

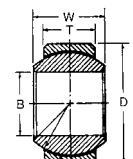
## Aurora PTFE-Lined Spherical Bearings

Wide Series PTFE-Lined Spherical Bearings						
Bore Size B	Outside Dia. D	Ball Width W	Race Width T	Static Radial Load Rating	Part No.	Price
5/16"	11/16"	7/16"	0.317"	9,400 lb.	3070-5	\$24.99
3/8"	13/16"	1/2"	0.406"	13,700 lb.	3070-6	\$26.99
7/16"	15/16"	9/16"	0.442"	20,700 lb.	3070-7	\$29.99
1/2"	1.00"	5/8"	0.505"	21,400 lb.	3070-8	\$32.99
9/16"	1 1/8"	11/16"	0.536"	26,600 lb.	3070-9	\$37.99
5/8"	1 3/16"	3/4"	0.567"	29,000 lb.	3070-10	\$41.99
3/4"	1 3/8"	7/8"	0.630"	37,000 lb.	3070-12	\$43.99

All of the spherical bearings listed here are constructed using heat-treated and hard chrome plated balls and hard alloy steel, PTFE lined races for unsurpassed strength and durability.



Wide Series Part No. 3070-xx



Key dimensions on a typical spherical bearing insert.



Shock Absorber Bearing Part No. 3073-B

Special Sizes – PTFE-Lined Spherical Bearings						
Bore Size B	Outside Dia. D	Ball Width W	Race Width T	Static Radial Load Rating	Part No.	Price
1/2"	7/8"	7/16"	3/8"	19,680 lb.	3073-8*	\$37.99
1/2"	26mm	16mm	9mm	14,455 lb.	3076-001	\$22.79
1/2"	1 1/8"	3/4"	1/2"	28,500 lb.	3075-8	\$59.99
1/2"	1 3/16"	3/4"	3/8"	14,455 lb.	3076-8	\$69.99
5/8"	1 9/16"	7/8"	11/16"	36,050 lb.	3073-10	\$45.99
5/8"	1 3/8"	7/8"	5/8"	25,600 lb.	3074-10	\$44.99
1.00"	1 3/4"	1.00"	0.795"	55,200 lb.	3074-16	\$41.99

\* Replaces the low-quality split-race bearing supplied on many racing shocks. (Not all shocks use this size so be sure to check.)

Narrow Series PTFE-Lined Spherical Bearings						
Bore Size B	Outside Dia. D	Ball Width W	Race Width T	Static Radial Load Rating	Part No.	Price
3/8"	13/16"	0.406"	0.312"	10,540 lb.	3071-6	\$27.99
7/16"	0.9062"	7/16"	0.343"	13,200 lb.	3071-7	\$30.49
1/2"	1.000"	1/2"	0.390"	17,900 lb.	3071-8	\$32.99
5/8"	1 3/16"	5/8"	0.500"	30,500 lb.	3071-10	\$41.99
3/4"	1 7/16"	3/4"	0.593"	46,400 lb.	3071-12	\$44.99



Narrow Series Part No. 3071-xx



High-Misalignment Necked Ball Series Part No. 3072-xx

High-Misalignment (Necked Ball) Spherical Bearings						
Bore Size B	Outside Dia. D	Ball Width W	Race Width T	Static Radial Load Rating	Part No.	Price
3/8"	0.9062	13/16"	0.345"	16,000 lb.	3072-6	\$34.99
7/16"	1.000"	7/8"	0.345"	19,018 lb.	3072-7	\$38.99
1/2"	1 1/8"	15/16"	0.401"	25,263 lb.	3072-8	\$39.99
5/8"	1 3/8"	1.200"	0.567"	44,651 lb.	3072-10	\$48.99
3/4"	1 9/16"	1.280"	0.620"	53,707 lb.	3072-12	\$56.99

### Spherical Bearing Weld Cups

These chromoly cups are perfect for fabricating A-arms and other suspension components. Four sizes are designed specifically to fit one of our Narrow Series Aurora spherical bearings above. The bearing is retained in the cup by a C-clip (included) on one side and a ridge on the other. For best results, the cup should be oriented so that the primary axial force pushes the bearing toward the ridge. Heavy-wall construction resists deformation from welding heat. Cups are sold individually. CNC manufactured in the USA.



Left: Spherical Bearing Weld Cup Part No. 1825-150-Size



Right: Shown with Spherical Bearing (sold separately)

Left: Installation example  
Only trust highly skilled welders to fabricate critical suspension components!

### Spherical Bearing Weld Cups

For Bearing Part No.	Bearing Bore	Cup ID (Bearing OD)	Race Width	Ridge ID	Cup Height	Cup OD	Part No.	Price
3071-6	3/8"	13/16"	0.312"	0.692"	0.685"	1.188"	1825-150-0812	\$17.99
3071-8	1/2"	1"	0.390"	0.787"	0.875"	1.375"	1825-150-1000	\$17.99
3071-10	5/8"	1 3/16"	0.500"	1.12"	0.9715"	1.6875"	1825-150-1187	\$19.99
3071-12	3/4"	1 7/16"	0.593"	1.312"	1.088"	1.9375"	1825-150-1437	\$21.99
Replacement Circlips, specify size							1825-160-Size	\$2.99/pair

### Seals-It Rod End Seals



Seals-It Rod End Seals are a must if you are using rod ends without a PTFE lining. Rod ends with a PTFE lining (such as the rod ends we carry) normally do not need external seals except in extremely dusty or gritty environments such as off-road racing. These seals have a rubber dust boot bonded to a metal inner washer. Select the bore size which matches the bore size of your rod end. Sold in packs of 6 seals, enough to seal both sides of 3 rod ends.

Seals-It Rod End Seals – SAE Sizes				
Bore Size	Seal O.D.	Washer Thickness	Part No.	Price 6/pk
3/16"	0.326"	0.020"	3077-001-0187	\$12.49
1/4"	0.375"	0.027"	3077-001-0250	\$12.49
5/16"	0.487"	0.047"	3077-001-0312	\$12.49
3/8"	0.530"	0.047"	3077-001-0375	\$12.49
7/16"	0.626"	0.047"	3077-001-0437	\$12.49
1/2"	0.730"	0.047"	3077-001-0500	\$12.49
5/8"	0.882"	0.047"	3077-001-0625	\$14.49
3/4"	1.006"	0.047"	3077-001-0750	\$15.29

Seals-It Rod End Seals – Metric Sizes				
Bore Size	Seal O.D.	Washer Thickness	Part No.	Price 6/pk
8mm	12.37mm	1.20mm	3077-001-M08	\$12.49
10mm	13.46mm	1.20mm	3077-001-M10	\$12.49
12mm	18.54mm	1.20mm	3077-001-M12	\$12.49
14mm	18.54mm	1.20mm	3077-001-M14	\$14.49
16mm	22.40mm	1.20mm	3077-001-M16	\$14.49

Note: These seals will not seal high-misalignment rod ends.

### Nadella Combined Needle Bearings

Nadella bearings are used in many race car applications because of their small size, low weight, and high load capacity. A common use is in rocker pivots on cars with inboard suspension. In order to achieve rated capacity and life, the mating surfaces should have a smooth, hard finish. A Rockwell hardness of C58 will ensure full rated capacity. Using a matching Nadella thrust washer will provide this in the axial direction.

Nadella Combined Needle Bearings – All dimensions are in millimeters.													
Bore Size C1	Housing Bore D1	Max. Dia. D2	Overall Width L	Bore Depth I	Axial Load lb.	Radial Load lb.	Speed Limit rpm	Nadella Bearing Part No.	Price	Thrust Washer 0.8mm Thick Part No.	Price	Thrust Washer 2.0mm Thick Part No.	Price
12	18	28	14.2	10	562	2,473	13,000	3080-12mm	\$39.99	3081-12mm	\$9.99	3082-12mm	\$15.99
14	20	30	14.2	10	652	2,810	11,500	3080-14mm	\$48.99	3081-14mm	\$9.99	3082-14mm	\$15.99
15	21	32	14.2	10	697	3,147	10,500	3080-15mm	\$49.99	3081-15mm	\$9.99	3082-15mm	\$15.99
18	24	34	18.2	14	1,304	3,597	10,000	3080-18mm	\$48.99	3081-18mm	\$9.99	3082-18mm	\$15.99
20	26	37	18.2	14	1,439	4,047	9,000	3080-20mm	\$54.99	3081-20mm	\$9.99	not available	
25	33	46	22.2	18	2,360	4,946	7,200	3080-25mm	\$58.99	3081-25mm	\$9.99	not available	

