



***Australian Truck
& Trailer Parts***



Truck Parts Catalogue



HC-ATM Group Pty Ltd
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About Us

We manufacture heavy duty and high-quality Truck Parts, Trailer Parts and Tooling designed for long life and reliability.

Our parts have been field tested in tough Australian, Papua New Guinea, Indonesia and U.S.A conditions including mine sites, off-road and logging sites to make sure they perform.

Our design and innovation in manufacturing produces the reliability and cost effectiveness required in today's market.

Our Philosophy

If it works well in the tough Australian conditions then it will work anywhere!

We Supply To ...

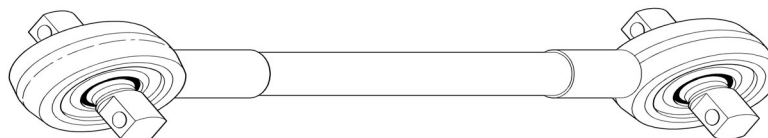
Absolute Spares	Haulmark Trailers	Shepherd Transport Equipment
Advance Trailers Sales & Service	Hi Torque Truck Spares	Southern Cross Transport Equipment Group
Albury Truck & Trailer Parts	Holmwood Highgate Pty Lt	Suncoast Truck Spares
Australian Truck & Auto Parts	Howard Porter	SX Trailers
Auto Tools	H.V. Equipment & Parts Pty Ltd	Swan Hill Truck Service
AV Trucks	Independent Parts	Toowoomba Truck Spares
Brown & Hurley	Jackson's Parts & Industrial	Total Fleet Maintenance
Big Rig Spares	Kenway & Clark QLD	Truck & Auto Parts Inverall & Moree
Black Truck Sales	Kenworth	Trailer Sales
Bruce Rock Engineering	Mackay Truck Parts	Truckline
BPW Transpec Pty Ltd	Marulan Truck & Bus Pty Ltd	Tranzmile Pty Ltd
BW Truck Parts	Maxiparts Pty Ltd	Transparts Qld Pty Ltd
Canberra Truck Repairs	Meritor H.V.S Aust Ltd	Transport Parts WA
Diesel Drive Pty Ltd	Mounts Machinery	Transpro Pty Ltd
Elphinstone Trailers	Multispares Ltd	Volvo Commercial Vehicles
Fleet Gear Pty Ltd	North Star Motors Pty Ltd	Westco Truck Sales
Fleet Parts Australia	Northern Truck Alignment	Wideland Trucks & Equipment Pty Ltd
Flex Industries	O'Keefe Industries Pty Ltd	Wright's Truck & Trailer Spares
Giacci Brothers Pty Ltd	Outback Spares	York Transport Equipment
Gibbs Parts	Paccar	
Gibbs Truck & Trailer Parts	Penske Power Systems Pty Ltd	
Gleeman Truck Parts	Powertrans	
Graham Thomson Motors	QUBE Bulk	
	Regional Transport Spares Pty Ltd	
	Rocklea Truck Spares Pty Ltd	

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Catalogue as at May 2019



AFTERMARKET PARTS TO SUIT MACK

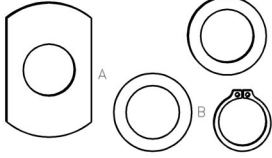
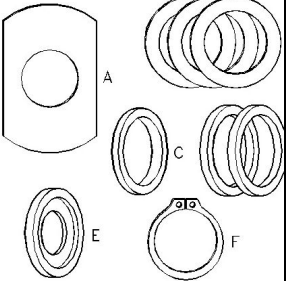
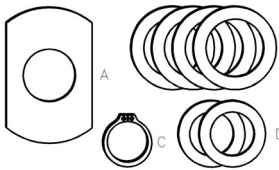
Mack Cab, Motor & Hood Parts

	PART NO.	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
	98.140QM257M	OD = 75MM SQ THICKNESS = 23.50MM HOLE CENTRES = 32MM HOLE SIZE = 9MM	Isolator Support Hood Block
	98.25121334	OD = 63.75MM LENGTH = 53.49MM ID = 15.88MM	Mack Radiator Mount Replaces 20QL295M & ATRO MM62-62334
	98.204SX216	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 7" Bolts 4 X 3/4 Nyloc Nuts
	98.20802362.71	Mack Hood Bracket Sold as a pair. Replaces Mack 20802362RH & 20802371LH	
	98.20975430	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
	98.20975432	OD = 82.5MM BOLT ID = 19.6mm OVERALL LENGTH = 78.1MM	Mack Support Cab Mount - suits A 3/4 BOLT Replaces Mack : 20975430
	98.20874917P060916	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
	98.21609754.09	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
	98.21609754P010316	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

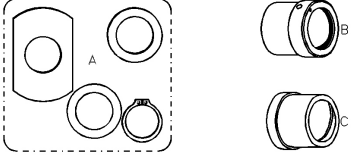
Mack Cab, Motor & Hood Parts

	PART NO.	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
	98.X50QL216	OVERALL LENGTH = 220MM PIN OD = 20MM	Pin comp bull bar
	98.X50QL248A	OVERALL LENGTH = 211MM PIN OD = 32MM	Tow coupling pin 8.5"
	98.X50QL248AP3	OVERALL LENGTH = 203MM PIN OD = 32MM	Pin comp tow coupling
	98.X50RU2181M	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

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
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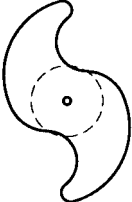
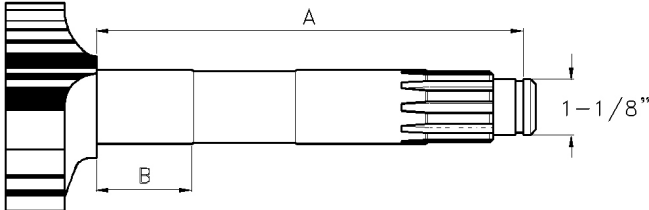
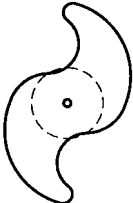
Mack S-Camshaft

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

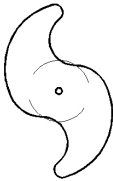
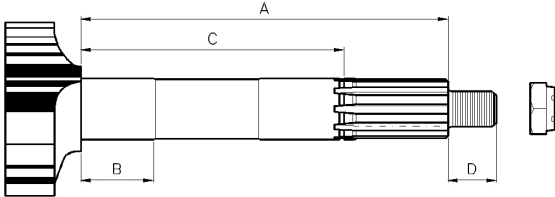
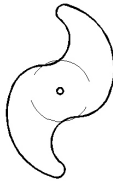
Camshafts can be manufactured from a sample or from a drawing.

All parts are manufactured to Australian standards.

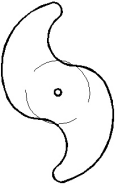
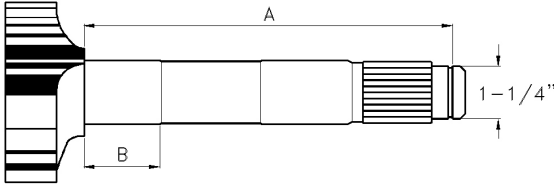
1-1/2" – 10 Spline, Standard "S" Head Camshafts

				
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-O-2981 (RH) Rockwell 2210-D-5360 (LH) & 2210-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

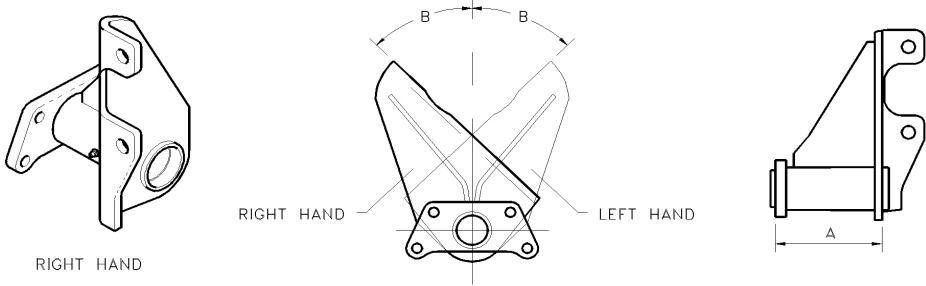
1-1/2" – 28 Spline, Standard "S" Head Camshaft

				
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	
03.0510.L	03.0510.R	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)
03.0514.L	03.0514.R	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)
03.0528.L	03.0528.R	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
	98.1210.L 98.1210.R		Heavy Duty Camshaft Kit Left Hand Camshaft Kit Right Hand Includes: 1 x 03.1210 L or R 1 x 01.0131.00
	98.0510.L 98.0510.R	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
	98.0514.L 98.0514.R	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
	98.0528.L 98.0528.R	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 LENGTH OF BRACKET	B CHAMBER MOUNTING ANGLE	SLACK ADJUSTER LENGTH	REMARKS
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

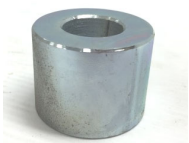
Mack Camshaft Spacers and Washers

	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

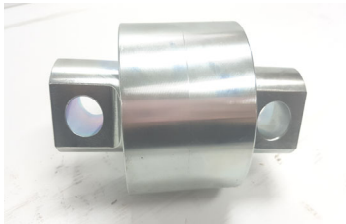
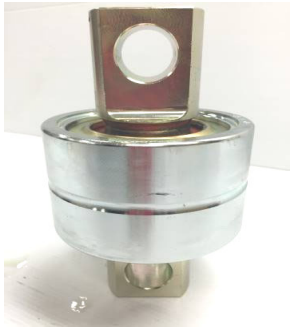
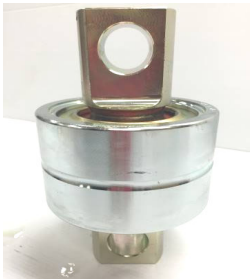
	PART NO.	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
	98.21156844	MAIN THICKNESS=22MM BODY THICKNESS=19MM	Spacer Disc Fan Clutch
	98.33MX49409M	HANDLE THICKNESS =12MM HOLE CENTRE LINE TO CENTRE LINE = 72MM HOLE SIZE = 15.87MM	Lever Clutch Assembly
	98.52MX39403M	O/ALL LENGTH =1.0MM C/C 76.00MM ARM 67.0MM	Clutch Control Lever
	98.38MH39401M	OD = 120MM HOLE PCD = 96 X 8.8MM TAPPED HOLE PCD = 88.90 X 3/8 UNF WIDTH = 71.00MM	Hub Fix

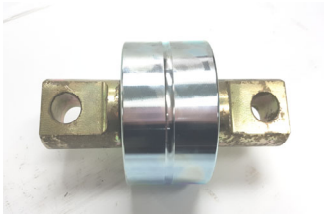
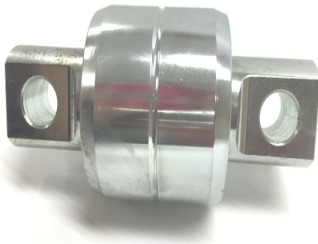
Mack Spacers

PART NO. DIMENSIONS APPLICATION & GENERAL INFORMATION		PART NO. DIMENSIONS APPLICATION & GENERAL INFORMATION	
	98.73RU29402M 12.7MM OD 5.0MM ID 14.55 LENGTH Spacer park brake (aluminium)		98.73RU39402M34 40.0MM OD 20.0MM ID 30.0MM WIDTH Spacer plain round
	98.73RU39402M46 58.0MM OD 13.0MM ID 6.0MM WIDTH Spacer plain round		

Mack Suspension Bushes

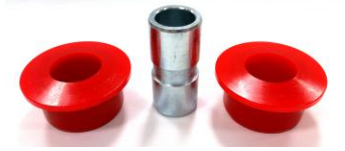
	PART NO.	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
	09.1501.08	SHAFT HOLE DIA= 23.0MM BOSS O.D= 76.2MM BOSS WIDTH= 63.5MM SHAFT HOLE TO HOLE=111.1MM SHAFT ACROSS FLATS= 28.6MM	For Mack Lightweight, 38,000 lb., & Heavyweight Suspensions
	09.1501.18	SHAFT OVER ALL LENGTH= 176.6MM BOSS O.D= 76.2MM 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
	09.1504.18	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
	09.1505.08 (Poly- 09.1505.09 Washer- 09.1505.06)	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
	09.1517.08 Mack Part No: 98.38QF29407 M	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
	09.1517.18HD	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
	09.1517.28 Mack Part No: 98.38QF29408 M	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
	09.1520.08 Mack Part No: 98.38QF29402 M	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 O.O. Boss - Large Shaft) and Western Star Replaces: Mack 380F29402M Rockwell A-2297-D-82A Rockwell A-2297-X-3664
	09.1520.18	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
	09.1520.28 Mack Part No: 98.38QF29403 M	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 Neway AD. 252-11 Suspensions Replaces: Mack 38QF29403M
	09.1525.08	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
	09.1653.08	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
	09.1658.28	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
	98.1688.22772 0	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

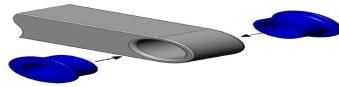
Mack Suspension Bushes			
	PART NO.	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
	98.25164942	21.75 INCHES	Centre to Centre Torque Rod Mack 552 Mack Part Number 25164942 Hendrickson Suspension Bushing included
	98.21370896	600mm Centres	Mack Torque Rod Assembly 600mm Centres straight Bushing included 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

AFTERMARKET PARTS TO SUIT HENDRICKSON / PRIMAXX SUSPENSION

	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

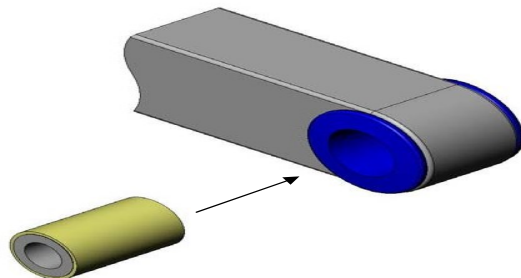
Installation Instructions Part: 98.58648000

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:

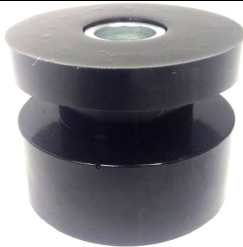
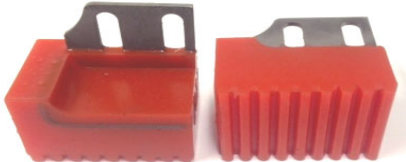
- ☐ using a press in conjunction with a flat plate to press both sleeves in at once
- using a long 1" or 1 1/8" bolt & nut with two large flat washers (or plates with a bolt hole through them) to draw both sleeves in at once

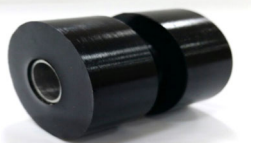
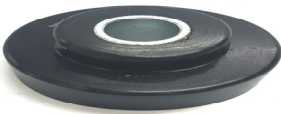


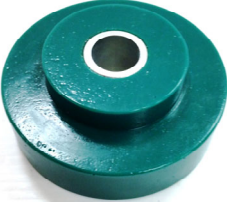
3.) Re-install beam according to OEM procedures and guidelines.

AFTERMARKET PARTS TO SUIT KENWORTH

Kenworth Truck Parts

	PART NO.	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
	12.16813AA		Kenworth Clamp Pin Exhaust
	12.6001.8	39.0MM SMALL O.D. 83.5MM LARGE O.D. 1 01.6MM OVERALL LENGTH OF POLYURETHANE	For Kenworth Trucks Replaces: Kenworth QK179-375
	12.6002.8	LENGTH = 104MM WIDTH = 56MM HEIGHT = 71MM HOLES CENTRES ARE 60MM	Kenworth Hood Mount Block Replaces R85-1236 & R85-1236R
	12.6003.8	HEIGHT: 1 3/16" (UPPER) & 1/2" (LOWER) I.D :13/16" SMALL O.D: 2" LARGE O.D: 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
	12.6004.9	OD = 189.5MM ID= 176MM	Kenworth Seal Air Piping Replaces G42-1008 Kenworth Part Number
	12.6005.8	LENGTH = 80MM WIDTH = 34MM HEIGHT = 80MM HOLES CENTRES ARE 30MM	Kenworth Hood Mount Block Replaces R85-1252L & R85 1252R
	12.6006.8	LENGTH = 80MM WIDTH = 34MM HEIGHT = 80MM HOLES CENTRES ARE 40MM	Kenworth Hood Mount Block Replaces R85-1160L & R85 1160R
 Top & Bottom view - sold individually	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

Kenworth Truck Parts			
	PART NO.	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
 Top & Bottom view - sold individually	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 & K066-517 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& Centre Bush can be Replaced	
	12.6111.8	Kenworth Rear Cab Mounting Block For K200 Series Replaces K235-1954 Includes Housing & Centre Bush can be Replaced	
	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

Kenworth Truck Parts			
	PART NO.	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
	12.7010.08HD	LARGE OD=63.5MM SMALL OD=38.25MM ID = 16.3MM WIDTH = 24.4MM	Heavy Duty / Off Road 85 Duro Kenworth Radiator Mount Half Size Replaces K066 – 177 Kenworth Part Number Sold as a set of 4
	12.7011.08HD	LARGE OD=77mm SMALL OD=47mm ID = 16.3MM WIDTH = 30mm	Kenworth C509 Radiator Mount Half Size Green 85A Duro Heavy Duty Version Replaces K066 - 251
	12.7100.9	Kenworth Chassis Mounting Block 95mm x 95mm x 55mm With A 17mm Bolt Hole	
	12.7500.08	Kenworth Radiator Mount Kit & Stay Kit Replaces K066 - 177 & K066-497 & K066-500	
	12.E55.1128	Kenworth Clutch Lever	
	12.PL6310031 00.8	Kenworth T658 Hood Support Pad 220mm LENGTH, WIDTH 68mm with 7mm 25mm SLOTS 10mm THICKNESS POLY 85DUO REPLACES L63-1003-100, HLK2024, PL63-1003-100, PL631003100, L631003100	
	99.CUMFFK.0 01	Fuel Filter Kit Cummins Kenworth E5 Signature and ISX Motors Including Mounting Bracket, Screws, Washers & Hose (all fittings for installation)	

Kenworth Suspension & Bushes

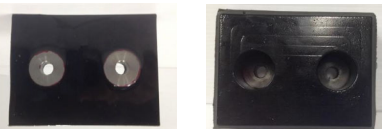
	PART NO.	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
	09.1521.08	SHAFT HOLE DIA.= 19.5MM BOSS O.D = 104.7MM BOSS WIDTH= 63.5MM SHAFT HOLE TO HOLE = 111.1 MM SHAFT ACROSS FLATS= 34.9MM	For Kenworth (Standard) Replaces: Kenworth K066C259 and Rockwell A-2297-R-18A
	09.1521.18	SHAFT HOLE DIA.= 19.5MM 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)
	09.1523.08	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
	09.1523.18	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) Non – Repairable Poly Bush Replaces: Rockwell A-2297 -K-1 051
	09.1526.18	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
	09.1651.18	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

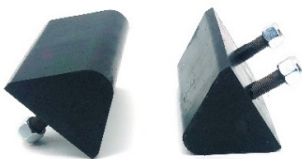
Kenworth Suspension & Bushes

	PART NO.	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
	09.1656.28	OD = 2 3/4" LENGTH = 8 1/6" STUD = 1 1/4" 12 TPI	Tapered Straddle Mount Pin Assembly Replaces ATRO TT38000A, TT38000, Neway 229610, Arvin Meritor R302228, R308651, Euclid E-2228, E-8651, GAFF 13518, 13533, Hendrickson 44697, 64400-004L, Kenworth 229610
	09.4200.08	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. Full Rotation of pin. Including lateral movement of 11 Degrees Screw in type. Includes the following parts: Pin: 09.1651.03 (1) Poly Bushing: 09.1651.09 (2) Screw-in Washer: 09.1651.06 (1)
	09.7972.9	102.0MM I.D. 127.0MM O.D. 125.0MM LENGTH	Trunnion Bushes and Pad, For Kenworth Big 6 Truck Spring Suspensions

AFTERMARKET PARTS TO SUIT WESTERN STAR

Western Star Cab & Engine Parts

	PART NO.	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
	12.J11729123		Western Star 6900 Radiator Isolator Bush Replaces Western star J11729123
	12.J2124613	Lower Engine Mount Length 163mm", Width 80mm, Large OD 50mm, Centre to Centre 100mm Upper Engine Mount Length 185mm", Width 85mm, Large OD 50mm, Thickness 25mm	Western Star Upper & Lower Engine Mount Replaces Western Start Part No: J2124613 Sold as one (1) unit
	12.7000.08	Lower Engine Mount Length 1 3/16", ID 5/8", Large OD 3", Small OD 1 13/16" Upper Engine Mount 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	Western Star Upper & Lower Engine Mount Replaces 04-9009997 x 1 OFF & 04-9009996 x 2OFF 12004-3402 & 04-9009997 & 04.900999 & K066-228
	99.BTC.633033479	Centre to Centre 364mm Hole Size 13mm	Western Star Cab Cross Brace Replaces Western Star Part No.633033479
	99.BTC.CCB2204143	O.D. = 87mm Length = 76mm I.D = 16mm	Isolator Cab Support - Poly Replaces Western Star Part No. CCB2204143
 Top & Bottom view sold individually	99.A1718108001.70	Length = 101mm Width = 76mm Depth = 38mm Holes Centres are 50mm	Western Star Isolator Rear Support Hood Replaces A1718108001.70
	99.BTC.05-16070	ID= 17mm OD = 76.2mm Overall Length= 50mm	Western Star 4900 Radiator Mount 2013 Model - 2 Piece 75 Duro Polyuthrane Replaces: 05-16070-000
	99.BTC.373023403	Large O.D. = 47.6mm Small O.D. = 36.5mm Length = 30.2mm I.D = 25.4mm	Western Star Shock Bush Replaces GAFF 30507, EUCLID E-7529, ATRO PL1139

Western Star Cab & Engine Parts		
	PART NO.	APPLICATION AND GENERAL INFORMATION
	99.A17.16123002	Aftermarket Western Star V - Block Mount (Large) Sold as one (1) unit / pair Replaces Western Star Part Number: A17.16123002
	99.WS.670093436	Aftermarket Western Star V - Block Mount (small) Sold as one (1) unit / pair Replaces Western Star Part Number: WS.670093436
	99.A171841025000	Hood Support Bushing For Western Star Mount Assembly
	A17.18932000LH	Western Star Mount Assembly - Hood Standard - Left Hand
	A17.18932000RH	Western Star Mount Assembly - Hood Standard - Right Hand
	99.A17940.00	Western Star Bonnet Knife Blade Support Arm Right Hand & Left Hand Sold as a Pair Replaces: A17940.00
	99.A17925.00	Western Star Bonnet Knife Blade Support Arm Right Hand & Left Hand Sold as a Pair Replaces: Western Star 4900 Series Truck
	99.BTC.1847550002.08M	Rod End Hood Pivot - With Poly Ball
	99.BTC.0100	Western Star ABS Valve Muffler Insert Made out of aluminum instead of plastic to avoid replacing
	99.BTC.373033417HD	Western Star Front Shocker Arm Replacement.

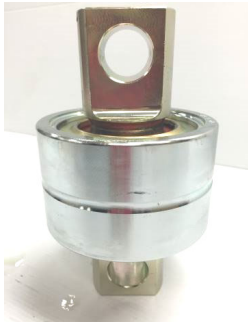
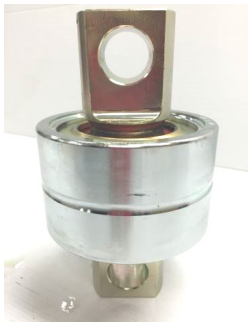
Western Star Cab & Engine Parts

	PART NO.	APPLICATION AND GENERAL INFORMATION
	99.BTC.CCB2204143	Western Star Isolator Cab Support – Poly Replaces Western Star Part No: CCB2204143.
 Top & Bottom view - sold individually	99.BTC.CB11245	Western Star Isolator Cab Support – Poly Replaces Western Star Part No: CCB11245

Western Star Chassis Brackets

	PART NO.	APPLICATION AND GENERAL INFORMATION
	99.BTC.STYX2009.0	Aluminium cab shock bracket
	99.BTC.STYX2010	Steel shock absorber bracket RH
	99.BTC.STYX2011	Steel shock absorber bracket LH
	99.BTC.STYX2012	Steel bracket to chassis black

Western Star Suspension Bushes

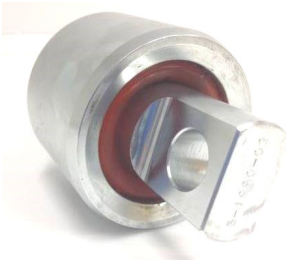
	PART NO:	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
	09.1520.08	SHAFT HOLE DIA.= 26.0MM BOSS O.D.= 104.7MM BOSS WIDTH= 63.5MM SHAFT HOLE TO HOLE= 135.7MM SHAFT ACROSS FLATS= 34.9MM	For Mack, Neway AD. 252-11 ,Rockwell (Large 0.0. Boss - Large Shaft) and Western Star Replaces: Mack 380F29402M Rockwell A-2297-D-82A Rockwell A-2297-X-3664
	09.1520.18	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)
	09.1520.28	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
	09.1654.08	SHAFT HOLE DIA.= 21.0MM BOSS O.D.= 63.5MM BOSS WIDTH= 91MM SHAFT HOLE TO HOLE= 144MM SHAFT ACROSS FLATS= 23MM	Spring Eye Bush - Western Star REPLACES: Freightliner 16- 18035-00, 681-325- 02-50. 681-325-01- 50, 16-139632-00 And ATRO UB20500 and International 3538115C1

AFTERMARKET PARTS TO SUIT NEWAY SUSPENSION

	PART NO:	APPLICATION AND GENERAL INFORMATION
	09.1667.08	Neway/Holland - Pivot Connection Bush Replaces 90008256, Ad123-246-369, Ad126-252-378, Ad130-260-390 Drive Air (Single-Tan Dem - Tri-Axle Suspension)
	09.1666.08	Neway/Holland - Rear Beam Centre Bush Replaces 90008225, AD123-246-369, AD126-252-378, AD130-260-390 Drive Air (Single-Tan Dem - Tri-Axle Suspension)
	09.1668.08	Neway/Holland - Transverse Connection Bush Replaces 90008135, Ad123-246-369, Ad126-252-378, Ad130-260-390 Drive Air (Single-Tan Dem - Tri-Axle Suspension)
	09.1669.08	Neway/Holland -Front Pivot Connection Bush 90008151 To Suit AD-126/252/378/123/246/369
	09.1670.08	Neway/Holland - Bushing Transverse 90008219 To Suit AD-126/252/378/123/246/369
	09.1671.08	Neway/Holland - Bushing Beam Center Bar Pin Style 90508012 To Suit AD-126/252/378

AFTERMARKET PARTS TO SUIT **ISUZU, MITSUBISHI, FUSO & HINO TRUCKS**

Isuzu, Mitsubishi, Fuso & Hino Suspension & Bushes

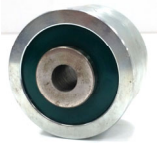
	PART NO:	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
	09.1522.08	SHAFT HOLE DIA. =19.1MM BOSS O.D= 105.1MM BOSS WIDTH= 52.0MM SHAFT HOLE TO HOLE=110.0MM SHAFT ACROSS FLATS=32.0MM	For Hino, Isuzu, and Nissan UD Replaces: Hino 49305-1110, Isuzu 1515190412, Nissan 55542-2-2001 & 55542-Z-2005
	09.1522.18	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)
	99.48423.08	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

AFTERMARKET PARTS TO SUIT FREIGHTLINER TRUCKS

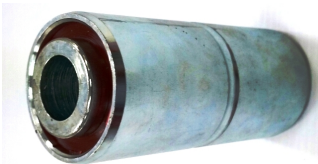
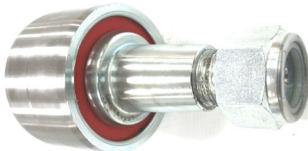
	PART NO:	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
	12.6500.08	LENGTH = 90.488mm I.D= 15.875mm O.D = 95.25mm	Freightliner Cab Pivot Bushing Replaces Freightliner 18-64205-000, 18-45959-000 & ATRO CM46-61959.
	09.1654.08	SHAFT HOLE DIA.= 21.0MM BOSS O.D.= 63.5MM BOSS WIDTH= 91MM SHAFT HOLE TO HOLE=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

AFTERMARKET PARTS TO SUIT IVECO TRUCKS

Iveco Cab & Engine Parts

	PART NO:	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
	99.IVECO.9 7384377	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
	09.1905.08	OD = 60.60mm ID = 22.60mm Length = 117mm	Iveco Front Bushing Replaces Iveco HD 40432-000
	09.1906.8	OD = 46.6mm ID = 19.65mm Length = 107mm	Iveco Bush Airtec Spring Replaces Iveco HD 40443-000
	99.ACCO.08	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

AFTERMARKET PARTS TO SUIT EUROPEAN TRUCKS

MAN Suspension Bushes

	PART NO:	DIMENSIONS	APPLICATION AND GENERAL INFORMATION
	09.1509.08	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
	09.1510.08	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
	09.1506.08	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
	09.1511.08	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
	09.1661.08	17.5	75.2	59	115	24	Straddle Bush Assembly Scania V-Rods for buses. Replace Part No: 1517403
	09.1660.08	19.5	84	68	116	24	Straddle Bush Assembly Volvo . V – Rods Replacement

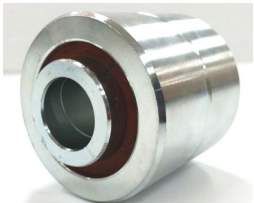
AFTERMARKET PARTS TO SUIT DENNIS EAGLE TRUCKS

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

AFTERMARKET PARTS TO SUIT MERITOR / ROCKWELL TRUCKS

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

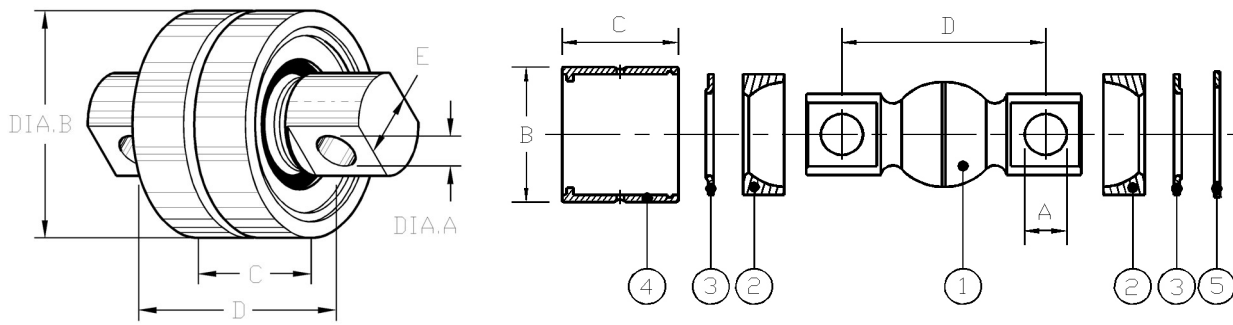
AFTERMARKET PARTS TO SUIT RFW TRUCKS

	PART NO:	APPLICATION AND GENERAL INFORMATION
	99.RFW.08	RFW PERMATRAX RADIUS ROD BUSH 70 x 25 x 63mm
	99.RFW.001	RFW Engine Mounting Bush

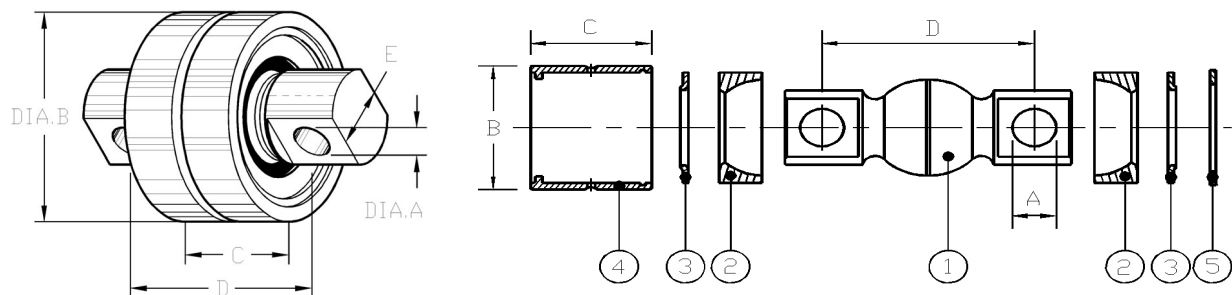
OVERVIEW - TORQUE ROD BUSH ASSEMBLIES LIST

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 ATRO TT38000A, TT38000, Neway 229610, Arvin MeritorR302228, R308651, Euclid E-2228, E-8651, GAFF 13518, 13533, Hendrickson 44697, 64400-004L, Kenworth 229610
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

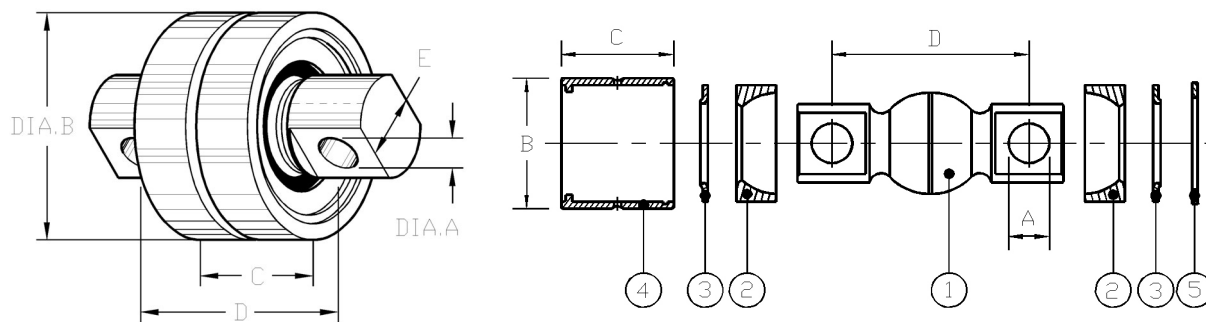
TORQUE ROD BUSH ASSEMBLY – STRADDLE MOUNT



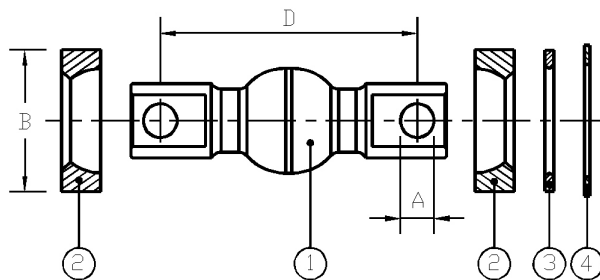
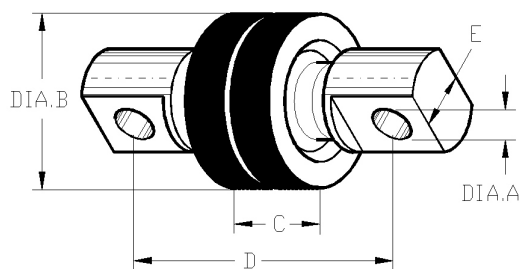
PART NO.	INCLUDES	A SHAFT HOLE DIA.	B BOSS O.D.	C BOSS WIDTH	D SHAFT HOLE TO HOLE	E SHAFT ACROSS FLATS	APPLICATION AND GENERAL INFORMATION
09.1501.08	1. 09.1501.03 Shaft (1) 2. 09.1501.09 Bush-Red (2) (Heavy Duty Bush) 3. 09.1501.06 Washer (2) 4. 09.1501.05 Boss Outer (1) 5. 38.130.068 Circlip (1) 09.1501.11 (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
09.1504.18	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
09.1516.08	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
09.1522.08	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
09.1522.18	Non – Repairable Poly Bush	19.1	105.1	52.0	110.0	32.0	Non-Repairable Bush (as above 09.1522.08).



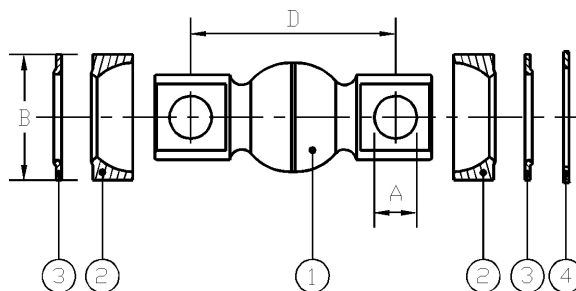
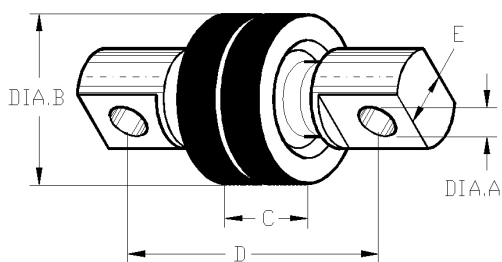
PART NO.	INCLUDES	A SHAFT HOLE DIA.	B BOSS O.D.	C BOSS WIDTH	D SHAFT HOLE TO HOLE	E SHAFT ACROSS FLATS	APPLICATION AND GENERAL INFORMATION
09.1517.08	1. 09.1517.03 Shaft (1) 2. 09.1505.09 Bush-Red (2) (Heavy Duty Bush) 3. 09.1517.06 Washer (2) 4. 09.1517.05 Boss Outer (1) 5. 38.130.680 Circlip (1)	19.8	88.8	68.0	111.1	36.3	For Mack, Neway AD. 252-11 and Rockwell Suspensions Replaces: Mack 380F29407M
09.1517.18	Non – Repairable Poly Bush	19.8	88.8	68.0	111.1	36.3	Non – Repairable Poly Bush (as above – 09.1517.08)
09.1519.08	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
09.1519.18	Non – Repairable Poly Bush	16.7	104.7	63.5	111.1	31.8	Non – Repairable Poly Bush (as above 09.1519.08)
09.1520.08	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
09.1520.18	Non – Repairable Poly Bush	26.0	104.7	63.5	135.7	34.9	Non – Repairable Poly Bush (as above 09.1520.08)
09.1521.08	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
09.1521.18	Non – Repairable Poly Bush	19.5	104.7	63.5	111.1	34.9	Non – Repairable Poly Bush (as above 09.1521.18)
09.1523.08	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
09.1525.08	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
09.1526.08	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



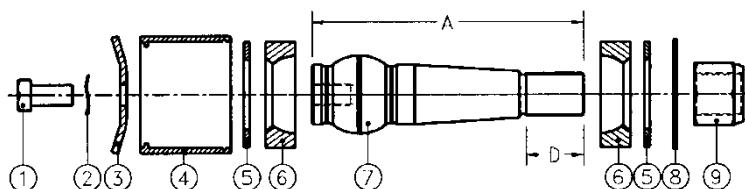
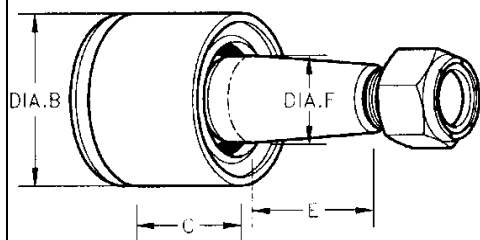
PART NO.	INCLUDES	A SHAFT HOLE DIA.	B BOSS O.D.	C BOSS WIDTH	D SHAFT HOLE TO HOLE	E SHAFT ACROSS FLATS	APPLICATION AND GENERAL INFORMATION
09.1650.08	1. 09.1650.03 2. 09.1651.04 3. 09.1650.06 4. 09.1650.09	16.6	60.33	62.98	111.0	25.1	Replaces: Kenworth C13-6001 Airglide 380 ATRO SU00-29001 Spring Link Bushing
09.1651.18	Non – Repairable Poly Bush	18	69.87	61	111.0	29	Non – Repairable Poly Bush 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 ATRO: TS38000 Torque Rod Bushing, TS59-22400 Straddle Bushing (High Articulation), and Straddle Pin 360 Degrees Rotation, 11 Degrees lateral.
09.1653.08	1. 09.1653.04F 2. 09.1653.05 F 3. 09.1651.03	18	76.2	61.95	111.0	29	Replaces: Mack ATRO: TS46000



PART NO.	INCLUDES	A SHAFT HOLE DIA.	B BOSS O.D.	C BOSS WIDTH	D SHAFT HOLE TO HOLE	E SHAFT ACROSS S FLATS	APPLICATION AND GENERAL INFORMATION
09.1505.08	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
09.1511.08	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

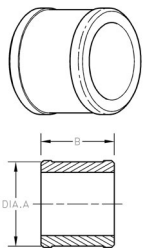


PART NO.	INCLUDES	A SHAFT HOLE DIA.	B BOSS O.D.	C BOSS WIDTH	D SHAFT HOLE TO HOLE	E SHAFT ACROSS S FLATS	APPLICATION AND GENERAL INFORMATION
09.1506.08	1. 09.1506.03 Shaft (1) 2. 09.1506.09 Bush-Red (2) (Heavy Duty Bush) 3. 09.1506.06 Washer (2) 4. 38.130.085 Circlip (1)	21.0	85.0	55.0	152.0	24.3	For Mercedes (85mm O.D. Bush) Replaces: Mercedes A-000-350-06-13
09.1509.08	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
09.1510.08	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
09.1517.28	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
09.1520.28	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		
	09.1533.09	66.0	57.0	Heavy Duty Bush Polyurethane A90 Colour: Red	International

TORQUE RODS

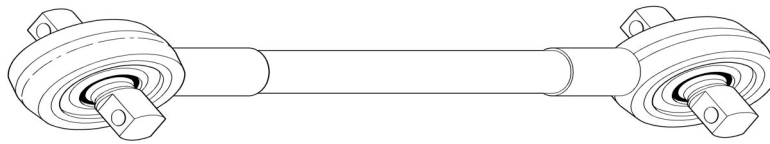
Here is why you should buy our Torque Rods ...

- 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
09.4000.08	Includes the following parts: Pin: 09.1650.03 (1) Poly Bushing: 09.1650.09 (2) Screw-in Washer: 09.1650.06 (1)	17.0	111.0	25.4	GP TORQUE ROD ASSEMBLY TWO PIECE REPLACES HENDRICKSON BUSH 47691 TYPE 600 centre to centre torque rod and smaller.
09.4200.08	Includes the following parts: Pin: 09.1651.03 (1) Poly Bushing: 09.1651.09 (2) Screw-in Washer: 09.1651.06 (1)	18.0	111.0	29.0	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
09.4300.08	Includes the following parts: Pin: 09.1650.03 (1) Poly Bushing: 09.1650.09 (2) Screw-in Washer: 09.1650.06 (1)	17.0	111.0	25.4	GP Torque Rod Assembly 600 Centers - Above replaces Hendrickson Bush 47691 600 centre to centre torque rod and larger. .

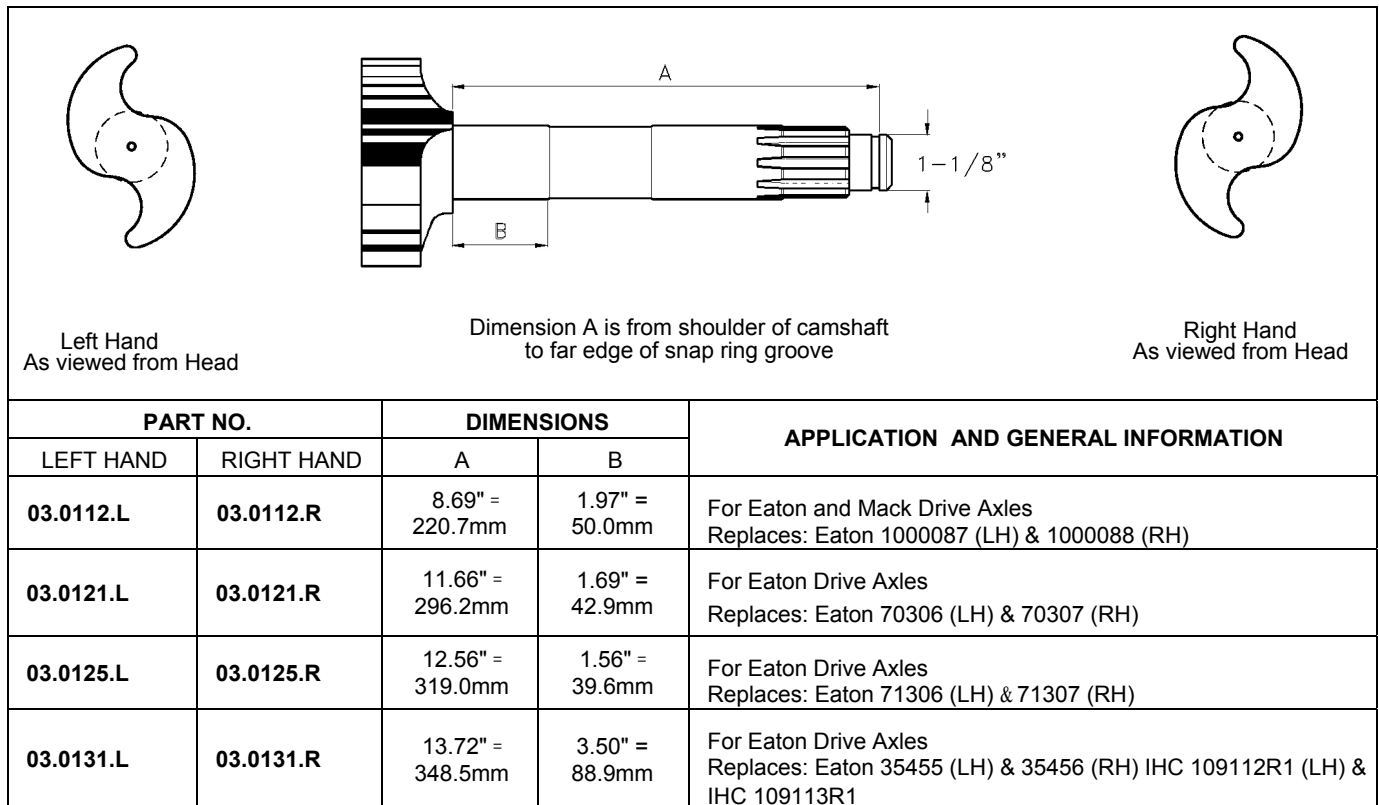
CAMSHAFTS

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

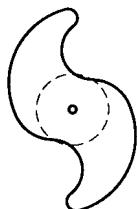
Camshafts can be manufactured from a sample or from a drawing.

All parts are manufactured to Australian standards.

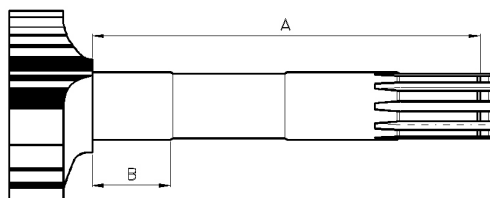
1-1/2" – 10 Spline, Standard "S" Head Camshafts



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



Left Hand
As viewed from Head



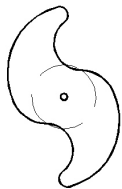
Dimension A is from shoulder of camshaft
to far edge of snap ring groove



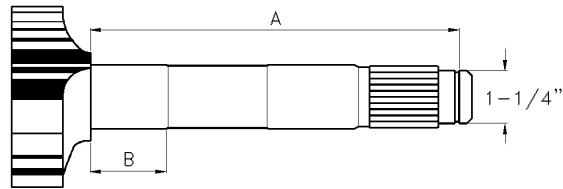
Right Hand
As viewed from Head

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

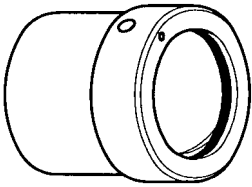
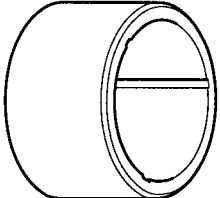
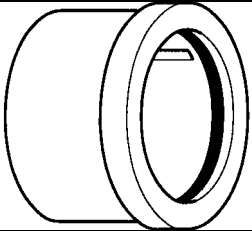
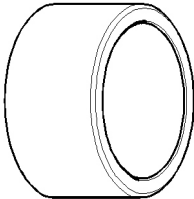
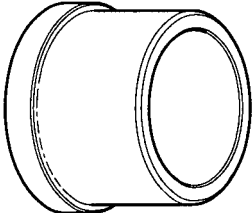


Right Hand
As viewed from Head

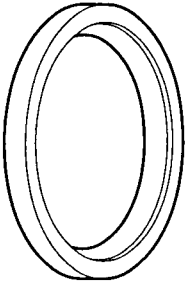
PART NO.		DIMENSIONS		APPLICATION AND GENERAL INFORMATION
LEFT HAND	RIGHT HAND	A	B	
03.0510.L	03.0510.R	8.63" = 219.2mm	1.79" = 45.5mm	For Mack Truck Axles For Rockwell Drive Axles Replaces: Rockwell 2210-F-5440 (LH) & 2210-E-5439 (RH)
03.0514.L	03.0514.R	9.16" = 232.7mm	1.79" = 45.5mm	For Mack Truck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

GENERAL PURPOSE PARTS

CAMSHAFT BUSHINGS

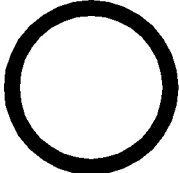
	PART NO.	O.D.	I.D	LENGTH	APPLICATION AND GENERAL
	03.2119.5	1-7/8" = 47.6mm	1-1/2" = 38.1mm	1.77" = 45.0mm	For Eaton, Mack, and Rockwell Front and Drive Axles; Spline-End Bushing Plated Steel Bush Used in Support Bracket for Mack Fitted with Tayco Brakes Includes: 1 'O' Ring 03.2455.0
	03.2209.0	1-7/8" = 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
	03.2209.2	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
	03.2209.3	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.
	03.2209.5	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

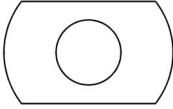
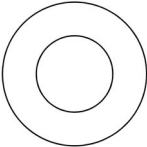
	PART NO.	REPLACES	O.D.	SUITS SHAFT	THICK	APPLICATION
	03.2402.0	Rockwell 1205-M-II05, Spicer M16HH100 and Std. Forge 408101	1-7/8" = 47.6mm	1-1/2" = 38.1mm	3/16" = 4.8mm	Late Model Rockwell, Std. Forge Weld-on Spiders, and Dana Cam Seal (1-1/2" Dia. Cam)
	03.2403.0	Eaton B-1736-1, 40864 & 77903	1-7/8"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

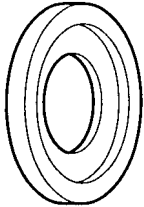
	03.2404.0	Rockwell 1705-M-143 and Eaton B-1662 & 820064	2-1/16" = 52.4mm	1-1/2" = 38.1mm	1/4" = 6.4mm	Rockwell, Std. Forge and Eaton Cam Seal (1-1/2" Dia. Cam)
	03.2405.0	Rockwell 1205-U-1451	2" = 50.8mm	1-5/8" = 41.3mm	3/16" = 4.8mm	Rockwell "4000-6000" Series Axles Cam Seal (1-5/8" Dia. Cam)

CAMSHAFT 'O' RINGS

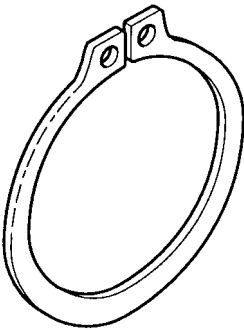
	PART NO.	REPLACES	SUITS SHAFTS	I.D.	WIDTH	APPLICATION AND GENERAL INFORMATION
	03.2452.0	Fruehauf AXA-0412-1	1-5/8" = 41.3mm	1.609" = 40.9mm	0.139" = 3.5mm	Suits Bushing: 03.2102.0 & 03.2103.0
	03.2455.0	Rockwell 1205-R-746	1-1/2" = 38.1mm	1.487" = 37.8mm	0.103" = 2.6mm	Suits Bushing: 03.2119.5, 03.2200.2, 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)
	03.2457.0	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 	03.2501.0	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 	03.2520.0	-	46mm	1-1/2" = 38.1mm	3.4mm	Slack Adjuster; Plated Steel Washer For Mack and Rockwell;
	03.2521.1	-	48.5mm	1-1/2" = 38.1mm	5mm	For Mack; Plated Steel Washer
	03.2513.0	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)

	03.2502.0	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)
	03.2503.0	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)
	03.2504.0	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)
	03.2507.0	-	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)
	03.2508.0	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 	PART NO.	REPLACES	O.D.	SUITS SHAFTS	THICK	APPLICATION AND GENERAL INFORMATION
	03.2523.1	-	49mm	22mm & 1-1/2" = 38.1mm	5.5mm	Mack Washer

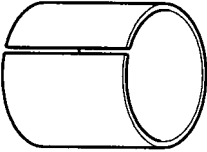
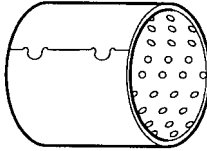
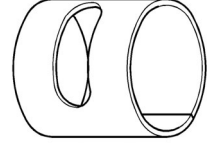
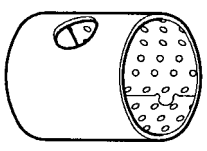
CAMSHAFT CIRCLIPS

	PART NO.	REPLACES	SUITS SHAFTS	WIDTH	APPLICATION AND GENERAL INFORMATION
	03.2602.0	Eaton B-1716 & 820095, Fruehauf 219160, GMC 2101124 and Rockwell 1229-Z-1118	1-1/2" = 38.1mm	0.05" = 1.27mm	General Purpose
	03.2604.0	-	38mm	2.50mm	General Purpose
	03.2605.0	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
	03.2622.0	-	1-1/4" = 31.8mm	0.093" = 2.36mm	For Rockwell 28 Spline Truck Camshafts

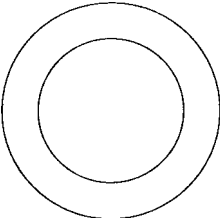
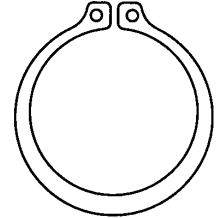
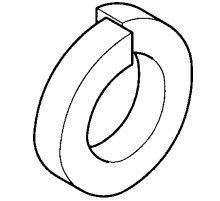
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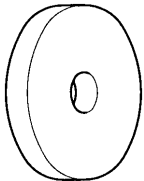
	PART NO.	APPLICATION AND GENERAL INFORMATION
	03.2608.0	For Mack Use with Camshafts 03.1210.L & 03.1210.R. For BPW Camshafts. Replaces BPW 03.260.14.08.0

ANCHOR PIN SPIDER BUSHINGS

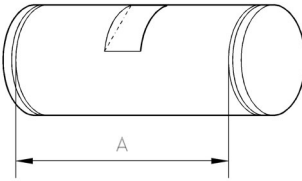
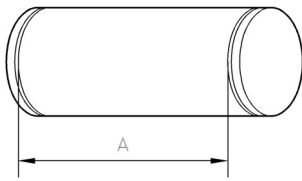
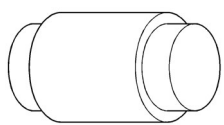
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	03.3052.0	Rockwell 1225-B-496 and Trailmobile 15409	1-3/8" = 34.9mm	1-1/4" = 31.8mm	1-15/32" = 37.3mm	Split, Stainless Steel, General Purpose Bushing Use with 03.3203.0 Anchor Pin
	03.3053.0	Eaton B-2022	1-3/8" = 34.9mm	1-1/4" = 31.8mm	1-7/16" = 36.5mm	Tab Jointed, Steel-Backed Bronze General Purpose Bushing
	03.3058.0	Rockwell 1225-G-449	1-3/8" = 34.9mm	1-1/4" = 31.8mm	1-15/32" = 37.3mm	
	03.3059.0	-	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

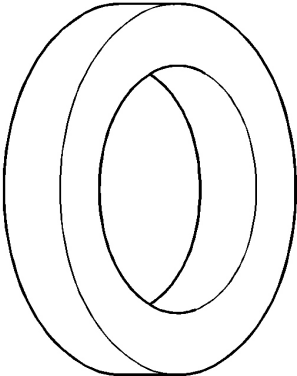
	PART NO.	REPLACES	O.D.	I.D.	L.G.	APPLICATION AND GENERAL INFORMATION
ANCHOR PIN WASHER 	03.3103.0	Rockwell 1229-B-1848	1-7/8" = 47.6mm	1-1/4" = 31.8mm	1-1/ 16" = 27.0mm	Plated Steel General Purpose Washer Use with 03.3203.0 Anchor Pin
	03.3164.0	Spicer M10HM136 and Std. Forge 403147	1-1/2" = 38.1mm	1" = 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 	03.3121.0	Eaton B-1214 & 820007, Rockwell 1229-X-1116, Spicer 31624 and Std. Forge 214108	SUITS SHAFT	WIDTH		Can be used on all 1-1/4" Anchor Pins with Circlip Grooves Same as Part No. 03.2601.0
			1-1/4" = 31.8mm	0.050" = 1.27mm		
	03.3163.0	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 	70.103.12	-	O.D.	I.D.	THICK	Use with 03.3240.0, 03.3241.0, 03.3242.0 and 03.3243.0 Anchor Pins
			1-15/64" = 31.4mm	3/4" = 19.1mm	3/16" = 4.8mm	

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

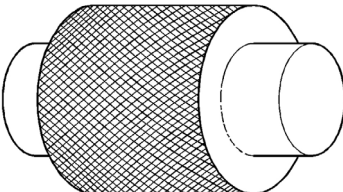
BRAKE SHOE ANCHOR PINS

	PART NO.	REPLACES AND INCLUDES	DIMENSIONS OF BOSSES			APPLICATION AND GENERAL INFORMATION
			O.D.	A	DIM. O.A.L.	
	03.3232.0	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
	03.3352.0	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
	03.3332.0	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
	03.3237.0	Rockwell 1259-N-274 and Spicer M16WJ105	O.D.	LENGT H 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

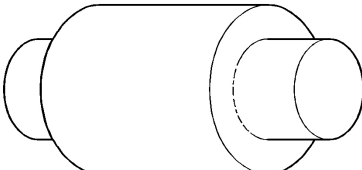
	PART NO.	O.D	I.D	THICK	APPLICATION AND GENERAL INFORMATION
	03.3300.0	1-3/4" = 44.5mm	1" = 25.4mm	21/64" = 8.3mm	For Std. Forge Fabricated Steel 12-1/4" Dia. Brake Shoes Weld Inside for use with 03.3241.0 Anchor Pin on Early Model Conversions Weld Outside for use with 03.3348.0 Anchor Pins on Late Model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

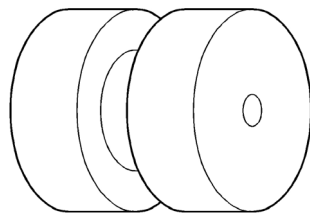
PART NO.	REPLACES	OVERALL LENGTH	LENGTH OF LARGE O.D.	SMALL O.D.	LARGE O.D.	APPLICATION AND GENERAL INFORMATION
03.3400.0	Knurled Version of 03.3403.0	2-7/32" = 56.4mm	1-9/32" = 32.5mm	3/4" = 19.1mm	1-1/4" = 31.8mm	For 16-1/2" Dia. Brakes with Fabricated Brake Shoes
03.3400.1	Knurled Version of 03.3403.1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

BRAKE SHOE ROLLERS

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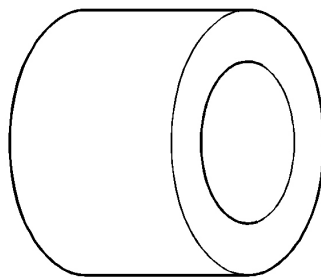
PART NO.	REPLACES	OVERALL LENGTH	LENGTH OF LARGE O.D.	SMALL O.D.	LARGE O.D.	APPLICATION AND GENERAL INFORMATION
03.3403.0	Fruehauf 330733, GMC 2295551, Rockwell 1779-R-18, Spicer M16WJ104, Std. Forge 204101-001 and Trailmobile 7-23-7	2-7/32" = 56.4mm	1-9/32" = 32.5mm	3/4" = 19.1mm	1-1/4" = 31.8mm	Std.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

03.3410.0	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
03.3410.1	-				1-3/4" = 44.5mm	1/8" (3.2mm) Oversize Version of 03.3410.0
03.3414.0	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
03.3451.0	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
03.3451.1	-				1-3/8" = 34.9mm	1/8" (3.2mm) Oversize Version of 03.3451.0
03.3451.2	-				1-1/2" = 38.1mm	1/4" (6.4mm) Oversize Version of 03.3451.0
03.3521.0	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
03.3521.1	-	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



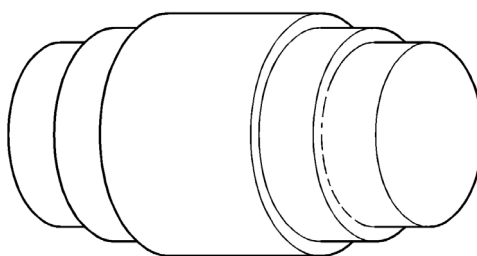
PART NO.	REPLACES	OVERALL LENGTH	WIDTH OF SMALL O.D.	SMALL O.D.	LARGE O.D.	APPLICATION AND GENERAL INFORMATION
03.3425.0	Eaton 1 005204 and Rockwell 1199-G-3725	1-3/8" = 34.9mm	3/8" = 9.5mm	3/4" = 19.1mm	1-1/4" = 31.8mm	Std. for Rockwell 15" x 3-1/2" & 15" x 4" "T" Series Brakes and Eaton 15" x 4" Single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

BRAKE SHOE ROLLERS



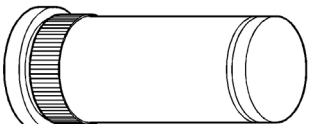
PART NO.	REPLACES	OVERALL LENGTH	NOMINAL I.D.	O.D.	USE WITH PIN NO.	APPLICATION AND GENERAL INFORMATION
03.3418.0	Eaton B-1220, Kershaw 11509, Rockwell 1199-A-625, Spicer M10HD100 and Std. Forge 204100-001	15/16" = 23.8mm	3/4" = 19.1mm	1-1/4" = 31.8mm	03.3419.0, 03.3419.1, 03.3420.0 or 03.3421.0	Std.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

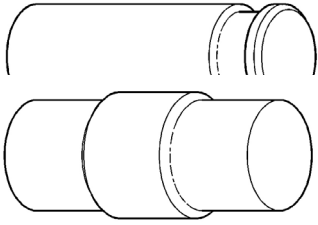
03.3418.1	-			1-3/8" = 34.9mm		1/8" (3.2mm) Oversize Version of 03.3418.0
03.3472.0	Eaton 39074, Ford B5QH2395A, Freighter 154-00927, GMC 2034977 and IHC 142917R1	25/32" = 19.8mm	59/64" = 23.4mm	1-5/8" = 41.3mm	03.3473.0 or 03.3474.0	Std. for Eaton Trailer Axles and Eaton Truck Axles
03.3472.1	-			1-3/4" = 44.5mm		1/8" (3.2mm) Oversize Version of 03.3472.0
03.3523.0	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
03.3523.1	-			1-5/8" = 41.3mm		1/8" (3.2mm) Oversize Version of 03.3523.0



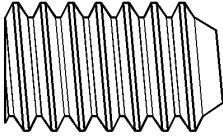
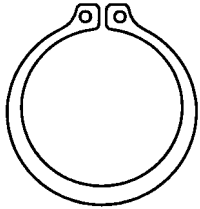
PART NO.	REPLACES	OVERALL LENGTH	LENGTH OF LARGE O.D.	SMALL O.D.	MEDIUM O.D.	LARGE O.D.	APPLICATION AND GENERAL INFORMATION
03.3512.1	-	78mm	32.5mm	26mm	37mm	45mm	3mm Oversize Version of 03.3512.0

BRAKE SHOE ROLLER PINS

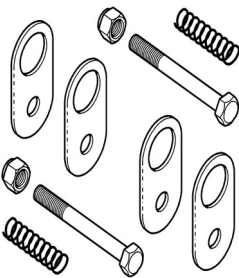
	PART NO.	REPLACES	OVERALL LENGTH	O.D.	APPLICATION AND GENERAL INFORMATION
	03.3419.0	-	2-1/4" = 57.2mm	3/4" = 19.1mm	Full Circle Groove Version of 03.3419.1 for Faster Alignment and Installation
	03.3524.0	Freighter 154-30110 Spicer M10WJ116, and Std. Forge 205107-001	2.428" =61.7mm	Large O.D. 1" (25.4mm) 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
	03.3473.0	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
	03.3474.0	-	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

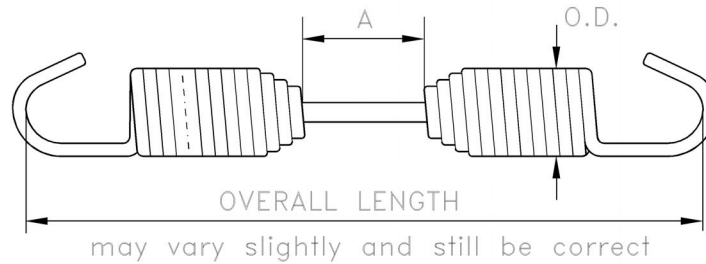
ROLLER AND ROLLER PIN – LOCKS, LOCK RINGS AND RETAINERS

ROLLER PIN SET SCREW 	PART NO.	REPLACES	DIMENSIONS		APPLICATION AND GENERAL INFORMATION
	03.3604.0	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 	03.3605.0	Eaton B-1661, Freighter 154-00888, Fruehauf 253395, Rockwell 1229-M-1105 and Std. Forge 214102	SUITS SHAFT	WIDTH	Use with 03.3420.0, 03.3421.0, 03.3467.0, 03.3524.0 and 03.3528.0 Roller Pins
			3/4" = 19.1mm	0.042" = 1.07mm	

BRAKE SHOE ROLLER RETAINER KITS

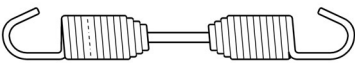
	PART NO.	REPLACES AND INCLUDES	APPLICATION AND GENERAL INFORMATION
	03.3651.0	4 Retainer Plates (Not Sold Separate Small 1.0. 9.3mm and Large 1.0. 20.5mm Centre to Centre 28mm 2 71.035.05.275 Plated Bolts 5/16" UNF x 2-3/4" Long 2 71.635.05 Plated Cone lock Nuts 2 Stainless Steel Springs (Not Sold Separate)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

BRAKE SHOE RETURN SPRINGS

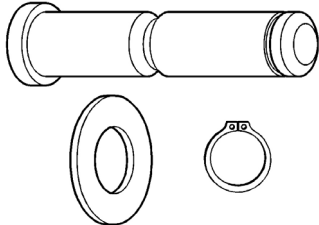


	PART NO.	REPLACES	OVERALL LENGTH	O.D.	DIM.A	APPLICATION AND GENERAL INFORMATION
	03.3701.0	Freighter 154-00803, Fruehauf 219310, IHC 62322R1, Rockwell 2258-P-354, Spicer M10WJ135 and Std. Forge 208102	8" = 203.2mm	1-1/8" – 28.6mm	34mm	Use 03.3701.1 for Heavy Duty Application Spring Wire: 4.1 mm Colour: Green
	03.3701.1	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
	03.3705.0	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
	03.3711.0	-	6-9/16" = 166.7mm	1" = 25.4mm	32mm	Heavy Duty Version of 03.3711.0 Spring Wire: 4.1 mm Colour: Blue
	03.3711.1		6-9/16" = 166.7mm	1" = 25.4mm	32mm	Use with Fabricated Shoes for Fruehauf, Kershaw, Rockwell, Spicer(Dana) and Std. Forge
	03.3715.0	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
	03.3776.0	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

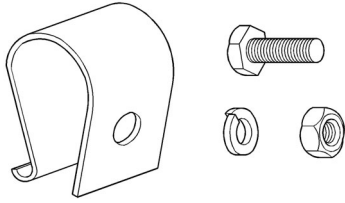
BRAKE SHOE RETURN SPRINGS

	PART NO.	REPLACES	OVERALL LENGTH	O.D.	DIM.A	APPLICATION AND GENERAL INFORMATION
	03.3901.0	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
	03.3901.1	-	4-3/16" = 106.4mm	3/4" = 19.1mm	18mm	Heavy Duty Version of 03.3901.0 Spring Wire: 3.2mm
	03.3905.0	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

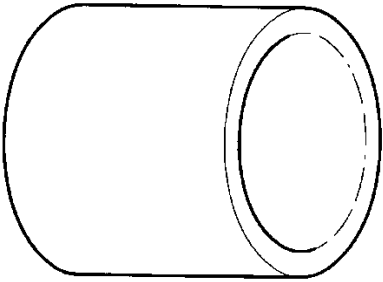
RETURN SPRING - RETAINER PARTS AND KITS

	PART NO.	REPLACES	O.A.L.	O.D.	APPLICATION AND GENERAL INFORMATION
	03.3702.0	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
RETAINER KIT 	03.3702.1	REPLACES AND INCLUDES			Heavy Duty Version of 03.3702.0 For Pin Only Order 03.3702.2
		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			

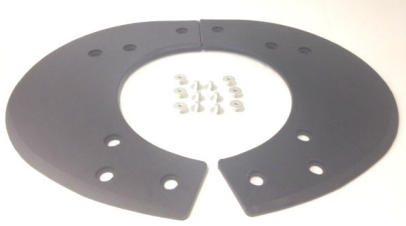
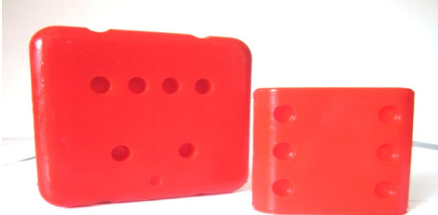
BRAKE SHOE – GUIDE CLIP PARTS AND KITS

GUIDE CLIP KIT 	PART NO.	REPLACES AND INCLUDES	APPLICATION AND GENERAL INFORMATION
	03.4391.0	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
POLYURETHANE 	09.7970.9	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
	09.7972.9	102.0mm I.D. 127.0mm O.D. 125.0mm Length	For Kenworth Big 6 Truck Spring suspensions

AFTERMARKET PARTS TO SUIT JOST FIFTH WHEEL (Turntable)

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

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09.1521.18 15, 28	12.6103.8 13	98.21370896 10	99.BTC.STYX2009.019
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09.1522.18 22, 27	12.6106.9B 13	98.21609754P0103 .. 1	99.BTC.STYX2011 .. 19
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09.1653.08 9, 29	12.7010.08HD 14	98.38QF29402M 8	99.RFW.08 25
09.1654.08 20, 22	12.7011.08HD 14	98.38QF29403M 9	99.WS.670093436 ... 18
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09.1661.08 24	12.E55.1128 14	98.52MX39403M 6	
09.1666.08 21	12.J11729123 17	98.58648000 11	
09.1667.08 21	12.J2124613 17	98.6038300 11	

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
01.0223.00	WT9004	-
03.0112.L	WT2037	FB2057
03.0112.R	WT2038	FB2058
03.0121.L	WT2021	-
03.0121.R	WT2022	-
03.0214.L	WT2079	-
03.0214.R	WT2080	-
03.0222.L	WT2013	FB2029
03.0222.R	WT2014	FB2028
03.0226.L	WT2031	-
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
03.0514.L	WT2077	-
03.0514.R	WT2078	-
03.0526.L	WT2033	-
03.0526.R	WT2034	-
03.0537.L	WT2073	-
03.0537.R	WT2074	-
03.1701.0	WT3001	FB3001
03.1950.0	161-06106	-
03.1952.0	154-30126	-
03.2101.0	WT2101	FB2101
03.2102.0	WT2102	FB2102
03.2103.0	WT2103	FB2103
03.2107.0	WT2107	FB2107
03.2109.0	WT2109	-
03.2110.0	WT2110	-
03.2200.5	GT2262	-
03.2201.0	WT2201	FB2201
03.2202.0	WT2202	FB2202
03.2203.0	WT2203	FB2203
03.2203.5	GT2263	FB2251
03.2204.0	WT2208	-
03.2204.4	-	FB2255

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03.2204.7	WT2208B	-
03.2206.5	-	FB2258
03.2208.5	-	FB2259
03.2208.8	-	FB3177
03.2209.2	WT2209	-
03.2209.5	-	FB2260
03.2210.0	WT2212	-
03.2214.3	-	FB2201
03.2214.4	-	FB2262
03.2238.5	-	FB2229
03.2402.0	WT3122	-
03.2403.0	WT3133	FB3122
03.2404.0	WT3123,WT3134	FB3141
03.2405.0	WT3118	FB3118
03.2501.0	WT3101	FB3101
03.2513.0	WT3117	FB3117
03.2502.0	WT3103	FB3103
03.2503.0	WT3102	FB3102
03.2504.0	WT3105	-
03.2508.0	WT3106	-
03.2602.0	WT3107	-
03.2605.0	WT3100	FB3100
03.2608.0	WT3129	FB3166
03.3052.0	WT3207	FB3207
03.3053.0	WT3207T	-
03.3058.0	WT3213	FB3231
03.3059.0	WT32.13B	-
03.3103.0	WT3203	FB3203
03.3164.0	WT3217	-
03.3121.0	WT3205	-
03.3163.0	WT3218	-
03.3161.0	WT3342	-
03.3172.0	WT3344	-
03.3175.0	WT3304W	-
03.3201.0	WT3304S	-
03.3348.0	WT3216	-
03.3232.0	WT3200	FB3232
03.3352.0	WT3300	FB3233
03.3242.0	WT3341	FB3311

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03.3237.0	WT3305	-
03.3302.1	WT3302	-
03.3303.0	-	FB3305
03.3400.0	WT3403	-
03.3400.1	WT3404	-
03.3400.2	WT3405	-
03.3403.0	WT3403S	FB3403
03.3403.1	WT3404S	FB3404
03.3403.2	WT3405S	FB3405
03.3451.0	-	FB3410
03.3521.0	-	FB3421
03.3512.1	WT3429	-
03.3418.0	WT3436	-
03.3418.1	-	FB3416
03.3472.0	WT3421	-
03.3472.1	WT3422	FB3418
03.3523.0	WT3432	FB3424
03.3419.0	WT3434	-
03.3524.0	WT3433	FB3425
03.3473.0	WT3420	FB3407
03.3604.0	WT3435	-
03.3605.0	WT3425	-
03.3651.0	WT3417	-
03.3701.0	WT3451	FB3451
03.3701.1	WT3451	-
03.3705.0	WT3453	-
03.3711.0	WT3471	-
03.3776.0	WT3613	-
03.3901.0	-	FB3455
03.3901.1	WT3473	-
03.3905.0	WT3466	FB3456
03.3702.0	WT3452	FB3452
03.8321.0	WT3456	-
09.1651.18	-	SP1331P
09.1715.0	WT1408	-
09.1740.0	WT1229	-
09.1750.0	WT1232	-
09.1765.0	WT1209	-
09.1745.0	WT1215	-
09.201.39	-	SP1352
09.201.49	-	SP1351
09.212.38	-	SP1418

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09.212.39	-	SP1371
09.212.45	-	SP1425
09.212.47	-	SP1417
09.212.49	-	SP1370
09.212.54	-	SP1430
09.212.56	-	SP1421
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09.281.45	T5483	-
09.281.49	SF0033,T7427	SP1355
09.281.52	T7428	-
09.283.34	203-00051	-
09.283.41	203-01920	-
09.283.43	203-02528	-
09.283.47	203-00010	-
09.283.49	203-02530	-
09.283.56	203-01879	-
09.283.60	203-02545	-
09.3102.L	0035-11,SF0004	SP1353
09.3102.R	0035-12,SF0004A	SP1354
09.3202.L	SF0024	SP1372
09.3202.R	SF0024A	SP1373
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09.3206.R	203-02523	UXA0012-1
07.7821.9	WT1114	-
20.7101.0	WT9609	TT6415
20.7102.0	DBG7102	-
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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Notes

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