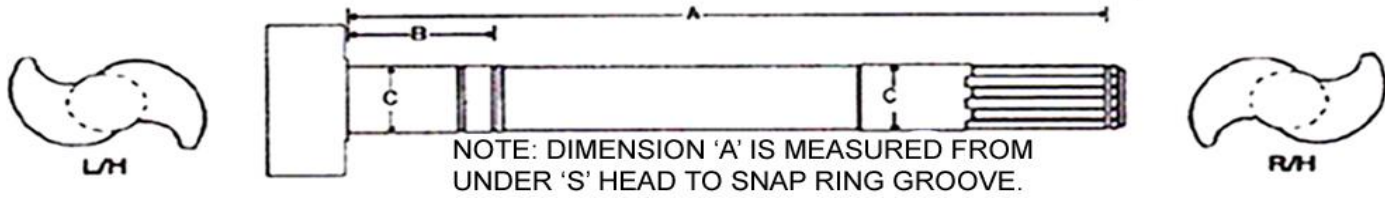
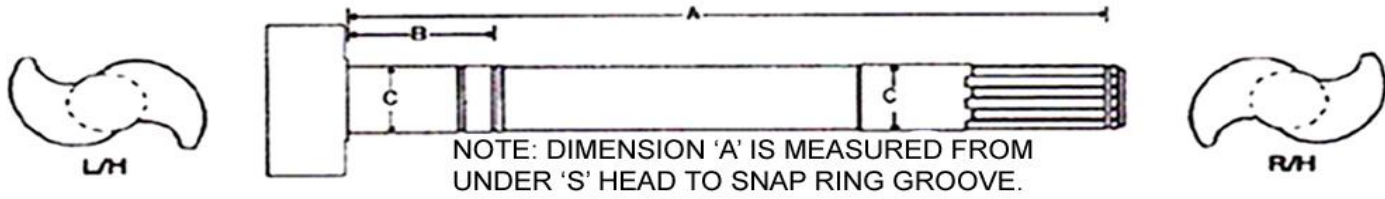


Section 4 - Camshafts



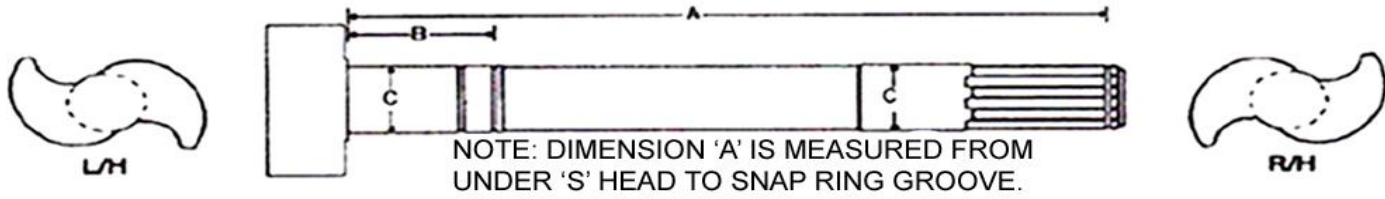
10 SPINE S CAMS							
LEFT-RIGHT	PART NO#	A	B	C	SPLINE	DESCRIPTION	REPLACES
L/H	FP2037	8 9/16"	1 3/4"	1 1/2" x 1 1/2"	10	Mack Drive	2210X5640S FL18.805 41002 T02-2057 BP2037 ZGBG37-037 BRB1050L FB2057
R/H	FP2038						2210W5369S FL18.804 41003 T02-2058 BP2038 ZGBG37-038 BRB1050R FB2058
L/H	ZWT2019	8 11/16"	1 11/16"	1 1/2" x 1 1/2"	10	Eaton Truck Axle	BP2019 Eaton 1000087 FL18.727 T02-2019 ZGBG37-019
R/H	ZWT2020						BP2020 Eaton 1000088 FL18.726 T02-2020 ZGBG37-020
L/H	ZWT2079	9 11/32"	2 1/4"	1 1/2" x 1 1/2"	10	Drive Axle Tag Axle (Austral Bus)	
R/H	ZWT2080	NLA	NLA				
L/H	FP2031	11 1/2"	2"	1 1/2" x 1 1/2"	10	Rockwell Drive Axle	2210D5360SW FQ2013 BP2031 T02-2015 BRB1058L ZGBG37-031 FB2015 FL18.811
R/H	FP2032						2210C5359SW FQ2014 BP2032 T02-2016 BRB1058R ZGBG37-032 FB2016 FL18.810
L/H	FP2021	11 5/8"	1 11/16"	1 1/2" x 1 1/2"	10	Eaton Truck Axle	41760 ZGBG37-021 BP2021 Eaton 70306 FL18.739 ITAL 385957C1
R/H	FP2022						41761 ZGBG37-022 BP2022 Eaton 70307 FL18.738 ITAL 385958C1
L/H	FP2013	11 9/32"	1 3/4"	1 1/2" x 1 1/2"	10	Rockwell Drive 'P' Series	2210X5354 ZGBG37-013 41014 ZWT2013 BP2013 FB2015 FL18.809
R/H	FP2014						2210W5353 ZGBG37-014 41015 ZWT2014 BP2014 FB2016 FL18.808

Section 4 - Camshafts



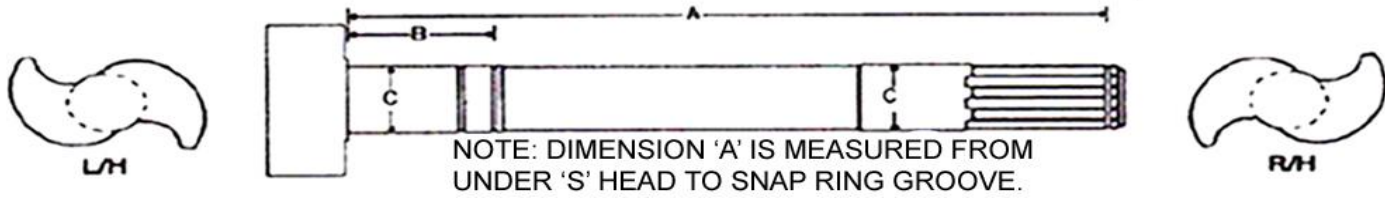
LEFT-RIGHT	PART NO#	A	B	C	SPLINE	DESCRIPTION	REPLACES
L/H	ZWT2041	16 1/2"	2 3/16"	1 1/2" x 1 1/2"	10	Rockwell 15" Axle 12 1/4" X 7" Brakes	BP2041 ZGBG37-041
R/H	ZWT2042						BP2042 ZGBG37-042
L/H	FP2017	19 1/2"	2 7/32"	1 5/8" x 1 1/2"	10	Eaton JE-501-L Axles Eaton 125034	BP2017 FB2039 FL17.635 Freighter 154-00931 T02-2039
R/H	FP2018					Eaton 125035	BP2018 FB2040 FL17.634 Freighter 154-00932 T02-2040
L/H	FP2003	20 3/8"	2 7/32"	1 1/2" x 1 1/2"	10	General Purpose	2210W2484 BP2003 BRB1108L FB2003 FL17.581
R/H	FP2004						FQ2003 Freighter154-00769 T02-2003 ZGBG37-003
L/H	FP2011	20 15/32"	1 13/16"	1 5/8" x 1 1/2"	10	Rockwell ARN ATN RL Models, Early Haulmark 2210W4183	BP2011 BRB1182L FB2011 FL17.633 Freighter 154-00892
R/H	FP2012					2210V4182	BP2012 BRB1182R BRB1182R FL17.632 Freighter 154-00891
L/H	ZWT2029	20 5/16"	2 7/32"	1 1/2" x 1 1/2"	10	15" Trailer Axle	BP2029 FB2013 FL17.683 T02-2013 Freighter 154-00864
R/H	ZWT2030						BP2030 FB2014 FL17.682 T02-2014 Freighter 154-00865
L/H	ZWT2035	20 7/16"	2 3/16"	42.5mm x 1 1/2"	10	Rubery Owen Rockwell (ROR)	BP2035 FB2049 ROR 21202755 T02-2045 ZGBG37-035
R/H	ZWT2036						BP2036 FB2050 ROR 21202754 T02-2046 ZGBG37-036

Section 4 - Camshafts



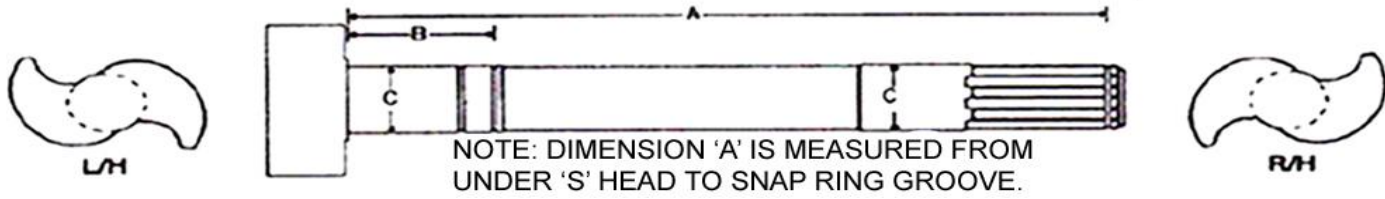
LEFT-RIGHT	PART NO#	A	B	C	SPLINE	DESCRIPTION	REPLACES
L/H	YK79504723/01L	20 11/16" 525mm	2 3/16"	1 1/2" x 1 1/2"	10	York 2782/2784/2682 Axles 420mm x 180mm Brake York 2800 Axle 420mm x 220mm Brake	
R/H	YK79504723/01R						
L/H	YK79790238/01L	20 11/16" 525mm	2 3/16"	1 1/2" x 1 1/2"	10	York 2950 Axles 335mm x 210mm Brake	
R/H	YK79790238/01R						
L/H	ZWT2025	21 1/8"	2 21/32"	1 1/2" x 1 1/2"	10	Freighter A19H Small Head	BP2025 FB2022 FL17.685 Freighter 154-30116 T02-2022
R/H	ZWT2026						BP2026 FB2023 FL17.684 Freighter 154-30117 T02-2023
L/H	ZWT2005	21 1/4"	2 1/2"	1 1/2" x 1 1/2"	10	Early Fruehauf I Beam & Round (No. 5) Axles	BP2005 ZGBG37-005 FB2005 FL17.583 Fruehauf 305680 T02-2005
R/H	ZWT2006						BP2006 ZGBG37-006 FB2006 FL17.582 Fruehauf 305681 T02-2006
L/H	FP2075	21 1/2"	2 21/32"	1 1/2" x 1 1/2"	10	Dana Low Loader	BP2085 BRB1155L
R/H	FP2076						BP2086 BRB1155R
L/H	FP2003F	23 1/2"	2 7/32"	1 1/2" x 1 1/2"	10	General Purpose with Air Bag Suspension	BRB1116L BP2043 FL17.587 Freighter 154-30125 WT2003F ZGBG37-043
R/H	FP2004F						BRB1116R BP2044 FL17.586 Freighter 154-30124 WT2004F ZGBG37-044

Section 4 - Camshafts



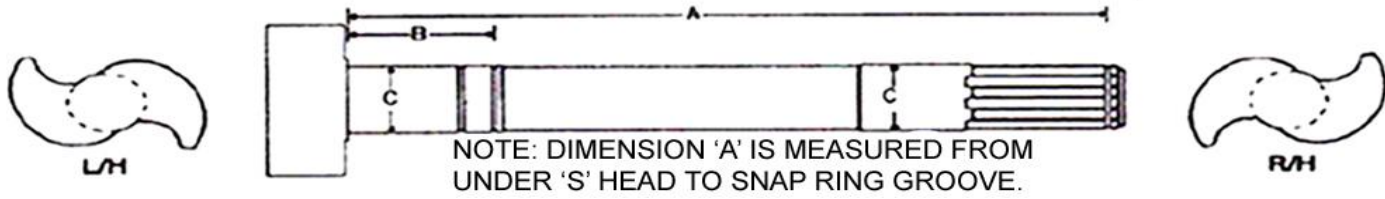
LEFT-RIGHT	PART NO#	A	B	C	SPLINE	DESCRIPTION	REPLACES
L/H	ZWT2009	23 1/2"	2 1/4"	1 1/2" x 1 1/2"	10	Ingersoll Axle 19.5" 15" Brakes	
R/H	ZWT2010						
L/H	FP2081	627MM 24 1/2"	2 3/16"	1 1/2" x 1 1/2"	10	York 2782/2784/2682 Axles York Axle - Air Bag 420mm x 180mm Brake	BP2039 IT2033 WT2081 YK79504723/17L ZGBG37-039
R/H	FP2082						BP2040 IT2034 WT2082 YK79504723/17R ZGBG37-040
L/H	YK79504723/17L	24 11/16" 622.3MM	2 3/16"	1 1/2" x 1 1/2"	10	York Axle - Air Bag York 2782/2784/2682 Axles 420mm x 180mm Brake	BP2039 FP2081 IT2033 WT2081 ZGBG37-039
R/H	YK79504723/17R						BP2040 FP2082 IT2034 WT2082 ZGBG37-040
L/H	YK79790238/19L	24 1/4" 616MM	2 3/16"	1 1/2" x 1 1/2"	10	York 2950 Axles 335mm x 210mm Brake	
R/H	YK79790238/19R						
L/H	ZWT2043	25 3/16"	2 3/16"	1 1/2" x 1 1/2"	10	Standard Forge 670mm Suit York/Dana Axles with Air Bag Suspension	BP2081
R/H	ZWT2044						BP2082
L/H	FP2015 0509705171	523mm O.A.L. 585mm		42mm	10	BPW Old Generation	BP2023 BPW 0509705171 FB2051 FL17.6651A IT2015
R/H	FP2016 0509705181	O.A.L. 585mm					BP2024 BPW 0509705181 FB2052 FL17.6652A IT2016

Section 4 - Camshafts



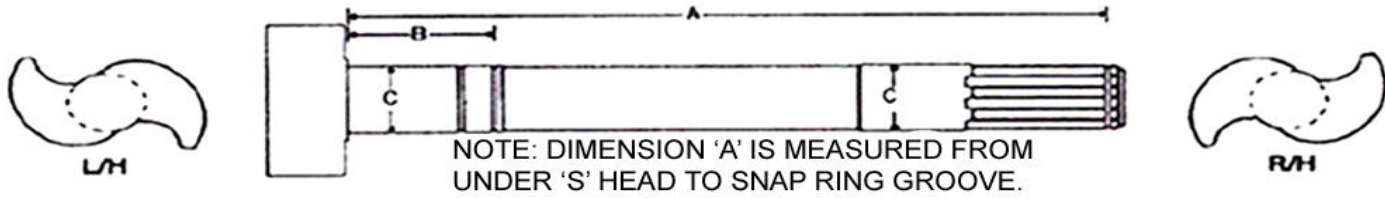
LEFT-RIGHT	PART NO#	A	B	C	SPLINE	DESCRIPTION	REPLACES
L/H	FP2023 0509705231	575mm O.A.L. 641mm		42mm	10	BPW New Generation Axles	BP2023 T02-2051 BPW 0509705231 FB2051 ZGBG37-023 FL17.6653A IT2023
R/H	FP2024 0509705241	O.A.L. 641mm					BP2024 T02-2052 BPW 0509705241 FB2052 ZGBG37-024 FL17.6654A IT2024
L/H	FP2039 0509705251	600mm O.A.L. 666mm		42mm	10	BPW New Generation Air Bag Suspension	BP7038 ZGBG37-047 BPW 0509705251 FB2059 IT3326 T02-2063
R/H	FP2040 0509705261	O.A.L. 666mm					BP7039 ZGBG37-048 BPW 0509705261 FB2060 IT3327 T02-2064

Section 4 - Camshafts



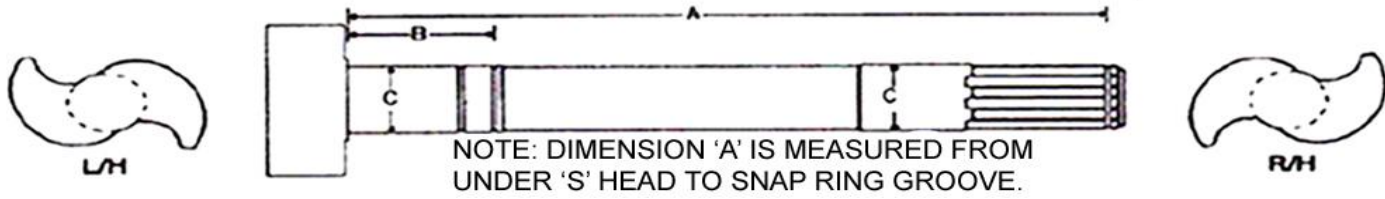
28 SPLINE S CAMS							
LEFT-RIGHT	PART NO#	A	B	C	SPLINE	DESCRIPTION	REPLACES
L/H	FP2061	9 1/4"	1 3/4"	1 1/2" x 1 1/2"	28	Mack Drive Axle	BP2061 IT2077 WT2077
R/H	FP2062						BP2062 IT2078 WT2078
L/H	AM2210Q7453	9 5/16"	1 3/4"	1 1/2" x 1 1/2"	28	Meritor 'Q' Plus Steer Kenworth Steer Axle	E-11527
R/H	AM2210P7452						E-11526
L/H	ZWT2095	10 15/16"	1 13/16"	1 1/2" x 1 1/2"	28	Rockwell	BP2091 Rockwell 2210T5324S
R/H	ZWT2096						BP2092 Rockwell 2210S5323S
L/H	ZWT2045	11"	2 5/16"	1 1/2" x 1 1/2"	28	Hendrickson Intraxx 'Q' Plus	HDS-24636-1L
R/H	ZWT2046						HDS-24636-1R
L/H	FP2033	11 1/2"	1 3/4"	1 1/2" x 1 1/2"	28	Rockwell Drive Axle	2210B5332SW T02-2047 BP2033 ZGBG37-033 BRB4024L FB2047 FL18.833
R/H	FP2034						2210A5331SW T02-2048 BP2034V ZGBG37-034 BRB4024R FB2048 FL18.832
L/H	FP2073	14 1/16"	1 3/4"	1 1/2" x 1 1/2"	28	Drive Axle Air Bag Suspension	BRB4044L FB2061 Rockwell 2210M5369
R/H	FP2074						BRB4044R FB2062 Rockwell 2210N5370

Section 4 - Camshafts



LEFT-RIGHT	PART NO#	A	B	C	SPLINE	DESCRIPTION	REPLACES
L/H	FP2083	14 1/8"	1 3/4"	1 1/2" x 1 1/2"	28	Meritor 'Q' Plus Drive	BP2073 ITB2-4044L Rockwell 2210J7628
R/H	FP2084						BP2074 ITB2-4044R Rockwell 2210H7626
L/H	FP2059	15 1/4"	1 3/4"	1 1/2" x 1 1/2"	28	Meritor 'Q' Plus Drive	BP2059 ITB2-4052L Rockwell 2210A7671
R/H	FP2060						BP2060 ITB2-4052R Rockwell 2210A7670
L/H	ZWT2071	17 3/8"	1 3/4"	1 5/8" x 1 1/2"	28	Rockwell TN4670	BP2077 BRB2000L Rockwell 2210M4329
R/H	ZWT2072						BP2078 BRB2000R Rockwell 2210L4328
L/H	FP2027	20 7/16"	1 3/4"	1 5/8" x 1 1/2"	28	Rockwell Trailer Axle	2210R4334 ZGBG37-027 BP2027 FB2027 FL17.629 T02-2043
R/H	FP2028						2210Q4333 ZGBG37-028 BP2028 FB2044 FL17.628 T02-2044
L/H	ZWT2087	23 1/2"	2 1/4"	1 1/2" x 1 1/2"	28	Ingersoll 19.5" Axle 15" Brakes	BP2087
R/H	ZWT2088						BP2088

Section 4 - Camshafts



37 SPLINE S CAMS							
LEFT- RIGHT	PART NO#	A	B	C	SPLINE	DESCRIPTION	REPLACES
L/H	FP2007	16 1/8"	2 1/8"	1 5/8" x 1 5/8"	37	Fruehauf Propar Axles using 16 1/2" x 7" & 12 1/2" x 8" Brakes	41527 Fruehauf AXA0420-1 BP2007 ZGBG37-007 BRB2050L FB2007 FL17.621
R/H	FP2008					SHORT	41528 Fruehauf AXA0420-2 BP2008 ZGBG37-008 BRB2050R FB2008 FL17.620
L/H	FP2001	21 1/8"	2 1/8"	1 5/8" x 1 5/8"	37	Fruehauf Propar Axles 16 1/2" x 7" & 16 1/2" x 8 5/8" Brakes	41512 Fruehauf AXA0420-3 BP2001 T02-2001 BRB2052L ZGBG37-001 FB2001 FL17.623
R/H	FP2002					LONG	41513 Fruehauf AXA0420-4 BP2002 T02-2002 BRB2052R ZGBG37-002 FB2002 FL17.622
L/H	ZATBP2045	21 1/8"	2 1/8"	1 5/8" x 1 5/8"	37	Fruehauf Propar Axles 12 1/4" x 8" Brakes	ACD2193-6 FL17-619 IT2025
R/H	ZATBP2046					Small Head	ACD2193-5 FL17-618 IT2026
L/H	FP2085	23 7/8"	2 1/8"	1 5/8" x 1 1/2"	37	Fruehauf Propar with Air Bag Suspension	BP2089 FL17.616 WT2085
R/H	FP2086						BP2090 FL17.617 WT2086


Section 5 - Camshaft Repair Kits

KIT NUMBER


CONTENTS

CAMSHAFT CIRCLIP & WASHER KITS (1 WHEEL)


OLD & NEW GENERATION BPW

0980100142 	1	x	0256160590	Circlip
	2	x	0256760100	Circlip
	1	x	0256792300	O Ring
	1	x	0312042020	Dust Seal
	1	x	0312043140	Dust Seal
	1	x	0326014080	Lock Nut
	1	x	0331012240	Washer
	1	x	0311244340	Ring
	1	x	0332011161	Disc
	1	x	0335030020	Clamp


OLD & NEW GENERATION BPW (REPLACEMENT)

0980100142R 	1	x	0256160590	Circlip
	2	x	0256760100R	Circlip
	1	x	0256792300R	O Ring
	1	x	0312042020	Dust Seal
	1	x	0312043140R	Dust Seal
	1	x	0326014080R	Lock Nut
	1	x	0331012240	Washer
	1	x	0311244340R	Ring
	1	x	0332011161	Disc
	1	x	0335030020	Clamp

1-1/2" CAMSHAFT GENERAL PURPOSE

FP3108 	2	x	FP29.1301	1-1/2" Circlip
	3	x	FP29.1308	Washer .060
	1	x	FP29.1319	D Washer


1-5/8" CAMSHAFT FRUEHAUF

FP3109 	1	x	FP29.1301	1-1/2" Circlip
	1	x	FP29.1302	1-5/8" Circlip
	1	x	FP29.1308	Washer .060
	3	x	FP29.1322	1-5/8" Washer .060


Section 5 - Camshaft Repair Kits

KIT NUMBER CONTENTS CAMSHAFT CIRCLIP & WASHER KITS (1 WHEEL)


1-1/2" CAMSHAFT FREIGHTER & ROCKWELL RN TN

FP3110 	2 5	x x	FP29.1301 FP29.1309	1-1/2" Circlip Washer .060
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1-5/8" CAMSHAFT ROCKWELL ARN ATN TN (LATE)

FP3111 	1 1 2 1 1	x x x x x	FP29.1302 FP29.1308 FP29.1312 FP34.1525 FP35.1580	1-5/8" Circlip Washer .060 1-5/8" Washer .060 1-1/4" Circlip A/Pin Washer 16 GA
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1-1/2" CAMSHAFT ROCKWELL DRIVE 28 SPLINE

FP3112 	1 4 2 1	x x x x	FP29.1319 FP29.1307 FP35.1580 RE1229D2942	Washer D 1 1/2" Cam Washer 2 1/4 x 1 17/32 x 21G Washer Anchor Pin 1 7/8 x 1 Circlip 3/32" (FP34.1525)
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MERITOR 16-1/2" Q PLUS CAMSHAFT

FP8015 	1 3 1 1	x x x x	FP29.1311 FP35.1580 RE1229D2942 RE1229N2250	Washer A/Pin Washer 16 GA Washer .060 1-5/8" Washer .060
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Section 5 - Camshaft Repair Kits

KIT NUMBER CONTENTS S CAM BUSH REPAIR KITS (1 AXLE)


BPW TRAILER AXLE 15", 19.5", 20" (REPAIR 2 CAMSHAFTS)

0509700KIT 	4	x	0237041900	Grease Nipple Cap
	4	x	0268021450	Grease Nipple
	2	x	0311244340	Bush Outer Bronze
	2	x	0311303060	Bush Flanged
	2	x	0311314040	Bush Spherical
	2	x	0312042080	Seal Dust Inner
	2	x	0312042090	Seal Dust Inner
	2	x	0322902180	Box Brg Outer
	2	x	0322902190	Box Brg Inner
	2	x	0980100142	Circlip & Washer Kit


ROCKWELL RN TRAILER AXLE 1-1/2" CAMSHAFT (1 CAMSHAFT)

FP28.1255 	1	x	FP28.1252	Outer Bushing
	1	x	FP28.1253	Inner Bushing
	1	x	FP29.1267	Seal
	1	x	FP29.1269	Seal Neoprene

DANA, INGERSOL, STANDARD FORGE 16-1/2" BRAKES

FP43.7032 	2	x	FP27.1195	Nylon Bushing
	2	x	FP28.1232	Nylon Bushing
	4	x	FP29.1269	Seal Neoprene
	4	x	FP29.1301	1-1/2" Circlip
	2	x	FP29.1307	Spacer .032
	2	x	FP29.1308	Washer .060
	2	x	FP29.1311	Washer .120


DANA, INGERSOL, STANDARD FORGE 12-1/4" BRAKES

FP43.7033 	2	x	FP27.1195	Nylon Bushing
	2	x	FP28.1232	Nylon Bushing
	4	x	FP29.1269	Seal Neoprene
	4	x	FP29.1301	1-1/2" Circlip
	2	x	FP29.1308	Washer .060
	2	x	FP29.1309	Washer .060
	2	x	FP29.1319	D Washer
	2	x	FP29.1326	Washer .094

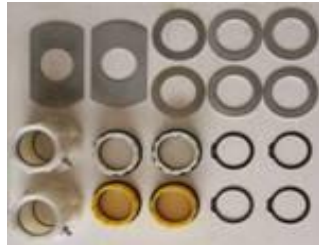
Section 5 - Camshaft Repair Kits

KIT NUMBER CONTENTS S CAM BUSH REPAIR KITS (1 AXLE)


ROCKWELL 'P' SERIES DRIVE AXLE

FP43.7034 	4	x	FP28.1233	Nylon Bushing
	4	x	FP29.1270	Seal
	2	x	FP29.1301	1-1/2" Circlip
	2	x	FP29.1307	Spacer .032
	2	x	FP29.1308	Washer .060
	2	x	FP29.1319	D Washer


GENERAL PURPOSE TRAILER 1-1/2" CAMSHAFTS

FP43.7036 	2	x	FP27.1200	Nylon Bushing
	2	x	FP28.1235K	Yellow Bushing
	4	x	FP29.1301	1-1/2" Circlip
	2	x	FP29.1307	Spacer .032
	4	x	FP29.1308	Washer .060
	2	x	FP29.1319	D Washer

ROCKWELL ATN, ARN, TN (LATE) 1-5/8" CAMSHAFTS

FP43.7037 	2	x	FP27.1197	Nylon Bushing
	2	x	FP27.1208	O Ring Seal
	2	x	FP28.1240	Outer Spider Bushing
	2	x	FP28.1241	Inner Spider Bushing
	2	x	FP29.1274	Grease Seal
	2	x	FP29.1275	O Ring Seal
	2	x	FP29.1302	1-5/8" Circlip
	2	x	FP29.1309	Washer .060
	4	x	FP29.1312	1-5/8" Washer .060
	2	x	FP34.1525	1-1/4" Circlip
	2	x	FP35.1580	A/Pin Washer 16 GA

FRUEHAUF PROPAR 1-5/8" CAMSHAFTS

FP43.7038 	2	x	FP27.1198	Nylon Bushing
	4	x	FP28.1237	Nylon Bushing
	2	x	FP29.1301	1-1/2" Circlip
	2	x	FP29.1302	1-5/8" Circlip
	2	x	FP29.1307	Spacer .032
	6	x	FP29.1322	1-5/8" Washer .060


Section 5 - Camshaft Repair Kits

KIT NUMBER


CONTENTS

S CAM BUSH REPAIR KITS (1 AXLE)


FRUEHAUF PROPAR 12-1/4" - 16-1/2" BRAKES ROUND BUSH

FP43.7039 	2	x	FP27.1194	Nylon Bushing
	4	x	FP28.1237	Nylon Bushing
	2	x	FP29.1301	1-1/2" Circlip
	2	x	FP29.1302	1-5/8" Circlip
	2	x	FP29.1307	Spacer .032
	6	x	FP29.1322	1-5/8" Washer .060


ROCKWELL RN, TN, FREIGHTER RN AXLES 1-1/2" CAMSHAFTS

FP43.7044 	2	x	FP27.1197	Nylon Bushing
	4	x	FP27.1208	O Ring Seal
	2	x	FP28.1252	Outer Bushing
	2	x	FP28.1253	Inner Bushing
	2	x	FP29.1267	Bushing Seal
	2	x	FP29.1269	Seal Neoprene
	4	x	FP29.1301	1-1/2" Circlip
	8	x	FP29.1309	Washer .060
	2	x	RE1229Q2851	Circlip

MERITOR 16-1/2" Q PLUS

FP8042 	2	x	FP27.1208	O Ring 1-1/2"
	4	x	FP28.1233	Bush
	4	x	FP29.1270	Seal Camshaft
	2	x	FP29.1311	Washer
	2	x	FP34.1525	Circlip 3/64"
	6	x	FP35.1580	Washer
	2	x	RE1229D2942	Circlip 3/32"
	2	x	RE1229N2250	Washer

R.O.R. METRIC

FP9015 	2	x	21204850	Boot Small (Spherical Brg)
	2	x	21205639	Sealing Strip
	2	x	21205667	Boot Short (Spherical Brg)
	2	x	21213253	Boot Large (Spherical Brg)
	2	x	99505001	Clip (Small)
	2	x	99505002	Clip (Large)

Section 6 - Camshaft Components

FPA No.	Description	Application	Alternate No.
 0262018201	Split Pin Size 8 x 56mm	BPW	IT3389
 0262018303	Split Pin Size 8 x 71mm Use with 0323213010	BPW Low Loader Axle	BP3428 BPW 0262018303 IT4055 Transparts 01900848 WT3428
 0262018401	Split Pin Size 8 x 63mm	BPW	IT4054
 0262020401	Split Pin Size 10 x 90mm	BPW Old Generation	BP3408 BPW 0262020401 FL34.8042A IT3408 T02-7505 Transparts 019012756 WT3408
 0262016603	Split Pin Size 6.3 x 94mm	BPW New Generation	BP3431 BPW 0262016603 FL34.8047A IT3431 T02-7508 Transparts 019009522 WT3431

Section 6 - Camshaft Components

FPA No.	Description	Application	Alternate No.
 0300108050	Split Pin Size 12 x 100mm	BPW	IT3457
 0308454010	Cam Roller Shaft Suit Aluminium Shoes O.D. 24mm Length 79mm	BPW Old Generation	BPW 0308454010 IT3413 Transparts 019004456 WT3415
 0308455110	Cam Roller Shaft Suit Steel Shoes O.D. 25mm Length 77mm	BPW Old Generation	BPW 0308455110 Transparts 019012783 WT3411
 0308475240	Roller Shaft I.D. 26mm Length 58.5mm	BPW Brake 95	BPW 0308475240 IT3154 WT3442 BP7073
 0311200620	Cam Roller Bush I.D. 26mm O.D. 29mm Length 25mm	BPW Brake 95	BPW 0311200620 IT3153 WT3443 BP7068

Section 6 - Camshaft Components

FPA No.	Description	Application	Alternate No.
 <p>0311444030</p>	<p>Cam Roller Retainer</p> <p>Suit Steel Shoes</p> <p>Use with 0308455110 & 0320034020</p>	BPW Old Generation	<p>BP3410</p> <p>BPW 0311444030</p> <p>FB3218</p> <p>FL34.8039A</p> <p>IT3410</p> <p>Transparts 019012795</p> <p>WT3410</p>
 <p>0320034020R</p>	<p>Cam Roller Bush</p> <p>Suit Steel Shoes</p> <p>I.D. 25mm O.D. 35 - 42mm Length 51mm</p>	<p>BPW Old Generation</p> <p>Used With WT3412 O'ring And WT3411 Shaft</p>	<p>BPW 0320034020</p> <p>Transparts 019012806</p> <p>WT3413</p>
 <p>0320064010</p>	<p>Cam Roller Bush</p> <p>Suit Aluminium Shoes</p> <p>I.D. 24mm O.D. 42mm Length 30mm</p>	BPW Old Generation	<p>BPW 0320064010</p> <p>IT3414</p> <p>Transparts 019006323</p> <p>WT3414</p>
 <p>0323213010</p>	<p>Cam Roller Retainer</p> <p>O.D. 22mm I.D. 32mm Length 60mm</p> <p>Use with 0333134010</p>	BPW Low Loader Axles	<p>BP3427</p> <p>BPW 0323213010</p> <p>Transparts 019008087</p> <p>WT3427</p>
 <p>0323213020</p>	<p>Cam Roller Retainer</p> <p>I.D. 32mm</p> <p>2 per Shoe</p> <p>Non Genuine 0323213020R</p>	BPW Old Generation	<p>BP3407</p> <p>BPW 0323213020</p> <p>FL34.8041A</p> <p>IT3407</p> <p>T02-3434</p> <p>Transparts 019008000</p> <p>WT3407</p>




Section 6 - Camshaft Components

FPA No.	Description	Application	Alternate No.
 0331070150	Roller Retainer Ring O.D. 31mm I.D. 24mm Thickness 3.5mm	BPW Brake 95	BPW 0331070150 IT3156 WT3444 BP7072
 0333134010	Cam Roller O.D. 22mm O.D. 42mm Length 59mm	BPW Low Loader Axles	BP3426 BPW 0333134010 FL32.7907A Transparts 019008075 WT3426
 0333134020	Cam Roller O.D. 32mm O.D. 37mm O.D. 42mm Length 78mm	BPW Old Generation	BP3406 BPW 0333134020 FL34.7904A IT3406 T02-3433 Transparts 019008063 WT3406
 0333134050	Cam Roller O.D. 26mm O.D. 37mm O.D. 42mm Length 78mm	BPW New Generation	BP3429 BPW 0333134050 FL32.7908A IT3429 T02-3435 Transparts 019009507 WT3429
 0335000130	Cam Roller Wire Retainer Size 35mm	BPW New Generation	BP3430 BPW 0335000130 FL34.8046A IT3430 T02-3436 Transparts 019009510 WT3430

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FPA No.	Description	Application	Alternate No.
 0533144020	Roller Includes bush O.D. 45mm I.D. 26mm Length 33.5mm	BPW Brake 95	BPW 0533144020 IT3152 WT3441 BP7069
 0533184010R	Cam Roller Kit Suit Steel Shoes Includes: 1-0311444030 Retainer 1-0308455110 Shaft 2-ZWT3412 O Ring 1-0320034020 Bush	BPW Old Generation	BPW 0533184010 IT3409 T02-3430 Transparts 019012833 WT3409
 FP32.1425	Cam Roller STD Smooth O.D. 1-1/4" - 3/4" Length 2-1/4 - 1 5/16"	General Purpose	BP3403S FB3403S FL32.1425 IT32.1425 WT3403S
 FP32.1426	Cam Roller 1/8" Oversize Smooth O.D. 1-3/8" - 3/4" Length 2-1/4 - 1-5/16"	General Purpose	FB3404 IT32.1426 RE1779C81 WT3404S
 FP32.1427	Cam Roller 1/4" Oversize Smooth O.D. 1-1/2" - 3/4" Length 2-1/4 - 1-5/16"	General Purpose	FB3405 IT32.1427 RE1779D82 WT3405S

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FPA No.	Description	Application	Alternate No.
 <p>FP32.1428</p>	<p>Cam Roller STD Knurled</p> <p>O.D. 1-1/4" - 3/4" Length 2-1/4 - 1-5/16"</p>	General Purpose	<p>BP3403 FB3403 FL32.1428 Freighter 154-00805 Fruehauf 330733-1 IT32.1428 Rockwell 1779R18 Standard Forge 204101-001 WT3403</p>
 <p>FP32.1428A</p>	<p>Cam Roller 1/8" O.S. Knurled</p> <p>O.D. 1-3/8" - 3/4" Length 2-1/4 - 1-5/16"</p>	General Purpose	<p>BP3404 FB3404 FL32.1428.125 Freighter 154-00837 Fruehauf 330733-2 IT32.1428A Rockwell 1779C81 WT3404</p>
 <p>FP32.1428B</p>	<p>Cam Roller 1/4" O.S. Knurled</p> <p>O.D. 1-1/2" - 3/4" Length 2-1/4 - 1-5/16"</p>	General Purpose	<p>BP3405 FB3405 FL32.1428.250 Freighter 154-00838 Fruehauf 330733-3 IT32.1428B Rockwell 1779D82 Standard Forge 205105 WT3405</p>
 <p>FP32.1435</p>	<p>Roller</p> <p>O.D. 1-1/4" I.D. 3/4" Length 1"</p>	Dana Low Loader Axle 12-1/4" Brakes	<p>FB7001 FL32.1435 WT3436</p>
 <p>FP32.1440</p>	<p>Cam Roller Shaft</p> <p>O.D. 3/4" Length 2-1/4"</p>	Dana Low Loader Axle 12-1/4" Brakes	<p>FB3409 FL32.1440 T02-3409 WT3434</p>






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FPA No.	Description	Application	Alternate No.
 FP32.1441	Cam Roller I.D. 15/16" O.D. 1-5/8" Length 25/32"	Eaton Axles	BP3425 Eaton 39074 FB3422 Freightler 154-00927 IT32.1441 ITAL 142917R1 T02-3422 WT3421
 FP32.1441A	Cam Roller 1/8" Oversize I.D. 15/16" O.D. 1-3/4" Length 25/32"	Eaton Axles	FB3418 IT32.1441A WT3422
 FP32.1441B	Cam Roller 1/4" Oversize I.D. 15/16" O.D. 1-7/8" Length 25/32"	Eaton Axles	WT3422B
 FP32.1442	Cam Roller Shaft O.D. 15/16" - 13/16" Length 2-5/32"	Eaton Axles	BP3420 Eaton 39075 FB3407 FL32.1442 Freightler 154-00928 IT32.1442 ITAL 142918R1 T02-3407 WT3420
 FP32.1445	Cam Roller I.D. 3/4" O.D. 1-1/2" L.G. 1-3/8"		BP3432 FB3424 FL32.1445 Freightler 154-30109 Stanard Forge 204108-001 T02-3424 WT3432






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FPA No.	Description	Application	Alternate No.
 <p>FP32.1446</p>	<p>Cam Roller Shaft</p> <p>O.D. 3/4" Length 2-9/32"</p> <p>Use with FP32.1526 Circlip</p>		<p>BP3433 FB3425 FL32.1446 Freighter 154-30110 Standard Forge 205107-001 T02-3425 WT3433</p>
 <p>FP32.1449</p>	<p>Cam Roller Bush</p> <p>I.D. 3/4" O.D. 1-1/2" Length 7/8"</p>	Eaton Axles	<p>Eaton B-1969 Freighter 154-00886 IT32.1449 WT3424</p>
 <p>FP32.1450</p>	<p>Cam Roller Shaft</p> <p>O.D 3/4" Length 1-29/32"</p> <p>Use with FP34.1526 Circlip</p>	Eaton Axles	<p>Eaton B-2081 Freighter 154-00887 WT3423</p>
 <p>FP32.1526</p>	<p>Lock Ring</p> <p>Suit 3/4" Pin</p> <p>Use with FP32.1450</p>		<p>Eaton B-1661 Freighter 154-00888 IT34.1526 Rockwell 1229M1105 WT3425</p>
 <p>FP34.1429</p>	<p>Cam Roller</p> <p>O.D. 1-1/2" - 3/4" Length 1-31/32 x 7/8"</p>	Eaton 'E34' 12-1/4" Axles	<p>BP3419 Eaton B-2011 FB3419 FL34.1429 Freighter 154-00861 WT3419</p>

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FPA No.	Description	Application	Alternate No.
 FP34.1529	Cam Roller Retainer	General Purpose P Type Brakes	BP3401 FB3401 FL34.1529 Fruehauf 330734 IT34.1549 T02-3401 WT3401
 FP34.1530	Cam Roller Retainer	Fruehauf Propar 16-1/2" Brakes	BP3402 FB3402 FL34.1530 Fruehauf AXA 0471-1 IT34.1530 WT3402
 FP34.1532	Cam Roller Retainer	Rockwell 'Q' Series Brake Shoes	BP3418 FL34.1532 IT34.1532 Rockwell 3105B210 Rockwell 3105L195 Rockwell 3105R210 T02-3397 WT3418
 FP34.1540	Lock Screw Size 1/4"-20 x 3/8" Use with FP32.1440 Cam Roller Shaft	Dana Low Loader Axle 12-1/4" Brakes	FL34.1540 IT34.1510 T02-3170 WT3435
 FP3415	Cam Roller Retainer Kit Bolt On General Purpose Kit contains parts for 2 shoes	General Purpose	BP3417 FB3415 IT3415 T02-3415 WT3417

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FPA No.	Description	Application	Alternate No.
 ZWT3400	Cam Roller O.D. 1" & 3/4" Length 2-1/4" & 1-1/4"	Fruehauf 12-1/4" Brakes	WT3400
 ZWT3412	Cam Roller O Ring Suit Steel Shoes I.D. 21mm Thickness 2mm	BPW Old Generation	FL34.8040A Transparts 019012744 BP3412
 0256032490	Cam Roller Circlip Use with 0308454010	BPW Old Generation	BPW 0256032490 FL34.8043A IT3416 Transparts 019002945 WT3416
 0256160590	Snap Ring Camshaft I.D. 34mm O.D. 40mm	BPW	BP3142 BPW 0256160590 IT3124 T02-3158 WT3142
 0256760100	Circlip I.D. 42mm Thickness 2.5mm	BPW	BP3124 BPW 0256760100 FB3153 T02-3153 WT3124

Section 6 - Camshaft Components

FPA No.	Description	Application	Alternate No.
 0256773742	O Ring I.D. 37mm Thickness: 2.6mm	BPW Axle	BP3012 BPW 0256773742 FL29.7651A T02-3162 Transparts 019003288 WT3012
 0256792300	O Ring Green I.D. 42mm O.D. 44mm Thickness 2mm	BPW	BP3140 BPW 0256792300 FB3164 FL29.7660A T02-3164 WT3140
 03.1950.1	Enclosed Cam Tube Bush I.D. 1-1/2" O.D. 1-5/8" Length 1-1/2"	USE FP06115	Same as FP06115 Freighter 161-06115
 03.2119.5	Camshaft Bush Steel I.D. 1-1/2" O.D. 1-7/8" x 2" Length: 1-3/4"	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	WT2265
 03.2200.5	Camshaft Bush Steel Suit worn Anchor Bracket I.D. 1-1/2" O.D. 1-7/8" Length 2"	General Purpose	03.2200.5 BP2262 FL28.7556A GT2262






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FPA No.	Description	Application	Alternate No.
 03.2200.9	Camshaft Bush Bronze Suit worn Anchor Bracket I.D. 1-1/2" O.D. 1-7/8" Length 2"	General Purpose NLA use 03.2200.5	03.2200.9 BP2282 GT2282
 03.2203.2	Camshaft Bush Nylon Suit worn Anchor Bracket I.D. 1-5/8" O.D. 2" Length 2"	Fruehauf Propar Axle	03.2203.2 BP2214 FB2209 WT2214
 03.2203.5	Camshaft Bush Steel Suit worn Anchor Bracket I.D. 1-5/8" O.D. 2" Length 2" 1 Piece alternative to 2 piece FP28.1237	Fruehauf Propar Axle Plated Steel Version of 03.2203.0 Includes: 2 'O' Rings and 1 Lock Ring	03.2203.5 BP2263 GT2263
 03.2203.9	Camshaft Bush Bronze Suit worn Anchor Bracket I.D. 1-5/8" O.D. 2" Length 2"	Fruehauf Propar Axle NLA use 03.2203.5	03.2203.9 BP2283 GT2283
 03.2204.5	Camshaft Bush Bronze I.D. 1-1/2" O.D. 1-7/8" Length 1-15/16"	For Dana, Rockwell, Freighter TN and Std Forge; Spline-End and Spider Bushing Plated "Flanged" Steel 1 7/8" O Ring Version of 03.2204.0 Includes: 2 O Rings	

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FPA No.	Description	Application	Alternate No.
 03.2204.7	Camshaft Bush Sintered Bronze version of 03.2204.0 I.D. 1-1/2" O.D. 1-7/8" Length 1-1/2"	For Dana, Rockwell, Freightor TN and Std Forge; Spline-End and Spider Bushing Use with 2 Seals 03.2402.0 to give 1 7/8" Overall LGH or 2 Seals 03.2403.0 to give 2" Overall Length	
 03.2206.5	Camshaft Bush I.D. 1-1/2" O.D. 1-7/8" Length 1-9/16"	For Rockwell RL,RN&RQ Pre-121, (Freightor RN); Spider Bushing Plated "Flanged" Steel, O Ring Version of Outer 03.2205.0 and Inner 03.2206.0 Includes: 2 O Rings	Use 03.2238.5 for worn brackets. Same as 03.2206.5 but with 2" outside diameter.
 03.2208.5	Spider Bushing I.D. 1-5/8" O.D. 2" Length 1-9/16"	Rockwell 4000 & 6000 Series, (Freightor ARN & ATN); Plated "Flanged" Steel, O Ring Version of Outer 03.2207.0 and Inner 03.2208.0 Includes 2 O Rings	
 03.2208.8	Spider Bushing I.D. 1-5/8" O.D. 2" Length 1-1/2"	Rockwell 4000 & 6000 Series, (Freightor ARN & ATN); Sintered Bronze, O Ring, Version of Outer 03.2207.0 and Inner Inner 03.2208.0 Includes: 2 O Rings	
 03.2209.5	Camshaft Bush Steel I.D. 1-1/2" O.D. 1-7/8" x 2" Length 1-1/2"	Eaton, Mack, & Rockwell Front & 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	WT2264

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FPA No.	Description	Application	Alternate No.
 03.2214.7	Camshaft Bush Sintered Bronze version of 03.2214.0 I.D. 1-1/2" O.D. 1-7/8" Length: 2"	Dana and Std. Forge Trailer Axles Spline End and Spider Bushing	FP28.1258
 0311244340	Camshaft Bush Slotted Bronze I.D. 42mm O.D. 46mm Length: 73.5mm Non Genuine 0311244340R	BPW Axle	BP2111 BPW 0311244340 FB2217 FL28.7555A IT2111 T02-2217 Transpec 019005143 WT2111
 0311314030	Camshaft Bush Spherical Inner Plastic I.D. 42mm O.D. 60mm Length: 38mm	BPW Axle	BPW 0311314030 WT2210P
 0311314030R	Camshaft Bush Spherical Inner Plastic I.D. 42mm O.D. 60mm Length: 38mm	BPW Axle	BPW 0311314030 WT2210P
 0311314040	Camshaft Bush Spherical Inner Metal I.D. 42mm O.D. 60mm Length: 38mm	BPW Axle Can use 0311314030R, plastic equivalent	BP2210 FB3155 FL27.7452A IT2210 T02-3155 Transparts 019005217 WT2210


Section 6 - Camshaft Components

FPA No.	Description	Application	Alternate No.
 0312042020	Camshaft Seal I.D. 42mm O.D. 56mm Thickness 2mm	BPW Axle	BP3126 BPW 0312042020 FB3167 FL29.7654A IT3126 T02-3167 Transparts 019005446 WT3126
 0312043010	Camshaft Cover Rubber	BPW Axle	BP3130 BPW 0312043010 FB3154 FL29.7658A IT3130 Transparts 019005485 WT3130
 0322902180	Camshaft Bush Bracket Outside Half I.D. 44mm O.D. 120mm Uses bush 0311314040 or 0311314030	BPW Axle	BP3011 BPW 0322902030 FL30.7753A T02-3015 Transparts 019006591 WT3011
 0322902190	Camshaft Bush Bracket Inside Half I.D. 44mm O.D. 120mm Uses bush 0311314040 or 0311314030	BPW Axle	BP3010 BPW 0322902100 FL30.7752A T02-3014 Transparts 019006591 WT3010
 0326014080	Camshaft Locknut 22mm X 1.5mm	BPW Axle	BP3129 BPW 0326014080 FB3166 FL29.7657A IT3129 T02-3166 Transparts 019002577 WT3129

Section 6 - Camshaft Components

FPA No.	Description	Application	Alternate No.
 0331032090	Spacer Washer I.D. 42mm O.D. 55mm Thickness 3mm	BPW Axle	BP3125 BPW 0331032090 FB3156 FL29.7653A IT T02-3156 Transparts 019007705 WT3125
 0331081020	Spacer Ring White Plastic I.D. 42mm O.D. 46mm Thickness 4mm	BPW Axle	BP3139 BPW 0331081020 FB3165 IT3139 T02-3165 WT3139
 0332011100	Camshaft Disc I.D. 22mm O.D. 42mm Thickness 4mm	BPW Axle	BP3141 BPW 0332011100 IT3141 T02-3188 WT3141
 0332013020R	Camshaft Washer I.D. 23mm O.D. 60mm	BPW Axle	BP3128 BPW 0332013020 FB3159 FL29.7656A T02-3159 Transparts 019007910 WT3128
 0335030020	Camshaft Clamp Use with 0312043140	BPW Axle	BP3131 BPW 0335030020 IT3131 T02-3601 Transparts 019001640 WT3131

Section 6 - Camshaft Components

FPA No.	Description	Application	Alternate No.
 0338007020R	Camshaft Washer I.D. 46mm O.D. 70mm Thickness 4mm	BPW Axle	BP3127 BPW 0338007020 FB3163 FL29.7655A T02-3163 Transparts 019008517 WT3127
 FP06115	Enclosed Cam Tube Bush I.D. 1-1/2" O.D. 1-5/8" Length 1-1/2"		03.1950.1 Freighter 161-06115
 FP27.1191	Camshaft Bush I.D. 1-1/2" O.D. 2-15/32" Length 1-1/2"	Dana Axle	BP2216 Dana 10055 FL27.1191 T02-2218 WT2216
 FP27.1194	Camshaft Bush I.D. 1-5/8" O.D. 2-1/2" Length: 1-1/2"	Fruehauf Propar Axle Optional Spherical Bush	BP2103 FB2103 FL27.1194 Fruehauf ACD 2285-900 IT27.1194 T02-2103 WT2103
 FP27.1195	Camshaft Bush I.D. 1-1/2" O.D. 2-7/16" Length: 1-3/4"	Standard Forge, Dana, Ingersoll Axles	BP2107 FB2107 FL27.1195 IT27.1195 Standard Forge 405128 Standard Forge 405999 WT2107

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FPA No.	Description	Application	Alternate No.
 FP27.1196	Camshaft Bush I.D. 1-1/2" O.D. 2-3/4" Length: 2-1/2"	Eaton JE-501, Freighter Axles	BP2109 Eaton 1002262 FB2109 FL27.1196 Freighter 154-00934 IT27.1196 T02-2106 WT2109
 FP27.1197	Camshaft Bush I.D. 1-1/2" O.D. 2-1/8" Length: 1"	Rockwell RN, ARN, TN, ATN Axles	BP3006 FB3006 FL27.1197 Freighter 154-00835 IT27.1197 Rockwell 1225P640 T02-3006 WT3006
 FP27.1198	Camshaft Bush I.D. 1-5/8" O.D. 2-7/8" Length: 2-1/2"	Fruehauf Propar Axle	BP2102 FB2102 FL27.1198 Fruehauf AXA0429-900 IT27.1198 T02-2102 WT2102
 FP27.1199	Camshaft Bush I.D. 1-1/2" O.D. 2-3/4" Length: 2"	Eaton E34 & JE-07 Axles	BP2110 Eaton B-2028A FL27.1199 Freighter 154-00867 WT2110
 FP27.1200	Camshaft Bush I.D. 1-1/2" O.D. 2-3/4" Length: 2-1/2"	Freighter MK V Rubery Owen Fruehauf I Beam & Round Axles	154-00482 (Freighter) 515 150 (Fruehauf) 6585 (Rubery Owen) BP2101 FB2101 FL27.1200 IT27.1200 RE3299G1541 T02-2101 WT2101

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FPA No.	Description	Application	Alternate No.
 <p>FP27.1208</p>	<p>O Ring Cam Support Bracket</p> <p>I.D. 1-1/2" O.D. 1-29/32"</p> <p>Use with FP27.1197</p>	<p>Rockwell RN, ARN, TN, ATN Axles</p>	<p>BP3007 FL27.1208 Freighter 154-00828 IT27.1208 Rockwell 1205X726 T02-3007 WT3007</p>
 <p>FP28.1231</p>	<p>Camshaft Bush Optional Bronze Bush</p> <p>I.D. 1-1/2" O.D. 1-7/8" Length: 1-1/2"</p> <p>Replaces FP28.1232</p>	<p>Standard Forge & Freighter Axles</p>	<p>BP2208B Dana 16032 FB2208 FL28.1231 IT28.1231 Standard Forge 405129 WT2208B</p>
 <p>FP28.1232</p>	<p>Camshaft Bush Nylon</p> <p>I.D. 1-1/2" O.D. 1-7/8" Length: 1-1/2"</p> <p>Will replace FP28.1252 & FP28.1253</p>	<p>Standard Forge & Freighter Axles</p>	<p>BP2208 FB2104 FL28.1232 Freighter 154-00834 IT28.1232 Standard Forge 405129 T02-2104 WT2208</p>
 <p>FP28.1233</p>	<p>Camshaft Bush Pink</p> <p>I.D. 1-1/2" O.D. 1-7/8" Length: 1-3/16"</p>	<p>Rockwell, Freighter, Eaton & Mack Axles</p>	<p>BP2209 Eaton 68439 FB3149 FL28.1233 Freighter 154-00854 IT28.1233 122407R1 Rockwell 1225L1208 Rockwell 1225N378 T02-3149 WT2209</p>
 <p>FP28.1234</p>	<p>Camshaft Bush Optional Bronze Sintered Bush</p> <p>I.D. 1-1/2" O.D. 1-7/8" Length: 1-3/16"</p> <p>Replaces FP28.1233</p>	<p>Rockwell, Freighter, Eaton & Mack Axles</p>	<p>BP2209B FB3152 FL28.1234 IT28.1234 Rockwell 1225X336 WT2209B</p>

Section 6 - Camshaft Components

FPA No.	Description	Application	Alternate No.
 (Yellow) plus (White) FP28.1235K	Camshaft Bushes Nylon I.D. 1-1/2" O.D. 1-7/8" Length: 7/8" O Rings to suit: Inner: FP27.1202 Outer: FP27.1203	Freighter MK5, Haulmark, McGrath, R.O.R, Fruehauf Round and I-Beam Yellow - Inboard side White - Outboard side	03.2202.0 FB2201 FB2202 FQ2201 FQ2202 Rockwell A1225V420 Rockwell A1225V438 WT2201 WT2202
 FP28.1237	Camshaft Bush O Rings Included I.D. 1-5/8" O.D. 2" Length: 7/8" O Rings to suit: FP27.1205 Inner FP27.1204 Outer	Fruehauf Propar Axle 2 Per Spider	FB2203 FL28.1237 Fruehauf AXA0419-900 IT28.1237 WT2203
 FP28.1238	Camshaft Bush I.D. 1-5/8" O.D. 2" Length: 1-1/4"	Eaton JE 501 Freighter Axles	BP2211 Eaton 1008412 FB3151 FL28.1238 Freighter 154-00924 IT28.1238 T02-3151 WT2211
 FP28.1240	Camshaft Bush Outer I.D. 1-5/8" O.D. 2" Length 1-5/16"	Rockwell ARN, ATN, RL Axles	BP3119 FB3119 FL28.1240 Freighter 154-00897 IT28.1240 Rockwell 1225A833 T02-3119 WT3119
 FP28.1241	Camshaft Bush Inner I.D. 1-5/8" O.D. 1-7/8" Length 1-1/8"	Rockwell ARN, ATN, RL Axles	BP3120 FB3120 FL28.1241 Freighter 154-00896 IT28.1241 Rockwell 1225B834 T02-3120 WT3120

Section 6 - Camshaft Components

FPA No.	Description	Application	Alternate No.
 FP28.1252	Camshaft Bush Outer I.D. 1-3/4" O.D. 1-7/8" Length: 1-1/2"	Rockwell RN Axles	BP3114 FB3114 FL28.1252 Freighter 154-00815 IT28.1252 Rockwell 1225G631 T02-3114 WT3114
 FP28.1253	Camshaft Bush Inner I.D. 1-1/2" O.D. 1-3/4" Length: 1-1/8"	Rockwell RN Axles	BP3115 FB3115 Freighter 154-00816 IT28.1253 Rockwell 1225J634 T02-3115 WT3115
 FP28.1257	Camshaft Bush I.D. 1-1/2" O.D. 1-7/8" Length: 2"	Standard Forge, York Axles	BP2104 FB2104 FL28.1257 IT28.1257 Standard Forge 405109 T02-2108 WT2104
 FP28.1259	Camshaft Bush Bronze I.D. 43mm O.D. 48mm Length 50mm	R.O.R Metric Axle	BP2215 IT28.1259 R.O.R. 21209990 WT2215
 FP29.1266	Camshaft Seal I.D. 1-1/2" x 1/4" O.D. 1-7/8"	Eaton E34 and JE07 Axles	BP3133 Eaton 40864 Eaton B-1736-1 Freighter 154-00855 IT29.1266 WT3133

Section 6 - Camshaft Components

FPA No.	Description	Application	Alternate No.
 FP29.1267	Camshaft Seal I.D. 1-1/2" x 1/8" O.D. 1-3/4"	Rockwell RN Axles	BP3113 FB3113 FL29.1267 Freighter 154-00826 IT29.1267 Rockwell 1205N924 T02-3113 WT3113
 FP29.1269	Camshaft Seal I.D. 1-1/2" O.D. 1-7/8" Thickness 3/16"	Rockwell TN and Standard Forge Axles	BP3122 FB3122 FL29.1269 Freighter 154-00826 IT29.1269 Rockwell 1205M1105 Standard Forge 408101 T02-3122 WT3122
 FP29.1270	Camshaft Seal I.D. 1-1/2" O.D. 2-1/16" Thickness 1/4"	Rockwell and Eaton Axles	BP3123 Eaton B-1662-1 FB3141 FL29.1270 IT29.1270 Rockwell A1205V1556 T02-3123 WT3123 ZCR14863 Steel Back
 FP29.1274	Camshaft Seal Used on Camhead side I.D. 1-5/8" O.D. 2" Thickness 3/16"	Rockwell ARN, ATN, RL Axles	BP3118 FB3118 FL29.1274 Freighter 154-00890 IT29.1274 Rockwell 1205U1451 WT3118
 FP29.1275	Camshaft Seal I.D. 1-5/8" O.D. 1-7/8" Thickness 1/8"	Rockwell ARN, ATN, RL Axles	BP3121 FB3121 FL29.1275 Freighter 154-00895 IT29.1275 Rockwell 1205V1452 T02-3121 WT3121

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FPA No.	Description	Application	Alternate No.
 FP29.1301	Circlip Used on 1-1/2" Camshafts	Fruehauf, Freighter, Rockwell, Rubery Owen Axles	BP3107 FB3107 FL29.1301 Freighter 154-00827 Fruehauf 219160 IT29.1301 Rockwell 1229Z1118 Rubery Owen 0006 T02-3107 WT3107
 FP29.1302	Circlip Used on 1-5/8" Camshafts	Fruehauf, Freighter, Rockwell Axles	BP3100 FB3100 FL29.1302 Freighter 154-00893 Fruehauf AXA 0418-1 IT29.1302 Rockwell 1229A1119 T02-3100 WT3100
 FP29.1303	Camshaft Lock Ring Superceded by 804017	Eaton Drive and Front Axles	BP3137 Eaton 804017 FL29.1303 IT29.1303 WT3137
 FP29.1307	Spacer Washer Used on 1-1/2" Camshafts I.D. 1-17/32" O.D. 2-1/4" Thick: 1/32"	Fruehauf, Freighter, Rockwell, Rubery Owen Axles	BP3103 FB3103 FL29.1307 Freighter 154-00841 Fruehauf 219292 IT29.1307 Rockwell 1229Q771 Rubery Owen 6627 WT3103
 FP29.1308	Spacer Washer Used on 1-1/2" Camshafts I.D. 1-17/32" O.D. 2-1/4" Thick: 1/16"	Fruehauf, Freighter, Rockwell, Rubery Owen Axles	1229G2971 AXA0432-1 BP3102 Eaton 43943 FL29.1308 Freighter 154-00840 Fruehauf 219293 & IT29.1308 Rockwell 1229R122 Rubery Owen 6624 T02-3102 WT3102

Section 6 - Camshaft Components

FPA No.	Description	Application	Alternate No.
 FP29.1309	Spacer Washer I.D. 1-1/2" O.D. 1-3/4" Thickness 1/16"	General Purpose	BP3112 FB3112 FL29.1309 Freighter 154-00842 IT29.1309 Rockwell 1229J868 Standard Forge 403107 T02-3112 WT3112
 FP29.1311	Spacer Washer Used on 1-1/2" Camshafts I.D. 1-9/16" O.D. 2-7/16" Thick: 1/8"	Standard Forge	BP3104 FB3123 Freighter 154-30122 IT29.1311 Standard Forge VB 5015 T02-3123 WT3104
 FP29.1312	Spacer Washer I.D. 1-5/8" O.D. 2" Thickness 1/16"	Rockwell ARN, ATN, RL Axles	BP3117 FB3117 FL29.1312 Freighter 154-00894 IT29.1312 Rockwell 1229F2502 WT3117
 FP29.1319	D Washer Used on 1-1/2" Camshafts I.D. 1-1/2" O.D. 3-7/8" - 2-5/16"	Fruehauf, Freighter, Rockwell, Rubery Owen Axles	BP3101 FB3101 FL29.1310 Freighter 152-06210 Fruehauf 219158 IT29.1319 Rockwell 1229G1463 Rubery Owen 6593 T02-3101 WT3101
 FP29.1321	Spacer Washer I.D. 1-1/8" O.D. 2" Thickness 1/16"	Eaton Drive and Front Axles	BP3135 Eaton 35428 FL29.1321 WT3135

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FPA No.	Description	Application	Alternate No.
 FP29.1322	Spacer Washer Used on 1-5/8" Camshafts I.D. 1-21/32" O.D. 2-3/8" Thick: 1/16"	Fruehauf	BP3106 FB3106 FL29.1322 Fruehauf AXA-0417-1 IT29.1322 WT3106
 FP29.1326	Spacer Washer Used on 1-1/2" Camshafts I.D. 1-17/32" O.D. 2-1/4" Thick: 3/32"	Standard Forge	BP3105 FL29.1326 IT29.1326 Standard Forge 403149 WT3105
 FP30.1357	Cam Bush Bracket I.D. 1-13/16" O.D. 4" Deep: 13/16" Uses FP27.1195 Bush	Dana Standard Forge Ingersoll Axles 1-1/2" S Cams	BP3013 FL30.1385 IT30.1357 STD Forge 209108-001 T02-1385 WT3013
 FP30.1358	Camshaft Bush & Bracket Assembly	General Purpose Rockwell RN, ARN, TN, ATN Axles 1-1/2" S Cam	BP3005SQ FB3005 FL30.1358 IT30.1358 Rockwell A3105V282 T02-3005 WT3005SQ
 FP30.1362	Camshaft Bush Bracket I.D. 2-9/16" Centre hole 2-9/16" Axle mounting hole 3/4" Suit FP27.1200 Cam Bush	Fruehauf 'I' Beam Round Freighter MK V, Rockwell, Rubery Owen Axles	BP3002 FB3002 FL30.1362 Freighter 154-00485 Fruehauf 219157 IT30.1362 Rockwell 1205N430 Rubery Owen 6563 WT3002 YK79500363

Section 6 - Camshaft Components

FPA No.	Description	Application	Alternate No.
 FP30.1363	Camshaft Bush Bracket I.D. 2-11/16" Centre hole 2-11/16" Axle mounting hole 21/32" Suit FP27.1198 Cam Bush	Fruehauf Propar Axle	BP3001 FB3001 FL30.1363 Fruehauf AXA 0430-1 IT30.1363 T02-3001 WT3001
 FP30.1365	Camshaft Bush Bracket Kit Suit 1-5/8" S Cam Bush Bush not supplied Bush to suit FP27.1194	Fruehauf Propar Axle	BP3003-4 FL30.1365 WT3003/4
 FP3015	Cam Bush Bracket Inside Half With Zerk Drilling	BPW	BP3015 BPW 0322902190 FL30.7754A IT3015 T02-7754A Transparts 019006602 WT3016
 FP3016	Cam Bush Bracket Outside Half	BPW	BP3016 BPW 0322902180 FL30.7755A IT3016 T02-3011 Transparts 019006614 WT3015
 FP31.1401	Cam Tube GP Length 450mm I.D. 38mm	General Purpose	BP2003-4CT FL31.1401 WT2055

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FPA No.	Description	Application	Alternate No.
 FP31.1402	Cam Tube GP Airbag Length 526mm I.D. 38mm	General Purpose	FL31.1402 WT2055L
 FP31.1430	Cam Tube Fruehauf Short Length 320mm I.D. 42mm	Fruehauf	WT2054
 FP31.1430A	Cam Tube Fruehauf Standard Length 457mm I.D. 42mm	Fruehauf	WT2054/457
 YK79788529/01 YK79788529/17 YK79788529/19	Enclosed York Cam Tube Comes With Plastic Cam Bush 525mm Long 625mm Long 616mm Long	York	
 FP31.1405	Cam Tube Plate GP	General Purpose	BP2055P WT2055P

Section 6 - Camshaft Components

FPA No.	Description	Application	Alternate No.
 FP31.1407	Cam Tube Plate BPW	BPW	WT2050P
 FP31.1408	Cam Tube Plate Fruehauf	Fruehauf	WT2053P
 ZWT2201	Camshaft Bush O Rings Included I.D. 1-1/2" O.D. 1-7/8" Length: 7/8" O Rings to suit: FP27.1202 Inner FP27.1203 Outer	Freighter MK V Fruehauf Round Axle McGrath Rubery Owen Part of kit FP28.1235K White: use on outboard side of Spider	FB2201 FL28.1236 Freighter 154-00471 IT28.1235K McGrath A1225-D-420 Rubery Owen 6722 T02-2201
 ZWT2202	Camshaft Bush O Rings Included I.D. 1-1/2" O.D. 1-7/8" Length: 7/8" O Rings to suit: FP27.1202 Inner FP27.1203 Outer	Freighter MK V Fruehauf Round Axle McGrath Rubery Owen Part of kit FP28.1235K Yellow: use on inboard side of Spider	FB2202 FL28.1235 Freighter 154-00472 IT28.1235K McGrath A1225-V-438 Rubery Owen 6723 T02-2202
 ZWT2212	Camshaft Bush Pink I.D. 1-1/4" O.D. 1-7/8" Length: 1-3/16"	Rockwell 'T' Series Axles Front 1-1/4" Camshaft	BP2212 FL28.1263 Rockwell 1225M897 WT2212

Section 6 - Camshaft Components

FPA No.	Description	Application	Alternate No.
 <p>ZWT2213</p>	<p>Camshaft Bush Nylon Suit worn Anchor Bracket</p> <p>I.D. 1-1/2" O.D. 1-7/8" Length 2"</p>	General Purpose	<p>BP2213 FB2210 FL28.7552A Rockwell 1225X336 WT2213</p>
 <p>ZWT3009</p>	<p>Mounting Bracket</p> <p>I.D. 1" O.D. 4" Length: 7"</p>	BPW Axle	<p>BP3009 BPW 0328455180 FL30.7751A IT3009 WT3009</p>
 <p>ZWT3116</p>	<p>Camshaft Seal</p> <p>I.D. 1-1/4" x 1/4" O.D. 2-1/16"</p>	Rockwell 'T' Series Axles with 1-1/4" S Cams	<p>BP3116 Rockwell A1205P1602 WT3116</p>
 <p>ZWT3136</p>	<p>Spacer Washer</p> <p>I.D. 1-1/8" O.D. 2" Thickness 1/32"</p>	Eaton Drive and Front Axles	<p>BP3136 Eaton 23570 WT3136</p>
 <p>ZWT3138</p>	<p>Camshaft Seal</p> <p>Superceded by FP29.1274</p> <p>I.D. 1-5/8" x 1/4" O.D. 2"</p>	Eaton JE-501 Axle	<p>BP3138 Eaton 1002279 FB3138 Freighter 154-00925 IT29.1274 T02-3118 WT3138</p>