



SMALL PARTS



J300P-9
MAY 2004

**Replaces
J300-P9 Dated
April, 2002**

Roadranger®
MORE TIME ON THE ROAD™

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TABLE OF CONTENTS

Balance Weight	5
Bearing Cap Hardware	11
Bearing Retainer Assembly	11
Bearing Seal Protector	12
Bearing Strap Assembly	10
Bolts, Flange/ Flange Yoke	7
Bolts, Nuts, Hardware	6
Boot Kit	8
Cap & Bolt Assembly	11
Dust Cap, One Piece	14
Dust Cap Assembly	13
Dust Cap Dimensions	15
Dust Cap Seal Dimensions	14
Dust Cap Washer Dimensions	15
Lube Fittings	8
Key, Square	17
Key, Woodruff	17
Lock Strap, Full Round, SPL	12
Lockwasher	7
Lockwire, 1/2 Round	12
Nuts & Bolts	6
Plug, Cup	3
Plug, Flat	4
Plug, Welch	4
Shipping Strap	12
Snap Ring	9
Spring Tab	12
Tube Deadener	16
U-Bolt Assembly	10
Washer, Coupling Shaft	16



Cup Plugs

Type	Outside Dia.	Height	Dia. of Vent Hole	Material	Spicer Part Number
1	1.203	0.265	0.125	STEEL	1-68-14
1	1.375	0.250	None	STEEL	2-68-44
1	1.625	0.250	None	STEEL	2-68-144
1	1.750	0.250	0.125	STEEL	2-68-134
1	1.875	0.250	None	STEEL	2-68-154
1	1.938	0.440	0.094	STEEL	3-68-54
1	1.947	0.620	None	STEEL	3-68-34
1	2.188	0.688	None	STEEL	3-68-44
1	2.188	0.688	0.094	STEEL	5-68-54
1	2.188	0.910	None	STEEL	5-68-154
1	2.688	0.250	0.125	STEEL	6-68-44
1	2.688	0.250	.125-27 NPT	STEEL	6-68-54
1	2.688	0.560	0.125	STEEL	6.3-68-54
1	2.688	1.000	0.090	STEEL	6-68-24
1	2.688	1.090	0.125	STEEL	6.3-68-14
1	2.750	0.380	None	STEEL	8-68-34
1	2.875	0.250	0.125	STEEL	6-68-34
1	3.188	0.810	0.125	STEEL	6.5-68-44
1	3.320	0.560	0.125	STEEL	6.5-68-34
1	3.562	0.750	None	STEEL	6.5-68-24
1	4.562	0.340	0.125	STEEL	8-68-24
2	2.360	0.725	0.375	NYLON	5-68-234
2	2.360	1.225	0.375	NYLON	5-68-184
2	2.375	0.725	0.125	NYLON	5-68-16
2	2.375	0.725	0.438	NYLON	5-68-224
2	2.375	1.225	0.125	NYLON	5-68-174
2	2.385	1.695	None	NYLON	5-68-194
2	2.385	1.695	None	NYLON	5-68-144
2	2.860	0.785	0.375	NYLON	6-68-84
2	2.860	1.500	0.375	NYLON	6-68-94
2	2.875	0.781	0.125	NYLON	6-68-64
2	2.875	1.500	0.125	NYLON	6-68-74
2	3.360	0.725	0.125	NYLON	6.5-68-64
2	3.360	1.535	0.125	NYLON	6.5-68-74



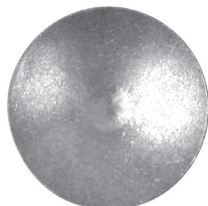
Style 1



Style 2



Flat Plugs



Diameter	Dia. of Vent Hole	Material	Spicer Part Number
1.312	0.125	STEEL	2-68-153
1.438	0.125	STEEL	3-68-23
1.438	.125-27 NPT	STEEL	2-68-283
1.688	0.125	STEEL	3-68-163
1.812	0.125	STEEL	4-68-143
1.812	.125-27 NPT	STEEL	4-68-123
3.062	0.125	STEEL	8-68-13

Welch Plugs



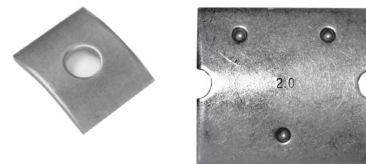
Diameter	Dia. of Vent Hole	Material	Spicer Part Number
1.156	None	STEEL	232415
1.250	None	STEEL	500166-19
1.312	None	STEEL	500166-20
1.312	0.125	STEEL	2-68-23
1.375	0.090	STEEL	2-68-253
1.438	0.125	STEEL	3-68-23
1.438	.125-27 NPT	STEEL	2-68-28X
1.500	None	STEEL	500166-23
1.562	None	STEEL	500166-24
1.562	0.125	STEEL	3-68-33
1.688	None	STEEL	3-68-183
1.688	0.125	STEEL	3-68-163
1.812	0.125	STEEL	4-68-143
1.812	.125-27 NPT	STEEL	4-68-38X
1.938	None	STEEL	500166-31
2.062	0.125	STEEL	4-68-43
2.562	0.125	STEEL	6.5-68-13
2.562	.125-27 NPT	STEEL	6-68-63
2.750	0.125	STEEL	5-68-33



Balance Weights

Weight (oz.)	Style	Spicer Part Number
0.62	1	231546-2
0.75	1	231817-5*
0.96	1	231817-6*
0.98	1	231546-3
0.66	4	231536-2
0.70	5	232698-3 (SPL)
1.70	1	232698-7 (SPL)
1.78	5	98-1492-6
0.13	1	231817-9*
0.15	2	230701-1
0.18	2	98-1562-1
0.19	1	231817-1*
0.25	2	98-1562-2
0.27	1	231817-2*
0.36	1	231817-3*
0.43	1	231546-1
0.45	2	98-1562-3
0.45	3	231536-2
0.46	4	231546-1
0.50	6	232698-1 (SPL)
0.56	1	231817-4*
1.00	1	232698-4 (SPL)
1.05	4	231536-3
1.20	1	232698-5 (SPL)
1.25	1	231817-7*
2.00	1	232698-8 (SPL)

* Stainless steel weight for aluminum shafts



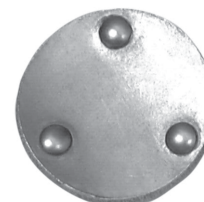
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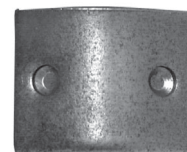
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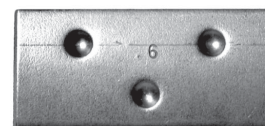
Style 3
(Bent)



Style 4



Style 5
(Curved)



Style 6



Bolts



Head: Hex/ 12pt Allen	Self Locking (Y or N)	Grade	Thread Size	Hex.	Overall Length Under Head	Thread Length	Part Number
12 Pt	Y		.250-28	0.312	0.625	0.625	231401 <i>Bearing Strap Bolt</i>
12 Pt	Y		.250-28	—	1.250	1.250	4-73-120
Hex	N	8	.312-24	0.500	1.750	1.000	5-73-1228
Hex	N		.312-24	0.500	1.250	1.000	5-73-220
Hex	Y		.312-24	0.312	0.750	0.750	231142 <i>Bearing Strap Bolt</i>
Hex	Y		.312-24	0.500	0.500	0.500	5-73-709
Hex	Y	8	.312-24	0.500	0.565	0.565	5-73-109
Hex	Y		.375-24	—	0.750	0.750	6-73-412 <i>Bearing Strap Bolt</i>
Hex	Y		.375-24	0.562	0.562	0.562	6-73-209
Hex	Y	8	.375-24	0.562	0.625	0.500	6-73-109
Hex	Y		.438-20	0.625	0.875	0.875	7-73-315
12 Pt	Y		.500-20	—	1.000	1.000	8-73-316 <i>Bearing Strap Bolt</i>
Hex	Y	8	M10-1.25	0.630	0.620	0.620	10-73-114M
Hex	N		M6-1.00	0.394	0.630	0.630	6-73-116M
Hex	N		M8-1.00	0.512	0.551	0.551	5-73-509M
Hex	Y		M8-1.00	0.312	0.551	0.551	8-73-114M
Hex	Y		M8-1.00	0.312	0.750	0.750	231402 <i>Bearing Strap Bolt</i>
12 Pt	Y	10.9	M12-1.25	—	1.000	1.000	12-73-125M <i>Bearing Strap Bolt</i>

Nuts



Self Lock (Y or N)	Thread Size	Hex	Thickness	Part Number
N	.312-24	0.500	0.266	231421-2
N	.375-24	0.562	0.328	231421-3
N	.438-20	0.625	0.375	231421-4
N	.500-20	0.750	0.738	231421-5
N	.625-18	1.125	0.547	231421-7
N	1.250-18	1.312	0.550	24-74-21



Bolts, Lockwashers and Nuts for Companion Flange/ Brake Disc/ Flange Yoke Connections



Series	BOLT DATA		APPLICATION DATA						
	Thread Size	Under Head Length	Comp. Flange Thick.	Flange Yoke Thick.	Brake Disc Thick.	Bolt Part Number	Uses L'Washer Number	Uses Nut Number	Bolt Torque (Lb. Ft.)
1000/ 1100	.312-24	0.875	0.250	0.203	—	5-73-414	500357-10	231421-2	22-25
1310	.375-24	1.000	0.280	0.255	—	6-73-316	500357-11	231421-3	40-48
1330/ 1350/ 1410	.438-20	1.188	0.312	0.322	—	7-73-219	500357-12	231421-4	63-75
1330/ 1350/ 1410	.438-20	1.625	0.312	0.322	0.375	7-73-126	500357-12	231421-4	63-75
1480/ 1550	.500-20	1.375	0.375	0.375 (1480) 0.410 (1550)	—	8-73-122	500357-13	231421-5	97-116
1480/ 1550	.500-20	1.88	0.312 0.375	0.375 (1480) 0.410 (1550)	0.375	8-73-228	500357-13	231421-5	97-116
1610	.375-24	1.188	0.312	0.375	—	6-73-1219	500357-11	231421-3	40-48
1610	.375-24	1.562	0.312 0.375	0.375	0.375	6-73-325	500357-11	231421-3	40-48
1710	.375-24	1.688	0.375	0.375	0.375	6-73-122	500357-11	231421-3	40-48
1760/ 1810	.437-20	1.75	0.375	0.375, 0.438	0.375	7-73-228	500357-11	231421-3	40-48
SPL100/ 1610/ SPL140/ 1710	.375-24	1.25	0.375	0.375	—	6-73-220	500357-11	231421-3	40-48
SPL140/ SPL170/ SPL250/ 1760	.438-20	1.375	0.375	0.375	—	7-73-122	500357-12	231421-4	63-75
1810/1880/ 1900	.625-18	1.938	0.625	0.562	—	10-73-131	232233	231421-7	194-232

Shaft Nuts

Th'd size	Part Number	Nut Finish	Torque to (lb. ft.)
.625-18	231781	CADMIUM	100-120
1.000-20	16-74-101	BLACK	400-450
1.000-20	16-74-101	SILVER	275-325
1.250-18	231502 (1)	BLACK	700-750
1.250-18	231502	SILVER	475-525
1.250-18	24-74-21	BLACK	1000-1500
1.250-18	20-74-91 (2)	CADMIUM	475-525
M30 X 2	250-74-11	CADMIUM	475-525



(1) Flange Diameter is 2.125"

(2) Flange Diameter is 2.500"



Important: See Safety Information in General Information Section (J300P-GI)

Boot Kits



Lg. Dia. Boot	Sm. Dia. Boot	Boot Length	Boot Part Number	Lg. Clamp Part Number	Sm. Clamp Part Number	Spicer Part Number
1.500	0.940	2.438	231705	231438-1	231438-9	211513X
1.670	1.140	4.070	232485	231438-4	231438-6	211916X
1.670	1.140	5.030	232557	231438-4	231438-6	211932X
1.670	1.230	4.830	231841	231438-4	231438-6	211503X
2.500	1.500	5.340	231261	231438-2	231438-1	211344X
2.500	1.660	5.340	231597	231438-2	231438-4	211462X
2.768	2.768	10.331	70.13-19	231438-24	231438-24	212146X (3)
3.787	3.787	7.953	232756	232757	232757	212059X (2)
4.141	4.141	11.417	232701-2	232702	232702	211987X (1)
4.508	4.508	7.953	232695-1	232493	232493	211959X (1)

(1) SPL170/250

(2) SPL140

(3) SPL100

Lube Fittings



Style	Th'd size	Hex	Overall Length	Spicer Part Number
1	.125-27NPT	0.438	0.660	500168-2
1	.250-28	0.312	0.540	500174-1
1	.250-28	0.312	0.680	500174-2
2	.250-28	0.312	0.410	231209
2	#10-32	0	0.344	230977
3	.125-27NPTF	—	—	232830

Installs w/screwdriver

Installs w/screwdriver

Use pliers to tighten

Snap Rings

Style	Fits Brg. Dia.	Thick (+or-0.0005)	Color	Spicer Part Number
1	0.938	0.058	NONE	1-7-29
1	1.062	0.055	GREEN	2-7-469
1	1.062	0.057	PURPLE	2-7-329
1	1.062	0.058	COPPER	2-7-419
			<i>Spec for use w/shipping strap</i>	
1	1.062	0.058	COPPER	2-7-409
			<i>Spec for use w/wheel jt.</i>	
1	1.062	0.058	NONE	2-7-4
1	1.062	0.059	COATED	2-7-359
1	1.062	0.059	COPPER	2-7-29
1	1.062	0.060	SILVER	2-7-49
1	1.062	0.062	COATED	2-7-489
1	1.062	0.063	YELLOW	2-7-449
1	1.062	0.065	BLUE	2-7-459
1	1.188	0.058	NONE	3-7-39
1	1.188	0.059	COPPER	3-7-4
1	1.188	0.060	COATED	3-7-229
1	1.188	0.061	SILVER	3-7-49
1	1.188	0.062	YELLOW	3-7-269
1	1.375	0.058	NONE	3-7-89
1	1.375	0.060	COPPER	3-7-109
1	1.375	0.062	YELLOW	4-7-69
1	1.625	0.093	BLACK	5-7-29-2
1	1.625	0.093	COPPER	5-7-29-3
1	1.625	0.095	SILVER	5-7-29-4
2	0.938	0.058	NONE	10-7-29
2	1.062	0.058	NONE	2-7-429
			<i>Xtra thick, used in Mercruiser kit no. 5-589X</i>	
2	1.062	0.058	NONE	2-7-99
			<i>Spec for use w/wheel jt.</i>	
2	1.062	0.060	NONE	2-7-299
2	1.102	0.060	COPPER	2-7-369
2	1.125	0.058	NONE	2-7-529
2	1.188	0.058	NONE	3-7-99
2	1.375	0.060	NONE	3-7-129
3	1.062	0.058	NONE	2-7-309



Style 1

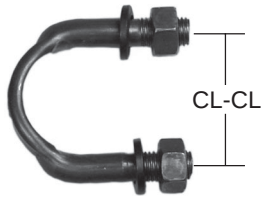


Style 2



Style 3

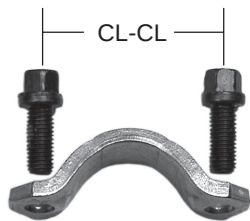




U-bolt Assemblies

2 U-bolts and 4 Nuts each

Joint Series	Thread Dia.	CL-CL	Fits Bearing Cap Dia.	U-bolt No.	L'washer No.	Nut No.	Nut Torque (Lb. Ft.)	Part Number
1210	.312-24	1.416	1.062	2-94-29	500357-10	231421-2	14-17	2-94-28X
1310	.312-24	1.416	1.062	2-94-29	500357-10	231421-2	14-17	2-94-28X
1330	.312-24	1.416	1.062	2-94-29	500357-10	231421-2	14-17	2-94-28X
1330 Special	.312-18	1.590	1.125	2-94-69	500356-10	231421-2	17-24	2-94-58X
1350	.375-24	1.666	1.188	3-94-19	500357-11	231421-3	20-24	3-94-18X
1410	.375-24	1.666	1.188	3-94-19	500357-11	231421-3	20-24	3-94-18X
1480	.438-20	1.914	1.375	3-94-29	500357-12	231421-4	32-37	3-94-28X
1550	.438-20	1.914	1.375	3-94-29	500357-12	231421-4	32-37	3-94-28X
3R	.312-18	1.590	1.125	2-94-69	500356-10	231421-2	17-24	2-94-58X



Bearing Strap Assemblies

2 straps and 4 bolts each

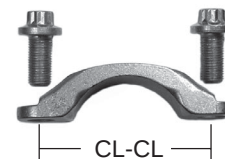
Joint Series	Fits Brg. Cap Dia.	Thread Dia.	Bolt Length	Strap No.	Bolt No.	CL-CL	Bolt Torque (Lb. Ft.)	Part Number
SPL90/100	1.625	.375-24	.750	90-70-19	6-73-412	2.312	45-60	90-70-28X
1210	1.062	.250-28	.625	2-70-59	231401	1.587	13-18	2-70-18X
1310	1.062	.250-28	.625	2-70-59	231401	1.587	13-18	2-70-18X
1330	1.062	.250-28	.625	2-70-59	231401	1.587	13-18	2-70-18X
1330	1.062	.250-28	1.438	2-70-39	230914	1.587	13-18	2-70-28X
1350	1.188	M8 X 1.0	19.05MM	3-70-89	231402	1.806	13-18	3-70-48X
1410	1.188	.312-24	.750	3-70-89	231142	1.806	25-30	3-70-28X
1480	1.375	.375-24	.750	3-70-99	6-73-412	2.130	55-60	3-70-38X
1550	1.375	.375-24	.750	3-70-99	6-73-412	2.130	55-60	3-70-38X
1610	1.875	.375-24	.750	5-70-119	6-73-412	2.500	45-60	5-70-28X
1710	1.938	.500-20	1.000	6.5-70-89	8-73-316	2.806	115-135	6.5-70-18X
1760	1.938	.500-20	1.000	6.5-70-89	8-73-316	2.806	115-135	6.5-70-18X
1810	1.938	.500-20	1.000	6.5-70-89	8-73-316	2.806	115-135	6.5-70-18X
3R	1.125	—	—	N.S.S.	N.S.S.	—	30-35	2-70-48X
7260	1.062	.250-20	.625	231079	231401	1.500	13-18	2-70-38X

Uses 500357-9 Lockwasher



Cap and Bolt Assemblies Bearing Retainer Assemblies

2 caps or 2 retainers and 4 bolts each



Joint Series	Thread Dia.	CL-CL	Bolt Torque (Lb. Ft.)	Bolt Length	Strap No.	Bolt No.	Part Number
SPL140	M12 x 1.25 6g	76	100-102	25	140-70-19	12-73-125M	140-70-18X
SPL170	M12 x 1.25 6g	82	100-120	25	170-70-19	12-73-125M	170-70-18X
SPL250	M12 x 1.25 6g	87.5	100-120	25	250-70-19	12-73-125M	250-70-18X
1650	.500-20	2.375	77-103	1.427	5-70-89	8-73-123	5-70-18X
1950	.750-16	4.250	271-362	2.750	9-70-39	12-73-144	9-70-18X (1)

(1) Kit contains only one cap and two bolts



Style 1



Style 2

1610-1880 Series SPL140/170/250 Series Bearing Cap Hardware/Spring Tab

Lock Strap Style	Th'd size	Length Under Head	Fits Series	Bolt Part Number	Used w/ Lock Strap Number
1	.312-24	.594	1610	5-73-109 (2)	98-741
1	.375-24	.562	1710	6-73-109 (2)	230323
1	.375-24	.562	1760	6-73-109 (2)	230323
1	.375-24	.562	1810	6-73-109 (2)	230323
—	.375-24	.562	1710	6-73-209 (3)	—
—	.375-24	.562	1760	6-73-209 (3)	—
—	.375-24	.562	1810	6-73-209 (3)	—
—	.375-24	.750	1610	6-73-412 (2)	—
1	.438-20	.938	1880	7-73-315 (2)	230373
—	.438-20	.875	1880	7-73-315 (1)	—
—	.500-20	2.500	W.B.	8-73-340 (1)	—
2	M8 x 1.00-6g	.551	SPL140/170/250	8-73-114M(2)	232584 (SPL)

(1) Used with wing bearing type bearing caps

(2) Self locking bolts with lock patch

(3) Self locking bolts with serrated heads

Note: Spicer does not recommend re-use of self locking bolts and does not recommend using serrated head, self locking bolts with lockstraps.



1/2 Round Lockwires



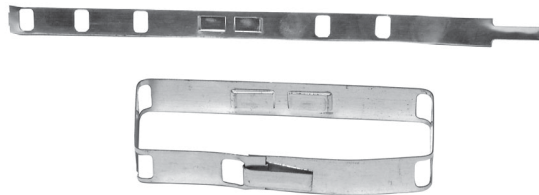
Series	Part Number
1610	231293
1710	231351-1
1760	231351-3
1810	231351-2

Full Round Lock Straps / SPL Lock Straps



CL-CL Bolt Holes	Bolt Size	Series	Part Number
2.000	.312	1500	98-781
2.312	.312	1610	98-741
2.438	.375	1710	230323
2.438	.375	1760	230323
2.438	.375	1810	230323
2.812	.438	1880	231009
2.812	.375	1800	98-743

Shipping Straps



Series	Part Number
1000/1100	1-95-49
1310	2-95-29
1330/1350	3-95-19
1410	3-95-29
1480	3-95-79
1550	4-95-49

Bearing Seal Protectors



Bearing Diameter	Kit Part Number	Seal Protector Part Number	Bearing Diameter	Kit Part Number	Seal Protector Part Number
1.062	5-785X	232976-2	1.062	5-812X	232976-1 (1)
1.062	5-786X	232976-2	1.190	5-799X	232977-2
1.062	5-787X	232976-2	1.190	5-800X	232977-2
1.062	5-788X	232976-2	1.190	5-801X	232977-2
1.062	5-789X	232976-2	1.190	5-802X	232977-2
1.062	5-790X	232976-2	1.370	5-803X	232872-2
1.062	5-791X	232976-2	1.370	5-805X	232872-2
1.062	5-792X	232976-2	1.370	5-806X	232872-2
1.062	5-793X	232976-2	1.370	5-804X	232872-1 (1)
1.062	5-794X	232976-2	1.370	5-807X	232872-1
1.062	5-795X	232976-2	1.370	5-809X	232872-1
1.062	5-796X	232976-2	1.625	SPL100-1X	232884-1 (1)
1.062	5-797X	232976-2	1.937	SPL140X	232753
1.062	5-798X	232976-2	2.165	SPL170X	232689
1.062	5-811X	232976-2	2.362	SPL250X	232693

(1) Re-lube Kit



Dust Cap Assemblies



Series	Dust Cap Part Number	I.D. @ Th'd End R=Round S=Splined	Washer Part Number	O.D./I.D. or O.D. Spline & # Teeth	Seal Part Number	Seal Material R=Rubber C=Cork	O.D./I.D. or O.D. Spline & # Teeth	Type R=Round S=Splined	Dust Cap Assy
1000	2-14-139	1.594/R	—	—	2-16-53	C	1.594/1.000	R	D2L
1000/1280	2-14-69	1.594/S	—	—	2-16-53	C	1.594/1.000	R	D2A
1100	1-14-29	1.312/S	—	—	1-16-23	C	1.219/.875	R	D1A
1110	1-14-79	1.438/S	—	—	1-16-93	C	1.781/.875	R	D1B
1270	2-14-19	1.594/R	2-15-13	1.500/1.031	2-16-53	C	1.594/1.000	R	D2B
1270	2-14-19	1.594/R	2-15-13	1.500/1.031	2-16-93	R	1.562/.969	R	D2F
1280	2-14-69	1.594/S	—	—	2-16-93	R	1.562/.969	R	D2K
1310	3-14-39	1.656/R	3-15-33	1.562/1.156	2-16-263	R	1.625/1.125	R	D2M
1310	3-14-39	1.656/R	3-15-33	1.562/1.156	3-16-43	C	1.641/1.156	R	D2C
1310	3-14-39	1.656/R	3-15-11	1.688/1.500-16	3-16-11	C	1.641/1.375-16	S	D3E
1310	3-14-89	1.779/R	3.5-15-53	1.688/1.1281	3-16-83	R	1.750/1.219	R	D2N
1350	3-14-39	1.656/R	3-15-11	1.688/1.500-16	3-16-11	C	1.641/1.375-16	S	D3E
1350	3.5-14-39	1.781/R	3.5-15-53	1.688/1.281	3-16-83	R	1.750/1.219	R	D3F
1350	3.5-14-39	1.781/R	3.5-15-53	1.688/1.281	3-16-53	C	1.750/1.250	R	D3A
1350	3.5-14-39	1.781/R	3-15-31	1.688/1.375-16	3-16-31	C	1.766/1.375/16	S	D3G
1410	3.5-14-39	1.781/R	3-15-31	1.688/1.375-16	3-16-31	C	1.766/1.375/16	S	D3G
1410	3-14-59	1.969/R	3-15-63	1.875/1.344	3-16-103	C	2.703/1.219	R	D3H
1410	3.5-14-39	1.781/R	3.5-15-53	1.688/1.281	3-16-53	C	1.750/1.250	R	D3A
1410	3.5-14-39	1.781/R	3.5-15-53	1.688/1.281	3-16-83	R	1.750/1.219	R	D3F
1410	3.5-14-39	1.781/R	3-15-51	1.688/1.562-16	3-16-51	C	1.750-1.500-16	S	D3K
1410	3.5-14-19	2.016/R	4-15-43	1.938/1.438	3-16-93	C	2.000/1.406	R	D4F
1410	3.5-14-39	1.781/R	3.5-15-53	1.688/1.281	3-16-53	C	1.750/1.250	R	D3B
1480	3-14-69	2.719/R	3-15-73	2.625/1.766	3-16-113	C	2.703/1.719	R	D3D
1480	3-14-59	1.969/R	3-15-63	1.875/1.344	3-16-103	C	2.703/1.219	R	D3H
1480	3-14-59	1.969/R	3-15-41	1.875/1.562-16	3-16-41	C	1.938/1.562-16	S	D3J
1500	3.5-14-19	2.016/R	4-15-43	1.938/1.438	4-16-83	C	2.000/1.406	R	D4A
1500	3.5-14-19	2.016/R	4-15-43	1.938/1.438	4-16-83	C	2.000/1.406	R	D4E
1500	3.5-14-19	2.016/R	4-15-43	1.938/1.438	4-16-123	R	1.984/1.375	R	D4G
1550	4-14-69	2.219/R	4-15-43	1.938/1.438	4-16-143	C	2.203/1.406	R	D4J
1550	4-14-79	2.969/R	4-15-123	2.906/1.969	4-16-153	C	2.953/1.922	R	D4L
1550	4-14-69	2.219/R	4-15-31	2.125/1.750-16	4-16-31	C	2.188/1.719	S	D4K
1550	4-14-69	2.219/R	4-15-13	2.125/1.422	3-16-123	C	2.188/1.375	R	D4M
1600	5-14-29	2.969/R	5-15-33	2.906/2.281	5-16-33	C	2.969/1.546	R	D5C
1650	5-14-39	2.516/R	5-15-43	2.438/1.641	5-16-53	C	2.516/1.625	R	D5E
1700	6-14-29	2.719/S	6-15-33	2.656/2.031	6-16-53	C	2.203/2.000	R	D6A
1710	6-14-39	3.562/R	6-15-43	3.500/2.906	6-16-63	C	3.547/2.875	R	D6E
1760	6-14-39	3.562/R	6-15-43	3.500/2.906	6-16-63	C	3.547/2.875	R	D6E
1810	6-14-39	3.562/R	6-15-43	3.500/2.906	6-16-63	C	3.547/2.875	R	D6E
1900	9-14-19	4.688/R	9-15-13	4.625/3.656	9-16-13	C	4.641/3.625	R	D9A



One Piece Dust Caps



Used On Series	Fits Type	Splined Shaft Neck Dia.	Dia.	Slip Yoke Spline Size	Greasable Y=Yes N=No	Part Number
1310	1	1.170	2.120	1.375-16	N	231603
SPL90	1	1.690	2.420	1.938-30	Y	90-86-18
1310,1330,1350	1	1.170	2.120	1.375-16	Y	211121X
1310	1	1.020	1.940	1.250-16	Y	211256X
1330	1	1.260	2.120	1.500-16	Y	211158X
1410	2	1.170	2.120	1.375-16	N	2-86-428
1480	2	1.300	2.390	1.562-24	N	3-86-88
1550	2	1.410	2.640	1.750-16	N	4-86-18
1610	2	1.625	2.640	2.000-16	N	5-86-68
1710,1760	2	2.062	3.350	2.500-16	N	6.3-86-18
1810	2	2.520	3.970	3.000-16	N	6.5-86-38

Dust Cap Seal Dimensions

Part Number	Type R=Round S=Splined	O.D.	I.D./ O.D. Spline	No. of Splines	Thickness Teeth	Material
1-16-23	R	1.219	.875	—	.312	Cork
2-16-263	R	1.125	1.125	—	.312	Rubber
1-16-93	R	1.422	.875	—	.312	Cork
2-16-53	R	1.580	.990	—	.312	Cork
2-16-93	R	1.594	.969	—	.219	Rubber
2-16-53	R	1.594	1.000	—	.312	Cork
3-16-43	R	1.625	1.150	—	.312	Cork
3-16-11	S	1.641	1.375	16	.312	Cork
3-16-83	R	1.750	1.219	—	.219	Rubber
3-16-53	R	1.750	1.250	—	.312	Cork
3-16-51	S	1.750	1.500	16	.312	Cork
3-16-31	S	1.766	1.375	16	.312	Cork
3-16-41	S	1.938	1.562	16	.375	Cork
4-16-83	R	2.000	1.400	—	.375	Cork
3-16-93	R	2.000	1.406	—	.188	Cork
4-16-143	R	2.203	1.406	—	.375	Cork
5-16-23	R	2.203	1.625	—	.375	Cork
4-16-31	S	2.210	1.719	—	.375	Cork
5-16-53	R	2.516	1.625	—	.375	Cork
3-16-113	R	2.700	1.730	—	.281	Cork
3-16-113	R	2.703	1.719	—	.281	Cork
6-16-53	R	2.703	2.000	—	.312	Cork
6-16-143	S	2.906	2.500	16	.312	Cork
6-16-123	R	2.938	2.062	—	.312	Cork
4-16-153	R	2.953	1.922	—	.219	Cork
5-16-33	R	2.969	2.266	—	.219	Cork
6.5-16-13	R	3.547	2.406	—	.500	Cork
8-16-33	R	3.547	2.500	—	.500	Cork
6-16-63	R	3.547	2.875	—	.312	Cork
9-16-13	R	4.672	3.625	—	.500	Cork



Dust Cap Dimensions

Dust Cap Part Number	Type R=Round S=Splined	I.D. Threads	Hole Size	Length
1-14-29	S	1.312	1.062-16	.656
1-14-79	S	1.438	1.062-16	.656
2-14-139	R	1.594	1.297	.656
2-14-19	R	1.594	1.281	.625
2-14-69	R	1.594	1.250-16	.656
3-14-39	R	1.656	1.406	.750
3-14-59	R	1.969	1.594	.750
3-14-69	R	2.719	2.281	.750
3.5-14-19	R	2.016	1.766	.750
3.5-14-39	R	1.781	1.531	.750
4-14-19	R	2.219	2.016	.750
4-14-69	R	2.219	1.766	.750
4-14-79	R	2.969	2.516	.812
5-14-29	S	2.969	2.688-18	.562
5-14-39	R	2.516	2.016	.750
6-14-29	R	2.719	2.281	1.000
6-14-39	R	3.562	3.281	.750
6.5-14-19	R	3.562	3.031	1.000
9-14-19	R	4.688	4.188	1.062

Dust Cap Washer Dimensions

Washer Part Number	Type R=Round S=Splined	O.D.	I.D. Round Hole/ O.D. Spline	No. of Teeth	Thickness
2-15-13	R	1.500	1.031	—	.033
3-15-11	S	1.562	2.031	15 ON 16	.033
3-15-13	R	1.625	1.094	—	.033
3-15-31	S	1.688	1.406	16	.033
3-15-33	R	1.562	1.156	—	.033
3-15-41	S	1.875	1.594	16	.033
3-15-51	S	1.688	1.531	16	.033
3-15-63	R	1.875	1.344	—	.033
3-15-73	R	2.625	1.766	—	.033
3.5-15-53	R	1.688	1.281	—	.033
4-15-123	R	2.906	1.969	—	.033
4-15-13	R	2.125	1.422	—	.033
4-15-31	S	2.125	1.781	16	.033
4-15-43	S	1.938	1.438	—	.033
5-15-23	R	2.125	1.641	—	.033
5-15-33	S	2.906	2.281	—	.033
5-15-43	R	2.438	1.641	—	.033
6-15-33	R	2.656	2.031	—	.054
6-15-43	R	3.500	2.906	—	.054
6-15-93	R	2.906	2.078	—	.054
8-15-23	R	3.500	2.438	—	.054
8-15-33	R	3.500	2.562	—	.054
9-15-13	R	4.625	3.656	—	.054

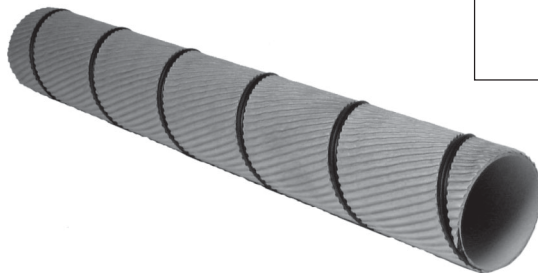
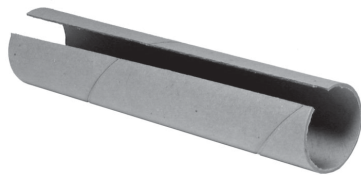


Coupling Shaft Washers



I.D.	O.D.	Thickness	Part Number
0.660	1.266	0.188	230123-14
0.660	1.500	0.188	230123-12
1.062	2.016	0.125	98-216
1.281	2.375	0.188	184-W
1.281	2.750	0.156	230123-6

Tube Deadeners



Fits Tube		Length	Part Number
O.D. Tube	Wall th'k		
2.500	0.065	12.000	98-1553-1
2.500	0.083	12.000	98-1553-1
2.500	0.083	6.000	98-1553-5
3.000	0.065	12.000	98-1538-1
3.000	0.083	12.000	98-1538-1
3.500	0.083	12.000	231753-1
3.500	0.095	12.000	231753-1
3.500	0.134	12.000	231753-1
4.000	0.134	12.000	231094-1
4.500	0.134	12.000	231095-1
4.500	0.259	12.000	231185-1
4.500	0.134	6.000	231095-2
4.500	0.134	3.000	231095-3
4.990	0.185	12.000	232697 (SPL)
4.245	0.185	12.000	232793 (SPL)

Square Keys

Width	Length	Key Part Number
.250 x .250	1.0625	10-8



Woodruff Keys

Width	Key Part Number	
	Woodruff	Spicer
.3125	B	500007-25









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