID LENGTH = 68.34MM ID WIDTH = 42.72MM	Plug Rectangular

## Mack Camshaft Circlip & Washer Kits

PART NO.	APPLICATION		INCLUDES
01.0123.00	For Mack and Rockwell 10 Spline Camshaft Brakes		A 1 03.2501.0 Washer ('O' Type, 38.5mm ID) B 1 03.2502.0 Washer (38.5 x 57 x 0.8mm) C 1 03.2503.0 Washer (38.5 x 57 x 1.6mm) D 1 03.2602.0 Circlip (Suits 1-1/2" Shaft) 1-1/2" = 38.1mm
01.0131.00	For Mack 28 Spline Camshaft Brakes		A 1 03.2501.0 Washer ('O' Type, 38.5mm ID) B 3 03.2503.0 Washer (38.5 x 57 x 1.6mm) C 1 03.2520.0 Slack Adjuster Washer (46 x 38 x 3.4mm) D 2 03.2521.1 Washer (49 x 38 x 5mm) E 1 03.2523.1 Thrust Washer (49 x 38/22 x 5.5mm) F 1 03.2604.0 Circlip (Suits 1-1/2" Shaft)
01.0135.00	For Mack 28 Spline Camshaft Brakes		A 1 03.2501.0 Washer ('O' Type, 38.5mm ID) B 4 03.2503.0 Washer (38.5 x 57 x 1.6mm) C 1 03.2622.0 Circlip (Suits 1-1/4" Shaft) D 2 03.3103.0 Washer (32 x 48 x 1.6mm) 1-1/4" = 31.7mm

## Camshaft Overhaul Kits For Mack Drive Axle Brakes

PART NO.		INCLUDES
01.0223.55		A 1 03.2501.0 Washer ('D' Type, 38.5mm ID) 1 03.2502.0 Washer (38.5 x 57 x 0.8mm) 1 03.2503.0 Washer (38.5 x 57 x 1.6mm) 1 03.2602.0 Circlip (Suits 1-1/2' Shaft) B 2 03.2119.5 Cam Bush (Plated Steel, 1 'O' Ring, 1-1/2' ID) C 1 03.2209.5 Cam Bush (Plated Steel, 1 'O' Ring, 1-1/2' ID) 1-1/2" = 38.1mm Item A is the same as Kit 01.0123.00

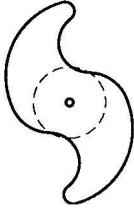
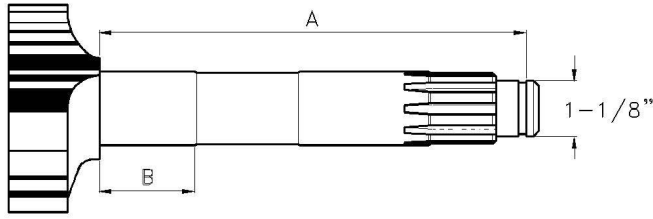
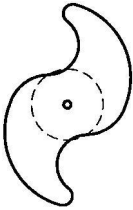
## Mack S-Camshaft

Australian Tool Manufacturers Pty Ltd manufacture standard 'S' head camshafts, 10 or 28 spline, to order. Maximum Length (excluding 'S' head): 20.5" = 520.7mm

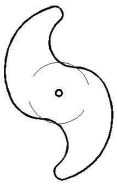
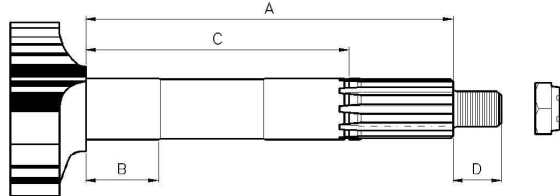
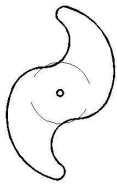
Camshafts can be manufactured from a sample or from a drawing.

All parts are manufactured to Australian standards.

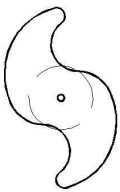
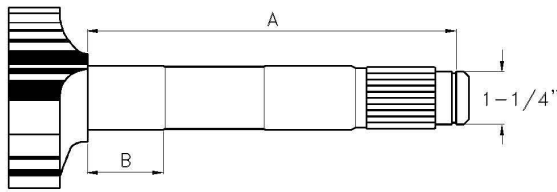
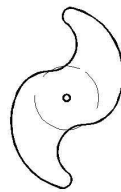
### 1-1/2" – 10 Spline, Standard "S" Head Camshafts

							
Left Hand As viewed from Head		Dimension A is from shoulder of camshaft to far edge of snap ring groove				Right Hand As viewed from Head	
PART NO.		DIMENSIONS				APPLICATION AND GENERAL INFORMATION	
LEFT HAND	RIGHT HAND	A	B				
03.0112.L	03.0112.R	8.69" = 220.7mm	1.97" = 50.0mm			For Eaton and Mack Drive Axles Replaces: Eaton 1000087 (LH) & 1000088 (RH)	
03.0210.L	03.0210.R	8.65" = 219.7mm	1.75" = 44.5mm			For Mack Trucks using 38,000 lb. and 44,000 lb. Rockwell Axles For Rockwell Drive Axles Replaces: Rockwell 2210-Y-2443 (LH) & 2210-X-2442 (RH) Rockwell 2210-X-5640 (LH) & 2210-W-5639 (RH)	
03.0226.L	03.0226.R	11.62" = 295.1mm	1.87" = 47.5mm			For Mack Drive Axles For Rockwell Drive Axles For Standard Forge Drive Axles Replaces: Rockwell 2210-P-2980 (LH) & 2210-0-2981 (RH) Rockwell 2210-D-5360 (LH) & 221 0-C-5359 (RH) Std. Forge 202199-X9-116L (LH) & 202199-X9-116R (RH)	





### 1-1/2" – 10 Spline, Standard "S" Head Camshafts - Heavy Duty Cams for use with Tayco Lock-On Slack Adjusters

							
Left Hand As viewed from Head		Dimension C is from shoulder of camhead to far edge of snap ring groove *Part Numbers include the Lock Nut				Right Hand As viewed from Head	
PART NO.		DIMENSIONS				APPLICATION AND GENERAL INFORMATION	
LEFT HAND	RIGHT HAND	A	B	C	D		
03.1210.L	03.1210.R	205.1mm	45mm	162.6mm	22mm	For Mack Heavy Duty Version of 03.021 O.L & 03.021 O.R	

1-1/2" – 28 Spline, Standard "S" Head Camshaft

				
Left Hand As viewed from Head	Dimension A is from shoulder of camhead to far edge of snap ring groove	Right Hand As viewed from Head		
PART NO.		DIMENSIONS		APPLICATION AND GENERAL INFORMATION
LEFT HAND	RIGHT HAND	A	B	
<b>03.0510.L</b>	<b>03.0510.R</b>	8.63" = 219.2mm	1.79" = 45.5mm	For Mack Truck Axles For Rockwell Drive Axles Replaces: Rockwell 2210-F-5440 (LH) & 2210-E-5439 (RH)
<b>03.0514.L</b>	<b>03.0514.R</b>	9.16" = 232.7mm	1.79" = 45.5mm	For Mack Truck Axles For Rockwell Drive Axles Replaces: Rockwell 2210-V-5456 (LH) & 2210-U-5455 (RH)
<b>03.0528.L</b>	<b>03.0528.R</b>	11.72" = 297.7mm	1.79" = 45.5mm	For Mack Truck Axles For Rockwell Drive Axles Replaces: Rockwell 2210-H-5416 (LH) & 2210-G-5415 (RH)






S-Camshafts with Kits

	PART NO.	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
	<b>98.1210.L</b> <b>98.1210.R</b>		Heavy Duty Camshaft Kit Left Hand Camshaft Kit Right Hand Includes: 1 x 03.1210 L or R 1 x 01.0131.00
	<b>98.0510.L</b> <b>98.0510.R</b>	LENGTH= 8.63"= 219.2MM FULL BEARING= 1.79"= 45.5MM	Camshaft Kit Left Hand Camshaft Kit Right Hand Includes: 1 x 03.0510 L or R 1 x 01.0135.00
	<b>98.0514.L</b> <b>98.0514.R</b>	LENGTH= 9.16"= 232.7MM FULL BEARING = 1.79"= 45.5MM	Camshaft Kit Left Hand Camshaft Kit Right Hand Includes: 1 x 03.0514 L or R 1 x 01.0135.00
	<b>98.0528.L</b> <b>98.0528.R</b>	LENGTH= 11.72"= 297.7MM FULL BEARING= 1.79"= 45.5MM	Camshaft Kit Left Hand Camshaft Kit Right Hand Includes: 1 x 03.0528 L or R 1 x 01.0135.00




## Mack Camshaft Support Brackets

PART NO. (WELDED)	REPLACES	PART NO. (NOT WELDED)	A	B	SLACK ADJUSTER LENGTH	REMARKS
			LENGTH OF BRACKET	CHAMBER MOUNTING ANGLE		
03.1801.R 03.1801.L		03.1801.XR 03.1801.XL	71.0mm 71.0mm	171.5° 171.5°	5-1/2" 5-1/2"	Right Hand Left hand
03.1821.R 03.1821.L	A 1-3299-F-3984 A 1-3299-H-3986	03.1821.XR 03.1821.XL	66.9mm 66.9mm	52.5° 52.5°	5-1/2" 5-1/2"	Right Hand Left hand





## Mack Cam Bushes

	PART NO.	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
	03.2119.5	O.D=1-7/8" = 47.6MM I.D=1-1/2" = 38.1MM LENGTH=1.77" = 45.0MM	For Eaton, Mack, and Rockwell Front and Drive Axles; Spline-End Bushing Plated Steel Bush Used in Support Bracket for Mack Fitted with Tayco Brakes Includes: 1 'O' Ring 03.2455.0
	03.2209.0	O.D= 1-7/8" = 47.6MM I.D=1-1/2" = 38.1MM LENGTH=1-3/16" = 30.2MM	For Eaton, Mack, and Rockwell Front and Drive Axles; Spline-End and Cam Head End Bushing Nylon Bush (No Grease Hole) Use with 1 Seal that is appropriate for Application Replaces: Rockwell 1225-N-378
	03.2209.2	O.D=1-7/8" = 47.6MM I.D=1-1/2" = 38.1MM LENGTH= 1-31/64" = 37.7MM	For Eaton, Mack, and Rockwell Front and Drive Axles; Spline- End and Cam Head End Bushing Nylon "Flanged" Version of 03.2209.0 Includes: 1 'O' Ring 03.2455.0
	03.2209.3	O.D=1-7/8" = 47.6MM I.D=1-1/2" = 38.1MM LENGTH- 1-3/16" = 30.2MM	For Eaton, Mack, and Rockwell Front and Drive Axles; Spline- End and Cam Head End Bushing Plated Steel Version of 03.2209.0. Use with 1 Seal Appropriate for Application.
	03.2209.5	O.D=1-7/8" = 47.6MM I.D=1-1/2" = 38.1MM LENGTH=39MM	For Eaton, Mack, and Rockwell Front and Drive Axles; Spline-End and Cam Head End Bushing Plated "Flanged" Steel Version of 03.2209.0 Used in Spider for Mack Fitted with Tayco Brakes Includes: 1 'O' Ring 03.2455.0

## Mack Camshaft Spacers and Washers

	PART NO.	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
	03.2520.0	SUITS SHAFTS= 46MM I.D=1-1/2" = 38.1MM WIDTH- 3.4MM	Slack Adjuster; Plated Steel Washer For Mack and Rockwell;
	03.2521.1	SUITS SHAFTS- 49MM I.D- 1-1/2" = 38.1MM WIDTH- 5MM	For Mack; Plated Steel Washer
	03.2523.1	O.D= 49MM SUITS SHAFT=22MM & 1-1/2" = 38.1MM THICK= 5.5MM	Mack Washer



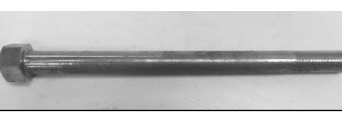



## Mack Clutch Parts

	PART NO.	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
	98.21QB39401M		Housing Clutch Control
	98.21156844	MAIN THICKNESS=22MM BODY THICKNESS=19MM	Spacer Disc Fan Clutch
	98.33MX49409M	HANDLE THICKNESS =12MM HOLE CENTRE LINE TO CENTRE LINE = 72MM HOLE SIZE = 15.87MM	Lever Clutch Assembly
	98.52MX39403M	O/ALL LENGTH =1.0MM C/C 76.00MM ARM 67.0MM	Clutch Control Lever
	98.52MX39403M2	O/ALL LENGTH = .2.0MM C/C 42.22MM ARM 32.2MM	Lever Clutch Control

















**Mack Clutch Parts**

	<b>PART NO.</b>	<b>DIMENSIONS</b>	<b>APPLICATION AND GENERAL INFORMATION</b>
	<b>98.52MX49402AM</b>		Lever Clutch
	<b>98.65RU29422M</b>	LENGTH= 75.00 OD= 25.3	Shaft Clutch Pivot
	<b>98.65RU39403M</b>	OVERALL LENGTH=1050MM KEY WAY= 6.36MM SHAFT DIA = 22.73MM	Shaft Clutch Control
	<b>98.38MH39401M</b>	OD = 120MM HOLE PCD = 96 X 8.8MM TAPPED HOLE PCD = 88.90 X 3/8 UNF WIDTH = 71.00MM	Hub Fix
	<b>98.90RU29405M2</b>	LENGTH = 125MM THREAD LENGTH = 45MM THREAD = 1/2-20UNF	Adaptor Clutch Cable






**Mack Axle and Stud Disk Wheel Parts**

	<b>PART NO.</b>	<b>DIMENSIONS</b>	<b>APPLICATION AND GENERAL INFORMATION</b>
	<b>98.43RU2112P3</b>	LENGTH = 152.4MM 3/4 -16 UNF THREAD BOLT ENDS	Stud shock absorber
	<b>98.43RU29471M</b>	5/8-18UNF-3A THREAD O/ALL LENGTH = 75.5MM 5/8-11UNFC-5HF THREAD	Stud special axle drive
	<b>98.43RU39404M4</b>	M20 X 2.5MM X 25	Bolt special
	<b>98.43RU39407M18</b>	LENGTH= 340 MM THREAD= 98MM	Bolt hexagon head
	<b>98.43RU39410M</b>	142.00 LENGTH M22 X 1.5MM	Stud disk wheel
	<b>98.43RU39410M3</b>	LENGTH = 120.00 MM M22 X 1.5MM	Stud disk wheel






## Mack Spacers

PART NO. DIMENSIONS APPLICATION & GENERAL INFORMATION		PART NO. DIMENSIONS APPLICATION & GENERAL INFORMATION	
	<b>98.35AX1461</b> OD= 1.375 ID= 0.812 WIDTH= 0.112 Spacer		<b>98.44MRU29418M</b> 100.00 MM OD 30.00 MM ID 8.00 MM WIDTH Washer spacer-beam bracket
	<b>98.44RU39401M7</b> 39.0MM OD 21.00MM ID 28.3MM WIDTH Spacer round steel hardened		<b>98.44RU39401M8</b> 42.0MM OD 25.00MM ID 4.5MM WIDTH Spacer round steel hardened
	<b>98.44RU39401M14</b> 35.0MM OD 20.00MM ID 10.8MM WIDTH Spacer round steel hardened		<b>98.44RU39401M15</b> 35.0MM OD 20.00MM ID 15.0MM WIDTH Spacer round steel hardened
	<b>98.44RU39401M21</b> 35.0MM OD 20.00MM ID 14.3MM WIDTH SHM torque rod		<b>98.44RU39401M23</b> 35.0MM OD 20.00MM ID 6.30MM WIDTH SHM torque rod
	<b>98.44RU39401M24</b> 35.0MM OD 17.00MM ID 16.5MM WIDTH SHM torque rod		<b>98.44RU39401M25</b> 35.0MM OD 17.00MM ID 10.5MM WIDTH SHM torque rod
	<b>98.44RU39401M27</b> 35.0MM OD 17.0MM ID 15.0MM WIDTH Spacer		<b>98.44RU39401M29</b> 35.0MM OD 17.0MM ID 11.4MM WIDTH Spacer
	<b>98.44RU39401M30</b> 35.0MM OD 20.0MM ID 8.3MM WIDTH Spacer		<b>98.44RU39401M31</b> 35.0MM OD 20.0MM ID 9.90MM WIDTH Spacer
	<b>98.44RU39401M35</b> 35.00 MM OD 20.00 MM ID 9.00 MM WIDTH Spacer round steel hardened		<b>98.44RU39401M36</b> 36.00 MM OD 23.00 MM ID 8.00 MM WIDTH Spacer hardened

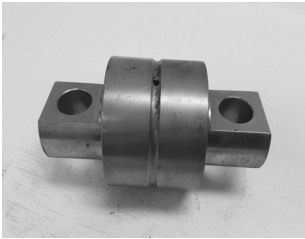


Mack Spacers

PART NO. DIMENSIONS APPLICATION & GENERAL INFORMATION		PART NO. DIMENSIONS APPLICATION & GENERAL INFORMATION	
	<b>98.44RU39401M41</b> 45.0MM OD 27.0MM ID 12.0MM WIDTH Spacer		<b>98.44RU39401M43</b> 42.0MM OD 25.52MM ID 8.20MM WIDTH Spacer
	<b>98.44RU39401M45</b> 42.00 MM OD 25.00 MM ID 9.00 MM WIDTH Spacer		<b>98.44RU39401M47</b> 39.0MM OD 21.0MM ID 7.0MM WIDTH Spacer
	<b>98.44RU39401M48</b> 39.0MM OD 21.0MM ID 5.50MM WIDTH Spacer		<b>98.44RU39402M4</b> 39.0MM OD 21.0MM ID 10.0MM WIDTH Spacer
	<b>98.73RU29401M</b> OD 12.7MM ID 5.0MM LENGTH 14.55 Spacer park brake (steel)		<b>98.73RU29402M</b> 12.7MM OD 5.0MM ID 14.55 LENGTH Spacer park brake (aluminium)
	<b>98.73RU29402M2</b> 16.0MM OD 10.5MM ID 31.0MM WIDTH Spacer plain round		<b>98.73RU39402M4</b> 16.0MM OD 7.0MM ID 30.0MM WIDTH Spacer plain round
	<b>98.73RU39402M23</b> 16.0MM OD 7.0MM ID 30.0MM WIDTH Spacer plain round		<b>98.73RU39402M34</b> 40.0MM OD 20.0MM ID 30.0MM WIDTH Spacer
	<b>98.73RU39402M35</b> 50.0MM OD 17.0MM ID 8.0MM WIDTH Spacer plain round		<b>98.73RU39402M36</b> 39.0MM OD 20.0MM ID 15.0MM WIDTH Spacer plain round
	<b>98.73RU39402M39</b> 25.4MM OD 10.50MM ID 15.0MM WIDTH Spacer plain round		<b>98.73RU39402M43</b> 60.0MM OD 23.0MM ID 2.0MM WIDTH Spacer plain round

## Mack Spacers

PART NO. DIMENSIONS APPLICATION & GENERAL INFORMATION		PART NO. DIMENSIONS APPLICATION & GENERAL INFORMATION	
	<b>98.73RU39402M44</b> 25.0MM OD 13.0MM ID 10.0MM WIDTH Spacer plain round		<b>98.73RU39402M46</b> 58.0MM OD 13.0MM ID 6.0MM WIDTH Spacer plain round
	<b>98.73RU39402M48</b> 32.0MM OD 12.5MM ID 27.0MM WIDTH Spacer- mud guard support		<b>98.X50RU23-P20</b> 20.0MM OD 17.27 ID 6MM WIDTH Spacer
	<b>98.X50RU23P30</b> 32 X 32 X 15 Spacer Round		

## Mack Suspension Bushes

	PART NO.	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
	<b>09.1501.08</b>	SHAFT HOLE DIA= 23.0MM BOSS O.D= 76.2MM BOSS WIDTH= 63.5MM SHAFT HOLE TO HOLE=111.1MM SHAFT ACROSS FLATS= 28.6MM	For Mack Lightweight, 38,000 lb., & Heavyweight Suspensions
	<b>09.1501.18</b>	SHAFT OVER ALL LENGTH= 176.6MM BOSS O.D= 76.2MM BOSS WIDTH= 63.5MM SHAFT THREAD= 1-1/4" 12TPI UNF SHAFT TAPER LENGTH= 55.7MM SHAFT TAPER DIA= 45.9MM	For Mack Lightweight 38,000 lb., & Heavyweight Suspensions
	<b>09.1504.18</b>	SHAFT HOLE DIA= 19.1MM BOSS O.D= 104.7MM BOSS WIDTH= 58.0MM SHAFT HOLE TO HOLE=145.0MM SHAFT ACROSS FLATS= 30.2MM	For Mack Berliet 3045







## Mack Suspension Bushes

	PART NO.	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
	<b>09.1505.08</b> (Poly- <b>09.1505.09</b> Washer- <b>09.1505.06)</b>	SHAFT HOLE DIA=19.1MM BOSS O.D=80.0MM BOSS WIDTH=55.0MM SHAFT HOLE TO HOLE=145.0MM SHAFT ACROSS FLATS=30.2MM	For Mack Replaces: Mack FAMACTSM442
	<b>09.1517.08</b>  <b>Mack Part No:</b> <b>98.38QF29407</b> <b>M</b>	SHAFT HOLE DIA=19.8MM BOSS O.D=88.8MM BOSS WIDTH=68.0MM SHAFT HOLE TO HOLE=111.1MM SHAFT ACROSS FLATS=36.3MM	For Mack, Neway AD. 252-11 and Rockwell Suspensions Replaces: Mack 380F29407M
	<b>09.1517.18HD</b>	SHAFT HOLE DIA=19.8MM BOSS O.D=88.8MM BOSS WIDTH=68.0MM SHAFT HOLE TO HOLE=111.1MM SHAFT ACROSS FLATS=36.3MM	Non – Repairable Poly Bush (as above – 09.1517.08) Heavy Duty
	<b>09.1517.28</b>  <b>Mack Part No:</b> <b>98.38QF29408</b> <b>M</b>	SHAFT HOLE DIA=203.5MM BOSS O.D=88.8MM BOSS WIDTH=68.0MM SHAFT THREAD=1-1/4"12 TPIUNF SHAFT TAPER LENGTH= 78.4MM SHAFT TAPER DIA.= 45.0MM	For Mack, Neway AD. 252-11 and Rockwell Suspensions Replaces: Mack 38QF29408MI
	<b>09.1520.08</b>  <b>Mack Part No:</b> <b>98.38QF29402</b> <b>M</b>	SHAFT HOLE DIA=26.0MM BOSS O.D=104.7MM BOSS WIDTH= 63.5MM SHAFT HOLE TO HOLE=135.7MM SHAFT ACROSS FLATS= 34.9MM	For Mack, Neway AD. 252-11 ,Rockwell (Large 0.0. Boss - Large Shaft) and Western Star Replaces: Mack 380F29402M Rockwell A-2297-D-82A Rockwell A-2297-X-3664
	<b>09.1520.18</b>	SHAFT HOLE DIA=26.0MM BOSS O.D=104.7MM BOSS WIDTH= 63.5MM SHAFT HOLE TO HOLE=135.7MM SHAFT ACROSS FLATS= 34.9M	Non – Repairable Poly Bush (as above 09.1520.08)


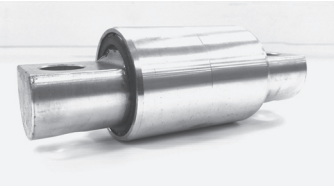
## Mack Suspension Bushes

	PART NO.	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
	<b>09.1520.28</b>  <b>Mack Part No:</b> <b>98.38QF29403</b> <b>M</b>	SHAFT HOLE DIA=200.0MM BOSS O.D=104.7MM BOSS WIDTH=63.5MM SHAFT THREAD=1-1/4"12 TPIUNF SHAFT TAPER LENGTH= 73.8MM SHAFT TAPER DIA.= 35.3M	For Mack and Newway AD. 252-11 Suspensions  Replaces: Mack 38QF29403M
	<b>09.1525.08</b>	SHAFT HOLE DIA=21.0MM BOSS O.D=104.7MM BOSS WIDTH=63.5MM SHAFT HOLE TO HOLE=152.0MM SHAFT ACROSS FLATS=35.0MM	For Mack
	<b>09.1653.08</b>	SHAFT HOLE DIA=18MM BOSS O.D=76.2MM BOSS WIDTH=61.95MM SHAFT HOLE TO HOLE=111.0MM SHAFT ACROSS FLATS=29MM	Replaces: Mack 3 Inch Straddle ATRO: TS46000
	<b>09.1658.28</b>	OD = 2 3/4" LENGTH = 7", STUD = 1 1/4" 12 TPI	Tapered Straddle Mount Pin Assembly Non repairable  Replaces: Mack: 1688-229240, ATRO TM38000A & TM38000B Hendrickson 46735, 64400-007L Meritor R302815, R309518
	<b>98.1688.22772</b> <b>0</b>	SHAFT HOLE DIA = 18MM BOSS O.D= 69.87MM BOSS WIDTH= 61 MM SHAFT HOLE TO HOLE=111 MM SHAFT ACROSS FLATS=29 MM	Mack Torque Rod and Swaybar Straddle Bushing 2 Inch 49/64 Straddle Assembly Replaces  Single Axle, Corporate Air Hendrickson 44695 Mack 1688-227720: SS34/38, ST34 Taper Leaf,  Mack 240530 (SS44, SW557, SW5573 Camelback ATRO: TS38000A Torque Rod Bushing, TS59-22400 Straddle Bushing (High Articulation)  Straddle Pin 360 Degrees Rotation, 11 Degrees lateral

## Mack Suspension Bushes

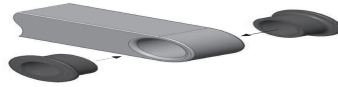
	PART NO.	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
	98.25164942	21.75 INCHES	Centre to Centre Torque Rod Mack 552 Mack Part Number 25164942 Hendrickson Suspension Bushing included
	98.21370896	600mm Centres	Mack Torque Rod Assembly 600mm Centres straight Bushing included Replaces 17QF49404M Rockwell A2297-x-X3664A Meritor A2297D 82A
	98.21286391	574mm Centres	Mack Torque Rod Assembly 574mm Centres - tapered Bushing included Replaces 17QF49405M2 Rockwell A2297-x-X3664A Meritor A2297D 82A Mack 38QF29403
	98.10QK39403 M	OD = 115.30MM ID = 88.46 MM LENGTH = 190MM	Bush poly a90 red
	98.21036254	OD = 44.45mm (Button / Pin) LENGTH = 152.4mm HEIGHT= 95.25mm WIDTH = 152.4mm	Mack Lower Insulator Replaces Mack 10QK36B, 10QK388 & ATRO MA36000
	98.25115012	OD = 44.45mm (Button / Pin) LENGTH = 152.4mm HEIGHT= 76.2 mm WIDTH = 114.30mm	Mack Upper Insulator Replaces Mack 10QK370 & ATRO MA37000

# HENDRICKSON / PRIMAXX SUSPENSION PARTS

	PART NO.	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
	98.58648000	OD = 74.62mm, LENGTH = 92.07mm ID = 31.75mm	PIVOT BUSHING (INNER PIN FULLY ROTATES) FOR USE IN THE HENDRICKSON PRIMAXX REPLACES ATRO - PB50-26648, GAFF 18821, HENDRICKSON 58648000, 70425001, HINO 58648-000, VOLVO HDR58648000, 85109229
	98.6038300	OD = 63.5mm, Centre to Centre = 141.28mm Hole = 22.225mm	D PIN BUSHING (INNER PIN FULLY ROTATES) FOR USE IN THE HENDRICKSON PRIMAXX REPLACES ATRO - SU50-29383, GAFF 13627, HENDRICKSON 60383000

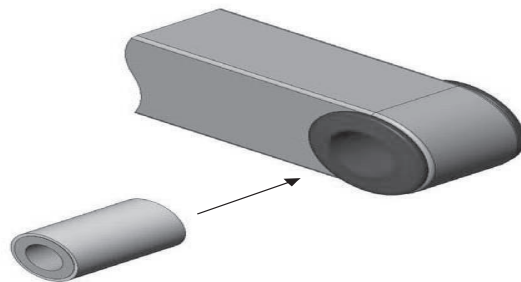
## Installation Instructions Part: 98.58648000

1.) Install two halves of polyurethane bushing into beam as shown below.



2.) Install inner sleeve/low friction sleeve assembly into polyurethane bushing as an entire unit. This can be done in two ways:

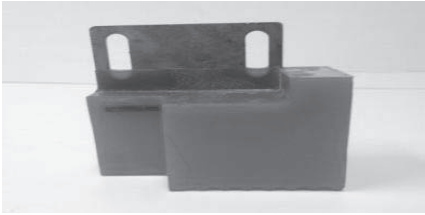
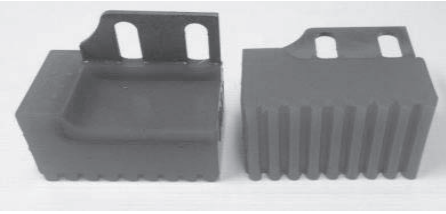
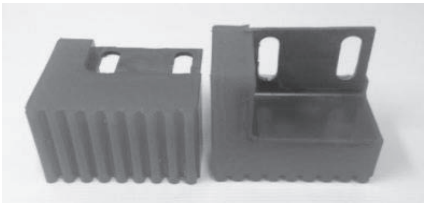
- using a press in conjunction with a flat plate to press both sleeves in at once
- using a long 1" or 1 1/8" bolt & nut with two large flat washers (or plates with a bolt hole through them) to draw both sleeves in at once



3.) Re-install beam according to OEM procedures and guidelines.


# KENWORTH PARTS

## Kenworth Truck Parts


	PART NO.	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
	<b>12.6001.8</b>	39.0MM SMALL O.D. 83.5MM LARGE O.D. 1 01.6MM OVERALL LENGTH OF POLYURETHANE	For Kenworth Trucks  Replaces: Kenworth QK179-375
	<b>12.6002.8</b>	LENGTH = 104MM WIDTH = 56MM HEIGHT = 71MM HOLES CENTRES ARE 60MM	Kenworth Hood Mount Block Replaces R85-1236 & R85-1236R
	<b>12.6003.8</b>	HEIGHT: 1 3/16" (UPPER) & 1/2" (LOWER)  INNER DIAMETER: 13/16"  SMALL OUTSIDE DIAMETER: 2"  LARGE OUTSIDE DIAMETER: 3 1/4"	Kenworth Motor Mount Kit Sold as one (1) piece  Replaces K066-423 & K066-404 (Upper and Lower) ATRO Kit suit T300 MM59-62407
	<b>12.6004.9</b>	OD = 189.5MM ID= 176MM	Kenworth Seal Air Piping  Replaces G42-1008 Kenworth Part Number
	<b>12.6005.8</b>	LENGTH = 80MM WIDTH = 34MM HEIGHT = 80MM HOLES CENTRES ARE 30MM	Kenworth Hood Mount Block Replaces R85-1252L & R85 1252R
	<b>12.6006.8</b>	LENGTH = 80MM WIDTH = 34MM HEIGHT = 80MM HOLES CENTRES ARE 40MM	Kenworth Hood Mount Block Replaces R85-1160L & R85 1160R

## Kenworth Truck Parts

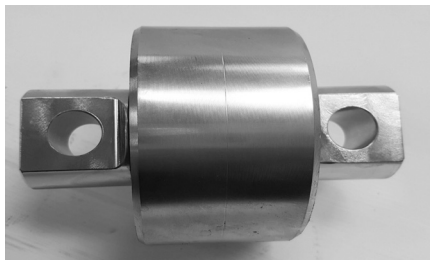
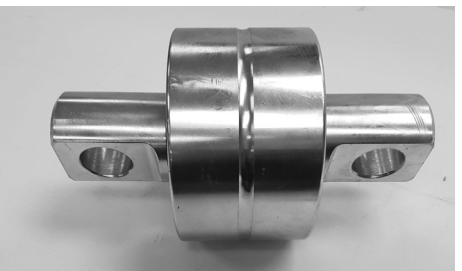
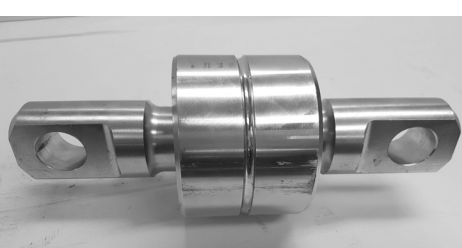
	PART NO.	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
 <p>Top &amp; Bottom view - sold individually</p>	12.6010.8	OD = 97MM ID= 19.5M MIDDLE DIAMETER=53MM OVERALL HEIGHT = 65MM HEIGHT TO EDGE OF SLOPE =58MM	Kenworth Anti Vibration Front Engine Mount Bush  Replaces K066-229 Kenworth Part Number  Made with 80 Duro
 <p>Top &amp; Bottom view - sold individually</p>	12.6011.8	OD = 80MM ID= 16.5MM MIDDLE DIAMETER=45MM HEIGHT = 63MM	Kenworth Bush Typical applications are as a bottom radiator mount, cab mounts, and/or hood mounts  Replaces Kenworth K066-250 & K066-176 Made with 80 Duro
	12.6101.8	OD = 40.9MM ID= 20MM MIDDLE DIAMETER =27.5MM OVERALL HEIGHT = 16.4MM  PER BUSH PIN OD= 20.1MM PIN ID =15.8MM PIN LENGTH = 41MM	Kenworth Bonnet Pivot Bush Comes with 2 bushes & 1 centre pin  Replaces K066-497 Kenworth Part Number Rubber Bush K066-500 Kenworth Part Number Pin / Shaft Made with 80 Duro
	12.6102.8		Kenworth Radiator Stay Bush Replaces K264-84 (Bush) K221.4992 (Sleeve)
	12.6103.8		Kenworth Exhaust Mount Bush
	12.6105.8		Rear Engine Mount Kenworth For C509, K100, K100E, W925, K104, T404, T650, T950  Replaces M506-70R, K066-274, K066-282, K066-320
	12.6106.9T 12.6106.9B  Sold as one (1) unit		Kenworth Bonnet Top & Bottom Mount  Replaces Kenworth Top : K066-462 & KO66-517 Kenworth Bottom: K066-463 & K066-516  Sold as one (1) unit / together
	12.6110.8		Kenworth Rear Cab Mounting Block For K104 & K108 Series  Replaces K235-1954  Includes Housing
	12.7010.08PH	LARGE OD=63.5MM SMALL OD=38.25MM ID = 16.3MM WIDTH = 24.4MM	Kenworth Radiator Mount Half Size  Replaces K066 – 177 Kenworth Part Number

	<b>99.CUMFFK.0 01</b>	<p style="text-align: center;">Fuel Filter Kit Cummins Kenworth E5 Signature and ISX Motors Including Mounting Bracket, Screws, Washers &amp; Hose (all fittings for installation)</p>
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### Kenworth Shackle Pin & Bush

	<b>PART NO.</b>	<b>DIMENSIONS</b>	<b>APPLICATION AND GENERAL INFORMATION</b>
	<b>09.6410.0</b>	Pin OD : 33.7mm Length: 190mm  Bush OD : 44.30mm Length: 101mm	Kenworth Shackle Pin & Bush Kit  Replaces Kenworth 5295 & K179-378 Pin

### Kenworth Suspension & Bushes

	PART NO.	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
	<b>09.1521.08</b>	SHAFT HOLE DIA.= 19.5MM BOSS O.D = 104.7MM BOSS WIDTH= 63.5MM SHAFT HOLE TO HOLE = 111.1 MM SHAFT ACROSS FLATS= 34.9MM	For Kenworth (Standard)  Replaces: Kenworth K066C259 and Rockwell A-2297-R-18A
	<b>09.1521.18</b>	SHAFT HOLE DIA.= 19.5MM BOSS O.D = 104.7mm BOSS WIDTH = 63.5 MM SHAFT HOLE TO HOLE = 111.1 MM SHAFT ACROSS FLATS = 34.9MM	Torque Rod Bush Assembly Non – Repairable Poly Bush (as above 09.1521.18)
	<b>09.1523.08</b>	SHAFT HOLE DIA.= 24.0MM BOSS O.D = 88104.7MM BOSS WIDTH = 63.5 MM SHAFT HOLE TO HOLE = 133.0 MM SHAFT ACROSS FLATS = 32.0 MM	For Kenworth (Off Road)  Replaces: Rockwell A-2297 -K-1 051
	<b>09.1526.18</b>	SHAFT HOLE DIA.=26.0 MM BOSS O.D = 104.7MM BOSS WIDTH = 63.5 MM SHAFT HOLE TO HOLE = 191.0 MM SHAFT ACROSS FLATS = 35.0MM	Kenworth C540 6 Rod Suspension Heavy Duty – Screw Type

## Kenworth Suspension & Bushes

	PART NO.	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
	<b>09.1651.18</b>	SHAFT HOLE DIA.= 18MM BOSS O.D = 69.87MM BOSS WIDTH = 61 MM SHAFT HOLE TO HOLE = 111.0 MM SHAFT ACROSS FLATS = 29MM	2 Inch 49/64 Straddle Assembly Replaces  Kenworth 227720: Airglide 100, Glide Ride, 4 Bag Airglide, 'Big 6" for use in stabiliser bar.  Kenworth 836940: Airglide 200/400/460/690  International 1693061C1: Corporate Four Springs, 8100/9200  Single Axle, Corporate Air Hendrickson 44695  ATRO: TS38000 Torque Rod Bushing, TS59-22400 Straddle Bushing (High Articulation), SK70380  Straddle Pin 360 Degrees Rotation, 11 Degrees lateral
	<b>09.1656.28</b>	OD = 2 3/4" LENGTH = 7", STUD = 1 1/4" 12 TPI	Tapered Straddle Mount Pin Assembly  Non repairable
	<b>09.4200.08</b>	SHAFT HOLE DIA= 18.0MM SHAFT HOLE TO HOLE= 111.0MM SHAFT ACROSS FLATS= 29.0MM	Replaces: Kenworth K195-474 Airglide 200/400/460/690. ATRO / TR59-41474 High Articulation bushings. Screw in type. Full Rotation of pin. Including lateral movement of 11 Degrees Includes the following parts: Pin: 09.1651.03 (1) Poly Bushing: 09.1651.09 (2) Screw-in Washer: 09.1651.06 (1)
	<b>09.7972.9</b>	102.0MM I.D. 127.0MM O.D. 125.0MM LENGTH	Trunnion Bushes and Pad, For Kenworth Big 6 Truck Spring Suspensions

# WESTERN STAR PARTS



## Western Star Cab & Engine Parts


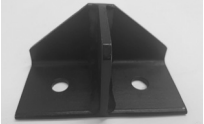
	PART NO.	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
	12.J2124613	<p><b>Lower Engine Mount</b> Length 163mm", Width 80mm, Large OD 50mm, Centre to Centre 100mm</p> <p><b>Upper Engine Mount</b> Length 185mm", Width 85mm, Large OD 50mm, Thickness 25mm</p>	<p>Western Star Upper &amp; Lower Engine Mount</p> <p>Replaces Western Star Part No: J2124613 Sold as one (1) unit</p>
	12.700.08	<p><b>Lower Engine Mount</b> Length 1 3/16", ID 5/8", Large OD 3", Small OD 1 13/16"</p> <p><b>Upper Engine Mount</b> Note- must use with 2 PL1015 mounts for lower position at same time. Dimensions: Length 6", Height 3/4", Width 3", ID 5/8", OD 1 7/8</p>	<p>Western Star Upper &amp; Lower Engine Mount</p> <p>Replaces 12004-3402 &amp; 04-9009997 &amp; 04.900999 &amp; K066-228</p>
	99.BTC.633033479	Centre to Centre 364mm Hole Size 13mm	<p>Western Star Cab Cross Brace</p> <p>Replaces Western Star Part No.633033479</p>
	99.BTC.CCB2204143	O.D. = 87mm Length = 76mm I.D = 16mm	<p>Isolator Cab Support - Poly</p> <p>Replaces Western Star Part No. CCB2204143</p>
 Top & Bottom view sold individually	99.A1718108001.70	Length = 101mm Width = 76mm Depth = 38mm Holes Centres are 50mm	<p>Western Star Isolator Rear Support Hood</p> <p>Replaces A1718108001.70</p>
	99.BTC.05-16070	ID= 17mm OD = 76.2mm Overall Length= 50mm	<p>Western Star 4900 Radiator Mount 2013 Model - 2 Piece 75 Duro Polyuthrane</p> <p>Replaces: 05-16070-000</p>
	99.BTC.373023403	Large O.D. = 47.6mm Small O.D. = 36.5mm Length = 30.2mm I.D = 25.4mm	<p>Western Star Shock Bush</p> <p>Replaces GAFF 30507, EUCLID E-7529, ATRO PL1139</p>

## Western Star Cab & Engine Parts

	PART NO.	APPLICATION AND GENERAL INFORMATION
	<b>A17.18932000LH</b>	Western Star Mount Assembly - Hood Standard - Left Hand
	<b>A17.18932000RH</b>	Western Star Mount Assembly - Hood Standard - Right Hand
	<b>99.BTC.1847550002.08M</b>	Rod End Hood Pivot - With Poly Ball
	<b>99.A17940.00</b>	Western Star Bonnet Knife Blade Support Arm Right Hand & Left Hand Sold as a Pair Replaces: A17940.00
	<b>99.A17925.00</b>	Western Star Bonnet Knife Blade Support Arm Right Hand & Left Hand Sold as a Pair Replaces: Western Star 4900 Series Truck
	<b>99.BTC.0100</b>	Western Star ABS Valve Muffler Insert Made out of aluminum instead of plastic to avoid replacing
	<b>99.BTC.373033417HD</b>	Western Star Front Shocker Arm Replacement.

## Western Star Chassis Brackets

	PART NO.	APPLICATION AND GENERAL INFORMATION
	<b>99.BTC.STYX2009.0</b>	Aluminium cab shock bracket
	<b>99.BTC.STYX2010</b>	Steel shock absorber bracket RH




	<b>99.BTC.STYX2011</b>	Steel shock absorber bracket LH
	<b>99.BTC.STYX2012</b>	Steel bracket to chassis black

## Western Star Suspension Bushes

	<b>PART NO:</b>	<b>DIMENSIONS</b>	<b>APPLICATION AND GENERAL INFORMATION</b>
	<b>09.1520.08</b>	SHAFT HOLE DIA.= 26.0MM BOSS O.D.= 104.7MM BOSS WIDTH= 63.5MM SHAFT HOLE TO HOLE= 135.7MM SHAFT ACROSS FLATS= 34.9MM	For Mack, Neway AD. 252-11 ,Rockwell (Large 0.0. Boss - Large Shaft) and Western Star Replaces: Mack 380F29402M Rockwell A-2297-D-82A Rockwell A-2297-X-3664
	<b>09.1520.18</b>	SHAFT HOLE DIA.= 26.0MM BOSS O.D.= 104.7MM BOSS WIDTH= 63.5MM SHAFT HOLE TO HOLE= 135.7MM SHAFT ACROSS FLATS= 34.9MM	Non – Repairable Poly Bush (as above 09.1520.08)
	<b>09.1520.28</b>	SHAFT OVER ALL LENGTH = 200.0MM BOSS O.D.= 104.7MM BOSS WIDTH= 63.5 SHAFT THREAD= 1-1/4" 12TPI UNF SHAFT TAPER LENGTH=73.8MM SHAFT TAPER DIA.= 35.3MM	For Mack and Neway AD. 252-11 Suspensions Replaces: Mack 38QF29403
	<b>09.1654.08</b>	SHAFT HOLE DIA.= 21.0MM BOSS O.D.= 63.5MM BOSS WIDTH= 91MM SHAFT HOLE TO HOLE= 144MM SHAFT ACROSS FLATS= 23MM	<b>Spring Eye Bush - Western Star</b> REPLACES: Freightliner 16-18035-00, 681-325-02-50. 681-325-01-50, 16-139632-00 And ATRO UB20500 and International 3538115C1

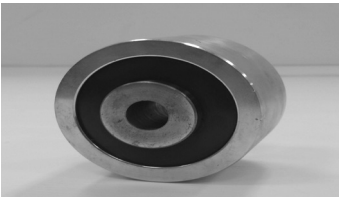
# ISUZU, MITSUBISHI, FUSO & HINO TRUCK PARTS

## Isuzu, Mitsubishi, Fuso & Hino Suspension & Bushes



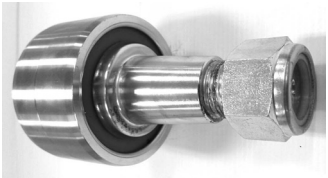
	PART NO:	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
	<b>09.1522.08</b>	SHAFT HOLE DIA. =19.1MM BOSS O.D= 105.1MM BOSS WIDTH= 52.0MM SHAFT HOLE TO HOLE=110.0MM SHAFT ACROSS FLATS=32.0MM	For Hino, Isuzu, and Nissan UD Replaces: Hino 49305-1110, Isuzu 1515190412, Nissan 55542-2-2001 & 55542-Z-2005
	<b>09.1522.18</b>	SHAFT HOLE DIA = 19.1MM BOSS O.D= 105.1MM BOSS WIDTH= 52.0MM SHAFT HOLE TO HOLE= 110.0MM SHAFT ACROSS FLATS=32.0MM	Non-Repairable Bush (As Above 09.122.08)
	<b>99.48423.08</b>	SHAFT HOLE DIA=19.0MM BOSS O.D=85.8MM BOSS WIDTH=76.8MM SHAFT HOLE TO HOLE=136.MM SHAFT ACROSS FLATS=32.0MM	Mitsubishi & Fuso Front Of Rear Shackle Bush & Pin FV547 85mm OD MK332264, MITSUBISHI FUSO 3M0708, FM67F 03 -08 FIGHTER 10.0 - 6M60-1AT1 7.5L 03 - 08 PIN FOR SHACKLE FN63F FN64F 03-08 FIGHTER 14.0-6M60- 1AT27.5L 03-08 FV547 98-03 FV54J. 53Y0604 Assembly 85mm

# IVECO TRUCK PARTS

## Iveco Cab & Engine Parts



	PART NO:	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
	<b>99.IVECO.9 7384377</b>	OD = 78.15mm Width = 63.22mm ID = 15.85mm	Iveco Stralis Front Cab Pivot Bush

## Iveco & ACCO Suspension Parts



	PART NO:	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
	<b>09.1905.08</b>	OD = 60.60mm ID= 22.60mm Length = 117mm	Iveco Front Bushing Replaces Iveco HD 40432-000
	<b>09.1906.8</b>	OD = 46.6mm ID= 19.65mm Length = 107mm	Iveco Bush Airtec Spring Replaces Iveco HD 40443-000
	<b>99.ACCO.08</b>	OD = 79.5mm Width= 48.4mm Overall Length = 137mm (inc tapered pin)	International Acco F1, F2, & F5 4 x 4 Ex-Army Truck Straddle Mount Assembly

# EUROPEAN TRUCK PARTS



## MAN Suspension Bushes

	PART NO:	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
	<b>09.1509.08</b>	SHAFT HOLE DIA=19.0MM BOSS O.D=80.0MM BOSS WIDTH=55.0MM SHAFT HOLE TO HOLE =130.0MM SHAFT ACROSS FLATS =30.0MM	For MAN. Bus (80mm O.D. Bush) Replaces: MAN. 81-43230-6043
	<b>09.1510.08</b>	SHAFT HOLE DIA=19.0MM BOSS O.D=85.0MM BOSS WIDTH=55.0MM SHAFT HOLE TO HOLE =130.0MM SHAFT ACROSS FLATS =30.0MM	For MAN. (85mm O.D. Bush) and 86 Model Volvo Replaces: MAN. 81-95302-0059

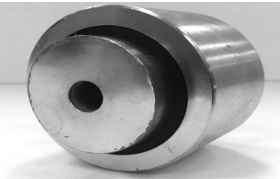
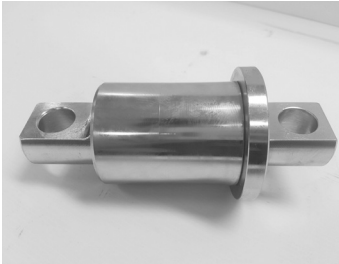
## Mercedes Suspension Bushes

	PART NO:	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
	<b>09.1506.08</b>	SHAFT HOLE DIA =21.0MM BOSS O.D=85.0MM BOSS WIDTH = 55.0MM SHAFT HOLE TO HOLE =152.0MM SHAFT ACROSS FLATS =24.3MM	For Mercedes (85mm O.D. Bush) Replaces: Mercedes A-000-350-06-13
	<b>09.1511.08</b>	SHAFT HOLE DIA=21.0MM BOSS O.D=80.0MM BOSS WIDTH=55.0MM SHAFT HOLE TO HOLE =152.0MM SHAFT ACROSS FLATS=24.0MM	For Mercedes Bus (80mm O.D. Bush) Replaces: Mercedes A-000-586-14-33



## Scania and Volvo V-Rods

	PART NO.	SHAFT HOLE DIA.	BOSS O.D.	BOSS WIDTH	SHAFT HOLE TO HOLE	SHAFT ACROSS FLATS	APPLICATION AND GENERAL INFORMATION
	<b>09.1661.08</b>	17.5	75.2	59	115	24	Straddle Bush Assembly Scania V-Rods for buses. Replace Part No: 1517403
	<b>09.1660.08</b>	19.5	84	68	116	24	Straddle Bush Assembly Volvo . V – Rods Replacement


## FREIGHTLINER TRUCK PARTS

	PART NO:	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
	<b>12.6500.08</b>	LENGTH = 90.488mm I.D= 15.875mm O.D = 95.25mm	Freightliner Cab Pivot Bushing Replaces Freightliner 18-64205-000, 18-45959-000 & ATRO CM46-61959.
	<b>09.1654.08</b>	SHAFT HOLE DIA.= 21.0MM BOSS O.D.= 63.5MM BOSS WIDTH= 91MM SHAFT HOLE TO HOLE= 144MM SHAFT ACROSS FLATS= 23MM	<b>Spring Eye Bush - Freightliner</b> REPLACES: Freightliner 16-18035-00, 681-325-02-50, 681-325-01-50, 16-139632-00 And ATRO UB20500 and International 3538115C1

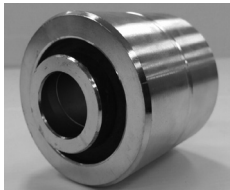
## DENNIS EAGLE TRUCK PARTS

	PART NO:	APPLICATION AND GENERAL INFORMATION
	<b>99.DE.614104</b>	Dennis Eagle Front Cab Pivot Bush
	<b>99.DE.803523</b>	Dennis Eagle Rear Cab Mount Bush

## MERITOR / ROCKWELL TRUCK PARTS

	PART NO:	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
	<b>09.7910.8</b>	OD = 152mm Width = 120.30mm ID = 23.50mm	Rockwell A-1225-N-1522 Meritor CSP Pivot Bush Green 85 Duro

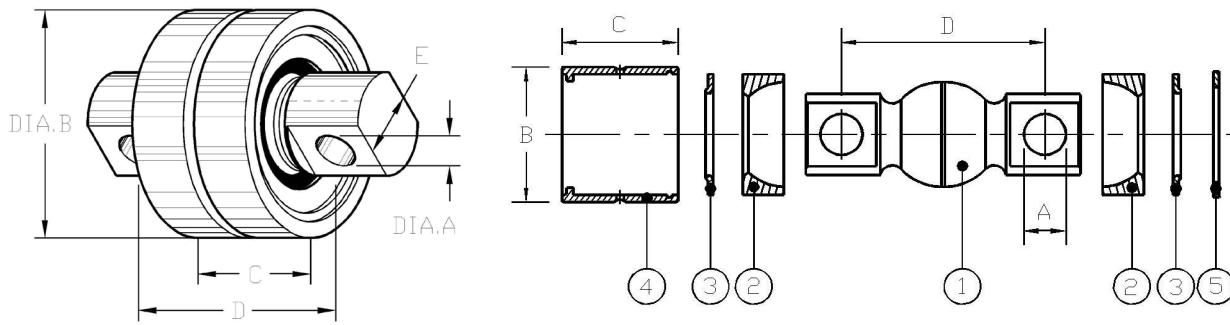
## RFW TRUCK PARTS

	PART NO:	APPLICATION AND GENERAL INFORMATION
	<b>99.RFW.08</b>	RFW PERMATRAX RADIUS ROD BUSH 70 x 25 x 63mm

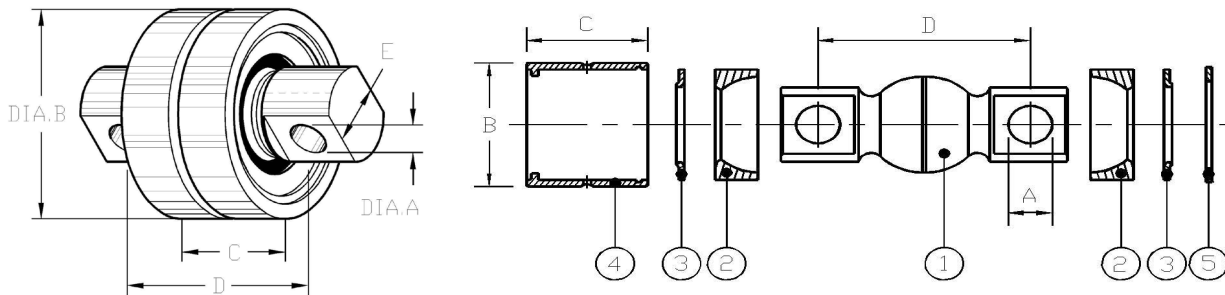
# OVERVIEW - TORQUE ROD BUSH ASSEMBLIES LIST

PART NO.	INFORMATION
09.1501.08	Mack Lightweight, 38,000 lb and Heavyweight - Straddle Mount
09.1501.28	Heavy Duty Mack Lightweight, 38,000 lb and Heavyweight - Straddle Mount
09.1504.18	Mack Berliet 3045 - Straddle Mount
09.1505.08	Mack - Straddle Mount. Replaces: Mack: FAMACTSM442
09.1506.08	For Mercedes (85mm O.D. Bush). Replaces: Mercedes A-000-350-06-13
09.1509.08	For MAN. Bus (80mm O.D. Bush). Replaces: MAN. 81-43230-6043
09.1510.08	For MAN. (85mm O.D. Bush) and 86 Model Volvo . Replaces: MAN. 81-95302-0059
09.1511.08	For Mercedes Bus (80mm O.D. Bush). Replaces: Mercedes A-000-586-14-33
09.1516.08	Rockwell - Small O.D. Boss - Straddle Mount Replaces: Rockwell: A-2297 -H-1 048
09.1517.08	Mack, Neway AD. 252-11 and Rockwell- Straddle Mount . Replaces: Mack: 38QF29407M
09.1517.18	Non – Repairable Mack, Neway AD. 252-11 and Rockwell- Straddle Mount .Replaces: Mack: 38QF29407M
09.1517.28	Mack, Neway AD. 252-11 and Rockwell- Tapered Shaft. Replaces: Mack: 38QF29408M
09.1519.08	Rockwell - Large O.D. Boss - Small Shaft - Straddle Mount Replaces: Rockwell: A-2297 -L-1 052 , Rockwell: A-2297 -P-3162 Rockwell: A-2297-Q-17A
09.1519.18	Non – Repairable. Rockwell - Large O.D. Boss - Small Shaft - Straddle Mount Replaces: Rockwell: A-2297 -L-1 052 , Rockwell: A-2297 -P-3162 Rockwell: A-2297-Q-17A
09.1520.08	Mack, Neway AD. 252-11, Rockwell and Western Star - Large O.D. Boss - Large Shaft - Straddle Mount Replaces: Mack: 38QF29402M, Rockwell: A-2297-D-82A, Rockwell: A-2297-X-3664
09.1520.18	Non- Repairable Mack, Neway AD. 252-11, Rockwell and Western Star - Large O.D. Boss - Large Shaft – Straddle Mount Replaces: Mack: 38QF29402M, Rockwell: A-2297-D-82A, Rockwell: A-2297-X-3664
09.1520.28	Mack and Neway AD. 252-11 - Tapered Shaft. Replaces: Mack: 38QF29403M
09.1521.08	Kenworth - Standard - Straddle Mount. Replaces: Kenworth:K066C259 , Rockwell: A-2297 -R-18A
09.1521.18	Non- Repairable Kenworth - Standard - Straddle Mount. Replaces: Kenworth:K066C259 , Rockwell: A-2297 -R-18A
09.1522.08	Hino, Isuzu and Nissan UD - Straddle Mount Replaces: Hino: 49305-1110, Isuzu: 1515190412 Nissan: 55542-Z-2001 Nissan: 55542-Z-2005 BP1316
09.1522.18	Non – Repairable - Hino, Isuzu and Nissan UD - Straddle Mount Replaces: Hino: 49305-1110, Isuzu: 1515190412 Nissan: 55542-Z-2001 Nissan: 55542-Z-2005
09.1523.08	For Kenworth (Off-Road). Replaces Rocwell A-2297-K-1051
09.1525.08	Straddle Mount For Mack
09.1526.18	Kenworth C540 6 Rod Suspension ( Heavy Duty)
09.1650.08	Replaces: Kenworth C13-6001 Airglide 380. ATRO SU00-29001 Spring Link Bushing
09.1651.18	Non – Repairable. Replaces: Kenworth 227720: Airglide 100, Glide Ride, 4 Bag Airglide, 'Big 6" for use in stabiliser bar.Kenworth 836940: Airglide 200/400/460/690 International 1693061C1: Corporate Four Springs, 8100/9200 Single Axle, Corporate Air Hendrickson 44695, Mack 1688-227720: SS34/38, ST34 Taper Leaf, Mack 240530 (SS44, SW557, SW5573 Camelback
09.1653.08	3 inch Straddle Assembly. Replaces: Mack
09.1656.28	Mack Tapered Straddle Mount Pin Assembly.. Replaces Mack 46735, 1688-229240
98.1688.227720	2 Inch 3/4 Straddle Assembly Suits Mack Torque Rod And Swaybar Bar Straddle Bushing Replaces ATRO TS38000 & TS38095
99.48423.08	Front of Rear Shackle Bush & Pin Assembly 85mm Mitsubishi / Fuso

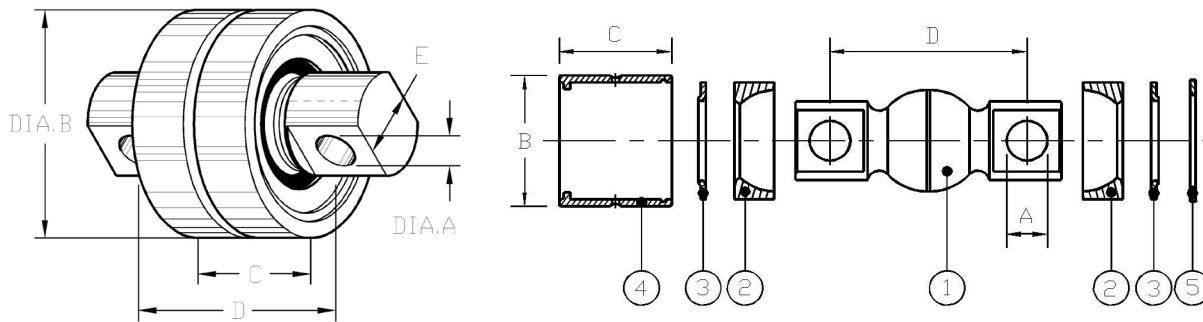
# TORQUE ROD BUSH ASSEMBLY – STRADDLE MOUNT



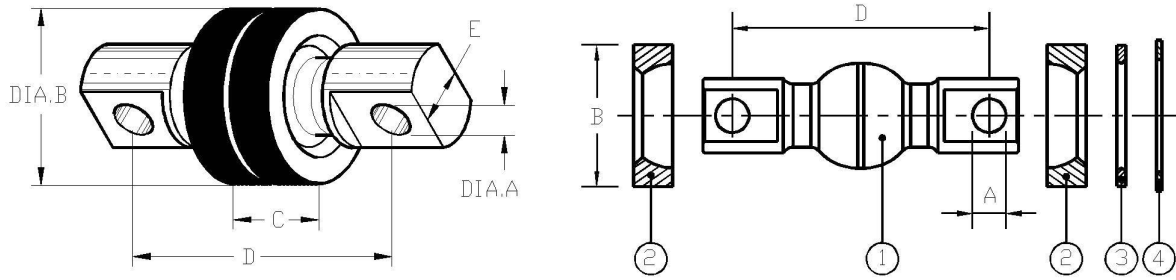
PART NO.	INCLUDES	A SHAFT HOLE DIA.	B BOSS O.D.	C BOSS WIDTH	D SHAFT HOLE TO HOLE	E SHAFT ACROSS FLATS	APPLICATION AND GENERAL INFORMATION
<b>09.1501.08</b>	1. 09.1501.03 Shaft (1) 2. 09.1501.09 Bush-Red (2) (Heavy Duty Bush) 3. 09.1501.06 Washer (2) 4. 09.1501.05 Boss Outer (1) 5. 38.130.068 Circlip (1) 09.1501.11 (2) and 09.1501.21 (2) Shaft Hole Converters - Not Shown	23.0	76.2	63.5	111.1	28.6	For Mack Lightweight, 38,000 lb., & Heavyweight Suspensions
<b>09.1504.18</b>	1. 09.1504.23 Shaft (1) 2. 09.1521.09 Bush-Red (2) (Heavy Duty Bush) 3. 09.1528.06 Washer (1) 4. 09.1528.07 Washer (1) 5. 38.130.090	19.1	104.7	58.0	145.0	30.2	For Mack Berliet 3045
<b>09.1516.08</b>	1. 09.1516.03 Shaft (1) 2. 09.1516.09 Bush-Red (2) (Heavy Duty Bush) 3. 09.1516.06 Washer (2) 4. 09.1516.05 Boss Outer (1) 5. 38.130.080 Circlip (1)	17.0	92.1	50.0	111.1	32.4	For Rockwell (Small O.D. Boss) Replaces: Rockwell A-2297 -H-1 048
<b>09.1522.08</b>	1. 09.1522.03 Shaft (1) 2. 09.1522.09 Bush-Red (2) (Heavy Duty Bush) 3. 09.1522.06 Washer (2) 4. 09.1522.05 Boss Outer (1) 5. 38.130.090 Circlip (1)	19.1	105.1	52.0	110.0	32.0	For Hino, Isuzu, and Nissan UD Replaces: Hino 49305-1110, Isuzu 1515190412, Nissan 55542-2-2001 & 55542-Z-2005 BP1316
<b>09.1522.18</b>	Non – Repairable Poly Bush	19.1	105.1	52.0	110.0	32.0	Non-Repairable Bush (as above 09.1522.08).



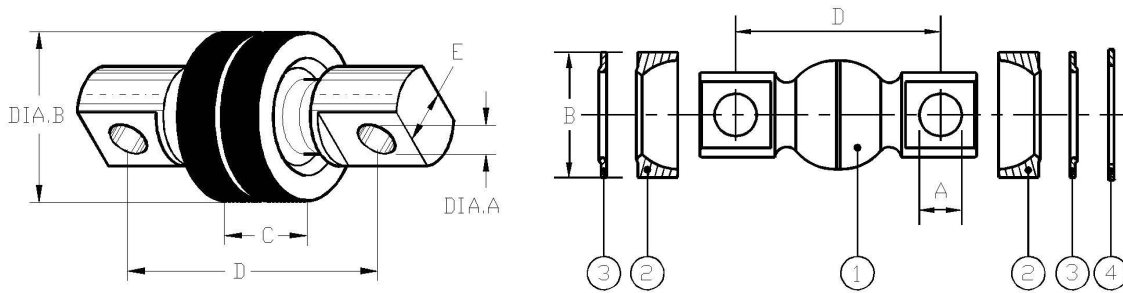
PART NO.	INCLUDES	A SHAFT HOLE DIA.	B BOSS O.D.	C BOSS WIDTH	D SHAFT HOLE TO HOLE	E SHAFT ACROSS FLATS	APPLICATION AND GENERAL INFORMATION
<b>09.1517.08</b>	1. 09.1517.03 Shaft (1) 2. 09.1505.09 Bush-Red (2) (Heavy Duty Bush) 3. 09.1517.06 Washer (2) 4. 09.1517.05 Boss Outer (1) 5. 38.130.680 Circlip (1)	19.8	88.8	68.0	111.1	36.3	For Mack, Neway AD. 252-11 and Rockwell Suspensions Replaces: Mack 380F29407M
<b>09.1517.18</b>	Non – Repairable Poly Bush	19.8	88.8	68.0	111.1	36.3	Non – Repairable Poly Bush (as above – 09.1517.08)
<b>09.1519.08</b>	1. 09.1519.03 Shaft (1) 2. 09.1521.09 Bush-Red (2) (Heavy Duty Bush) 3. 09.1521.06 Washer (2) 4. 09.1521.05 Boss Outer (1) 5. 38.130.090 Circlip (1)	16.7	104.7	63.5	111.1	31.8	For Rockwell (Large O.D. Boss - Small Shaft) Replaces: Rockwell A-2297-L-1052, A-2297-P-3162 & A-2297 -0-17 A
<b>09.1519.18</b>	Non – Repairable Poly Bush	16.7	104.7	63.5	111.1	31.8	Non – Repairable Poly Bush (as above 09.1519.08)
<b>09.1520.08</b>	1. 09.1520.03 Shaft (1) 2. 09.1521.09 Bush-Red (2) (Heavy Duty Bush) 3. 09.1521.06 Washer (2) 4. 09.1521.05 Boss Outer (1) 5. 38.130.090 Circlip (1)	26.0	104.7	63.5	135.7	34.9	For Mack, Neway AD. 252-11 ,Rockwell (Large O.O. Boss - Large Shaft) and Western Star Replaces: Mack 380F29402M Rockwell A-2297-D-82A Rockwell A-2297-X-3664
<b>09.1520.18</b>	Non – Repairable Poly Bush	26.0	104.7	63.5	135.7	34.9	Non – Repairable Poly Bush (as above 09.1520.08)
<b>09.1521.08</b>	1. 09.1521.03 Shaft (1) 2. 09.1521.09 Bush-Red (2) (Heavy Duty Bush) 3. 09.1521.06 Washer (2) 4. 09.1521.05 Boss Outer (1) 5. 38.130.090 Circlip (1)	19.5	104.7	63.5	111.1	34.9	For Kenworth (Standard) Replaces: Kenworth K066C259 and Rockwell A-2297-R-18A
<b>09.1521.18</b>	Non – Repairable Poly Bush	19.5	104.7	63.5	111.1	34.9	Non – Repairable Poly Bush (as above 09.1521.18)
<b>09.1523.08</b>	1. 09.1520.03 Shaft (1) 2. 09.1521.09 Bush-Red (2) (Heavy Duty Bush) 3. 09.1521.06 Washer (2) 4. 09.1521.05 Boss Outer (1) 5. 38.130.090 Circlip (1)	24.0	104.7	63.5	133.0	32.0	For Kenworth (Off Road) Replaces: Rockwell A-2297 -K-1 051
<b>09.1525.08</b>	1. 09.1525.03 Shaft (1) 2. 09.1521.09 Bush-Red (2) (Heavy Duty Bush) 3. 09.1521.06 Washer (2) 4. 09.1521.05 Boss Outer (1) 5. 38.130.090 Circlip (1)	21.0	104.7	63.5	152.0	35.0	For Mack
<b>09.1526.08</b>	1. 09.1526.03 Shaft (1) 2. 09.1521.09 Bush-Red (2) (Heavy Duty Bush) 3. 09.1526.15 Washer (2) 4. 09.1526.16 Boss Outer (1)	26.0	104.7	63.5	191.0	35.0	Kenworth C540 6 Rod Suspension



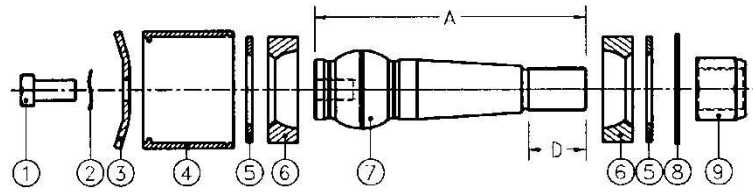
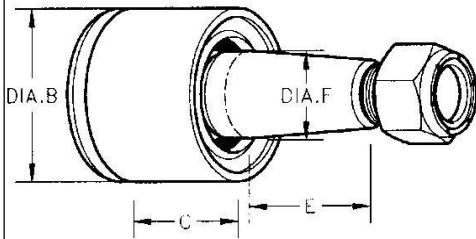
PART NO.	INCLUDES	A SHAFT HOLE DIA.	B BOSS O.D.	C BOSS WIDTH	D SHAFT HOLE TO HOLE	E SHAFT ACROSS FLATS	APPLICATION AND GENERAL INFORMATION
<b>09.1650.08</b>	1. 09.1650.03 2. 09.1651.04 3. 09.1650.06 4. 09.1650.09	16.6	60.33	62.98	111.0	25.1	<b>Replaces:</b> <b>Kenworth C13-6001 Airglide 380</b>  <b>ATRO SU00-29001 Spring Link Bushing</b>
<b>09.1651.18</b>	Non – Repairable Poly Bush	18	69.87	61	111.0	29	<b>Non – Repairable Poly Bush</b> <b>Replaces:</b> <b>Kenworth 227720:</b> Airglide 100, Glide Ride, 4 Bag Airglide, 'Big 6" for use in stabiliser bar. <b>Kenworth 836940:</b> Airglide 200/400/460/690 <b>International 1693061C1:</b> Corporate Four Springs, 8100/9200 Single Axle, Corporate Air <b>Hendrickson 44695</b> <b>Mack 1688-227720: SS34/38, ST34 Taper Leaf,</b> <b>Mack 240530 (SS44, SW557, SW5573 Camelback</b>  <b>ATRO: TS38000 Torque Rod Bushing, TS59-22400 Straddle Bushing (High Articulation), and</b>  Straddle Pin 360 Degrees Rotation, 11 Degrees lateral.
<b>09.1653.08</b>	1. 09.1653.04F 2. 09.1653.05 F 3. 09.1651.03	18	76.2	61.95	111.0	29	<b>Replaces:</b> <b>Mack</b> <b>ATRO: TS46000</b>



PART NO.	INCLUDES	A SHAFT HOLE DIA.	B BOSS O.D.	C BOSS WIDTH	D SHAFT HOLE TO HOLE	E SHAFT ACROSS FLATS	APPLICATION AND GENERAL INFORMATION
<b>09.1505.08</b>	1. 09.1505.03 Shaft (1) 2. 09.1505.09 Bush-Red (2) (Heavy Duty Bush) 3. 09.1505.06 Washer (1) 4. 38.130.080 Circlip (1)	19.1	80.0	55.0	145.0	30.2	For Mack Replaces: Mack FAMACTSM442
<b>09.1511.08</b>	1. 09.1511.03 Shaft (1) 2. 09.1511.09 Bush-Red (2) (Heavy Duty Bush) 3. 09.1511.06 Washer (1) 4. 38.130.080 Circlip (1)	21.0	80.0	55.0	152.0	24.0	For Mercedes Bus (80mm O.D. Bush) Replaces: Mercedes A-000-586-14-33



PART NO.	INCLUDES	A SHAFT HOLE DIA.	B BOSS O.D.	C BOSS WIDTH	D SHAFT HOLE TO HOLE	E SHAFT ACROSS FLATS	APPLICATION AND GENERAL INFORMATION
<b>09.1506.08</b>	1. 09.1506.03 Shaft (1) 2. 09.1506.09 Bush-Red (2) (Heavy Duty Bush) 3. 09.1506.06 Washer (2) 4. 38.130.085 Circlip (1)	21.0	85.0	55.0	152.0	24.3	For Mercedes (85mm O.D. Bush) Replaces: Mercedes A-000-350-06-13
<b>09.1509.08</b>	1. 09.1509.03 Shaft (1) 2. 09.1507.09 Bush-Red (2) (Heavy Duty Bush) 3. 09.1516.06 Washer (2) 4. 38.130.080 Circlip (1)	19.0	80.0	55.0	130.0	30.0	For MAN. Bus (80mm O.D. Bush) Replaces: MAN. 81-43230-6043
<b>09.1510.08</b>	1. 09.1510.03 Shaft (1) 2. 09.1506.09 Bush-Red (2) (Heavy Duty Bush) 3. 09.1506.06 Washer (2) 4. 38.130.085 Circlip (1)	19.0	85.0	55.0	130.0	30.0	For MAN. (85mm O.D. Bush) and 86 Model Volvo Replaces: MAN. 81-95302-0059



PART NO.	INCLUDES	A SHAFT OVER ALL LENGTH	B BOSS O.D.	C BOSS WIDTH	D SHAFT THREA D	E SHAFT TAPER LENGTH	F SHAFT TAPER DIA.	APPLICATION AND GENERAL INFORMATION
<b>09.1517.28</b>	1. 71.058.10.125 Bolt(1) 2. 70.111.10 Washer (1) 3. 09.1520.26 Washer (1) 4. 09.1517.05 Boss Outer (1) 5. 09.1517.26 Washer (2) 6. 09.1505.09 Bush-Red (2) 7. 09.1517.23 Shaft (1) 8. 38.130.085 Circlip (1) 9. 71.611.20 Nyloc Nut(1)	203.5	88.8	68.0	1-1/4" 12 TPI UNF	78.4	45.0	For Mack, Neway AD. 252-11 and Rockwell Suspensions  Replaces: Mack 38QF29408M
<b>09.1520.28</b>	1. 71.058.10.125 Bolt(1) 2. 70.111.10 Washer (1) 3. 09.1520.26 Washer (1) 4. 09.1521.05 Boss Outer (1) 5. 09.1521.06 Washer (2) 6. 09.1521.09 Bush-Red (2) 7. 09.1520.23 Shaft (1) 8. 38.130.085 Circlip (1) 9. 71.611.20 Nyloc Nut(1)	200.0	104.7	63.5	1-1/4" 12 TPI UNF	73.8	35.3	For Mack and Neway AD. 252-11 Suspensions  Replaces: Mack 38QF29403M

## TORQUE ROD BUSH

	PART NO.	DIMENSIONS (mm)		MATERIAL AND COLOUR	APPLICATION
		A OUTSIDE DIA.	B OVERALL WIDTH		
	<b>09.1533.09</b>	66.0	57.0	Heavy Duty Bush Polyurethane A90  Colour: Red	International

# TORQUE RODS

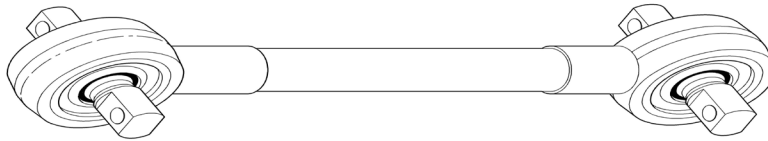
Here is why you should buy our Torque Rods ...

- Our rods are Repairable,
- Offer significant service period – ultimately giving your truck more time on the road.
- Doesn't Drift – poly bushing is all retained in the boss

If you are mechanic – the biggest benefit to you is...

- You only need to stock 2 types of bushing for all trucks which means that you don't have to carry heaps of stock with you & have a reduced cost of spare parts. Applicable to approx 80% of Torque Rods – excludes taper pins.

Our torque rods can be customised to suit Japanese, European and American Models, and also be customized for race, transport & retail.



PART NO.	INCLUDES	A SHAFT HOLE DIA.	D SHAFT HOLE TO HOLE	E SHAFT ACROSS FLATS	APPLICATION AND GENERAL INFORMATION
<b>09.4000.08</b>	<b>Includes the following parts:</b> Pin: 09.1650.03 (1) Poly Bushing:09.1650.09 (2) Screw-in Washer: 09.1650.06 (1)	17.0	111.0	25.4	<b>GP TORQUE ROD ASSEMBLY TWO PIECE                      REPLACES HENDRICKSON BUSH 47691                      TYPE</b> 600 centre to centre torque rod and smaller.
<b>09.4200.08</b>	<b>Includes the following parts:</b> Pin: 09.1651.03 (1) Poly Bushing:09.1651.09 (2) Screw-in Washer: 09.1651.06 (1)	18.0	111.0	29.0	<b>Replaces: Kenworth K195-474 Airglide                      200/400/460/690.</b> <b>ATRO / TR59-41474</b>  High Articulation bushings. Screw in type. Full Rotation of pin. Including lateral movement of 11 degrees
<b>09.4300.08</b>	<b>Includes the following parts:</b> Pin: 09.1650.03 (1) Poly Bushing:09.1650.09 (2) Screw-in Washer: 09.1650.06 (1)	17.0	111.0	25.4	<b>GP Torque Rod Assembly 600 Centers -</b> Above replaces Hendrickson Bush 47691 600 centre to centre torque rod and larger.

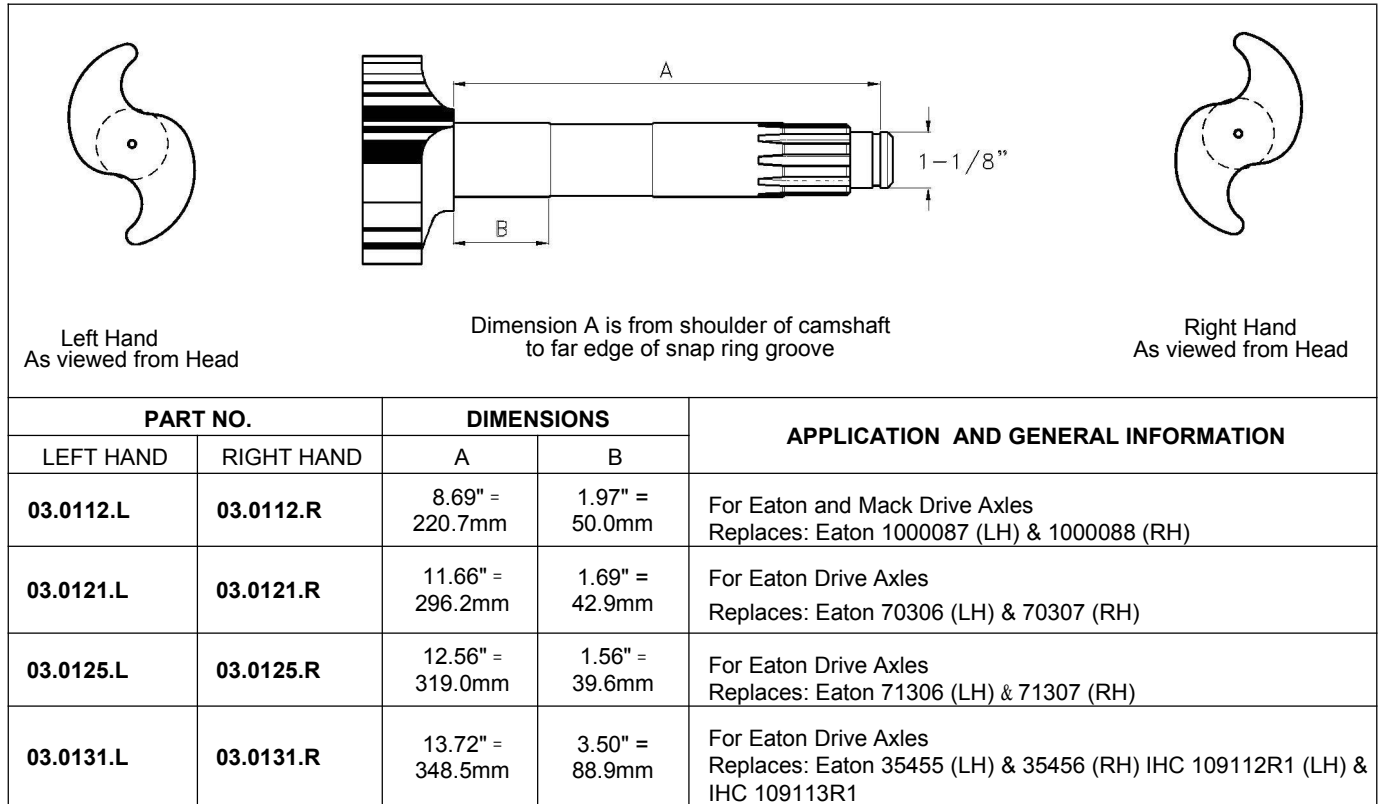
# CAMSHAFTS

Australian Tool Manufacturers Pty Ltd manufacture standard 'S' head camshafts, 10 or 28 spline, to order. Maximum Length (excluding 'S' head): 20.5" = 520.7mm

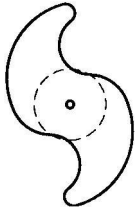
Camshafts can be manufactured from a sample or from a drawing.

All parts are manufactured to Australian standards.

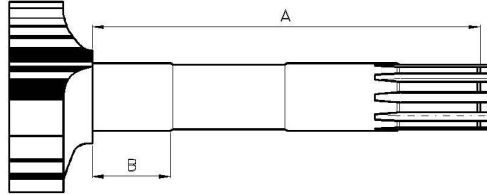
## 1-1/2" – 10 Spline, Standard "S" Head Camshafts



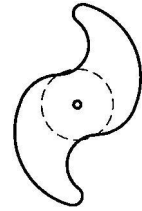
1-1/2" – 10 Spline, Standard "S" Head Camshafts



Left Hand  
As viewed from Head



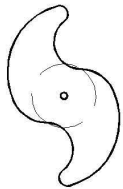
Dimension A is from shoulder of camshaft  
to far edge of snap ring groove



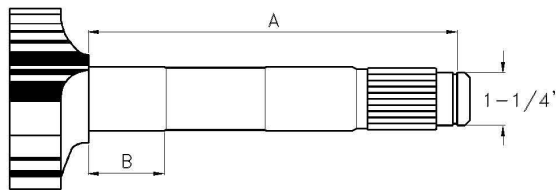
Right Hand  
As viewed from Head

PART NO.		DIMENSIONS		APPLICATION AND GENERAL INFORMATION
LEFT HAND	RIGHT HAND	A	B	
03.0181.L	03.0181.R	4.09" = 103.9mm	full bearing	
03.0202.L	03.0202.R	6.52" = 165.6mm	1.75" = 44.5mm	For Rockwell Drive Axles Replaces: Rockwell 2210-X-3066 (LH) & 2210-Y-3067 (RH) Rockwell 2210-B-5722 (LH) & 2210-A-5721 (RH)
03.0203.L	03.0203.R	7.30" = 185.4mm	full bearing	
03.0204.L	03.0204.R	8.03" = 204.0mm	1.75" = 44.5mm	For Rockwell Drive Axles Replaces: Rockwell 221 0-J-3026 (LH) & 221 0-H-3024 (RH) Rockwell 2210-X-5718 (LH) & 2210-W-5717 (RH)
03.0206.L	03.0206.R	8.19" = 208.0mm	1.75" = 44.5mm	For Rockwell Drive Axles Replaces: Rockwell 2210-F-5544 (LH), & 2210-E-5543 (RH) For 03.0206.L with C&W Kit 01.0123.00 Order 03.0206.LK For 03.0206.R with C&W Kit 01.0123.00 Order 03.0206.RK
03.0210.L	03.0210.R	8.65" = 219.7mm	1.75" = 44.5mm	For Mack Trucks using 38,000 lb. and 44,000 lb. Rockwell Axles For Rockwell Drive Axles Replaces: Rockwell 2210-Y-2443 (LH) & 2210-X-2442 (RH) Rockwell 2210-X-5640 (LH) & 2210-W-5639 (RH)
03.0213.L	03.0213.R	9.19" = 233.4mm	1.91" = 48.5mm	For Rockwell Drive Axles Replaces: Rockwell 2210-A-4265 (LH) & 2210-2-4264 (RH) 2210-H-5546 (LH) & 2210-G-5545 (RH)
03.0214.L	03.0214.R	9.37" = 238.0mm	2.25" = 57.2mm	For Rockwell Drive Axles Replaces: Rockwell 2210-P-2434 (LH) & 2210-0-2435 (RH) Rockwell 2210-B-5384 (LH) & 2210-A-5383 (RH)
03.0216.L	03.0216.R	9.85" = 250.2mm	1.87" = 47.5mm	For Denning Bus Rockwell 2210-W-3741 (LH) & 2210-X-3742 (RH)
03.0218.L	03.0218.R	10.31" = 261.9mm	1.87" = 47.5mm	For Eaton Drive Axles and Eaton Self Contained Trailer Axles For Rockwell Drive Axles Replaces: Eaton B-1735-1 (LH) & B-1735-2 (RH) Rockwell 2210-V-2440 (LH) & 2210-W-2441 (RH) Rockwell 2210-E-5699 (LH) & 2210-F-5700 (RH)
03.0222.L	03.0222.R	11.33" = 287.8mm	1.90" = 48.3mm	For Rockwell Drive Axles Replaces: Rockwell 2210-L-3028 (LH) & 2210-K-3027 (RH) Rockwell 2210-X-5354 (LH) & 2210-W-5353 (RH)
03.0226.L	03.0226.R	11.62" = 295.1mm	1.87" = 47.5mm	For Mack Drive Axles For Rockwell Drive Axles For Standard Forge Drive Axles Replaces: Rockwell 2210-P-2980 (LH) & 2210-0-2981 (RH) Rockwell 2210-D-5360 (LH) & 221 0-C-5359 (RH) Std. Forge 202199-X9-116L (LH) & 202199-X9-116R (RH)
03.0230.L	03.0230.R	12.07" = 306.6mm	1.81" = 46.0mm	For Rockwell Drive Axles For Wagner 15" Dia. Drive Axle Air Brakes Replaces: Wagner FE31945 (LH) & FE31944 (RH) Rockwell 2210-R-5348 (LH) & 2210-0-5347 (RH)
03.0234.L	03.0234.R	12.56" = 318.9mm	1.75" = 44.5mm	For Rockwell Drive Axles Replaces: Rockwell 221 0-L-2404 (LH) & 221 0-M-2405 (RH)
03.0236.L	03.0236.R	13.77" = 349.8mm	1.85" = 47.0mm	For Rockwell Drive Axles Replaces: Rockwell 2210-X-5380 (LH) & 2210-W-5379 (RH)
03.0237.L	03.0237.R	14.18" = 360.2mm	1.85" = 47.0mm	For Rockwell Drive Axles Replaces: Rockwell 2210-H-5390 (LH) & 2210-G-5389 (RH)
03.0238.L	03.0238.R	15.75" = 400.1mm	1.87" = 47.5mm	For Rockwell Drive Axles Replaces: Rockwell 2210-N-2406 (LH) & 2210-P-2408 (RH) Rockwell 221 0-V-5638 (LH) & 221 0-U-5637 (RH)

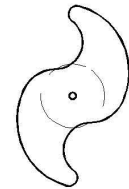
**1-1/2" – 28 Spline, Standard "S" Head Camshafts**



Left Hand  
As viewed from Head



Dimension A is from shoulder of camhead  
to far edge of snap ring groove

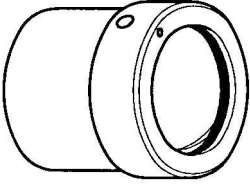
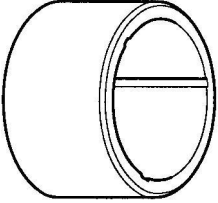
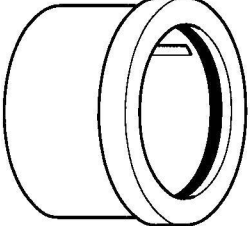
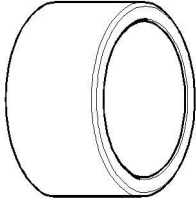
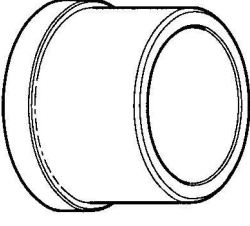


Right Hand  
As viewed from Head

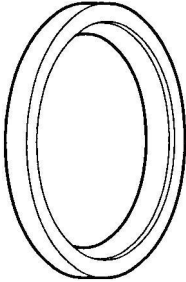
PART NO.		DIMENSIONS		APPLICATION AND GENERAL INFORMATION
LEFT HAND	RIGHT HAND	A	B	
<b>03.0510.L</b>	<b>03.0510.R</b>	8.63" = 219.2mm	1.79" = 45.5mm	For Mack Truck Axles For Rockwell Drive Axles Replaces: Rockwell 2210-F-5440 (LH) & 2210-E-5439 (RH)
<b>03.0514.L</b>	<b>03.0514.R</b>	9.16" = 232.7mm	1.79" = 45.5mm	For Mack Truck Axles For Rockwell Drive Axles Replaces: Rockwell 2210-V-5456 (LH) & 2210-U-5455 (RH)
<b>03.0516.L</b>	<b>03.0516.R</b>	9.35" = 237.5mm	1.79" = 45.5mm	For Rockwell Drive Axles Replaces: Rockwell 2210-R-5374 (LH) & 2210-0-5373 (RH)
<b>03.0522.L</b>	<b>03.0522.R</b>	11.30" = 287.0mm	1.87" = 47.5mm	For Rockwell Drive Axles Replaces: Rockwell 2210-D-6036 (LH) & 2210-C-6035 (RH)
<b>03.0526.L</b>	<b>03.0526.R</b>	11.60" = 294.6mm	1.87" = 47.5mm	For Rockwell Drive Axles Replaces: Rockwell 2210-B-5332 (LH) & 2210-A-5331 (RH)
<b>03.0528.L</b>	<b>03.0528.R</b>	11.72" = 297.7mm	1.79" = 45.5mm	For Mack Truck Axles For Rockwell Drive Axles Replaces: Rockwell 2210-H-5416 (LH) & 2210-G-5415 (RH)
<b>03.0532.L</b>	<b>03.0532.R</b>	12.05" = 306.1mm	1.79" = 45.5mm	For Rockwell Drive Axles Replaces: Rockwell 221 0-L-7552 (LH) & 221 0-K-7551 (RH)
<b>03.0536.L</b>	<b>03.0536.R</b>	13.75" = 349.3mm	1.79" = 45.5mm	For Rockwell Drive Axles Replaces: Rockwell 2210-T-5454 (LH) & 2210-8-5453 (RH)
<b>03.0537.L</b>	<b>03.0537.R</b>	14.16" = 359.7mm	1.79" = 45.5mm	For Rockwell Drive Axles Replaces: Rockwell 2210-N-5370 (LH) & 2210-M-5369 (RH)
<b>03.0539.L</b>	<b>03.0539.R</b>	15.30" = 388.6mm	1.89" = 48.0mm	For Rockwell Drive Axles Replaces: Rockwell 2210-A-7671 (LH) & 2210-Z-7670 (RH)
<b>03.0540.L</b>	<b>03.0540.R</b>	15.44" = 422.3mm	1.89" = 48.0mm	
<b>03.0545.L</b>	<b>03.0545.R</b>	16.63" = 422.3mm	1.89" = 48.0mm	

# GENERAL PURPOSE PARTS

## CAMSHAFT BUSHINGS

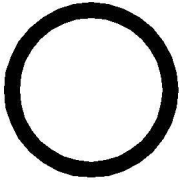
	PART NO.	O.D.	I.D.	LENGTH	APPLICATION AND GENERAL
	<b>03.2119.5</b>	1-7/8" = 47.6mm	1-1/2" = 38.1mm	1.77" = 45.0mm	For Eaton, Mack, and Rockwell Front and Drive Axles; Spline-End Bushing  Plated Steel Bush Used in Support Bracket for Mack Fitted with Tayco Brakes Includes: 1 'O' Ring 03.2455.0
	<b>03.2209.0</b>	1-7/8" = 47.6mm	1-1/2" = 38.1mm	1-3/16" = 30.2mm	For Eaton, Mack, and Rockwell Front and Drive Axles; Spline-End and Cam Head End Bushing  Nylon Bush (No Grease Hole) Use with 1 Seal that is appropriate for Application Replaces: Rockwell 1225-N-378
	<b>03.2209.2</b>	1-7/8" = 47.6mm	1-1/2" = 38.1mm	1-31/64" = 37.7mm	For Eaton, Mack, and Rockwell Front and Drive Axles; Spline-End and Cam Head End Bushing  Nylon "Flanged" Version of 03.2209.0 Includes: 1 'O' Ring 03.2455.0
	<b>03.2209.3</b>	1-7/8" = 47.6mm	1-1/2" = 38.1mm	1-3/16" = 30.2mm	For Eaton, Mack, and Rockwell Front and Drive Axles; Spline-End and Cam Head End Bushing  Plated Steel Version of 03.2209.0. Use with 1 Seal appropriate for Application.
	<b>03.2209.5</b>	1-7/8" = 47.6mm	1-1/2" = 38.1mm	39mm	For Eaton, Mack, and Rockwell Front and Drive Axles; Spline-End and Cam Head End Bushing  Plated "Flanged" Steel Version of 03.2209.0 Used in Spider for Mack Fitted with Tayco Brakes Includes: 1 'O' Ring 03.2455.0

## CAMSHAFT SEALS

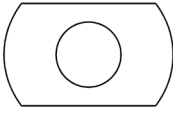
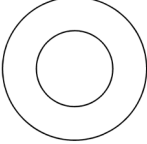
	PART NO.	REPLACES	O.D.	SUITS SHAFT	THICK	APPLICATION
	<b>03.2402.0</b>	Rockwell 1205-M-II05, Spicer M16HH100 and Std. Forge 408101	1-7/8" = 47.6mm	1-1/2" = 38.1mm	3/16" = 4.8mm	Late Model Rockwell, Std. Forge Weld-on Spiders, and Dana Cam Seal (1-1/2" Dia. Cam)
	<b>03.2403.0</b>	Eaton B-1736-1, 40864 & 77903	1-7/8" = 47.6mm	1-1/2" = 38.1mm	1/4" = 6.4mm	Eaton Cam Seal (1-1/2" Dia. Cam)

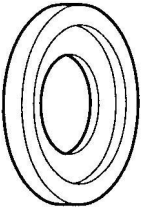
	<b>03.2404.0</b>	Rockwell 1705-M-143 and Eaton B-1662 & 820064	2-1/16" = 52.4mm	1-1/2" = 38.1mm	1/4" = 6.4mm	Rockwell, Std. Forge and Eaton Cam Seal (1-1/2" Dia. Cam)
	<b>03.2405.0</b>	Rockwell 1205-U-1451	2" = 50.8mm	1-5/8" = 41.3mm	3/16" = 4.8mm	Rockwell "4000-6000" Series Axles Cam Seal (1-5/8" Dia. Cam)

## CAMSHAFT 'O' RINGS

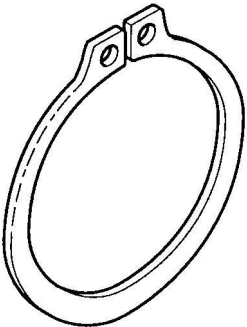
	PART NO.	REPLACES	SUITS SHAFTS	I.D.	WIDTH	APPLICATION AND GENERAL INFORMATION
	<b>03.2452.0</b>	Fruehauf AXA-0412-1	1-5/8" = 41.3mm	1.609" = 40.9mm	0.139" = 3.5mm	Suits Bushing: 03.2102.0 & 03.2103.0
	<b>03.2455.0</b>	Rockwell 1205-R-746	1-1/2" = 38.1mm	1.487" = 37.8mm	0.103" = 2.6mm	Suits Bushing: 03.2119.5, 03.2200.2, 03.2200.5, 03.2200.9, 03.2201.0, 03.2202.0, 03.2204.4, 03.2204.5, 03.2204.8, 03.2206.4, 03.2206.5, 03.2206.8, 03.2209.2, 03.2209.4, 03.2209.5, 03.2209.9, 03.2214.4, 03.2233.5, & 03.2271.4 (Inside)
	<b>03.2457.0</b>	Fruehauf AXA-0414-1	1-5/8" = 41.3mm	1.612" = 40.9mm	0.103" = 2.6mm	Suits Bushing: 03.2203.0, 03.2203.2, 03.2203.5, 03.2203.9, 03.2208.4, 03.2208.5 & 03.2208.8 (Inside)

## CAMSHAFT SPACERS AND WASHERS

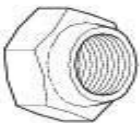
	PART NO.	REPLACES	SUITS SHAFTS	I.D.	WIDTH	APPLICATION AND GENERAL INFORMATION
PLATED STEEL 	<b>03.2501.0</b>	Eaton B-1212-1, Fruehauf 219158 and Rockwell 1229-G-1463 & 1229-E-837	3-7/8" = 98.4mm	1-1/2" = 38.1mm	1/16" = 1.6mm	General Purpose 'D' Type (1-1/2" Dia. Cam)
LISTED BY O.D. SIZE 	<b>03.2520.0</b>	-	46mm	1-1/2" = 38.1mm	3.4mm	Slack Adjuster; Plated Steel Washer For Mack and Rockwell;
	<b>03.2521.1</b>	-	48.5mm	1-1/2" = 38.1mm	5mm	For Mack; Plated Steel Washer
	<b>03.2513.0</b>	Rockwell 1229-F-25025	2" = 50.8mm	1-5/8" = 41.3mm	1/16" = 1.6mm	Rockwell "4000-6000" Series Trailer Axle Cam Head; Plated Steel Washer (1-5/8" Dia. Cam)

	<b>03.2502.0</b>	Rockwell 1229-0-771 and Fruehauf 219292	2-1/4" = 57.2mm	1-1/2" = 38.1mm	1/32" = 0.8mm	General Purpose; Plated Steel Washer (1-1/2" Dia. Cam)
	<b>03.2503.0</b>	Eaton B-1216 & 820009, Fruehauf 219293 & AXA-0432-1 and Rockwell 1229-R-122	2-1/4" = 57.2mm	1-1/2" = 38.1mm	1/16" = 1.6mm	General Purpose; Plated Steel Washer (1-1/2" Dia. Cam)
	<b>03.2504.0</b>	Std. Forge 403149 and Wagner FC31954	2-1/4" = 57.2mm	1-1/2" = 38.1mm	3/32" = 2.4mm	For Late Model Std. Forge 12-1/4" Dia. Brake and Wagner Front Axle Brake; Plated Steel Washer (H/2" Dia. Cam)
	<b>03.2507.0</b>	-	2-3/8" = 60.3mm	1-5/8" = 41.3mm	1/32" = 0.8mm	For Fruehauf "Pro-Par"; Plated Steel Washer (1-5/8" Dia. Cam)
	<b>03.2508.0</b>	Fruehauf AXA-0417-1	2-3/8" = 60.3mm	1-5/8" = 41.3mm	1/16" = 1.6mm	For Fruehauf "Pro-Par"; Plated Steel Washer (1-5/8" Dia. Cam)
PLATED STEEL 	<b>PART NO.</b>	<b>REPLACES</b>	<b>O.D.</b>	<b>SUITS SHAFTS</b>	<b>THICK</b>	<b>APPLICATION AND GENERAL INFORMATION</b>
	<b>03.2523.1</b>	-	49mm	22mm & 1-1/2" = 38.1mm	5.5mm	Mack Washer

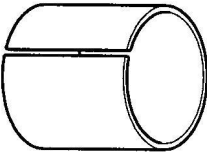
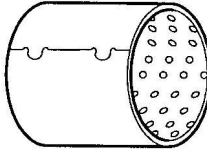

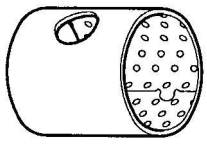
## CAMSHAFT CIRCLIPS

	<b>PART NO.</b>	<b>REPLACES</b>	<b>SUITS SHAFTS</b>	<b>WIDTH</b>	<b>APPLICATION AND GENERAL INFORMATION</b>
	<b>03.2602.0</b>	Eaton B-1716 & 820095, Fruehauf 219160, GMC 2101124 and Rockwell 1229-Z-1118	1-1/2" = 38.1mm	0.05" = 1.27mm	General Purpose
	<b>03.2604.0</b>	-	38mm	2.50mm	General Purpose
	<b>03.2605.0</b>	Fruehauf AXA-0418-1 and Rockwell 1229-A-1119	1-5/8" = 41.3mm	0.062" = 1.27mm	For Rockwell "4000-6000 Series Axle and, For Fruehauf "Pro-Par" Axle with 1-5/8" Dia. Camshaft
	<b>03.2622.0</b>	-	1-1/4" = 31.8mm	0.093" = 2.36mm	For Rockwell 28 Spline Truck Camshafts

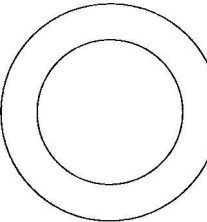
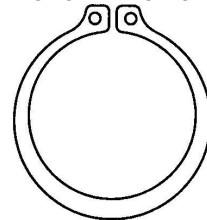
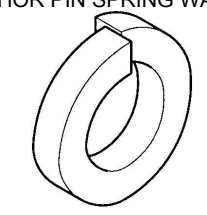
## CAMSHAFT NUT

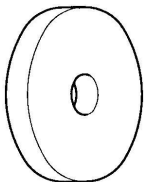
	<b>PART NO.</b>	<b>APPLICATION AND GENERAL INFORMATION</b>
	<b>03.2608.0</b>	For Mack Use with Camshafts 03.1210.L & 03.1210.R. For BPW Camshafts. Replaces BPW 03.260.14.08.0

## ANCHOR PIN SPIDER BUSHINGS

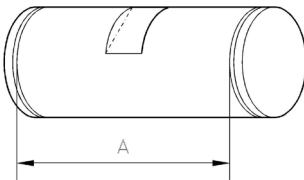
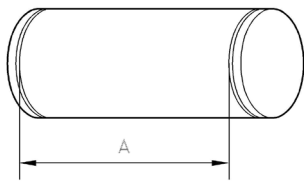
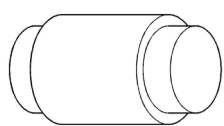
	PART NO.	REPLACES	O.D.	I.D.	L.G.	APPLICATION AND GENERAL INFORMATION
	<b>03.3052.0</b>	Rockwell 1225-B-496 and Trailmobile 15409	1-3/8" = 34.9mm	1-1/4" = 31.8mm	1-15/32" = 37.3mm	Split, Stainless Steel, General Purpose Bushing Use with 03.3203.0 Anchor Pin
	<b>03.3053.0</b>	Eaton B-2022	1-3/8" = 34.9mm	1-1/4" = 31.8mm	1-7/16" = 36.5mm	Tab Jointed, Steel-Backed Bronze General Purpose Bushing
	<b>03.3058.0</b>	Rockwell 1225-G-449	1-3/8" = 34.9mm	1-1/4" = 31.8mm	1-15/32" = 37.3mm	
	<b>03.3059.0</b>	-	1-3/8" = 34.9mm	1-1/4" = 31.8mm	1-7/16" = 36.5mm	Tab Jointed, Steel-Backed Bronze, Bushing with Slot on Centre for Rockwell Truck Brakes

## ANCHOR PIN – LOCKS, LOCK RINGS AND RETAINERS

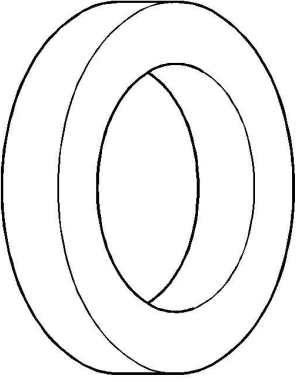
	PART NO.	REPLACES	O.D.	I.D.	L.G.	APPLICATION AND GENERAL INFORMATION
ANCHOR PIN WASHER 	<b>03.3103.0</b>	Rockwell 1229-B-1848	1-7/8" = 47.6mm	1-1/4" = 31.8mm	1-1/16" = 27.0mm	Plated Steel General Purpose Washer Use with 03.3203.0 Anchor Pin
	<b>03.3164.0</b>	Spicer M10HM136 and Std. Forge 403147	1-1/2" = 38.1mm	1" = 25.4mm	1/32" = 0.8mm	Plated Steel Washer for Std. Forge 12-1/4" Dia. Brakes Use with 03.3246.0 Anchor Pin
ANCHOR PIN CIRCLIP 	<b>03.3121.0</b>	Eaton B-1214 & 820007, Rockwell 1229-X-1116, Spicer 31624 and Std. Forge 214108	<b>SUITS SHAFT</b> 1-1/4" = 31.8mm	<b>WIDTH</b> 0.050" = 1.27mm		Can be used on all 1-1/4" Anchor Pins with Circlip Grooves Same as Part No. 03.2601.0
	<b>03.3163.0</b>	Freighter 152-06206 Spicer M1 OHR1 04 and Std. Forge 214107	1" = 25.4mm	0.042" = 10.7mm		For Std. Forge 12-1/4" Dia. Brakes (Suits 1" Anchor Pin)
ANCHOR PIN SPRING WASHER 	<b>70.103.12</b>	-	<b>O.D.</b> 1-15/64" = 31.4mm	<b>I.D.</b> 3/4" = 19.1mm	<b>THICK</b> 3/16" = 4.8mm	Use with 03.3240.0, 03.3241.0, 03.3242.0 and 03.3243.0 Anchor Pins

	PART NO.	REPLACES	O.D.	I.D.	L.G.	APPLICATION AND GENERAL INFORMATION
ANCHOR PIN END WASHER 	<b>03.3175.0</b>	-	<b>O.D</b>	<b>I.D</b>	<b>THICK</b>	Plated Steel General Purpose End Washer Use 2 per Bolt-On Anchor Pin

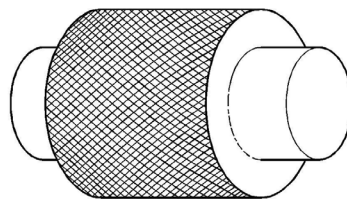
## BRAKE SHOE ANCHOR PINS

	PART NO.	REPLACES AND INCLUDES	DIMENSIONS OF BOSSES			APPLICATION AND GENERAL INFORMATION
			O.D.	A	DIM. O.A.L.	
	<b>03.3232.0</b>	Fruehauf 330673, GMC 2295423, Kershaw 11093, Mack 3015M86, IHC 126403R1 Rockwell 1259-0-251 & 1259-T-280 and Std. Forge 203102-001	1-1/4" = 31.8mm	2.307" = 58.6mm	2.659" = 67.5mm	For Fruehauf and Rockwell Truck Fabricated Shoes Use with 03.3121.0 Circlip and 03.3103.0 Washer
	<b>03.3352.0</b>	Bushed Brake Shoe Version of 03.3232.0 Use 03.3301.0 Bosses with Std. Brake Shoes and 03.3301.1 Bosses with HD Brake Shoes Eaton 820012, Fruehauf 219162, IHC 56104R1, Rockwell 1259-R-252 and Spicer M10WJ159	1-1/4" = 31.8mm	3.091" = 78.5mm	3.443" = 87.4mm	For Fruehauf and Rockwell Truck Fabricated Heavy Duty Bushed Shoes Use with 03.3121.0 Circlip and 03.3103.0 Washer
	<b>03.3332.0</b>	Longer Version of 03.3232.0 for use with 03.3302.1 Weld On Repair Bosses	1-1/4" = 31.8mm	2.945" = 74.8mm	3.297" = 83.7mm	For Fruehauf and Rockwell Truck Fabricated Shoes Use with 03.3121.0 Circlip and 03.3103.0 Washer
	<b>03.3237.0</b>	Rockwell 1259-N-274 and Spicer M16WJ105	O.D.	LENGTH OF LARGE O.D	OVER-ALL LENGTH	For Rockwell "Q" Brake and Spicer "Fast Change" Brake
			Large O.D. 1-1/4" = 31.8mm Small O.D. 1" = 25.4mm	1.417" = 36.0mm	2.205" = 56.0mm	

# BRAKE SHOE REPAIR BOSSES

	PART NO.	O.D	I.D	THICK	APPLICATION AND GENERAL INFORMATION
	<b>03.3300.0</b>	1-3/4" = 44.5mm	1" = 25.4mm	21/64" = 8.3mm	For Std. Forge Fabricated Steel 12-1/4" Dia. Brake Shoes Weld Inside for use with 03.3241.0 Anchor Pin on Early Model Conversions Weld Outside for use with 03.3348.0 Anchor Pins on Late Model Brakes
	<b>03.3302.1</b>	1-7/8" = 47.6mm	1-1/4" = 31.8mm	0.319" = 8.1mm	Use with 74.8 mm Long Anchor Pins
	<b>03.3303.0</b>	1.969" = 50.0mm	1-1/4" = 31.8mm	0.638" = 16.2 mm	Use with Longer Anchor Pins (90mm to 108mm)

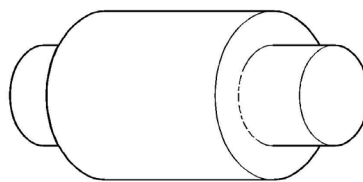
# BRAKE SHOE ROLLERS



**DIAMOND KNURLED**

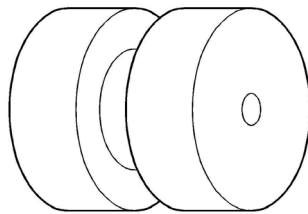
PART NO.	REPLACES	OVERALL LENGTH	LENGTH OF LARGE O.D.	SMALL O.D.	LARGE O.D.	APPLICATION AND GENERAL INFORMATION
<b>03.3400.0</b>	Knurled Version of 03.3403.0	2-7/32" = 56.4mm	1-9/32" = 32.5mm	3/4" = 19.1mm	1-1/4" = 31.8mm	For 16-1/2" Dia. Brakes with Fabricated Brake Shoes
<b>03.3400.1</b>	Knurled Version of 03.3403.1				1-3/8" = 34.9mm	1/8" (3.2mm) Oversize Version of 03.3400.0
<b>03.3400.2</b>	Knurled Version of 03.3403.2				1-1/2" = 38.1mm	1/4" (6.4mm) Oversize Version of 03.3400.0

# BRAKE SHOE ROLLERS



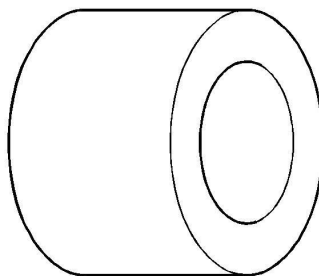
PART NO.	REPLACES	OVERALL LENGTH	LENGTH OF LARGE O.D.	SMALL O.D.	LARGE O.D.	APPLICATION AND GENERAL INFORMATION
<b>03.3403.0</b>	Fruehauf 330733, GMC 2295551, Rockwell 1779-R-18, Spicer M16WJ104, Std. Forge 204101-001 and Trailmobile 7-23-7	2-7/32" = 56.4mm	1-9/32" = 32.5mm	3/4" = 19.1mm	1-1/4" = 31.8mm	Std. for 16-1/2" Dia. Brakes with Fabricated Shoes
<b>03.3403.1</b>	Rockwell 1779-C-81				1-3/8" = 34.9mm	1/8" (3.2mm) Oversize Version of 03.3403.0
<b>03.3403.2</b>	GMC 2356111, Rockwell 1779-D-82 and Spicer M16WJ114				1-1/2" = 38.1mm	1/4" (6.4mm) Oversize Version of 03.3403.0

<b>03.3410.0</b>	Rockwell 11 99-A-371 9	2-17/64" = 57.5mm	1-7/16" = 36.5mm	3/4" = 19.1mm	1-5/8" = 41.3mm	Std. for Rockwell with HD Brake Shoes
<b>03.3410.1</b>	-				1-3/4" = 44.5mm	1/8" (3.2mm) Oversize Version of 03.3410.0
<b>03.3414.0</b>	Rockwell 1199-U-3765	2-3/16" = 55.6mm	15/16" = 23.8mm	3/4" = 19.1mm	1-5/8" = 41.3mm	Std. for Rockwell 18" x 7" Cast Brake Shoes
<b>03.3451.0</b>	PBR MB1228	2" = 50.8mm	15/16" = 23.8mm	3/4" = 19.1mm	1-1/4" = 31.8mm	Std. for PBR 12-1/4" Dia. Brakes
<b>03.3451.1</b>	-				1-3/8" = 34.9mm	1/8" (3.2mm) Oversize Version of 03.3451.0
<b>03.3451.2</b>	-				1-1/2" = 38.1mm	1/4" (6.4mm) Oversize Version of 03.3451.0
<b>03.3521.0</b>	Fruehauf ACD-2232-1	2-7/32" = 56.4mm	1-1/4" = 31.8mm	3/4" = 19.1mm	1" = 25.4mm	Std. for Fruehauf "Pro-Par" Axle with 12-1/4" Dia. Brakes
<b>03.3521.1</b>	-	2-7/32" = 56.4mm	1-1/4" = 31.8mm	3/4" = 19.1mm	1-1/8" = 28.6mm	Franklin Low Boy Brakes 1/8" (3.2mm) Oversize Version of 03.3521.0



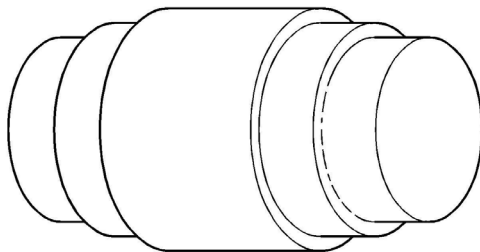
PART NO.	REPLACES	OVERALL LENGTH	WIDTH OF SMALL O.D.	SMALL O.D.	LARGE O.D.	APPLICATION AND GENERAL INFORMATION
<b>03.3425.0</b>	Eaton 1 005204 and Rockwell 1199-G-3725	1-3/8" = 34.9mm	3/8" = 9.5mm	3/4" = 19.1mm	1-1/4" = 31.8mm	Std. for Rockwell 15" x 3-1/2" & 15" x 4" "T" Series Brakes and Eaton 15" x 4" Single Anchor Pin Brakes
<b>03.3425.1</b>	-				1-3/8" = 34.9mm	1/8" (3.2mm) Oversize Version of 03.3425.0

### BRAKE SHOE ROLLERS



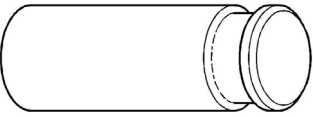

PART NO.	REPLACES	OVERALL LENGTH	NOMINAL I.D.	O.D.	USE WITH PIN NO.	APPLICATION AND GENERAL INFORMATION
<b>03.3418.0</b>	Eaton B-1220, Kershaw 11509, Rockwell 1199-A-625, Spicer M10HD100 and Std. Forge 204100-001	15/16" = 23.8mm	3/4" = 19.1mm	1-1/4" = 31.8mm	03.3419.0, 03.3419.1, 03.3420.0 or 03.3421.0	Std. for "Trade" Cast Shoes

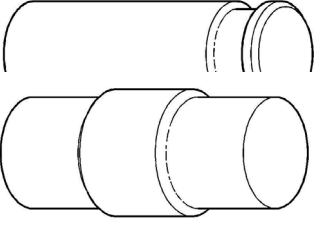
<b>03.3418.1</b>	-				1-3/8" = 34.9mm		1/8" (3.2mm) Oversize Version of 03.3418.0
<b>03.3472.0</b>	Eaton 39074, Ford B5QH2395A, Freighter 154-00927, GMC 2034977 and IHC 142917R1	25/32" = 19.8mm	59/64" = 23.4mm		1-5/8" = 41.3mm	03.3473.0 or 03.3474.0	Std. for Eaton Trailer Axles and Eaton Truck Axles
<b>03.3472.1</b>	-				1-3/4" = 44.5mm		1/8" (3.2mm) Oversize Version of 03.3472.0
<b>03.3523.0</b>	Freighter 154-30109, Spicer M10HD101 and Std. Forge 204108-001	1-3/8" = 34.9mm	3/4" = 19.1mm		1-1/2" = 38.1mm	03.3524.0	Std. for Std. Forge 12-1/4" and 18" Dia. Fabricated Brake Shoes
<b>03.3523.1</b>	-				1-5/8" = 41.3mm		1/8" (3.2mm) Oversize Version of 03.3523.0



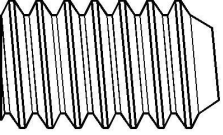
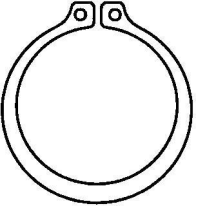
PART NO.	REPLACES	OVERALL LENGTH	LENGTH OF LARGE O.D.	SMALL O.D.	MEDIUM O.D.	LARGE O.D.	APPLICATION AND GENERAL INFORMATION
<b>03.3512.1</b>	-	78mm	32.5mm	26mm	37mm	45mm	3mm Oversize Version of 03.3512.0

## BRAKE SHOE ROLLER PINS

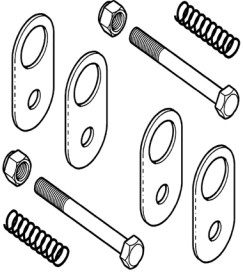
	PART NO.	REPLACES	OVERALL LENGTH	O.D.	APPLICATION AND GENERAL INFORMATION
	<b>03.3419.0</b>	-	2-1/4" = 57.2mm	3/4" = 19.1mm	Full Circle Groove Version of 03.3419.1 for Faster Alignment and Installation
	<b>03.3524.0</b>	Freighter 154-30110 Spicer M10WJ116, and Std. Forge 205107-001	2.428" =61.7mm	Large O.D. 1" (25.4mm) Small O.D. 3/4" (19.1 mm)	For Std. Forge 12-1/4" Oia. Fabricated Shoes Use with 03.3523.0 Roller and 03.3605.0 Circlip
	<b>03.3473.0</b>	Eaton 39075, Ford B5QH2045A, Freighter 154-00928, GMC 2326941 and IHC 142918R1	2-5/32" = 54.8mm  (Length of Large O.D. 25/32" = 19.8mm)	Large O.D. 59/64" (23.4mm)  Small O.D. 13/16" (20.6mm)	For Eaton Trailer Axles Use with 03.3472.0 Roller

	PART NO.	REPLACES	OVERALL LENGTH	O.D.	APPLICATION AND GENERAL INFORMATION
	<b>03.3474.0</b>	-	1-21/32" = 42.1mm  (Length of Large O.D. 25/32" = 19.8mm)	Large O.D. 59/64" (23.4mm)  Small O.D. 13/16" (20.6mm)	For Eaton Truck Axles Use with 03.3472.0 Roller

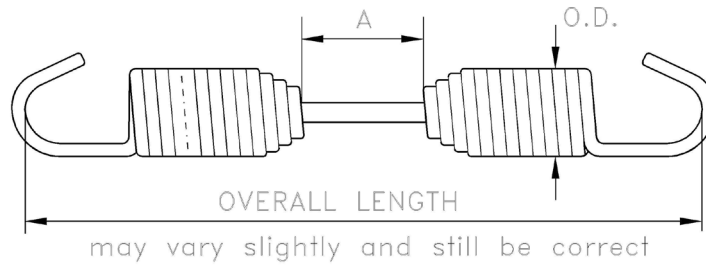
## ROLLER AND ROLLER PIN – LOCKS, LOCK RINGS AND RETAINERS

ROLLER PIN SET SCREW  	PART NO.	REPLACES	DIMENSIONS		APPLICATION AND GENERAL INFORMATION
	<b>03.3604.0</b>	Eaton B-1217, Fruehauf 102570, Rockwell S-843, Spicer 500539-5 and Std. Forge 400101	1/4"-20 x 3/8" (9.5mm) Long		"Trade" Cast Shoe
ROLLER PIN CIRCLIP  	PART NO.	REPLACES	SUITS SHAFT	WIDTH	APPLICATION AND GENERAL INFORMATION
			<b>03.3605.0</b>	Eaton B-1661, Freighter 154-00888, Fruehauf 253395, Rockwell 1229-M-1105 and Std. Forge 214102	

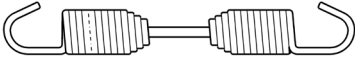
## BRAKE SHOE ROLLER RETAINER KITS

	PART NO.	REPLACES AND INCLUDES	APPLICATION AND GENERAL INFORMATION
	<b>03.3651.0</b>	4 Retainer Plates (Not Sold Separate Small 1.0. 9.3mm and Large 1.0. 20.5mm Centre to Centre 28mm) 2 71.035.05.275 Plated Bolts 5/16" UNF x 2-3/4" Long 2 71.635.05 Plated Cone lock Nuts 2 Stainless Steel Springs (Not Sold Separate)	General Purpose Tayco Bolt On Roller Retainer  Use with 3/4" O.O. Std. Rollers


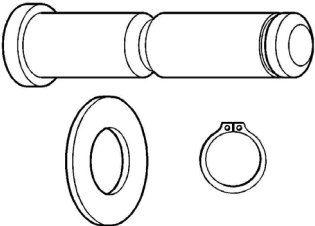
# BRAKE SHOE RETURN SPRINGS



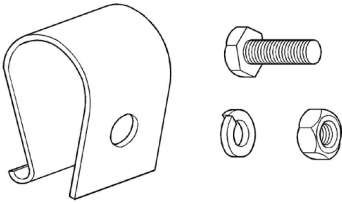
	PART NO.	REPLACES	OVERALL LENGTH	O.D.	DIM.A	APPLICATION AND GENERAL INFORMATION
	<b>03.3701.0</b>	Freighter 154-00803, Fruehauf 219310, IHC 62322R1, Rockwell 2258-P-354, Spicer M10WJ135 and Std. Forge 208102	8" = 203.2mm	1-1/8" – 28.6mm	34mm	Use 03.3701.1 for Heavy Duty Application Spring Wire: 4.1 mm Colour: Green
	<b>03.3701.1</b>	Kenworth MB7016 and Rockwell 2258-Z-416	8" = 203.2mm	1-1/4" = 31.8mm	60mm	Heavy Duty Version of 03.3701.0 Spring Wire: 4.9mm Colour: Blue
	<b>03.3705.0</b>	Fruehauf ACF-3079-PK1, Rockwell 2258-Q-615 and Spicer M16WJ101	5-1/2" = 139.7mm	3/4" = 19.1mm	2-3/8" = 60.3mm	Retainer Spring for Fruehauf XEM, Spicer and Rockwell 12-114" and 16-1/2" "Q" Series Brakes Spring Wire: 3.2mm Colour: Orange
	<b>03.3711.0</b>	-	6-9/16" = 166.7mm	1" = 25.4mm	32mm	Heavy Duty Version of 03.3711.0 Spring Wire: 4.1 mm Colour: Blue
	<b>03.3711.1</b>		6-9/16" = 166.7mm	1" = 25.4mm	32mm	Use with Fabricated Shoes for Fruehauf, Kershaw, Rockwell, Spicer(Dana) and Std. Forge
	<b>03.3715.0</b>	Rockwell 2258-G-579	7-3/16" = 182.6mm	7/8" = 22.2mm	24mm	For Rockwell "T" Series 15" Dia. Front Brakes Spring Wire: 3.2mm Colour: Green
	<b>03.3776.0</b>	Rockwell 2258-E-629, 2258-S-1033, 2258-C-55 & 2258-K-583	7-13/16" = 198.4mm	7/8" = 22.2mm	4-3/16" = 106.4mm	For Rockwell Drive Axle and 15" Dia. Trailer Axle Wedge Brakes Spring Wire: 3.4mm Colour: Black

BRAKE SHOE RETURN SPRINGS						
	PART NO.	REPLACES	OVERALL LENGTH	O.D.	DIM.A	APPLICATION AND GENERAL INFORMATION
	<b>03.3901.0</b>	Eaton 70325, Ford C6TZ2125B, Kershaw 11528, Spicer M10WJ155 and Std. Forge 208105	4-3/16" = 106.4mm	3/4" = 19.1mm	22mm	For Dana and Std. Forge 12-1/4" Dia. Cast Shoe Brakes Spring Wire: 2.7mm
	<b>03.3901.1</b>	-	4-3/16" = 106.4mm	3/4" = 19.1mm	18mm	Heavy Duty Version of 03.3901.0 Spring Wire: 3.2mm
	<b>03.3905.0</b>	Eaton B-1866 & 820276 & Freighter 154-00860	5" = 127.0mm	1" = 25.4mm	11mm	Return Spring for Eaton 12-1/4" Dia. Brakes Use at Anchor Pin End Spring Wire: 4.8mm Colour: Black

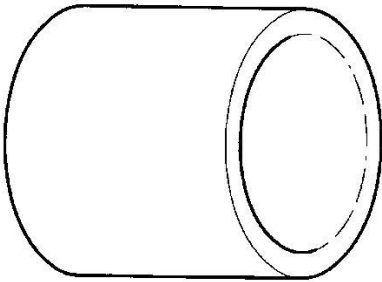
## RETURN SPRING - RETAINER PARTS AND KITS

	PART NO.	REPLACES	O.A.L.	O.D.	APPLICATION AND GENERAL INFORMATION
	<b>03.3702.0</b>	Fruehauf 583015, Rockwell 1218-G-85, Spicer M16WJ102 and Std. Forge 207102	2-3/4" = 69.9mm	1/4" = 6.4mm	Use with Fabricated Shoes for Fruehauf, Kershaw, Rockwell, Spicer(Dana) and Std. Forge
<b>RETAINER KIT</b> 	<b>03.3702.1</b>	<b>REPLACES AND INCLUDES</b>			Heavy Duty Version of 03.3702.0  For Pin Only Order <b>03.3702.2</b>
		1 03.3702.2 Retainer Pin 11.7mm O.O. x 65mm Long 1 70.013.08 Plated Flat Washer 1" O.O. x 33/64" I.D. x 1/16" Thick 1 38.140.012 Circlip			

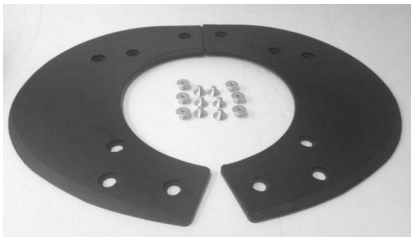
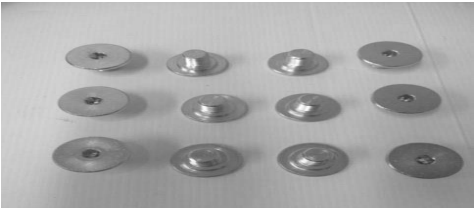
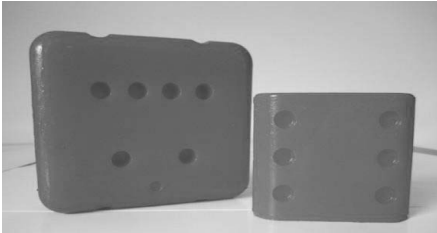
## BRAKE SHOE – GUIDE CLIP PARTS AND KITS

<b>GUIDE CLIP KIT</b> 	PART NO.	REPLACES AND INCLUDES	APPLICATION AND GENERAL INFORMATION
	<b>03.4391.0</b>	1 03.4392.0 1-112 Guide Clip 1 72.025.05.075 Bolt and Nut 5/16" UNF x 3/4" Bolt 1 70.103.05 Spring Washer	For Mack, Rockwell 15" Spider Mounted Wedge Brakes

## TRUNNION BUSHES AND PADS

	PART NO.	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
<p style="text-align: center;">POLYURETHANE</p> 	<b>09.7970.9</b>	3-1/2" = 88.9mm I.D. 4-1/2" = 114.3mm O.D. 4-1/4" = 108.0mm Length	For Rockwell 6 Rod suspensions
	<b>09.7972.9</b>	102.0mm I.D. 127.0mm O.D. 125.0mm Length	For Kenworth Big 6 Truck Spring suspensions

## JOST FIFTH WHEEL PARTS (Turntable)

	PART NO.	APPLICATION AND GENERAL INFORMATION
	<b>20.7111.08</b>	Jost Lube Pad Repair Kit includes : 2 x Top plate insert 10mm L & R - 12 BOLTS  Half Moon Shape with 6 bolt holes
	<b>20.7111.20</b>	Screw Pack for 20.7111.08
	<b>21.2101.08</b>	2 Upper & 2 Lower Poly Cushion for Jost Turntable

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**All parts are manufactured to Australian standards.  
For all enquiries phone (07) 3277 5111 or fax (07) 3875 1945.**

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Australian Transport Manufacturers (ATM) Part Numbers	Watts Part Numbers	Maxiparts Part Numbers
01.0101.00	WT3109	FB3109
01.0110.00	WT3108	FB3108
01.0120.00	WT3110	FB3110
01.0122.00	WT3111	FB3111
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03.0121.R	WT2022	-
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03.0214.R	WT2080	-
03.0222.L	WT2013	FB2029
03.0222.R	WT2014	FB2028
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03.0226.R	WT2032	-
03.0260.L	WT2003	-
03.0260.R	WT2004	-
03.0274.L	WT2081	-
03.0274.R	WT2082	-
03.0318.L	WT2025	FB2022
03.0318.R	WT2026	FB2023
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09.201.49	-	SP1351
09.212.38	-	SP1418

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09.212.47	-	SP1417
09.212.49	-	SP1370
09.212.54	-	SP1430
09.212.56	-	SP1421
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09.283.47	203-00010	-
09.283.49	203-02530	-
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09.283.60	203-02545	-
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09.3206.R	203-02523	UXA0012-1
07.7821.9	WT1114	-
20.7101.0	WT9609	TT6415
20.7102.0	DBGT7102	-
20.7105.0	WT9601	-
20.7106.0	WT9602	-
21.1004.9	XB-16045	-
21.1104.9	XB-16049AUS	-
21.1204.9	XB-16049USA	-
22.1581.2		TCTCK83022

***If you detect any errors in this catalogue, we would appreciate it if you let us know, as we want this information to be as accurate as possible.***



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