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- Power Steering Pumps
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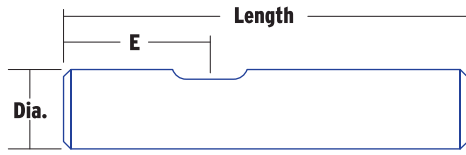


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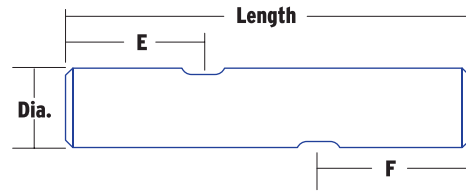
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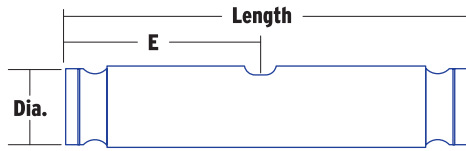
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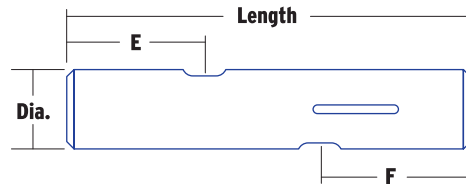
Style 1
One Keyway



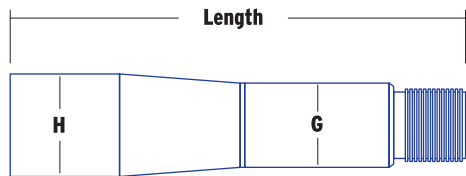
Style 2
Two Keyways



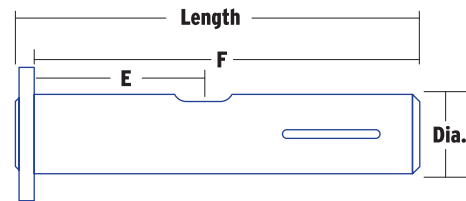
Style 3
One Keyway, Two Seal Grooves



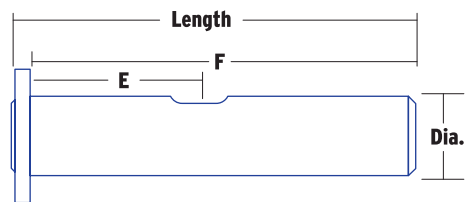
Style 4
Two Keyways, One Oil Groove



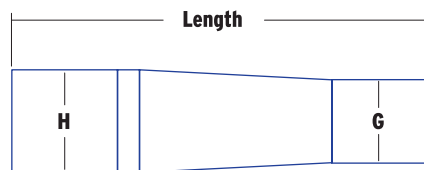
Style 5
Tapered & Threaded



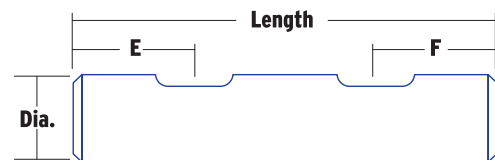
Style 6
One Keyway, One Oil Groove



Style 7
One Keyway



Style 8
Tapered



Style 9
Dual Keyway

KING BOLT SETS BY PIN DIAMETER



PART No	DIAMETER	LENGTH	E	F	G	H	STYLE
BF444	0.812	6.031	2.734	5.875			7
BF469A	0.859	6.547	3.062				3
BF478C	0.859	6.031	2.734	5.890			6
BF523DC	0.859	6.520	2.641				1
BF570DC	0.859	6.375	2.547				1
BF420	0.866	5.313	2.656				1
BF420B	0.866	5.313	2.656				1
BF473A	0.873	5.375	2.688				1
BF505	0.873	5.375	2.688				1
BF420C	0.921	5.625	2.813				1
BF421	0.921	5.625	2.813				1
BF466	0.921	7.000	3.203				3
BF469	0.936	6.438	3.063				1
BF472A	0.936	6.438	3.063				1
BF232	0.984	6.578	2.677				1
BF572DC	1.054	6.438	2.953				1
BF825	1.054	6.969	3.178				1
BF525	1.055	6.688	3.641				1
BF522M	1.101	7.100	2.640				1
BF706	1.1015	6.567	2.481				1
BF546M	1.102	7.086	2.657				1
BF602	1.103	6.753	3.357				1
BF478B	1.128	7.185	3.297	6.949			6
BF470	1.128	7.672	3.555				3
BF722	1.179	6.375	3.125				1
BF605	1.179	6.851	3.400				1
BF231	1.181	7.370	3.129				1
BF1104	1.230	7.090	3.040				1
BF571	1.230	8.910	4.501				3
BF477AR	1.234	7.438	2.375	2.969			2
BF538BIR	1.234	6.938	3.469				1
BF539BIR	1.234	7.625	3.813				1
BF1106	1.247	7.066	2.994				1
BF492A	1.249	7.875	3.696				1
BF1105	1.300	6.630	2.748				1
BF645	1.359	7.984	3.053				1

PART No	DIAMETER	LENGTH	E	F	G	H	STYLE
BF1130 NEW	1.377	7.890	3.011				1
BF321	1.380	8.120	3.210				1
BF465A	1.433	8.500	3.000	3.625			2
BF537	1.434	8.250	2.703	3.593			2
BF505A	1.607	8.813	3.344	3.719			2
BF517	1.608	9.625	3.290	4.095			4
BF817	1.608	9.670	4.011				1
BF841	1.625	9.200	3.377				1
BF842	1.625	9.200	3.377				1
BF830	1.745	9.375	3.435	4.081			2
BF848CB	1.791	10.394	4.039	4.567			2
BF504	1.793	9.125	4.000	3.313			2
BF534B	1.793	10.420	4.023	4.509			2
BF548	1.793	10.078	3.903	4.329			2
BF823	1.793	10.406	4.030	4.532			2
BF826CB	1.793	8.840	3.188	3.840			2
BF836	1.793	10.406	4.031	4.532			2
BF850	1.793	9.063	3.156				1
BF867	1.794	9.050	3.1259	3.791			9
BF838	1.810	10.531	5.094				1
BF846CB	1.872	9.965	3.625				1
BF861CS	1.872	9.065	3.143				1
BF868	1.873	9.070	3.1259	3.791			9
BF849	1.920	9.875	4.008	3.616			2
BF547	2.000	11.234	4.031	4.569			2
BF700	2.000	11.040	3.800	4.620			2
BF853	2.046	10.120	3.728	4.139			2
BF450A		9.750			1.309	1.606	5
BF829		7.438			1.374	1.624	8
BF834		8.750			1.749	2.125	8
BF852		9.203			1.499	1.890	5
BF858		9.609			1.499	1.890	5

MODEL	AXLE	YEAR	PART #
AGRALE			
Agrale MA 8.5 TCE			BF1106
AUTOCAR			
A42, A64, S42, S64	12000	70-80	BF505A
	12000	78-80	BF534B
	14600	81-85	BF836
	12000	74-80	BF838
ACL42B, ACL42F, ACL64B, ACL64BT, ACL64F	14600	91-98	BF836
CK64, CK64B, CK64F	16000	74-80	BF700
	18000	74-80	BF700
DC42, DC64, DK64, K42, K64, KM42-64, KS42, KS64	16000	78-80	BF700
	18000	78-80	BF700
DC42B, 42F, 64F, 87T, 87U, 9364, 9964, 10364	16000	70-80	BF700
	18000	70-80	BF700
DK42B, DK42F, DK64B, DK64BT, DK64F	14600	84-87	BF836
	KL64, KL64F, KM42, KM64, KM64F, KS42	12000	78-80
CHEVROLET			
1 TON	L	53-55	BF420C
	L	55-59	BF421
	P30	85-91	BF722
1-1/2 TON	N, P	53-55	BF420C
1/2 TON	H	53-55	BF420B
2 TON & UP	7000	63-64	BF492A
2500 Series	J	53-55	BF420C
	J	55-59	BF421
40 Series		67-70	BF421
50 Series		63-66	BF421
A60, A80, N80, Q80, V80	11000	65	BF450A
	7000	65	BF492A
ALL EXC JB & KB	ALL	39-54	BF420
	12000	73-75	BF450A
	7000	73-90	BF492A
	6000	79-82	BF492A
	7500	79-90	BF492A
	9000	75-90	BF830
B60, B6P	12000	75-90	BF830
		57-74	BF504
	9000	93-99	BF852
B7T	11000	93-99	BF852

MODEL	AXLE	YEAR	PART #
CHEVROLET			
Bison	16000	77-87	BF547
	18000	77-87	BF547
	12000	79-87	BF817
	10860	79	BF830
	12000	75-87	BF830
Bruin	9000	79-80	BF830
	7000	79-82	BF492A
	16000	79-88	BF547
	18000	79-88	BF547
	12000	85-87	BF823
	10860	79-82	BF830
	9000	79-88	BF830
	12000	79-88	BF830
	9000	93-99	BF852
	11000	93-99	BF852
C40	7000	71-72	BF492A
C60, C6D	12000	73-75	BF450A
	5000	63-72	BF492A
	7000	64-90	BF492A
	9000	63-87	BF830
	12000	75-90	BF830
C65, M65, T65	8100	79-92	BF830
	12000	75-78	BF450A
	12000	73-75	BF830
C6D, C60	9000	75-78	BF830
	5000	75-90	BF722
Corvette	ALL	53-62	BF420
D60	11000	65-70	BF450A
	7000	63-70	BF492A
D90, F90	12000	70-74	BF450A
	16000	70-72	BF700
	12000	75-78	BF830
H70	11000	66-72	BF450A
	12000	66-74	BF450A
	16000	73-78	BF547
	16000	66-72	BF700
	9000	75-78	BF830
	12000	75-78	BF830
H80	12000	73-74	BF450A
	16000	73-78	BF547
H80, H90, J70, J80	18000	73-78	BF700

MODEL	AXLE	YEAR	PART #
CHEVROLET			
J70	11000	66-74	BF450A
	12000	66-74	BF450A
	7000	66-78	BF492A
	16000	73-78	BF547
J80	16000	73-78	BF547
	9000	73-78	BF830
	12000	75-78	BF830
Kodiak C70, C7D, C7H	7000	79-92	BF492A
	9000	79-92	BF830
	12000	79-92	BF830
	8100	84-92	BF830
	12000	90-99	BF852
	11000	93-99	BF852
	14000	90-94	BF858
L50	12000	91-99	BF858
	11000	65-70	BF450A
L60, C80, 380, L80, M80, U80	7000	65-70	BF492A
	11000	63-66	BF450A
M50	7000	67-72	BF492A
M60	5000	75-78	BF722
P40	7000	79-84	BF492A
	5000	79-90	BF722
P60	5000	83-90	BF722
T5500, T6500, 7500	12000	97-00	BF858
	14600	97-00	BF858
T5500, T6500, T7500, T8500	11000	97-00	BF852
T60	12000	70-72	BF450A
T70	12000	66-74	BF450A
Titan	12000	83-87	BF823
DAIHATSU			
V10, V20, V30	All		BF706
DODGE			
1 1/2 TON & UP	3750	54-56	BF469
1 TON	3750	54-56	BF469
	3000	61-71	BF469
	3000	61-71	BF472A
	B2D	50	BF473A
	B3D	51-53	BF473A
	2800	54-56	BF473A

MODEL	AXLE	YEAR	PART #
DODGE			
1/2 TON	B2B	50-53	BF473A
	C1B	54-56	BF473A
	C1B	54-56	BF505
100 Series	D100	57-71	BF473A
	A100	64-70	BF473A
200 Series	P200	72-74	BF472A
	P200	61-71	BF473A
	D200	70-71	BF473A
3/4 TON	3000	61-71	BF469
	B3C	51-53	BF473A
	C1C	54-56	BF473A
	B3C	51-53	BF505
300 Series	9000	70-76	BF465A
	P300	61-78	BF469
	M300	69-78	BF469
	D300	61-71	BF472A
	P300	61-78	BF472A
	M300	69-78	BF472A
	D300	57-60	BF473A
	2800	57-69	BF473A
	M300	79-81	BF538BIR
	7000	60-76	BF477AR
C1000	12000	60-73	BF504
C500	5000	72-73	BF538BIR
C600	7000	69-73	BF477AR
	5000	72-73	BF538BIR
C700	9000	61-69	BF465A
	12000	63-69	BF504
C800	9000	60-77	BF465A
	12000	69-77	BF504
C850	9000	60-76	BF465A
	7000	60-76	BF477AR
C900	9000	61-77	BF465A
	12000	61-77	BF504
CN800, CNT800	9000	74-75	BF465A
	12000	74-75	BF504
CN900, CNT900, CT900	9000	69-76	BF465A
	7000	60-76	BF477AR
CT800	12000	60-75	BF504
D400	4000	60-71	BF469
D500	4000	72-73	BF469
	5000	72-77	BF538BIR

KING BOLT SETS APPLICATIONS



MODEL	AXLE	YEAR	PART #
DODGE			
D600	5000	72-77	BF538BIR
	7000	74-77	BF539BIR
D700	9000	63-71	BF465A
	5000	75-77	BF538BIR
	7000	75-77	BF539BIR
DN1000, DNT1000	12000	73-75	BF504
L700	9000	66-71	BF465A
LS1000, LT1000	9000	72-75	BF465A
M400, R400	5000	69-72	BF469
	5000	69-72	BF472A
	5000	79-81	BF538BIR
M500, R500	All	72-73	BF538BIR
	ALL	79-81	BF538BIR
M600	ALL	76-81	BF538BIR
P400, DL400, PL400	4000	60-72	BF469
	4000	60-72	BF472A
Route Van	B1EU	48-53	BF469
S400	4000	61-69	BF469
S600	7000	74-77	BF539BIR
S700	7000	74-77	BF539BIR
EATON			
E-1000I, E-1000W	10000	94-99	BF850
E-1002I, E-1002W	10000		BF868
E-1200I, E-1200W, E-1201W	12000		BF850
E-1202I, E-1202W	12000		BF868
E-1203I	12000		BF867
E-1320I, E-1320W	13200	95-99	BF850
E-1322I, E-1322W	13200		BF868
E-1462I, E-1462W	14600		BF868
EFA-12F4	12000	78-80	BF841
EFA-13F5	13200	93-98	BF841
EFA-18F3	18000		BF846CB
EFA-20F4, EFA-22T2, EFA-22T5	20000		BF846CB
EFA-24T2, EFA-24T5	24000		BF846CB
FORD			
1 TON F4, 350-400 Series	F350	57-66	BF466
	P350	57-76	BF466
	F4	48-52	BF478B
	F350	67-79	BF572DC
	F350	80-86	BF825

MODEL	AXLE	YEAR	PART #	
FORD				
1/2 TON 100 Series	ALL	48-52	BF444	
	F100	57-64	BF469A	
	P100	61-67	BF469A	
	F100	53-56	BF478C	
	F100	75-79	BF523DC	
	F150	75-79	BF523DC	
	F100	66-74	BF570DC	
	F100	80-81	BF825	
	F150	80-81	BF825	
	3/4 TON F2, F3, F250 Series	F2	48-52	BF444
F250		57-64	BF469A	
F250		53-56	BF478C	
F250		75-79	BF523DC	
F250		71	BF570DC	
F250		72-74	BF570DC	
F250		71	BF572DC	
F250		72-74	BF572DC	
F250		80-86	BF825	
B Series 4 x 2 School Bus		9000	62-88	BF465A
	4700	57-62	BF470	
	7000	75-90	BF537	
	8000	75-90	BF537	
	7500	80-83	BF537	
	12000	83-89	BF548	
	10000	87-89	BF548	
	6000	67-88	BF571	
	C & CT Series 4x2 & 6x4 Trucks	9000	62-88	BF465A
		7000	64-70	BF477AR
6000		68-70	BF477AR	
12000		61-86	BF504	
11000		64-78	BF505A	
12000		64-78	BF505A	
7000		75-90	BF537	
9000		76-90	BF548	
12000		76-90	BF548	
7000		67-90	BF571	
Cargo 815. Brazilian Model	6000	70-79	BF571	
	9000	76-90	BF571	
CF & CFT Series			BF1105	
	11000	89	BF548	
	12000	86-88	BF548	
	13000	87-89	BF548	

King Bolt Sets



KING BOLT SETS APPLICATIONS

King Bolt Sets

MODEL	AXLE	YEAR	PART #
FORD			
CL900, CLT900, CL9000, CLT9000	12000	78-89	BF548
	11000	87-89	BF548
Econoline	E250	75-91	BF525
	E350	75-91	BF525
	E300	69-71	BF572DC
	9000	62-79	BF465A
F & FT Series	4700	57-62	BF470
	7000	57-70	BF477AR
	12000	61-86	BF504
	11000	64-78	BF505A
	12000	64-78	BF505A
	9000	75-88	BF537
	8000	84-88	BF537
	10000	76-89	BF548
	9000	76-91	BF548
	6000	67-90	BF571
F500	7000	67-90	BF571
	5000	40-62	BF470
HT950, H1000	12000	64-66	BF504
	11000	64-66	BF505A
L & LT Series Louisville 4x2 & 6x4	12000	67-83	BF504
	7000	75-97	BF537
	12000	75-88	BF548
	10000	76-89	BF548
	11000	76-91	BF548
	7000	67-88	BF571
	6000	67-90	BF571
	20000	70-75	BF700
LA Series Aeromax 4x2 & 6x5	12000	87-88	BF548
	10000	87-89	BF548
	9000	86-96	BF846CB
LN500, LN600, LN700, LN750	9000	70-83	BF465A
	7000	75-97	BF537
	6000	70-97	BF571
	7000	70-97	BF571
	12000	64-65	BF504
N1100	11000	64-65	BF505A
	9000	63-69	BF465A
N700, N750	6000	67-69	BF571
	12000	68-69	BF504
N8000	12000	68-69	BF504
	12000	68-69	BF700

MODEL	AXLE	YEAR	PART #
FORD			
N850, N950	12000	62-69	BF504
	11000	62-69	BF505A
	12000	62-69	BF505A
NT850, NT950, N1000	11000	64-65	BF505A
P Series	3800	57-78	BF466
Rockwell Timken			BF492A
Rockwell Timken - Standard Axles on Ford Trucks		60-70	BF477AR
W900, WT900, W9000, WT9000	12000	75-77	BF548
FREIGHTLINER			
C112, C120 Century Class	14600	96-98	BF836
	12000	96-98	BF848CB
Conventional & Cab Over Engine	11000		BF450A
	12000		BF505A
	12000		BF534B
FF952, FF981, FF986	12000		BF826CB
FL50, FL60, FL70, MB50, MB60, MB70 Business Class Conventional Cab	10000	91-98	BF848CB
	12000	91-98	BF848CB
FL80, FL106, FL112, MB80 Business Class	12000	92-98	BF823
	14600		BF836
FLA, FLB, FLL Series	12000	91-98	BF848CB
	12000	92-98	BF823
	14600	89-98	BF836
	13200	92-94	BF841
FLC112 Series	24000		BF848CB
	12000	89-98	BF848CB
	12000	86-97	BF823
	14600	86-97	BF836
FLC120, FLP, FLT Series	12000	92-93	BF841
	12000	86-97	BF848CB
	12000	77-90	BF823
	14600	82-90	BF836
	12000	85-90	BF841
FLD112, FLD120 Conventional Cab	12000	82-84	BF842
	12000	77-90	BF848CB
	12000	86-90	BF848CB
	12000	91-97	BF823
	12000	91-98	BF848CB
GMC			
1 TON		53-54	BF420C
1/2 TON		53-54	BF420B
3/4 TON		53-54	BF420C

KING BOLT SETS APPLICATIONS



MODEL	AXLE	YEAR	PART #
GMC			
300 Series		53-54	BF420C
		55-59	BF421
3500 Series	P3500	65-66	BF420C
	3500	63-66	BF421
	P3500	85-90	BF722
4000 Series	ALL	63-64	BF492A
Astro, D9K, D9L	16000	79-83	BF547
	18000	83-87	BF547
	12000	83-87	BF823
	12000	79-87	BF830
B6000, B6P	12000	73-75	BF450A
	6000	79-82	BF492A
	12000	75-90	BF830
	9000	79-82	BF830
B7T	8100	83-87	BF830
	9000	93-99	BF852
	11000	93-99	BF852
Brigadier J8C, J9C	7000	79-82	BF492A
	16000	79-87	BF547
	18000	81-87	BF547
	12000	85-87	BF823
	9000	79-87	BF830
	10860	79-87	BF830
C5000, C5D Topkick	7000	73-90	BF492A
	5000	75-90	BF722
C5500	7000	67-72	BF492A
	5500	75-78	BF722
C6000, C6D Topkick	9000	79-82	BF450A
	7000	73-90	BF492A
	5000	75-90	BF722
	12000	75-90	BF830
	8100	83-90	BF830
	9000	83-90	BF830
C6500	11000	93-99	BF852
	11000	69-72	BF450A
	12000	69-75	BF450A
	9000	75-90	BF830
	12000	75-90	BF830

MODEL	AXLE	YEAR	PART #
GMC			
C7500, C7D, C7H Topkick	12000	79-82	BF450A
	16000	93-00	BF846CB
	11000	90-98	BF852
	12000	90-98	BF852
C9500	9000	93-99	BF852
	12000	63-69	BF450A
D90, D9500	11000	63-69	BF450A
	12000	63-74	BF450A
	12000	66-68	BF505A
	16000	73-78	BF547
	18000	73-78	BF700
	12000	75-78	BF830
E4500	4000	67-69	BF421
E5500, E6500	7000	67-69	BF492A
F6B, F7B	11000	97-98	BF852
	14600	97-98	BF858
F9500	12000	66-68	BF505A
	16000	73-78	BF547
	18000	73-78	BF700
General	9000	79-82	BF450A
	12000	79-82	BF450A
	10860	79	BF830
	9000	83-88	BF830
	12000	83-88	BF830
H5500	7000	63-67	BF492A
H7500	7000	66-78	BF492A
	16000	73-78	BF547
	18000	73-78	BF700
	9000	75-78	BF830
	12000	75-78	BF830
H8500	12000	63-74	BF450A
	7000	66-78	BF492A
	16000	73-78	BF547
	9000	75-78	BF830
	12000	75-78	BF830
J7500	16000	73-78	BF547
	18000	73-78	BF700
	9000	75-78	BF830
	12000	75-78	BF830
J8500	16000	73-78	BF547
J9500	18000	73-78	BF700
	9000	75-78	BF830
	12000	75-78	BF830

King Bolt Sets

MODEL	AXLE	YEAR	PART #
GMC			
M6000	12000	75-90	BF830
P4500	5000	79-90	BF722
P6000, P6S, P6T	5000	83-90	BF722
	11000	92-96	BF852
T5500	12000	97-00	BF858
	14600	97-00	BF858
T6500	12000	97-00	BF858
	14600	97-00	BF858
T7500	11000	97-00	BF852
	12000	97-00	BF858
	14600	97-00	BF858
HINO			
Hino FD,FP,FG,FF(Micro Bus) Include all parts	All		BF321
Truck Series 500		NEW	BF1130
INTERNATIONAL			
E-1200I, FA337, FA340	12000		BF817
FA101, FA103 Axle	7500		BF645
FA104 AXLE	8000		BF645
FA110 Axle	9000		BF450A
FA111 Axle	12000		BF450A
FA112, FA119 Axle	12000		BF517
FA114 AXLE	9000		BF450A
FA118 AXLE	9000	FROM 81	BF517
	9000		BF817
FA127, FA329 AXLE	10800		BF817
FA139, FA234 Axle	12000		BF817
FA226 Axle	12000		BF848CB
FA227 Axle	13200		BF848CB
FA248 Axle	24000		BF817
FA69, FA73, FA74, FA78 Axle	6000		BF645
FA71 AXLE	5000		BF645
FF931 Axle	12000		BF848CB
FF941 Axle	12000		BF848CB
FF942 Axle	13200		BF848CB
I100S	10000		BF849
I108	10800		BF817
I120	12000		BF817
I120S	12000		BF849
I140S	14000		BF853
I50	5000		BF645
I60, I60S,	6000		BF645

MODEL	AXLE	YEAR	PART #
INTERNATIONAL			
I75	7500	87-89	BF645
I80S	8000		BF645
ISUZU			
NHR 1 - 1 1/4 TON	All		BF232
NPR 2 1/2 - 3 1/2 TON	All		BF231
KENWORTH			
C500	11000	73-78	BF505A
	12000		BF534B
	12000		BF823
C500 Conventional Cab	12000	74-87	BF848CB
	12000		BF841
C500B	12000		BF848CB
	12000		BF850
K100 Cab Over Engine	12000	TO 86	BF823
K100 Cab Over Engine (To 1986)	12000		BF505A
	12000		BF534B
K100, K100E Cab Over Engine	12000	FROM 86	BF823
	12000		BF841
K100, K100E Cab Over Engine (From 1986)	12000		BF848CB
	12000		BF850
	12000		BF841
K300	12000		BF850
	12000		BF505A
L700 Cab FWD	12000		BF534B
	12000		BF823
T2000	12000	97-98	BF848CB
T300 SERIES 4x2 Mid Range	10000	94-98	BF850
	12000	94-98	BF850
	12000		BF823
T400A, T400B, T450A, T450B CONV. CAB	10000		BF848CB
	12000		BF848CB
T600A, T600B, T800, T800B Conventional Cab	12000		BF823
	12000		BF848CB
T800 Teflon	12000		BF850
	14600		BF861CS
T800B Series 8x4 Twin Steer	20000		BF846CB
W900, W900B, W900L, W900S	12000		BF534B
	18000		BF846CB

MODEL	AXLE	YEAR	PART #
MACK			
CH600 Series	10500	90	BF829
	12000	91-98	BF841
CL600, CL700 Series	12000	93-98	BF841
DM400, DM600, DM800	10500	ALL	BF829
	18000	ALL	BF834
DMM600 Series 6x4 All Wheel Drive 8x4 Twin Steer Drive	18000	75-80	BF834
	20000	81-90	BF834
F700 Series 4x2 & 6x4	10500	68-81	BF829
FDM7000 Series	22000	94-98	BF846CB
MB400, MB600 Series	10500	68-79	BF829
	18000	68-79	BF834
	20000	68-79	BF834
R400, R600, R700	10500	ALL	BF829
	18000	ALL	BF834
MAZDA			
E2700, Titan E3000	ALL		BF602
E3700, Titan 73000, 74100	ALL		BF605
MERCEDES			
Mercedes Benz, Agrale 2003-2006, VW Buseton Copper Bushing Shaft 5620lbs			BF1104
MERITOR			
17100, 17101, 17111	12000		BF836
FC901, FC902, FC903	7000	LATE	BF477AR
FD901, FD902, FD903	9000	LATE	BF465A
FD961	10000		BF848CB
FE970	11000		BF505A
FF901, FF903	12000		BF504
FF921, FF923	12000		BF534B
FF931, FF932, FF933, FF934, FF941, FF942, FF943, FF944	12000		BF823
	13200		BF823
	12000		BF848CB
	13200		BF848CB
FF961	12000		BF848CB
FF981, FF982, FF986	12000		BF826CB
FG931, FG933, FG941, FG943	14600		BF836
FH901	16000		BF700
FL901	18000		BF700
FL931, FL933, FL941, FL943	16000		BF547
	18000		BF547
	20000		BF547
FL951	22000		BF547

MODEL	AXLE	YEAR	PART #
MERITOR			
MFS10	10000		BF848CB
MFS12	12000		BF826CB
	12000		BF848CB
MFS13	13000		BF826CB
MITSUBISHI			
FE Canter	ALL		BF546M
FE211, WIDE Canter FE221, 4D30	ALL		BF522M
WHITE TRUCK			
RB, RC, RX Series Road Boss II, Road Command II : 4x2 & 6x4	12000		BF838
RBW, RCW Series Road Boss II, Road Command II : 4x2 & 6x4	12000		BF838
WC, WH, WI Series	12000	84-85	BF838
WCA, WIA Series 4x2 & 6x4	12000	96-98	BF850
	13000	96-98	BF850
WFC-12042T, WFC-12064, WFC-12064T, WF-6342T	12000	73-78	BF534B
WG Series 4x2 & 6x4	12000	96-98	BF850
WX Series Xpeditor 4x2 & 6x4	12000	84-85	BF838



BF231



BF232



BF321



BF420



BF420B



BF420C



BF421



BF444



BF450A



BF465A



BF466



BF469



BF469A



BF470



BF472A



BF473A



BF477AR



BF478B



BF478C



BF492A



BF504



BF505



BF505A



BF517



BF522M



BF523DC



BF525



BF534B



BF537



BF538BIR



BF539BIR



BF546M



BF547



BF548



BF570DC



BF571



BF571R



BF572DC



BF602



BF605



BF645



BF700



BF706



BF722



BF817



BF823



BF825



BF826CB



BF829



BF830



BF834



BF836



BF838



BF841



BF842



BF846CB



BF848CB



BF849



BF850



BF852



BF853



BF858



BF861CS



BF867



BF868



BF1104



BF1105



BF1106



BF1130

NEW

MODEL	BAR	INLET	OUTLET	ROTATION	FLOW	NOMINAL DISPLACEMENT	PART #
CARTRIDGES							
Chevrolet B60/C70, Dodge D600, For Pump BF7841933							BF3736348
Luk, For Pump BF5420172100	Dimensions: 63.4 x 23.43 x 23T x 10H						BF54200L
Luk, For Pump BF54202481000	Dimensions: 63.4 x 23.43 x 23T x 10H						BF54200R
CATERPILLAR							
3116/3126	150	M27x 2-6H	M18 x 1.5-6H	Left	16 L/MIN	17 CC	BF911555301
3406E	160	1 5/16- 12UN	3/4-16UNF	Left	14 L/MIN	21 CC	BF901691101
CHEVROLET							
Kodiak 3116	80	Ø20.6 MM	M20 x 1.5	Left	10 L/MIN	10.5 CC	BF15975435
CUMMINS							
4BT, 6BT	140	M30 x 2	M20 x 1.5	Right	15 L/MIN	18 CC	BF911483102 NEW
6BT 5.9	140	M30 x 2	M20 x 1.5	Right	16 L/MIN	15.77 CC	BF3406A010B
6BTAA	140	M30 x 1.5	M20 x 1.5	Right	18 L/MIN	16 CC	BF901403406
6CT	165	1 1/16-12UN	3/4-16UNF	Right	18 L/MIN	19 CC	BF911655343
6CT 8.3	130	M22 x 1.5	M20 x 1.5	Right	15 L/MIN	16 CC	BF3406Z07010A
C10/C12/ Big Cam, 6BT K/Worth	163	M26 x 1.5-6H	M18-1.5-6H	Right	16 L/MIN	21 CC	BF901636032
ISC / ISM / ISX	150	1 1/16-12UN-2B	3/4-16UNF-2B	Left	24 L/MIN	36 CC	BF901536241 NEW
ISM-M11	150	1 1/16-12UN-2B	3/4-16UNF-2B	Left	22.5 L/MIN	21 CC	BF901520675
ISX	150	1 1/16-12UN-2B	3/4-16UNF-2B	Right	24 L/MIN	32 CC	BF901532242 NEW
ISX	163	1 1/16-12UN-2B	3/4-16UNF-2B	Right	17 L/MIN	25 CC	BF901607262
ISX	185	1 1/16-12UN-2B	3/4-12UNF-2B	Right	16 L/MIN	23 CC	BF901822162 NEW
L10, M11	160	1 5/16- 12UN	3/4-16UNF	Left	14 L/MIN	21 CC	BF901691101
NTC 350, Kenworth	150	1 5/16-12UN	3/4-16UNF	Right	22.5 L/MIN	21 CC	BF5420248100
Signature	150	1 1/16-12UN-2B	3/4-16UNF-2B	Right	16 L/MIN	25 CC	BF901508216
Signature,N14	150	1 1/16-12UN-2B	3/4-16UNF-2B	Right	15 L/MIN	17.5 CC	BF901567502
Type C10, C12, NTC, N14	120	1 5/16- 12UN	3/4-16UNF	Right	14 L/MIN	17.5 CC	BF5420239100
DETROIT DIESEL							
Series 60	150	1 1/16-12UN	3/4-16UNF	Left	15 L/MIN	21 CC	BF5420172100
Series 60	150	1 5/16-12UN	3/4-16UNF	Left	14 L/MIN	21 CC	BF5420176100
FORD							
AS700-900	105	Ø11 MM	M16 x 1.5	Right	13 L/MIN	18 CC	BF7841933
Cargo 815	0	Ø19 MM	3/4-16UNF-2A	Right	9 L/MIN	17 CC	BF910959052
FOTON							
Foton and JAC Trucks	90	Ø17.5	M20 x 1.5	Left	10 L/MIN	16 CC	BF920992521 NEW
HINO							
E0120/J08E	130	Ø18 MM	M16 x 1.5-6H	Right	11 L/MIN	14.5 CC	BF921344352 NEW
H07C	100	M22 x 1.5	M16 x 1.5	Right	8 L/MIN	14.33 CC	BF921019302
H07C Bus	100	M22 x 1.5	M16 x 1.5	Right	10 L/MIN	13.6 CC	BF921019902
J05C	130	Ø29.3 MM	M16 x 1.5-6H	Left	17 L/MIN	14.5 CC	BF921322421
J08C Buseton	125	Ø16 MM	M16 x 1.5	Left	8 L/MIN	13.6 CC	BF921201021
INTERNATIONAL							
Agrale - T8500/9500 MWM	0	Ø21 MM	3/4-16UNF-2A	Left	10 L/MIN	15 CC	BF5420045100
Agrale 4.10	0	Ø21 MM	3/4-16UNF	Left	12 L/MIN	15 CC	BF911059221
IHC 9200-0, Kenworth	150	1 5/16-12UN	3/4-16UNF	Right	15 L/MIN	17.5 CC	BF5420130100

Power Steering Pumps

POWER STEERING PUMPS APPLICATIONS



MODEL	BAR	INLET	OUTLET	ROTATION	FLOW	NOMINAL DISPLACEMENT	PART #
INTERNATIONAL							
International	165	1 1/16-12UN	3/4-16UNF	Right	25 L/MIN	25 CC	BF5420267100
International	165	1 1/16-12UN	3/4-16UNF	Left	16 L/MIN	21 CC	BF5420273100
International	165	1 1/16-12UN	3/4-16UNF	Right	15 L/MIN	21 CC	BF5420320100
ISUZU							
4BDIT / 4BC2	100	Ø18 MM	G3/8	Right	10 L/MIN	12 CC	BF4430611600A
4HF1 NPR Model 2000	100	Ø17.5 MM	M12 x 1.25	Left	8 L/MIN	7 CC	BF921051341
4JA1 D'Max 2,5 lts.	90	Ø16.7 MM	M12 x 1.25-6g	Right	7 L/MIN	7.2 CC	BF929584738
4JB1 NKR	98	Ø17.5 MM	M16 x 1.5	Right	7 L/MIN	7.2 CC	BF921019992
4JJ1 D'Max 3.0 lts.	90	Ø17 MM	M16 x 1.5	Right	7 L/MIN	7.2 CC	BF921046694
6HH1 (2 Holes)	85	Ø17 MM	M16 x 1.5	Left	7 L/MIN	9 CC	BF928500415
KITS							
Kit For Pump BFV10F1P7P38D5							BFV10KIT
Kit For Pump BFv20f							BFV20KIT
MERCEDES							
Actroz 2632	180	M26 x 1.5	M18 x1.5	Right	20 L/MIN	18 CC	BF901848102
Freightliner FL60-80 with M/Benz Engine	150	1 1/16-12UN	3/4-16UNF	Left	19 L/MIN	25 CC	BF901559101
M/Benz	0	M26 x 1.5	M16 x 1.5	Left	17 L/MIN	17 CC	BF7684955184
MITSUBISHI							
Canter 4D33/34	90	Ø18 MM	M12 x 1.25	Left	6 L/MIN	9.5 CC	BF920903701
NISSAN							
180 FE6	105	Ø12 MM	G3/8-19	Right	12 L/MIN	14.33 CC	BF921056602 NEW
200	120	Ø14 MM	M20 x 1.5	Right	10 L/MIN	12.8 CC	BF921255012 NEW
Nissan FD42	120	Ø17 MM	M16 x 1.5-6H	Right	7 L/MIN	9.6 CC	BF921200042
Nissan Frontier With Tube & Pinion	80	Ø17 MM	M16 x 1.5-6H	Right	7 L/MIN	12 CC	BF920807004
OPEL							
Vectra B Estate & Hatchback	110	Ø17.3 MM	M16 x 1.5	Right	6 L/MIN	8.5 CC	BF901139102
SAGINAW							
300 Series	105	Ø11 MM	M16 x 1.5	Right	13 L/MIN	18 CC	BF7841933
TOYOTA							
Hilux	80	Ø16 MM	M16 x 1.5	Right	7 L/MIN	7.2 CC	BF4431035610
Land Cruiser	85	Ø22 MM	M16 x 1.5	Right	7 L/MIN	14.33 CC	BF4432060220
Super Delta/Daihatsu 14B	100	Ø22 MM	M16 x 1.5	Right	7 L/MIN	14.33 CC	BF921087304
UNIVERSAL							
Jeep Dodge 100/300, Ford, & Universal Use	75	Ø11 MM	M16 x 1.5	Right	9 L/MIN	14.33 CC	BF937534102
VICKERS							
Vickers	120	NPT 1	3/4-16UNF	Right	20 L/MIN	22.8 CC	BFV10F1P7P38D5
Vickers	140	NPT 1 1/4	3/4-16UNF	Right	22.5 L/MIN	29.7 CC	BFV20F
VOLKSWAGEN							
VW / TH17145157	0	Ø21 MM	3/4-12UNF-2A	Right	15 L/MIN	21 CC	BF911575962 NEW
VW / ZRO 145 157	0	Ø21 MM	3/4-12UNF-2A	Left	8 L/MIN	17.5 CC	BF918758161



BF15975435



BF3406A010B



BF3406Z07010A



BF3736348



BF443061160QA



BF4431035610



BF4432060220



BF5420045100



BF54200L



BF54200R



BF5420130100



BF5420172100



BF5420176100



BF5420239100



BF5420248100



BF5420267100



BF5420273100



BF5420320100



BF7684955184



BF7841933



BF901139102



BF901403406



BF901508216



BF901520675



BF901536241

NEW



BF901559101



BF901567502



BF901607262



BF901636032



BF901691101

POWER STEERING PUMPS PHOTOS



Power Steering Pumps



NEW

BF901822162



BF901848102



BF910959052



BF911059221



BF911555301



NEW

BF911575962



BF911655343



BF918758161



BF920807004



BF920903701



BF921019302



BF921019902



BF921019992



BF921046694



BF921051341



NEW

BF921056602



BF921087304



BF921200042



BF921201021



NEW

BF921255012



BF921322421



BF921344352

NEW



BF928500415



BF929584738



BF937534102



BFV10F1P7P38D5



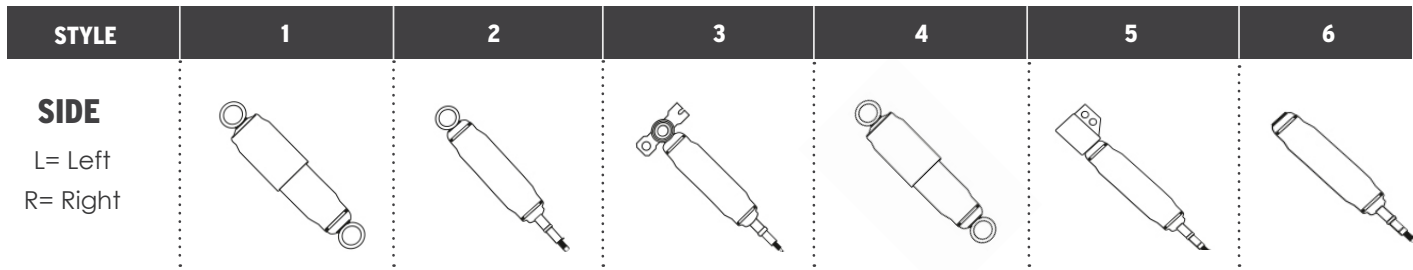
BFV20F



BFV10KIT



BFV20KIT



































MODEL	POSITION	SIDE	SIZE	STYLE	PART #
CHEVROLET					
Alto	Front/Gas	R			BF580008
	Front/Gas	L			BF580009
Aveo Sedan 1.4 1.6 GTI All Emotion	Rear/Hyd	L/R	23.5"	2	BF490001
	Front/Hyd	L		5	BF590012
	Front/Hyd	R		5	BF590013
Corsa	Front/Hyd	L/R		5	BF590007
CORSA Evolution	Front/Hyd	R			BF580027
	Front/Hyd	L			BF580028
D-MAX 4x2	Front/Gas	L/R			BF480002
Grand Vitara	Front/Gas	R			BF580023
	Front/Gas	L			BF580024
	Front/Hyd	R		5	BF590020
	Front/Hyd	L		5	BF590021
Luv 1600 2300 2W & 4W 81-99	Rear/Hyd	L/R	23"	1	BF290015
Luv 1600 2300 2W & 4W, Trooper	Front/Hyd	L/R	14"	2	BF290005
Luv 2300 4W, TROOPER	Steering		20"	4	BF690001
Luv D-Max 1600 2300	Rear/Gas	L/R	21.5"	1	BF280002
Luv D-Max 4W	Front/Gas	L/R	15.8"	2	BF280003
Optra	Front/Gas	R			BF580004
	Front/Gas	L			BF580005
	Rear/Gas	R			BF580006
	Rear/Gas	L			BF580007
Spark 7:24 DAEW Matiz 2005	Front/Hyd	R		5	BF590010
	Front/Hyd	L		5	BF590011
	Rear/Hyd	L/R	17"	1	BF290008
Spark Chronos 2006	Front/Hyd	L		5	BF590014
	Front/Hyd	R		5	BF590015
Spark Chronos 2006-UP	Rear	L/R	18"	1	BF290011
Sprint 2 Series 88-UP = 32223	Rear/Hyd	L/R	20"	2	BF290001
Sprint 2 Series 88-UP Q&Q TAXI	Front/Hyd	R		5	BF590005
	Front/Hyd	L		5	BF590006
Super Carry Samurai, Daewoo Damas, Chana Van	Rear/Hyd	L/R	16.5"	1	BF290002
	Front/Hyd	R		5	BF590001
	Front/Hyd	R			BF590001
	Front/Hyd	L		5	BF590002

MODEL	POSITION	YEAR	SIZE	STYLE	PART #
CHEVROLET					
Swift	Front/Gas	R		5	BF580001
	Front/Gas	L		5	BF580002
	Rear/Gas	L/R		6	BF580003
Vitara	Rear/Hyd	L/R	18"	2	BF290022
FORD					
F150 F350 Bronco	Front/Gas		15.8"	2	BF280003
	Rear/Gas	L/R		5	BF480003
Festiva	Front/Hyd	L		5	BF590028
	Front/Hyd	R		5	BF590029
HYUNDAI					
Atos & Prime 2005>	Rear/Hyd	L/R	15.5"	1	BF290010
	Front/Hyd	R		5	BF590016
	Front/Hyd	L		5	BF590017
H1 STAREX	Front/Hyd	L/R	16"	2	BF290023
	Rear/Hyd	L/R	21"	1	BF290024
ISUZU					
NPR NKR	Rear/Hyd	L/R	23"	1	BF290007
NPR, NKR 1988>	Rear/Hyd	L/R	22.5"	1	BF290021
NPR, NKR ELF 1988>	Front/Hyd	L/R	23"	2	BF290019
	Front/Hyd	L/R	23"	2	BF290020
KIA					
Picanto	Rear/Gas	L/R		2	BF480006
	Front/Gas	R		5	BF580013
	Front/Gas	L		5	BF580014
Pride	Rear/Gas	L/R		5	BF480003
	Front/Hyd	R		5	BF590028
	Front/Hyd	L		5	BF590028
MAZDA					
121	Rear/Gas	L/R		5	BF480003
	Front/Hyd	L		5	BF590028
	Front/Hyd	R		5	BF590029
3	Rear/Gas	L/R			BF280007
	Front/Gas	R			BF580019
	Front/Gas	L			BF580020



























MODEL	POSITION	YEAR	SIZE	STYLE	PART #
MAZDA					
323 1.3 1.5 - All Years	Front/Hyd	L	5		BF590003
	Front/Hyd	R	5		BF590004
	Rear/Hyd	R	5		BF590008
	Rear/Hyd	L	5		BF590009
6	Rear/Gas	L/R			BF280008
	Front/Gas	R			BF580021
	Front/Gas	L			BF580022
Allegro 1999	Front/Gas	R			BF580015
	Front/Gas	L			BF580016
	Rear/Gas	R			BF580017
Allegro 2000	Rear/Gas	L			BF580018
	Front/Gas	R			BF580025
	Front/Gas	L			BF580026
B1600 B2000 B2200 B2300 82>	Rear/Hyd	L/R	22.5"	1	BF290006
B2000 B2200	Rear/Gas	L/R	21.5"	1	BF280002
B2000 B2200 B2600 84> BT50	Front/Hyd	L/R	15"	2	BF290013
B2600 95> BT50	Rear/Hyd	L/R	25"	1	BF290018
MITSUBISHI					
Canter	Front/Hyd	L/R	22"	2	BF290017
	Front/Hyd	L/R			BF290029
Montero 82>92	Front/Hyd	L/R	14.5"	3	BF290025
Montero 89>97	Rear/Gas	L/R	21"	1	BF280002
Montero Sportero	Front/Hyd	L/R			BF480004
	Rear/Hyd	L/R			BF490004
NISSAN					
Frontier D22 4W 98>	Front/Hyd	L/R	12"	2	BF290026
	Rear/Gas	L/R	21"	1	BF280002
RENAULT					
9	Front/Hyd	L/R	5		BF590034
Clio II, Symbol	Rear/Hyd	L/R	22.5"	2	BF490002
	Front/Gas	R			BF580029
Megane I 96>11	Rear/Gas	L/R	19.5"	1	BF280005
	Front/Gas	L/R	5		BF580010
Megane II	Front/Gas	L			BF580011
Sandero - All Models	Rear/Hyd	L/R			BF480005
Scenic, Clio	Front/Hyd	L/R	5		BF590035
Twingo	Front/Hyd	L/R	5		BF590036
Twingo - All Models	Rear/Hyd	L/R	5		BF490003
SUZUKI					
LJ80 / SJ410	Steering	L/R	18"	1	BF690003
Samurai LJ80 SJ410 / SJ413	Front/Hyd	L/R	16"	2	BF290003
SJ410 / SJ413	Rear/Hyd	L/R	17"	1	BF290004

MODEL	POSITION	YEAR	SIZE	STYLE	PART #
TOYOTA					
2F FJ60 64>82 Land Cruiser RF 1000	Front/Hyd	L/R	19"	1	BF290009
	Rear/Hyd	L/R	20"	1	BF290012
4.5 FJ70-75 / 3F FJ73	Rear/Hyd	L/R	24.5"	1	BF290014
	Front/Hyd	L/R	23"	2	BF290017
4.5 FJ70-75 / 3F FJ75	Steering		25"		BF690002
Hilux 2W	Rear/Hyd	L/R	23"	1	BF290015
Hilux RN106 / RN107 4W 91>	Front/Hyd	L/R	13.5"	2	BF290016
	Rear/Hyd	L/R	23"	1	BF290007
HILUX VIGO 4W	Front/Gas	R			BF480009
HILUX VIGO 4x2	Front/Gas	R			BF480007
	Front/Gas	L			BF480008
Prado 3 & 5Doors	Rear/Gas	L/R	21.5"	2	BF280001
Prado 3 & 5Doors - All Models	Front/Hyd	L/R		5	BF480001

			
BF280001	BF280002	BF280003	BF280005
			
BF290001	BF290002	BF290003	BF290004
			
BF290005	BF290006	BF290007	BF290008
			
BF290008	BF290010	BF290011	BF290012
			
BF290013	BF290014	BF290015	BF290016
			
BF290017	BF290018	BF290019	BF290024
			
BF290025	BF290026	BF480001	BF480003
			
BF480006	BF490001	BF490002	BF490003

SHOCK ABSORBERS PHOTOS



 BF580010	 BF580013	 BF580014	 BF590001
 BF590002	 BF590004	 BF590005	 BF590006
 BF590007	 BF590009	 BF590010	 BF590011
 BF590012	 BF590013	 BF590014	 BF590015
 BF590016	 BF590017	 BF590020	 BF590021
 BF590028	 BF590029	 BF590034	 BF590035
 BF590036	 BF69003		






















HEAVY DUTY SHOCK ABSORBERS APPLICATIONS

Heavy Duty Shock Absorbers

MODEL	STYLE	POSITION	EXTENDED LENGTH	COLLAPSED LENGTH	BORE	STROKE	PART #
CHEVROLET							
Brigadier	Hydraulic	Fwd	24.01 in	15.1 in	1 5/8 in	8.91 in	BF99001
Brigadier - Prevost & Thomas School Buses	Hydraulic	Fwd	23.62 in	15.21 in	1 5/8 in	8.41 in	BF99471
FORD							
Aero Max A, AT, AAT / 8500, 9500 / B / F / FT / L, LN, LNT, LTS	Hydraulic	Rear	26.27 in	16.36 in	1 5/8 in	9.91 in	BF99002
FREIGHTLINER							
Argosy / Business Class F150, 60, 70, 80, M2 Cascadia / Century Class / Columbia / Coronado Legacy	Gas	Rear	22.78 in	14.50 in	1 5/8 in	8.28 in	BF78490
Argosy / Business Class F150, 60, 70, 80, M2 / Cargo FC70 & 80 / Cascadia / Century Class / Columbia Coronado Legacy	Hydraulic	Rear	22.78 in	14.50 in	1 5/8 in	8.28 in	BF99425
Argosy / Business Class M2 / Cascadia Century Class Classic & XL / Columbia Coronado / Severe Duty	Hydraulic	Fwd	22.96 in	14.55 in	1 5/8 in	8.41 in	BF99918
INTERNATIONAL							
4300 / 4400 / 7300 / 7600 / 8500 / 8600 / 9900	Gas	Cabin	10.28 in	7.56 in	1 3/8 in	2.72 in	BF78161
4300 / 7600 / 8500 / 8600	Gas	Fwd	20.78 in	13.15 in	1 5/8 in	7.63 in	BF78144
4300 / 7600 / 9200 / 9200i / 9300 / 9300i / 9400 / 9400i	Gas	Fwd	20.41 in	12.96 in	1 5/8 in	7.46 in	BF78147
5000 / 7600 / 9100 / 9200 / 9300 / 9400 / 9900	Gas	Cabin	7.98 in	6.49 in	1 3/8 in	1.49 in	BF78162
4700	Hydraulic	Fwd	24.57 in	15.29 in	1 5/8 in	9.28 in	BF99402
4700	Hydraulic	Rear	23.65 in	14.24 in	1 5/8 in	9.41 in	BF99416
9200 / 9200i / 9300 / 9300i / 9400 / 9400i / 9900 / 9900i / 9900ix	Hydraulic	Fwd	20.41 in	12.96 in	1 5/8 in	7.46 in	BF99924
ISUZU							
580 LT 500	Hydraulic	Fwd	24.57 in	15.29 in	1 5/8 in	9.28 in	BF99402
580 LT 500	Hydraulic	Rear	23.65 in	14.24 in	1 5/8 in	9.41 in	BF99416
NPR-NKR HI - GMC P	Hydraulic	Fwd	23.95 in	14.79 in	1 5/8 in	9.16 in	BF99417
KENWORTH							
T300 2007-97	Gas	Fwd	25.63 in	15.85 in	1 5/8 in	9.78 in	BF78128
T400A / T450 / T600A / T800-A / W-900-B	Gas	Cabin	7.98 in	6.49 in	1 3/8 in	1.49 in	BF78162
T800 2007-97	Gas	Fwd	25.6 in	15.82 in	1 5/8 in	9.78 in	BF78159
C500, C500B, C500K, C540, C550 / Icon 900 / K100, K100E, K125, K300 / T2000, T300, T400, T400B, T450B, T600, T600A, T600B, T602, T800, T800B W900, W900B, W900L, W900S	Hydraulic	Rear	26.27 in	16.36 in	1 5/8 in	9.91 in	BF99002
C500, C500B, C500K, C540, C550 / Icon 900 / T200, T440, T470, T600, T600A, T600B, T602, T660, T680, T700, T800, T800B, T800H, T800W / W900, 900B, W900L, W900S	Hydraulic	Rear	30.51 in	18.1 in	1 5/8 in	12.41 in	BF99067
MACK							
R Series / Aero Max	Gas	Cabin	9.42 in	8.16 in	1 3/8 in	2.28 in	BF78117
CV-713 Models / Aero Max	Gas	Cabin	10.51 in	8.34 in	1 3/8 in	3.02 in	BF78189
CH, CL / MH / R, RW Series	Hydraulic	Rear	26.27 in	16.36 in	1 5/8 in	9.91 in	BF99002
PETERBILT							
300 Series	Hydraulic	Fwd	23.95 in	14.79 in	1 5/8 in	9.16 in	BF99417
Peterbilt Oe Plus / Truck Master	Hydraulic	Rear	26.27 in	16.36 in	1 5/8 in	9.91 in	BF99002
365, 367, 378, 379, 382, 384, 385, 386, 387, 388, 389, 567, 579, 587 Series	Hydraulic	Rear	30.51 in	18.1 in	1 5/8 in	12.41 in	BF99067

HEAVY DUTY SHOCK ABSORBERS PHOTOS



		
BF78117	BF78128	BF78144
		
BF78147	BF78159	BF78161
		
BF78162	BF78189	BF78490
	 NEW	 NEW
BF99001	BF99002	BF99067
		
BF99402	BF99416	BF99417
		
BF99425	BF99471	BF99918
		
BF99924		

Heavy Duty Shock Absorbers

PART #	MODEL	YEAR	SMALL DIAMETER	LARGE DIAMETER	STUD THREAD	LENGTH	OEM
HINO							
NEW BF0E0061	500 SERIES FC / FCFC9JGTZ		ø 20.20 mm.	ø 22.10 mm.	M18(1.5)	785 mm.	45440-E0061
ISUZU							
BF70160	NPR/4HG1	98-11	ø 19.68 mm.	ø 22.27 mm.	M18(1.5)	745 mm.	8-97170160-0
BF75323	NKR 55	98-11	ø 19.68 mm.	ø 22.27 mm.	M18(1.5)	680 mm.	8-97175323-0



BF0E0061



BF70160



BF75323

TANDEM BUSHINGS

EQUALIZING BEAM END BUSHINGS

PART #		CROSS REF.
BF059190	380 Series / 38K-40K, Length 5 3/4"	05919-000L
BF298781	480-520 Series, Length 5 3/4"	29878-001L
BF304370	Bronze Center Bushing (2), Center Sleeve (2), Center Seal (4), Thrust Washer (8), Grease Fitting (2)	30437-000L
BF340137	1" 8 UNC Hex Bolt (2), 1" Hardened Washer (4), 1" 8 UNC Locknut (2) - Non Shims	34013-087L
BF340138	1" 8 UNC Hex Bolt (2), 1" Hardened Washer (4), 1" 8 UNC Locknut (2), Bar Pin Shim 0.25" x 0.12 (2) W/Shims	34013-088L
NEW BFF30240	380-520 Series - Bronze Center Bushing / Repair bushing for BF304370	30240-002

TORQUE ROD END BUSHINGS

PART #	BUSHING O.D. (In.)	HOLE DIAMETER (In.)	MTG. CTRS (In.)	TYPE	CROSS REF.
BF446940	2 1/2	5/8	4 3/8	Straddle	44694-000L
BF446950	2 3/4	5/8	4 3/8	Straddle	44695-000L
BF476910	2	5/8	4 3/8	Straddle	47691-000L



BF059190



BF298781



BF304370



BF340137



BF340138



BF446940



BF446950



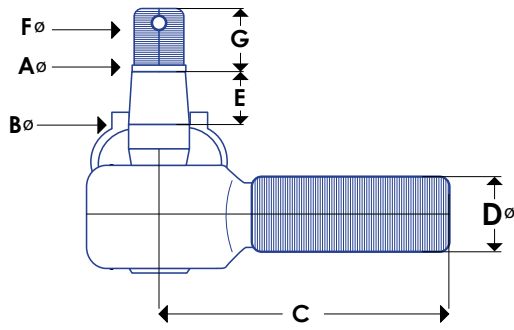
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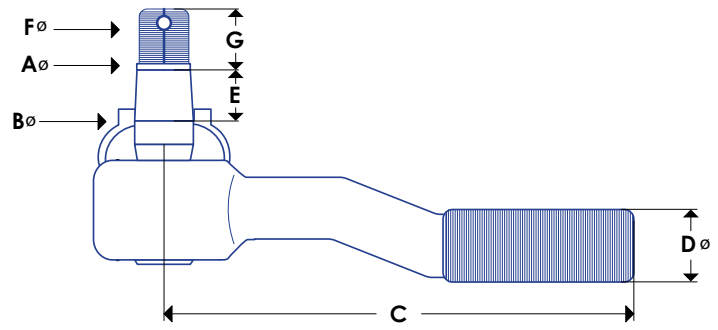
BFF30240

Draglinks - Bushings

TIE ROD ENDS MEASUREMENTS



STYLE 1



STYLE 3

A- Taper Small Diameter
 B- Taper Large Diameter
 C- Socket Length
 D- Socket Thread

E- Taper Length
 F- Stud Thread
 G- Stud Length

PART #	STYLE	A (In.)	B (In.)	C (In.)	D (In./mm)	E (In.)	F (In./mm)	G (In.)
NEW BF-00Z79LR		1.082	1.210	6.771	M56(P1.5)LR	1.338	M24(P1.5)	1.062
BF-N2015LR	1	0.755	0.874	4.330	M30(P1.5)LR	0.944	5/8(18)	0.944
ES142LR	1	0.783	0.872	3.740	1-16UNF-LR	0.709	M18(1.5)	0.826
ES187LR	1	0.966	1.104	4.881	1 1/8-12UNF-LR	1.102	7/8(14)UNF	1.141
ES2061-62LR	1	0.779	0.901	4.984	1-16LRE	0.984	3/4(16)	0.885
ES2069-70LR	1	0.895	1.033	4.881	1 1/8-12LRE	1.102	3/4(16)	1.220
ES2090-91LR	1	1.078	1.255	7.362	1 1/4-12LRE	1.417	7/8(14)	1.259
ES3030-31LR	3	1.078	1.255	12.795	1 7/8-12LRE	1.417	7/8(14)	1.259
ES3252R	1		1.252	5.748	1 1/4-12LR			
ES3274-75LR	1	1.039	1.187	5.393	1 1/8-12LRE	1.181	7/8(14)UNF	1.181
ES346LR	1	1.078	1.255	5.748	1 1/4-12LRE	1.417	7/8(14)	1.259
ES3476-77LR	1	0.966	1.104	6.259	1 1/8-12LRE	1.102	7/8(14)	1.141
ES373LR	1	0.782	0.900	4.448	1-16LRE	0.945	3/4(16)	0.905
ES411LR	1	0.966	1.104	9.173	1 1/8-12LR	1.102	7/8(14)	1.141
ES423LR	1	0.966	1.104	5.393	1 1/8-12LR	1.102	7/8(14)	1.141
ES431LR	1	1.078	1.255	5.748	1 1/4-12LRE	1.417	7/8(14)	1.259
ES653LR	1	0.757	0.870	4.566	M28(P1.5)LR	0.906	M18(P1.5)	0.984
ES844LR	1	1.078	1.255	5.393	1 1/8-12LRE		7/8(14)	1.259
NEW SE0390LR	1	0.771	0.872	4.921	M25(P1.5)LR	1.181	M18(P1.5)	0.866
SE1341LR	1	0.696	0.815	4.133	M18(P1.5)LR	0.945	M16(P1.5)	0.826
SE2361LR	1	0.646	0.709	3.740	M21(P1.5)LR	0.630	M14(P1.5)	0.787
NEW SE3080LR	1	0.688	0.767	3.740	M24(P1.5)LR	0.787	M16(P1.5)	1.023
SE3181LR	1	0.646	0.709	3.740	M20(P1.5)LR	0.630	M14(P1.5)	0.787
SE5171LR	1	0.708	0.795	4.133	M20(P1.5)LR	0.866	M16(P1.5)	1.102
SE5321LR	1	0.700	0.818	3.740	M20(P1.5)LR	0.945	M16(P1.5)	1.023
SE7831LR	1	0.728	0.822	5.629	M22(P1.5)LR	0.945	M14(P1.5)	0.944

MODEL	AXLE	YEAR	PART #
AGRALE			
Volare Micro Onibus, MA 5.5, 7.0, 7.5, 8.5, 4500, 5000, 5010, 7000, 7500, 9200			ES653LR
CHEVROLET			
1 TON		48-55	ES142LR
	F,G,K	48-59	ES142LR
		60-63	ES142LR
	P20	61-67	ES142LR
B60, B6P	7000	73-92	ES2061-62LR
B7T	9000	90-00	ES3274-75LR
	11000	90-00	ES3274-75LR
Bison	18000	79-87	ES2090-91LR
	16000	79-88	ES2090-91LR
	18000	79-87	ES3030-31LR
	16000	79-88	ES3030-31LR
	12000	79-87	ES423LR
	18000	79-87	ES431LR
	16000	79-88	ES431LR
Bruin	12000	70-72	ES187LR
	7000	79-88	ES2061-62LR
	16000	79-88	ES2090-91LR
	18000	79-88	ES2090-91LR
	16000	79-88	ES3030-31LR
	18000	79-88	ES3030-31LR
	12000	79-88	ES423LR
	13200	79-88	ES423LR
	16000	73-78	ES431LR
	18000	73-78	ES431LR
C60, C6D	7000	73-90	ES2061-62LR
	5000	73-92	ES2061-62LR
C70, C7D, C7H Kodiak	9000	90-00	ES3274-75LR
	14000	90-00	ES3274-75LR
	11000	90-99	ES3274-75LR
	12000	90-99	ES3274-75LR
C70, CD7, C7H Kodiak	7000	79-90	ES2061-62LR
	8100	83-87	ES2061-62LR
	16000	93-00	ES2090-91LR
D90, F90	12000	70-72	ES187LR
D90, F90, H70, H80, H90, J80, M90	16000	73-78	ES431LR
	18000	73-78	ES431LR
D90, F90, H70, H90, J80	16000	73-78	ES2090-91LR
H70, J70, T70	7000	78	ES2061-62LR
H90	12000	70-72	ES187LR

MODEL	AXLE	YEAR	PART #
CHEVROLET			
J70	16000	66-78	ES431LR
	18000	73-78	ES431LR
M60	5000	73-78	ES2061-62LR
	7000	73-78	ES2061-62LR
M90	12000	70-72	ES187LR
	16000	73-78	ES3030-31LR
P40	7000	79-90	ES2061-62LR
	5000	83-90	ES2061-62LR
P60	7000	83-90	ES2061-62LR
	9000	83-90	ES2069-70LR
	12000	83-90	ES2069-70LR
P6S	11000	92-96	ES3274-75LR
	5000	73-79	ES2061-62LR
S60	7000	73-79	ES2061-62LR
	13200	87-90	ES423LR
S70, S7T	11000	97-99	ES3274-75LR
	12000	97-99	ES3274-75LR
T5500, T6500, T7500, T8500	14600	97-99	ES3274-75LR
	12000	79-88	ES423LR
Titan	16000	79-88	ES423LR
	12000	79-88	ES423LR
DAIHATSU			
Delta		84-	SE3181LR
DODGE			
C1000	12000	60-73	ES187LR
	9000	60-76	ES187LR
C700	9000	61-69	ES187LR
	12000	63-69	ES187LR
C800	12000	60-73	ES187LR
	9000	60-77	ES187LR
C800, C900	12000	74-77	ES423LR
	12000	60-73	ES187LR
C850	15000	60-73	ES187LR
	9000	60-76	ES187LR
	9000	61-77	ES187LR
C900	12000	61-77	ES187LR
	15000	61-77	ES187LR
CN800, CNT800	9000	74-75	ES187LR
	12000	74-75	ES423LR

Tie Rod Ends

TIE ROD ENDS APPLICATIONS



MODEL	AXLE	YEAR	PART #
DODGE			
CN900, CNT900, CT900	15000	69-73	ES187LR
	12000	69-75	ES187LR
	9000	69-76	ES187LR
CT700	9000	60-71	ES187LR
	12000	60-71	ES187LR
CT800	12000	60-73	ES187LR
	15000	60-73	ES187LR
	9000	60-76	ES187LR
D1000	12000	74-75	ES423LR
	9000	72-77	ES187LR
	12000	72-77	ES187LR
D700	16000	72-77	ES431LR
	9000	63-71	ES187LR
D800	11000	63-68	ES187LR
	9000	63-77	ES187LR
DN1000, DNT1000	12000	73-75	ES187LR
L700	11000	63-68	ES187LR
	12000	66-71	ES187LR
	9000	69-71	ES187LR
LNI1000, LNT1000, LV1000, LVT1000	11000	63-68	ES187LR
	9000	63-71	ES187LR
	15000	63-73	ES187LR
	12000	69-71	ES187LR
EATON			
E-1000I, E-1000W, E1002I, E-1002W	10000		ES3476-77LR
E-1200I, E-1200W, E-1201W, E-1202I, E-1202W, E1203I	12000		ES3476-77LR
E-1320I, E-1320W, E-1322I, E-1322W	13200		ES3476-77LR
E-1322I, E-1322W	13200		ES2090-91LR
E-1460I, E-1460W, E1462I, E-1462W	14600		ES2090-91LR
EFA-12F3	12000		ES423LR
EFA-12F4	12000		ES423LR
EFA-13F5	13200		ES423LR
EFA-18F3	18000		ES2090-91LR
EFA-20F4	20000		ES2090-91LR
EFA-22T2, EFA-22T5	20000		ES2090-91LR
EFA-24T2, EFA-24T5	24000		ES2090-91LR
FORD			
8500 & 9500 Series Louisville 4x2 & 6x4 (New Design)	10000	96-97	ES423LR
	12000	96-97	ES423LR
	13000	96-97	ES423LR

MODEL	AXLE	YEAR	PART #
FORD			
9500 Series Aeromax 4x2 & 6x4 (New Design)	16000	96-97	ES423LR
	18000	96-97	ES423LR
	20000	96-97	ES423LR
B Series 4 x 2 School Bus	9000	73-79	ES187LR
	7000	90-94	ES2061-62LR
	6000	90-98	ES2061-62LR
	5500	73-79	ES373LR
	6000	73-83	ES373LR
	7000	73-89	ES373LR
	12000	83-97	ES423LR
	10000	87-98	ES423LR
	9000	64-83	ES187LR
	14600	62-75	ES346LR
C & CT Series 4x2 & 6x4 Trucks	6000	70-79	ES373LR
	7000	70-86	ES373LR
	10000	90	ES423LR
	12000	75-90	ES423LR
	16000	75-90	ES423LR
	18000	75-90	ES423LR
	16000	64-75	ES431LR
	12000	64-79	ES431LR
	11000	78-91	ES423LR
	12000	78-91	ES423LR
CL900, CLT900, CL9000, CLT9000	9000	73-79	ES187LR
	7000	90-94	ES2061-62LR
	6000	90-98	ES2061-62LR
	12000	61-86	ES346LR
	5000	73-79	ES373LR
	5500	73-83	ES373LR
	7000	73-88	ES373LR
	6000	73-89	ES373LR
	12000	61-97	ES423LR
	11000	76-91	ES423LR
F & FT Series	10000	87-98	ES423LR
	5000	67-77	ES373LR
F500	9000	64-66	ES187LR
HT950, H1000	12000	64-66	ES346LR
	15000	64-66	ES346LR

Tie Rod Ends

MODEL	AXLE	YEAR	PART #	
FORD				
L & LT Series Louisville 4x2 & 6x4	5000	67-86	ES373LR	
	5500	67-86	ES373LR	
	6000	67-90	ES373LR	
	7000	70-86	ES373LR	
	9000	70-83	ES423LR	
	12000	70-91	ES423LR	
	16000	75-90	ES423LR	
	18000	75-90	ES423LR	
	11000	76-91	ES423LR	
	10000	87-91	ES423LR	
	16000	70-75	ES431LR	
	18000	70-75	ES431LR	
	20000	70-75	ES431LR	
	LN500, LN600, LN700, LN750	9000	70-89	ES187LR
		5000	70-73	ES373LR
5500		70-89	ES373LR	
6000		70-97	ES373LR	
7000		70-97	ES373LR	
N1100	9000	64-65	ES187LR	
	12000	64-65	ES346LR	
N850, N950	12000	62-69	ES346LR	
NT850, NT950, N1000	12000	64-69	ES346LR	
	15000	64-69	ES346LR	
T850, T950	12000	62-69	ES346LR	
	15000	62-69	ES346LR	
	18000	64-69	ES346LR	
W900, WT900, W9000, WT9000	12000	70-75	ES431LR	
	15000	73-74	ES431LR	
FOTON				
OLLINN			SE3080LR	
FREIGHTLINER				
C112, C120 Century Class, Conventional Cab	12000		ES3476-77LR	
	12000		ES423LR	
	14600		ES423LR	
FL50, FL60, FL70, MB50, MB60, MB70	10000		ES423LR	
	12000		ES423LR	
FL80, FL106, FL112, MB80 Business Class	12000		ES423LR	
	14600		ES423LR	
	18000	97-98	ES431LR	

MODEL	AXLE	YEAR	PART #
FREIGHTLINER			
FLA, FLB, FLL Series Cab Over Engine	16000		ES2090-91LR
	18000		ES2090-91LR
	20000		ES2090-91LR
	32000		ES2090-91LR
	16000		ES3030-31LR
	18000		ES3030-31LR
	20000		ES3030-31LR
	32000		ES3030-31LR
	36000		ES3030-31LR
	40000		ES3030-31LR
	12000		ES423LR
	14600		ES423LR
	24000		ES423LR
	13200	92-94	ES423LR
	16000		ES431LR
18000		ES431LR	
20000		ES431LR	
32000		ES431LR	
36000		ES431LR	
40000		ES431LR	
FLC112 Series	12000		ES3476-77LR
	12000	86-97	ES423LR
	10000		ES423LR
	14600		ES423LR
	16000		ES431LR
FLC112 Series, FLC112SD Severe-Duty	18000		ES431LR
	20000		ES431LR
	16000		ES2090-91LR
	18000		ES2090-91LR
	20000		ES2090-91LR
FLC112SD Severe Duty	16000		ES3030-31LR
	18000		ES3030-31LR
	20000		ES3030-31LR
	14600	89-97	ES423LR
	16000		ES431LR
FLC120, FLP, FLT Series Cab Over Engine	18000	79-90	ES2090-91LR
	18000	79-90	ES3030-31LR
	12000		ES423LR
	14600		ES423LR
	18000	77-90	ES431LR

Tie Rod Ends

TIE ROD ENDS APPLICATIONS



MODEL	AXLE	YEAR	PART #	
FREIGHTLINER				
FLD112, FLD120 Conventional Cab	16000		ES2090-91LR	
	18000		ES2090-91LR	
	20000		ES2090-91LR	
	16000		ES3030-31LR	
	18000		ES3030-31LR	
	20000		ES3030-31LR	
	13200	98	ES3476-77LR	
	12000		ES423LR	
	13200		ES423LR	
	14600		ES423LR	
	16000		ES431LR	
	18000		ES431LR	
	FLD112SD, FLD120SD Conventional Cab, Severe Duty	16000		ES2090-91LR
		18000		ES2090-91LR
20000			ES2090-91LR	
16000			ES3030-31LR	
18000			ES3030-31LR	
20000			ES3030-31LR	
12000			ES3476-77LR	
13200			ES3476-77LR	
13200		92-94	ES423LR	
12000			ES423LR	
14600			ES423LR	
16000			ES431LR	
18000			ES431LR	
20000			ES431LR	
FLD132 Classic XL, Conventional Cab	16000		ES2090-91LR	
	18000		ES2090-91LR	
	20000		ES2090-91LR	
	16000		ES3030-31LR	
	18000		ES3030-31LR	
	20000		ES3030-31LR	
	12000		ES3476-77LR	
	13200		ES3476-77LR	
	14600		ES423LR	
	16000		ES431LR	
	18000		ES431LR	
	20000		ES431LR	
	Other Models Conventional & Cab Over Engine	11000		ES187LR
		12000		ES187LR
16000			ES2090-91LR	
16000			ES3030-31LR	
12000			ES346LR	

MODEL	AXLE	YEAR	PART #	
GMC				
1/2 TON	P15,P1500	60-67	ES142LR	
	P25,P2500	60-67	ES142LR	
Astro, D9K, D9L	16000	79-83	ES2090-91LR	
	18000	83-97	ES2090-91LR	
	18000	83	ES3030-31LR	
	16000	79-83	ES3030-31LR	
	18000	83	ES423LR	
	16000	79-83	ES423LR	
	18000	83	ES431LR	
	16000	79-83	ES431LR	
	B6000, B6P	6000	79-82	ES2061-62LR
		7000	79-90	ES2061-62LR
7500		83-92	ES2061-62LR	
B7T	9000	90-00	ES3274-75LR	
	11000	90-00	ES3274-75LR	
Brigadier, J8C, J9C	7000	79-88	ES2061-62LR	
	16000	79-88	ES2090-91LR	
	18000	79-88	ES2090-91LR	
	16000	79-88	ES3030-31LR	
	18000	79-88	ES3030-31LR	
	12000	79-88	ES423LR	
	13200	79-88	ES423LR	
	16000	79-88	ES431LR	
	18000	79-88	ES431LR	
	C5000, C5D Topkick	7000	75-90	ES2061-62LR
5000		78-90	ES2061-62LR	
C5500	5000	73-90	ES2061-62LR	
C6000, C6D Topkick	7000	78-90	ES2061-62LR	
	5000	78-92	ES2061-62LR	
C6500	7000	73-90	ES2061-62LR	
	7000	79-90	ES2061-62LR	
C7500, C7D, C7H Topkick	8100	83-87	ES2061-62LR	
	16000	93-00	ES2090-91LR	
	9000	90-00	ES3274-75LR	
	11000	90-00	ES3274-75LR	
	14000	90-00	ES3274-75LR	
	12000	90-99	ES3274-75LR	
	12000	66-72	ES187LR	
	16000	73-78	ES2090-91LR	
D90, D9500	18000	75-78	ES2090-91LR	
	16000	69-78	ES431LR	
	18000	73-78	ES431LR	

Tie Rod Ends



TIE ROD ENDS APPLICATIONS

MODEL	AXLE	YEAR	PART #
GMC			
F6B, F7B	11000	97-98	ES3274-75LR
	14600	97-98	ES3274-75LR
F9500	16000	73-78	ES2090-91LR
	16000	73-78	ES431LR
	18000	73-78	ES431LR
General	16000	79-88	ES2090-91LR
	18000	79-88	ES2090-91LR
	16000	79-88	ES3030-31LR
	18000	79-88	ES3030-31LR
	12000	77-88	ES423LR
	20000	86-87	ES423LR
	16000	79-88	ES431LR
H7500, H8500, H9500	16000	73-78	ES2090-91LR
	18000	73-78	ES431LR
H7500, H8500, H9500, J7500, J8500	16000	73-78	ES431LR
	7000	78	ES2061-62LR
H7500, J7500, T6000, T7500	7000	78	ES2061-62LR
J7500, M9500	16000	73-78	ES3030-31LR
J9500, M9500	16000	71-78	ES431LR
	18000	73-78	ES431LR
M9500	12000	66-78	ES187LR
P4500	7000	79-84	ES2061-62LR
	5000	79-90	ES2061-62LR
P6000, P6S, P6T	5000	83-90	ES2061-62LR
	7000	83-90	ES2061-62LR
	11000	92-96	ES3274-75LR
S7500, S7T	13200	87-90	ES423LR
	14600	87-92	ES423LR
T5500, T6500, T7500	11000	97	ES3274-75LR
	12000	97	ES3274-75LR
	14600	97	ES3274-75LR
W4		87-94	SE5171LR
HINO			
FC / FD1J		FROM 03	SE0390LR
INTERNATIONAL			
EFA-12, EFS-12F3, EFA-12F4, EFA-13F3, EFA-13F5	12000		ES423LR
	13200		ES423LR
FA101 Axle	7500		ES373LR
FA103 Axle	7500		ES373LR
FA104 Axle	8000		ES373LR
FA105 Axle	9000		ES187LR

MODEL	AXLE	YEAR	PART #
INTERNATIONAL			
FA109, FA109A Axle	9000		ES411LR
	9000		ES423LR
FA112 Axle	11000		ES187LR
	12000		ES187LR
	11000		ES411LR
	11000		ES431LR
	12000		ES431LR
FA118, FA309, I90 Axle	9000		ES411LR
FA119, FA337, FA340, FF961 Axle	12000		ES411LR
FA127, FA329, FA337 Axle	10800		ES411LR
FA136 Axle	16000		ES431LR
FA136, FA231 Axle	16000		ES2090-91LR
	16000		ES3030-31LR
FA139 Axle	12000		ES187LR
FA139, FA223, FA224, FA226, FA228, FA231 Axle	12000		ES423LR
FA182 Axle	18000		ES431LR
FA183 Axle	20000		ES431LR
FA208 Axle	9000		ES187LR
FA209 Axle	9000		ES187LR
FA211 Axle	11000		ES187LR
FA215 Axle	12000		ES187LR
FA231 Axle	16000		ES431LR
FA232 Axle	18000		ES431LR
FA232, FA233, FA238 Axle	18000		ES3030-31LR
FA232, FA238 Axle	18000		ES2090-91LR
FA233 Axle	20000		ES431LR
FA233, FA239 Axle	20000		ES2090-91LR
FA238 Axle	18000		ES431LR
	20000		ES3030-31LR
	20000		ES411LR
FA239 Axle	20000		ES411LR
	20000		ES431LR
FA241 Axle	32000		ES2090-91LR
FA242 Axle	24000		ES411LR
FA248 Axle	24000		ES411LR
FA329 Axle	10800		ES423LR
FA337, FA339 Axle	12000		ES423LR
FA342 Axle	14000		ES411LR
FA344 Axle	24500		ES411LR
FA68 Axle	5000		ES373LR
FA71 Axle	5000		ES373LR
FA73 Axle	6000		ES373LR
FA74 Axle	6000		ES373LR
FA82 Axle	12000		ES187LR

Tie Rod Ends

TIE ROD ENDS APPLICATIONS



MODEL	AXLE	YEAR	PART #
INTERNATIONAL			
FA83 Axle	12000		ES187LR
FA931 Axle	16000		ES3030-31LR
FA941 Axle	16000		ES3030-31LR
	18000		ES3030-31LR
	20000		ES3030-31LR
FF941 Axle	12000		ES423LR
FF942 Axle	13200		ES423LR
FL931 Axle	16000		ES431LR
FL941 Axle	16000		ES431LR
	18000		ES431LR
	20000		ES431LR
I100S	10000		ES411LR
I108	10800		ES411LR
I50	5000		ES373LR
I60	6000		ES373LR
ISUZU			
ELF, NHR		93-	SE5321LR
ELF, NPR		84-93	SE5171LR
KENWORTH			
C500 Conventional Cab	11000		ES187LR
	12000		ES187LR
	18000		ES2090-91LR
	20000		ES2090-91LR
	22000		ES2090-91LR
	16000		ES3030-31LR
	18000		ES3030-31LR
	20000		ES3030-31LR
	22000		ES3030-31LR
	12000		ES346LR
	12000		ES423LR
	16000		ES431LR
	18000		ES431LR
	20000		ES431LR
	22000		ES431LR

MODEL	AXLE	YEAR	PART #
KENWORTH			
C500B Conventional Cab	16000		ES2090-91LR
	18000		ES2090-91LR
	20000		ES2090-91LR
	16000		ES3030-31LR
	18000		ES3030-31LR
	20000		ES3030-31LR
	12000		ES3476-77LR
	12000		ES423LR
	13200		ES423LR
	14600		ES423LR
K100 Cab Over Engine	16000		ES431LR
	18000		ES431LR
	20000		ES431LR
	11000	TO 86	ES187LR
K100 Cab Over Engine (To 1986)	12000		ES187LR
	12000		ES346LR
	11000		ES431LR
	12000		ES431LR
	16000		ES431LR
	18000		ES431LR
K100, K100E Cab Over Engine	20000		ES431LR
	16000	FROM 86	ES2090-91LR
	18000	FROM 86	ES2090-91LR
K100, K100E Cab Over Engine (From 1986)	20000	FROM 86	ES2090-91LR
	16000		ES3030-31LR
	18000		ES3030-31LR
	20000		ES3030-31LR
	12000		ES3476-77LR
	12000		ES423LR
	13000		ES423LR
	14600		ES423LR
	16000		ES431LR
	18000		ES431LR
K300 Cab Over Engine	20000		ES431LR
	12000		ES3476-77LR
	13000		ES423LR

Tie Rod Ends



TIE ROD ENDS APPLICATIONS

MODEL	AXLE	YEAR	PART #
KENWORTH			
L700 Cab Forward	11000		ES187LR
	12000		ES187LR
	16000		ES2090-91LR
	18000		ES2090-91LR
	20000		ES2090-91LR
	16000		ES3030-31LR
	18000		ES3030-31LR
	20000		ES3030-31LR
	12000		ES346LR
	12000		ES423LR
	12000		ES431LR
	16000		ES431LR
	18000		ES431LR
	20000		ES431LR
	T2000	13200	97-98
	12000	97-98	ES423LR
T300 Series 4 x 2 Mid-Range	10000	94-98	ES3476-77LR
	12000	94-98	ES3476-77LR
T400, T600, T800			ES844LR
T400A, T400B, T450A, T450B Conventional Cab	16000		ES2090-91LR
	18000		ES2090-91LR
	20000		ES2090-91LR
	16000		ES3030-31LR
	18000		ES3030-31LR
	20000		ES3030-31LR
	12000		ES3476-77LR
	10000		ES423LR
	13000		ES423LR
	14600		ES423LR
	16000		ES431LR
T600A, T600B, T800, T800B Conventional Cab	16000		ES2090-91LR
	18000		ES2090-91LR
	20000		ES2090-91LR
	16000		ES3030-31LR
	18000		ES3030-31LR
	20000		ES3030-31LR
	12000		ES423LR
	13000		ES423LR
	14600		ES423LR
	16000		ES431LR
	18000		ES431LR
20000		ES431LR	

MODEL	AXLE	YEAR	PART #
KENWORTH			
T800B Series 8x4 Twin Steer	20000		ES2090-91LR
	20000		ES431LR
W900, W900B, W900L, W900S	12000		ES346LR
	12000		ES431LR
	16000		ES431LR
	18000		ES431LR
W900, W900B, W900L, W900S	20000		ES431LR
	11000		ES187LR
	12000		ES187LR
MACK			
B53, B57	18000		ES431LR
CH600 Series	10500	90	ES187LR
CH6000 Series	12000	91-98	ES423LR
	10500	90	ES431LR
CL600, CL700 Series	12000	93-98	ES423LR
DM400, DM600, DM800	10500		ES187LR
	18000		ES2090-91LR
	20000		ES2090-91LR
	10500		ES431LR
	12000		ES431LR
DM600, DM800	18000		ES431LR
	20000		ES431LR
	20000		ES3252R
DM600, DM800	18000		ES3252R
DM600, DM800	20000		ES3252R
DMM600 Series	16000		ES187LR
DMM600 Series 6x4 All Wheel Drive 8x4 Twin Steer Drive	18000	75-80	ES431LR
	20000	81-90	ES431LR
F700 Series 4x2 & 6x4	10500	68-81	ES187LR
	10500	68-81	ES431LR
	12000	68-81	ES431LR
FDM7000 Series 6x6 All Wheel Drive & 8x6 Twin Steer Drive	22000	94-98	ES2090-91LR
	10500	68-79	ES187LR
MB400, MB600 Series	10500	68-79	ES431LR
	12000	68-79	ES431LR
	18000	68-79	ES431LR
	20000	68-79	ES431LR
	20000	68-79	ES431LR

Tie Rod Ends

TIE ROD ENDS APPLICATIONS



MODEL	AXLE	YEAR	PART #
MAK			
MC400, MC600, MH600, MR400, MR600	10500		ES187LR
	18000		ES2090-91LR
	20000		ES2090-91LR
	12000		ES3252R
	18000		ES3252R
	20000		ES3252R
	12000		ES431LR
	18000		ES431LR
	20000		ES431LR
	R400, R600, R700	10500	
10500			ES431LR
12000			ES431LR
18000			ES431LR
R600, R700, RD400, RD600	10500		ES3252R
	12000		ES3252R
	18000		ES3252R
RD400, RD600, RD700, RD800	10500		ES187LR
	16000	83-91	ES187LR
	18000		ES2090-91LR
	20000	91-98	ES2090-91LR
	20000	91-98	ES3030-31LR
	14600	91-98	ES423LR
	10500		ES431LR
	12000		ES431LR
	18000		ES431LR
	20000		ES431LR
RL600, RL700, RS600, RS700, RWL700, RWS700 Series	18000		ES2090-91LR
	20000		ES2090-91LR
	18000		ES3030-31LR
	12000	74-86	ES423LR
	10500		ES431LR
	12000		ES431LR
	18000		ES431LR
	20000		ES431LR
RM600 Series 6x4	20000	80-90	ES431LR
RW600, RW700 Series	12000	91-93	ES423LR
	14600	91-93	ES423LR
MAZDA			
EXR, Titan		77-80	SE1341LR

MODEL	AXLE	YEAR	PART #
MERITOR			
16930, 16931	12000		ES423LR
	12000		ES431LR
17100, 17101, 17111	14600		ES431LR
27460-A, 2765A			ES187LR
FC931	7000		ES187LR
FD901, FD902, FD903	9000		ES187LR
FD931, FD933	9000		ES423LR
FD961	10000		ES423LR
FE900, FE903, FE910	11000		ES431LR
FE970	11000		ES187LR
	11000		ES431LR
FF901, FF903	12000		ES187LR
	12000		ES346LR
FF921, FF923, FF930	12000		ES423LR
	12000		ES431LR
FF930	12000		ES431LR
FF931, FF932, FF933, FF934, FF941, FF942, FF943, FF944	12000		ES423LR
	13200		ES423LR
FF931A, FF941A	12000		ES423LR
FF981, FF981, FF986	12000		ES423LR
FG931, FG933, FG941, FG943	14600		ES423LR
FL931, FL933, FL941, FL943	16000		ES3030-31LR
	18000		ES3030-31LR
	20000		ES3030-31LR
MFS08	8000		ES423LR
MFS10	10000		ES423LR
MFS13	13000		ES423LR
MFS14	14000		ES423LR
MFS16, MFS18, MFS20	16000		ES3030-31LR
	18000		ES3030-31LR
	20000		ES3030-31LR
MITSUBISHI			
Canter FE6		95-	SE7831LR
NISSAN			
UD CW483/530 - CK451		00-	BF-00279LR

Tie Rod Ends



TIE ROD ENDS APPLICATIONS

MODEL	AXLE	YEAR	PART #
PETERBILT			
310 Series	18000	78-86	ES2090-91LR
	18000	78-86	ES3030-31LR
	20000	78-86	ES3030-31LR
	12000	78-83	ES423LR
	14600	84-86	ES423LR
	18000	78-86	ES431LR
	20000	78-86	ES431LR
320 Series	20000	87-98	ES2090-91LR
	20000	87-98	ES3030-31LR
	12000	87-96	ES423LR
	14600	87-98	ES423LR
	20000	87-98	ES431LR
330 Series	12000	97-98	ES3476-77LR
	12000	95-96	ES423LR
348, 353, 359 Series	11000		ES187LR
	12000		ES187LR
	18000	74-86	ES2090-91LR
	20000	74-86	ES2090-91LR
	16000		ES2090-91LR
	18000	74-86	ES3030-31LR
	20000	74-86	ES3030-31LR
	16000		ES3030-31LR
	12000		ES346LR
	12000		ES423LR
	14600		ES423LR
	20000	74-86	ES431LR
	12000		ES431LR
	16000		ES431LR
18000		ES431LR	
357 Series	18000	87-95	ES2090-91LR
	20000	96-98	ES2090-91LR

MODEL	AXLE	YEAR	PART #
PETERBILT			
362 Series	12000		ES187LR
	16000		ES2090-91LR
	18000		ES2090-91LR
	20000		ES2090-91LR
	36000		ES2090-91LR
	16000		ES3030-31LR
	18000		ES3030-31LR
	20000		ES3030-31LR
	36000		ES3030-31LR
	12000		ES346LR
	12000		ES3476-77LR
	12000		ES423LR
	13200		ES423LR
	14600		ES423LR
	16000		ES431LR
	18000		ES431LR
	20000		ES431LR
36000		ES431LR	
372, 375, 376 Series	12000	87-96	ES423LR
377, 378, 379, 385 Series	12000	96-98	ES3476-77LR
377, 379 Series	12000	86-95	ES423LR
387 Series	20000	76-85	ES3030-31LR
TOYOTA			
Dyna		84-87	SE2361LR
Dyna 200		95-99	SE2361LR
Hiace II		83-89	SE2361LR
Hilux Pickup		83-	SE2361LR
LandCruiser		81-89	SE2361LR
Modell F Bus		82-90	SE2361LR
VOLKSWAGEN			
L80 / 680 / 690 / 7110 / 790 / 9150		95-97	ES653LR

Tie Rod Ends

KING BOLT SETS INTERCHANGES



Vendor No	Buffalo No
AGRALE	
6010.008.022.00.9	BF1106

DAIHATSU	
04431-87303	BF706

DAYTON	
300-124	BF420C
300-125	BF450A
300-129	BF466
300-131	BF469A
300-136	BF472A
300-138	BF473A
300-140	BF477AR
300-159	BF465A
300-173	BF492AR
300-182	BF504
300-188	BF517
300-195	BF505A
300-197	BF523DC
300-201	BF572DC
300-202	BF570DC
300-204	BF534B
300-207	BF537
300-209	BF722
300-212	BF539BIR
300-213	BF538BIR
300-214	BF525
300-216	BF547
300-217	BF548
300-221	BF817
300-228	BF825
300-232	BF823
300-233	BF830
300-245	BF834
300-264	BF836
300-267	BF846CB
300-274	BF841
300-275	BF842
300-276	BF849
300-288	BF852
300-289	BF858
300-303	BF867
300-305	BF868
301-133	BF470
306-162	BF700

EATON	
328346	BF867
328347	BF868
328348	BF867

Vendor No	Buffalo No
ELGIN	
KB313	BF313
KB420	BF420
KB420B	BF420B
KB420C	BF420C
KB421	BF421
KB444	BF444
KB450A	BF450A
KB465A	BF465A
KB466	BF466
KB469	BF469
KB469A	BF469A
KB470	BF470
KB472A	BF472A
KB473A	BF473A
KB477AR	BF477AR
KB478B	BF478B
KB478C	BF478C
KB478ERC	BF478ERC
KB492A	BF492A
KB492AR	BF492AR
KB504	BF504
KB505	BF505
KB505A	BF505A
KB517	BF517
KB522M	BF522M
KB523DC	BF523DC
KB525	BF525
KB534B	BF534B
KB537	BF537
KB538BIR	BF538BIR
KB539BIR	BF539BIR
KB546M	BF546M
KB547	BF547
KB548	BF548
KB570DC	BF570DC
KB571	BF571
KB572DC	BF572DC
KB602	BF602
KB605	BF605
KB645	BF645
KB700	BF700
KB706	BF706
KB722	BF722
KB817	BF817
KB823	BF823
KB825	BF825
KB826CB	BF826CB
KB829	BF829
KB830	BF830
KB834	BF834

Vendor No	Buffalo No
ELGIN	
KB836	BF836
KB838	BF838
KB841	BF841
KB842	BF842
KB846CB	BF846CB
KB848CB	BF848CB
KB849	BF849
KB850	BF850
KB852	BF852
KB853	BF853
KB858	BF858
KB861CS	BF861CS
KB867	BF867
KB868	BF868

EUCLID	
E4434B	BF450A
E4437B	BF472A
E4438B	BF477AR
E4441B	BF465A
E4442B	BF504
E4443B	BF492AR
E4447B	BF517
E4449B	BF505A
E4450B	BF534B
E4452B	BF537
E4454B	BF700
E4455N	BF539BIR
E4456N	BF538BIR
E4458B	BF547
E4459B	BF548
E4460B	BF645
E4462B	BF817
E4468B	BF823
E4469B	BF830
E4471B	BF838
E5484C	BF846CB
E6199B	BF848CB
E6450B	BF825
E6451B	BF525
E6868B	BF836
E9311B	BF466
E9313B	BF570DC
E9313N	BF523DC
E9314B	BF572DC
E9941B	BF849

FEDERAL MOGUL	
808-540B	BF722
K126	BF420
K354	BF420B

Vendor No	Buffalo No
FEDERAL MOGUL	
K365N	BF444
K448	BF420C
K450	BF450A
K452	BF505
K466	BF466
K469	BF469A
K470	BF470
K472	BF472A
K473	BF473A
K477	BF477AR
K496B	BF465A
K510B	BF504
K517	BF517
K526B	BF505A
K527B	BF523DC
K531B	BF572DC
K532B	BF570DC
K534B	BF534B
K538B	BF537
K545B	BF525
K547B	BF547
K548B	BF548
K549B	BF645
K552B	BF817
K559B	BF825
K563B	BF823
K565B	BF838
K567B	BF830
K574B	BF834
K582	BF836
K593	BF848CB
K602	BF849
K602C	BF849
K603	BF853
K609	BF841
K619C	BF852
KB541B	BF700

FORD	
214A-3111	BF444
21A-3111B	BF444
B7C-3111A	BF469A
B7QH-3111A	BF465A
B7QH-3111D	BF465A
B7QH-3111G	BF465A
B7T-3111A	BF470
B7TY-3111A	BF466
B7TZ-3111B	BF477AR
B7TZ-3111C	BF450A
C3TZ-3111B	BF504
C3TZ-3111C	BF504

Interchanges

Vendor No	Buffalo No
FORD	
C4TZ-3111B	BF505A
C5TZ-3111D	BF700
C6TZ-3111B	BF570DC
C7TZ-3111D	BF572DC
C8TZ-3111B	BF570DC
C8TZ-3111C	BF572DC
C9TZ-3111A	BF570DC
C9TZ-3111B	BF572DC
C9TZ-3111C	BF504
DOHZ-3111A	BF465A
DOHZ-3111B	BF505
D1HZ-3111A	BF465A
D2TZ-3111B	BF570DC
D2TZ-3111C	BF572DC
D5HZ-3111A	BF547
D5HZ-3111C	BF547
D5TZ-3111A	BF523DC
D5TZ-3111B	BF537
D5UZ-3111B	BF525
D6HZ-3111A	BF548
D6TZ-3111A	BF537
D7TZ-3111A	BF465A
E0TZ-3111A	BF825
E7TZ-3111A	BF537

FREIGHTLINER	
KIT144	BF450A
KIT157	BF505A
KIT170	BF700
KIT172	BF504
KIT195	BF823
KIT198	BF547
KIT199	BF534B

GMC	
12540329	BF852
15512233	BF505A
15512234	BF700
15512235	BF504
15636886	BF722
2010021	BF823
2264897	BF450A
2442145	BF505A
2452865	BF700
2470621	BF477AR
33720696	BF421
3745285	BF465A
3819717	BF492A
3927941	BF421
3927943	BF492A
5555856	BF830

Vendor No	Buffalo No
GMC	
603386	BF420
605121	BF420B
694332	BF534B
722166	BF722
8885621	BF830
8885856	BF830

HINO	
04043-2010	BF321

INTERNATIONAL	
1662306C91	BF534B
1665531C91	BF848CB
229265-R91	BF505A
229265-R92	BF505A
303136C92	BF465A
303138-C91	BF505A
303138-C92	BF505A
303138-R92	BF505A
303139C92	BF504
306921C91	BF517
306921C93	BF517
452344C91	BF534B
472094C91	BF817
474520C91	BF547
493093C91	BF817
493094C92	BF817
51007R91	BF465A
549800C91	BF823
69576-R92	BF450A
870148K92	BF504
FAK2340	BF465A
FAK4455	BF466
FAK4457	BF472A
FAK4468	BF492AR
FAK4475	BF517
FAK4478	BF523DC
FAK4482	BF572DC
FAK4483	BF570DC
FAK4487	BF537
FAK4490	BF539BIR
FAK4491	BF538BIR
FAK4492	BF525
FAK4494	BF548
FAK4495	BF645
FAK4497	BF817
FAK4498	BF817
FAK4505	BF825
FAK4509	BF830
FAK4511	BF838
FAK4518	BF817

Vendor No	Buffalo No
INTERNATIONAL	
FAK4521	BF469A
FAK4532	BF477AR
FAK4542	BF700
FAK4544	BF504
FAK4547	BF517
FAK4553	BF534B
FAK4555	BF823
FAK4558	BF547
FAK4559	BF534B
FAK4567	BF836
FAK4570	BF848CB
FAK4572	BF841
FAK4574	BF846CB
FAK4601	BF849
FAK5455	BF849
FAK5456	BF853
FAK5507	BF868

ISUZU	
5-87830-536-0	BF231
5-87830-537-0	BF232

MACK	
205SQ11	BF450A
205SQ15	BF534B
301SQ44	BF700
301SQ52	BF834
KIT195	BF823
KIT198	BF547
KIT199	BF505A

MAZDA	
0559-99-330	BF602
1316-99-330	BF605

MERITOR ROCKWELL	
KIT123	BF450A
KIT1310	BF836
KIT141	BF450A
KIT142	BF465A
KIT143	BF477AR
KIT170	BF700
KIT172	BF504
KIT178	BF517
KIT193	BF534B
R200010	BF420C
R200012	BF466
R200014	BF472A
R200025	BF492A
R200029	BF571
R200032	BF517
R200035	BF523DC

Vendor No	Buffalo No
MERITOR ROCKWELL	
R200039	BF570DC
R200040	BF570DC
R200044	BF537
R200046	BF722
R200047	BF539BIR
R200048	BF538BIR
R200049	BF505A
R200049	BF525
R200051	BF548
R200055	BF817
R200062	BF825
R200066	BF830
R200071	BF834
R200142	BF465A
R200143	BF477AR
R200170	BF700
R200172	BF504
R200193	BF534B
R200195 (ROR195)	BF823
R200198	BF547
R200222	BF469A
R200250	BF846CB
R200265	BF470
R200269	BF841
R200270	BF842
R201315 (ROR1315)	BF848CB
R201426	BF849

MOOG	
8373B	BF469

PERFECT CIRCLE	
262-1010	BF420
262-1296	BF420B
262-1337	BF469
262-1378	BF505
262-1386	BF478B
262-1388	BF478C
262-1390	BF420C
262-1391	BF517
262-1411	BF469A
262-1413	BF466
262-1414	BF465A
262-1416	BF473A
262-1417	BF472A
262-1421	BF477AR
262-1484	BF570DC
262-1502	BF572DC
262-1506	BF505A
262-1507	BF504

Vendor No	Buffalo No	Vendor No	Buffalo No
PERFECT CIRCLE		TRAYER	
262-1513	BF700	TK526	BF572DC
262-1523	BF523DC	TK537	BF537
262-1525	BF534B	TK538	BF547
262-1529	BF538BIR	TK539	BF548
262-1532	BF539BIR	TK541B	BF722
262-1537	BF537	TK542	BF525
262-1548	BF722	TK544	BF538BIR
262-1549	BF525	TK545	BF539BIR
262-1550	BF548	TK546	BF645
262-1554	BF547	TK549	BF817
262-1555	BF645	TK551	BF823
262-1558	BF817	TK553	BF825
262-1563	BF825	TK558	BF830
262-1572	BF823	TK566	BF834
262-1576	BF838	TK568	BF836
262-1582	BF830	TK602	BF846CB
262-1583	BF836	TK604	BF848CB
262-1594	BF846CB	TK609	BF841
262-1604	BF848CB	TK610	BF842
262-1635	BF849	TK613	BF477AR
TOYOTA		TK635	BF849
4431-36020	BF420	TK641	BF852
TRAYER		TK642	BF858
TK161	BF313	TK663	BF826CB
TK270	BF420	TK717	BF868
TK296	BF420B	TK718	BF867
TK337	BF469		
TK351	BF444		
TK364	BF450A		
TK378	BF505		
TK386	BF478B		
TK388	BF478C		
TK390	BF420C		
TK404	BF421		
TK411	BF469A		
TK412	BF470		
TK413	BF466		
TK416	BF473A		
TK417	BF472A		
TK473B	BF492AR		
TK482	BF504		
TK491	BF517		
TK497	BF477AR		
TK509	BF505A		
TK510	BF465A		
TK513	BF700		
TK520	BF570DC		
TK523	BF523DC		
TK525	BF534B		

Vendor No Buffalo No

CUMMINS

3406A-001C	BF911483102
3406N-001	BF901403406
3406Z07-010-A	BF3406Z07010A

DETROIT DIESEL

23513015	BF5420176100
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DINA

226H050030	BF901636032
226H050040	BF901691101
22H050080	BF5420172100

FORD

26134102	BF937534102
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FREIGHTLINER

68-04660-401	BF901636032
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GM

90540019	BF901139102
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HINO

44310-1791	BF921019902
44310-1880	BF921019302
44310-1930	BF921019302
44310-1990	BF921019902
44350-1340	BF921322421
44350-1341	BF921322421
8B23864-2232	BF921201021

ISUZU

44306-1160QA	BF443061160QA
470-04156	BF928500415
8-97084207-0	BF921019992
8-97184738-0	BF929584738
8-97354-730-0	BF4JG2
8-97946694-0	BF921046694
8-97115134-0	BF921051341

KENWORTH

2106438	BF5420248100
2106749	BF5420248100
3624-15L111	BF901536241

LUK

2105317	BF5420273100
2105333	BF5420273100
2105424	BF901636032
2105795	BF5420320100
2106032	BF901691101
2106750	BF901567502
2106751	BF5420172100
2106752	BF901520675
2107262	BF901607262
2107611	BF5420320100
2108204	BF901559101
2108216	BF901508216

Vendor No Buffalo No

LUK

2108653	BF5420267100
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LUK MEXICO

542 0032 10	BF911059221
542 0045 10	BF5420045100
542 0048 10	BF901848102
542 0065 10	BF901567502
542 0130 10	BF5420130100
542 0169 10	BF901520675
542 0172 10	BF5420172100
542 0176 10	BF5420176100
542 0191 10	BF901691101
542 0195 10	BF901636032
542 0239 10	BF5420239100
542 0248 10	BF5420248100
542 0260 10	BF901508216
542 0267 10	BF5420267100
542 0273 10	BF5420273100
542 0290 10	BF901607262
542 0320 10	BF5420320100
542 0334 10	BF901607262
542 0359 10	BF901559101

MERCEDES

A0014603180	BF901848102
A001460438	BF5420045100
A0014605280	BF901848102
A0014606080	BF911059221

MITSUBISHI

MC093701	BF920903701
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NAVISTAR

1663204C91	BF5420130100
1681047C91	BF5420239100
1682625C91	BF5420176100
1686649C91	BF5420273100
2005337C91	BF5420320100
2005337C92	BF5420320100
3514596C91	BF901607262
3538860C91	BF5420267100

NISSAN

14570-Z5660	BF921056602
14670-Z5501	BF921255012
475-04250	BF921056602
475-04345	BF921056602
49110-0T002	BF921200042
49110-2BA02	BF920807004
49110-EB700	BF920807004

OE

21419252	BF920992521
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OEM

4938310	BF911483102
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Vendor No Buffalo No

OEM

96HU 3A674 AA	BF910959052
EV221618R101	BF901822162
MAC38QC375	BFV10F1P7P38D5
V10F1P7P38D5G20	BFV10F1P7P38D5
V20F1P9P38C6G20	BFV20F

OPEL

5948012	BF901139102
90540019	BF901139102
948062	BF901139102

SAGINAW

3815984	BF7841933
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TOYOTA

44310-35610	BF4431035610
44320-60220	BF4432060220
44320-87304	BF921087304

TRW

PS3224-15R103	BF901532242
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VAUXHALL

93175490	BF901139102
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VOLVO

3082374	BF901520675
3936348	BF901567502
8086541	BF901508216

ZF

7673 975 816	BF918758161
7674 955 343	BF911655343
7674 975 960	BF911575962
7683 975 905	BF910959052
7684 975 922	BF911059221
7685 955 184	BF7684955184
7685 955 301	BF911555301
7691 955 199	BF3406A010B
8001 869	BF5420045100

SHOCK ABSORBERS INTERCHANGES



Vendor No	Buffalo No	Vendor No	Buffalo No	Vendor No	Buffalo No	Vendor No	Buffalo No
GABRIEL		GABRIEL		GABRIEL		KYB	
14024	BF690002	69418	BF280002	G60177	BF290019	443300	BF580021
14300	BF690001	69424	BF290022	G60177	BF290020	443301	BF290008
18243	BF290004	69437	BF480006	G63495	BF290005	443399	BF490001
18253	BF290009	69519	BF280007	G63516	BF290017	444012	BF290004
21028	BF290001	706001	BF590034	G63799	BF290022	444024	BF290009
21032	BF290008	706019	BF590007	G63813	BF290026	444107	BF290014
21033	BF290010	706021	BF590001	G707003	BF580014	444114	BF290017
21034	BF290011	706022	BF590002	G707004	BF580013	444135	BF290013
30215	BF290008	706062	BF590012			445016	BF290020
35293	BF590010	706063	BF590013	KYB		553108	BF290015
35293	BF590011	706081	BF590016	332018	BF590009	553142	BF290015
35294	BF590014	706081	BF590017	332504	BF590014	553160	BF290007
35294	BF590015	79215	BF590015	332505	BF590015	553171	BF290005
41070	BF290015	79216	BF590014	333295	BF580018	553209	BF290006
42575	BF290002	81562	BF290001	333417	BF590012	554080	BF290014
46002	BF290012	83337	BF290004	333418	BF590013	632033	BF590009
46028	BF290018	83454	BF280001	333419	BF580006	632048	BF590005
46033	BF290021	906034	BF580010	333420	BF580007	633061	BF590002
46034	BF290002	906065	BF590003	334464	BF580023		
46037	BF490001	906065	BF590004	334465	BF580024	MONROE	
46068	BF290005	906066	BF590008	334700	BF580019	1000	BF290009
46071	BF290013	906066	BF590009	334701	BF580020	1000	BF290012
46072	BF290006	95094	BF590036	339029	BF580004	10025	BF590005
46078	BF290025	D4445	BF290007	339030	BF580005	10025	BF590006
46081	BF290003	G22185	BF280005	340033	BF480004	1004	BF290004
51065	BF490003	G22185	BF280001	341232	BF480001	1094	BF290006
51240	BF480001	G35863	BF480001	341351	BF580021	1138	BF290003
55613	BF590020	G51039	BF480003	341352	BF580022	2066	BF290025
55614	BF590021	G51747	BF490001	341355	BF480002	2113	BF290005
55749	BF590005	G54159	BF580004	341372	BF480009	23991	BF480005
55749	BF590006	G54159	BF580005	341397	BF480007	23992	BF280007
55756	BF590028	G54160	BF580004	341398	BF480008	32206	BF290026
55756	BF590029	G54160	BF580005	343199	BF290004	32217	BF290013
55772	BF580003	G54161	BF580006	343301	BF290010	32222	BF290018
55779	BF580001	G54161	BF580007	343304	BF290008	32223	BF290001
55779	BF580002	G54162	BF580006	343412	BF280007	32245	BF290016
58026	BF290024	G54162	BF580007	343418	BF480005	32316	BF290022
58027	BF290017	G55749	BF590005	343432	BF290010	34730	BF280003
58028	BF290014	G55749	BF590006	343478	BF290011	34803	BF280002
58114	BF290020	G55772	BF580003	344207	BF290017	34959	BF280001
58115	BF290019	G56518	BF590020	344288	BF280001	5794	BF490001
63100	BF290023	G56518	BF590021	344305	BF290013	6717	BF290019
63479	BF290016	G56886	BF580001	344363	BF280008	6717	BF290020
63510	BF290007	G56886	BF590012	344421	BF280003	6717	BF290017
69001	BF480005	G56887	BF580002	349008	BF290021	6828	BF290021
69065	BF490002	G56887	BF590013	442015	BF290002	6841	BF290007
69067	BF590007	G60007	BF280002	443186	BF480008	6860	BF290014
69128	BF290011	G60023	BF280003	443216	BF290005	71352	BF480001
69412	BF290010	G60101	BF290015	443241	BF290007	71590	BF590020
69417	BF280003	G60128	BF290021	443259	BF290006	71591	BF590021

Vendor No	Buffalo No
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MONROE

71730	BF590008
71730	BF590009
71805	BF590005
71805	BF590006
71818	BF590028
71818	BF590029
71851	BF580001
71851	BF580002
71852	BF580003
71888	BF590003
71888	BF590004
72295	BF590013
72296	BF590012
D0029	BF580023
D4434	BF290017
D4441	BF290004
D4441	BF290015
D8004	BF290015
D8343	BF280001
D8409	BF290014
D8975	BF480004
E1251	BF290008
G1084	BF290011
G22709	BF290010
G7288	BF580007
G7289	BF580006
G8089	BF580004
G8089	BF580005
G8090	BF580004
G8090	BF580005
G8803	BF580019
G8804	BF580020
R-2643	BF290002
R1004	BF290009
R1643	BF290008
SC2941	BF690003
SC2946	BF690002
SC2957	BF690002
V4001	BF590002
V4002	BF590002

OEM

182193	BF290022
182310	BF290026
183016	BF290025
183033	BF290023
183085	BF290021
183468	BF290024
371086	BF480003
372246	BF480006

Vendor No	Buffalo No
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OEM

382243	BF490003
382244	BF490002
38511-35280	BF290016
41601-64J00	BF580023
41601-86040	BF590005
41602-64J00	BF580024
41602-85200	BF590002
41602-86060	BF590006
41700-79510	BF290002
45700-60020	BF690002
471217	BF580001
471218	BF580002
471250	BF580003
473725	BF580010
473773	BF580013
473774	BF580014
481017	BF590034
481161	BF590029
481162	BF590028
483250	BF590036
483363	BF590035
48510-0k020	BF480007
48510-0K100	BF480009
48510-69086	BF480001
48511-60120	BF290017
48511-69035	BF290009
485191	BF590020
485192	BF590021
48520-0K020	BF480008
48531-39675	BF290007
48531-60110	BF290014
48531-69025	BF290003
48531-69065	BF290004
48531-69565	BF290012
48531-69606	BF280001
48810-86160	BF290001
54650-02020	BF590017
54660-02020	BF590016
55310-02000	BF290010
583014	BF690003
6001547072	BF480005
8-94223-293-1	BF290015
8-94312-814-1	BF690001
8-97022-651-0	BF290005
8-97083-027-0	BF290020
8-97083-035-0	BF290019
8-97236-299-0	BF480002
8-97368-559-0	BF280002
8-97368-598-0	BF280003
93248261	BF590007

Vendor No	Buffalo No
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OEM

95621729	BF580008
95621730	BF580009
96316781	BF290008
96336487	BF590011
96336488	BF590010
96407819	BF580005
96407820	BF580004
96407821	BF580007
96407822	BF580006
96424025	BF590015
96424026	BF590014
96424027	BF290011
96586885	BF590013
96586886	BF590012
B.00134799C	BF590003
B.00134900C	BF590004
BC8W-28-700B	BF580017
BC8W-28-900B	BF580018
BC8W-34-700F	BF580015
BC8W-34-900F	BF580016
BG6228900A	BF590009
BG628700A	BF590008
BP4K-28-910D	BF280007
BP4K-34-700F	BF580019
BP4K-34-900F	BF580020
GM6A-28-700A	BF280008
GM9A-34-700A	BF580021
GM9A-34-900A	BF580022
MR992321	BF480004
UB39.28.700	BF290006
UC86.34.700	BF290013
UC88-28-700	BF290018

Interchanges

HEAVY DUTY SHOCK ABSORBERS INTERCHANGES



Vendor No	Buffalo No	Vendor No	Buffalo No
GABRIEL		MONROE	
83019	BF78117	65102	BF99002
83025	BF78162	65128	BF78128
83041	BF78189	65139	BF99918
83054	BF78161	65144	BF78144
85001	BF99002	65147	BF78147
85031	BF78128	65159	BF78159
85067	BF99067	65490	BF78490
85070	BF78159	65495	BF99067
85307	BF99001	66117	BF78117
85311	BF99417	66161	BF78161
85705	BF99416	66162	BF78162
85711	BF99402	66189	BF78189
85724	BF99425	66426	BF99924
85736	BF99471	74001	BF99001
85918	BF99918	74402	BF99402
85924	BF99924	74416	BF99416
85957	BF78144	74417	BF99417
89443	BF78490	74425	BF99425
89457	BF78147	74471	BF99471

DRAG LINKS INTERCHANGES

HINO		ISUZU	
45440-E0061	BF0E0061	8-97170160-0	BF70160
		8-97175323-0	BF75323

TANDEM BUSHINGS INTERCHANGES

HENDRICKSON		MERITOR	
05919-000L	BF059190	R301339	BF059190
29878-001L	BF298781	R301546	BF304370
30240-002	BF30240	R302225	BF446940
30437-000L	BF304370	R302226	BF446950
34013-087L	BF340137	R302771	BF298781
34013-088L	BF340138	R305275	BF476910
44694-000L	BF446940	R309325	BF340137
44695-000L	BF446950	R309326	BF340138
47691-000L	BF476910		

Vendor No	Buffalo No
555	
SE-1341L	SE1341LR
SE-1341R	SE1341LR
SE-2361L	SE2361LR
SE-2361R	SE2361LR
SE-3181L	SE3181LR
SE-3181R	SE3181LR
SE-5171L	SE5171LR
SE-5171R	SE5171LR
SE-5321L	SE5321LR
SE-5321R	SE5321LR
SE-7831L	SE7831LR
SE-7831R	SE7831LR

AGRALE	
6006007132005	ES653LR
6006007133003	ES653LR

DAIHATSU	
45046-39065	SE2361LR
45046-39095	SE2361LR
45046-87380	SE3181LR
45046-87670	SE3181LR

FOTON	
BJ1046E6-3003080B	SE3080LR
BJ1046E6-3003080C	SE3080LR

HINO	
S4540-E0390	SE0390LR
S4550-E0390	SE0390LR

ISUZU	
8-94419-608-2	SE5171LR
8-94419-609-2	SE5171LR
8-97107-348-0	SE5321LR
8-97107-349-0	SE5321LR

MAZDA	
W023-99-322	SE1341LR
W023-99-323	SE1341LR

MERITOR	
R230018	ES373LR
R230019	ES373LR
R230028	ES411LR
R230029	ES411LR
R230034	ES2061-62LR
R230035	ES2061-62LR
R230036	ES2069-70LR
R230037	ES2069-70LR
R230060	ES187LR
R230061	ES187LR
R230066	ES346LR

Vendor No	Buffalo No
MERITOR	
R230067	ES346LR
R230068	ES423LR
R230069	ES423LR
R230070	ES431LR
R230071	ES431LR
R230072	ES2090-91LR
R230073	ES2090-91LR
R230104	ES3030-31LR
R230105	ES3030-31LR
R230139	ES3476-77LR
R230140	ES3476-77LR
R230141	ES3274-75LR
R230142	ES3274-75LR
R250350	ES3252R

MITSUBISHI	
MK384672	SE7831LR
MK384673	SE7831LR

MOOG	
ES-142L	ES142LR
ES-142R	ES142LR
ES-187L	ES187LR
ES-187R	ES187LR
ES-2069R	ES2069-70LR
ES-2070L	ES2069-70LR
ES-3253R	ES3252R
ES-346L	ES346LR
ES-346R	ES346LR
ES-3476L	ES3476-77LR
ES-3477R	ES3476-77LR
ES-373L	ES373LR
ES-373R	ES373LR
ES-411L	ES411LR
ES-411R	ES411LR
ES-431L	ES431LR
ES-431R	ES431LR
ES2061L	ES2061-62LR
ES2062R	ES2061-62LR
ES2090L	ES2090-91LR
ES2091R	ES2090-91LR
ES3030R	ES3030-31LR
ES3031L	ES3030-31LR
ES3031L	ES3030-31LR
ES3274L	ES3274-75LR
ES3275R	ES3274-75LR
ES423L	ES423LR
ES423R	ES423LR

NISSAN	
48570-00Z79	BF-00Z79LR
48571-00Z79	BF-00Z79LR

Vendor No	Buffalo No
SPICER	
401-1006	ES142LR
401-1007	ES142LR
401-1059	ES373LR
401-1060	ES373LR
401-1091	ES411LR
401-1092	ES411LR
401-1099	ES423LR
401-1100	ES423LR
401-1115	ES431LR
401-1116	ES431LR
401-1212	ES2061-62LR
401-1213	ES2061-62LR
401-1217	ES2069-70LR
401-1218	ES2069-70LR
401-1226	ES2090-91LR
401-1227	ES2090-91LR
401-1701	ES3476-77LR
401-1702	ES3476-77LR
401-1756	ES3274-75LR
401-1757	ES3274-75LR
405-1045	ES3030-31LR
405-1046	ES3030-31LR
N2015LR	BF-N2015LR
SP692041	ES187LR
SP692042	ES187LR
SP692158	ES346LR
SP692159	ES346LR

TRW	
ES142L	ES142LR
ES142R	ES142LR
ES187L	ES187LR
ES187R	ES187LR
ES2061L	ES2061-62LR
ES2062R	ES2061-62LR
ES2069R	ES2069-70LR
ES2070L	ES2069-70LR
ES2090L	ES2090-91LR
ES2091R	ES2090-91LR
ES3030R	ES3030-31LR
ES3031L	ES3030-31LR
ES3274L	ES3274-75LR
ES3275R	ES3274-75LR
ES3476R	ES3476-77LR
ES3477L	ES3476-77LR
ES373L	ES373LR
ES373R	ES373LR
ES411L	ES411LR
ES411R	ES411LR
ES423L	ES423LR

Vendor No	Buffalo No
TRW	
ES423R	ES423LR
ES431L	ES431LR
ES431R	ES431LR
ES653L	ES653LR
ES653R	ES653LR
ES844L	ES844LR
ES844R	ES844LR
TE4255	BF-N2015LR

VOLKSWAGEN	
T06415711	ES653LR
T06415712	ES653LR

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