



Out-Pace

Racing Products

**BE A GREASER
NOT A SQUEAKER**

Product Catalog

Volume 16



Out-Pace Racing Products are the proud manufacturers of Quality Suspension and Chassis Components. Proudly manufactured in the USA, some of Out-Pace's product line includes Pinion & Frame Mounts, J-Bars, Late Model Spindles, Upper and Lower Control Arms, Lift Arms, Strut Tubes and their line of Patented Greasalbe Rod Ends.

Having been involved in racing and building race components for over 20 years, Out-Pace has developed a solution for the problem of sticky and seized rod ends. Their innovative, patented system reduces the time it takes to maintain your rod end components, along with a host of other benefits.

The time it takes to clean and re-grease rod ends has been reduced from hours to minutes by the Out-Pace system. The Out-Pace system works by greasing the rod end from the inside out. Grease is forced through an orifice that runs through the rod end and around the spherical ball. The grease then flushes any dirt or contaminants out of the rod end that may have worked its way inside the assembly. Thus the rod end has been flushed of any dirt, and new grease is in place for lubrication. There is no more need to remove the rod ends, clean with solvent, reassemble, lubricate and remount on the car. This entire procedure has been reduced to seconds.

Why Choose the Out-Pace

Out-Pace has done extensive testing and have testimonials from professional racers nationwide that swear by Out-Pace Racing Products. These racers have increased their rod end life by three and four times.

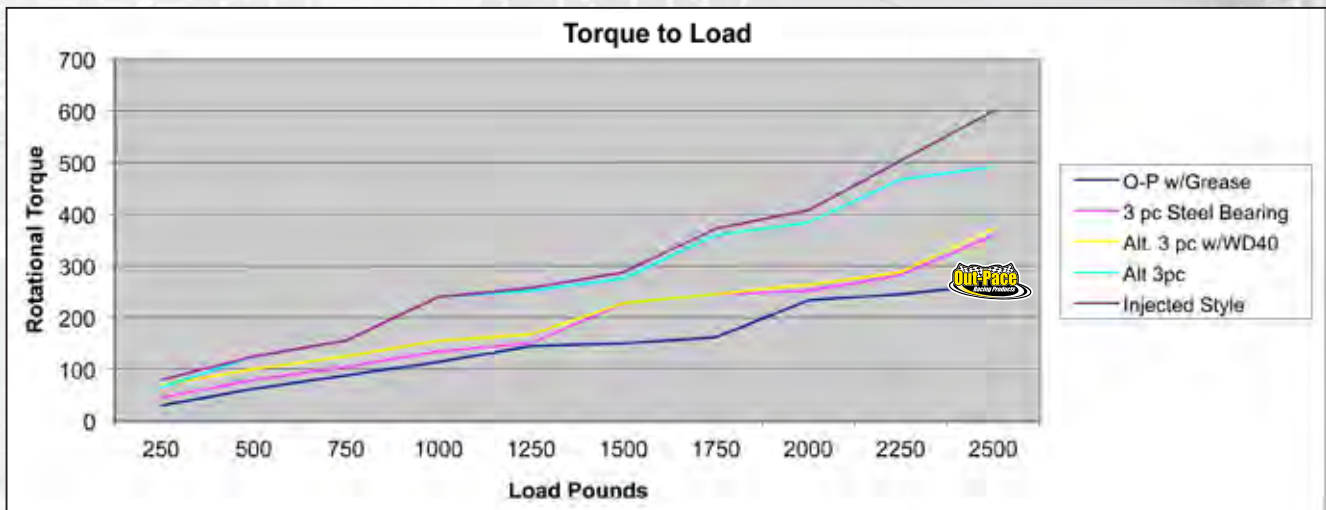
Using Out-Pace Racing Components components save YOU, THE RACER, money:

- *Increase rod end life, which saves replacement cost*
- *Reduces the time it takes to maintain your rod ends, giving you more valuable time to work on set-ups*
- *Keeps your car free and more consistent*
- *Keeps rod ends from seizing up and affecting the handling characteristics of your car*



LOAD CHART EXAMPLE: If you have a load of 750lbs on a O-P Rod End it only takes 89 inch pounds to rotate the ball. As you can see at this amount of load it takes a lot more to rotate the balls of the other different types of rod ends. The lower line on the graph is the O-P results showing you that no matter what load you give the O-P Rod Ends it is still the easiest rotated ball you will find. The only way to have a free easy moving suspension is to use the Out-Pace Racing Products System on your Race Car!

Amount of Torque Required to Turn Rod End Ball (pounds per square inch)					
Load on Rod End Ball (pounds per square inch)	Out-Pace Steel Rod End w/ grease	Generic Steel Rod End	Upgrade 1 Steel 3-Piece Rod End	Upgrade 1 Steel 3-Piece Rod End w/ WD40	Injected Line Rod End
250#	30	45	65	70	80
500#	62	80	125	100	125
750#	89	105	156	125	156
1,000#	115	135	240	156	240
1,250#	145	150	252	168	258
1,500#	150	228	276	228	288
1,750#	162	246	360	246	372
2,000#	234	252	384	264	408
2,250#	246	282	486	288	504
2,500#	264	360	492	372	600



How to Properly Pre-Grease and Maintain Your Out-Pace Greaseable Rod End System

If you are a race team that has chosen to 'BE A GREASER AND NOT A SQUEAKER' here is how you properly install your assemblies and maintain them.

1. Pre-Grease the Rod Ends before installing

You do this on the bench by giving the rod end a few pumps of grease and then rotating the ball around a few times. By pre greasing the rod end, it now has put a grease film around the ball. The path of least resistance has also been changed and will help the grease flow better around the ball when you grease it later. (Note: Grease coming out at the ball by the shank is just the extra grease. Only so much can get around the ball with the tight tolerances of the American Made Rod End). The Assembly is now ready to be installed!

2. Maintenance of Out-Pace Assemblies

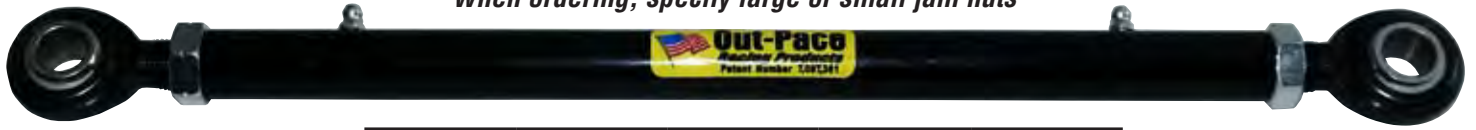
Maintaining Out-Pace assemblies is easy by greasing the rod end from the inside out. Grease is forced through the rod end and around the ball. This will flush out all dirt, water or contaminants that may have worked its way inside the assembly of the rod end. The rod end now has new grease around the ball for good lubrication. (Note: Grease coming out at the ball by the shank is just the extra grease. Only so much can get around the ball with the tight tolerances of the American Made Rod End). This maintenance program should be done after each event for the life of the assembly.

GREASABLE ALUMINUM TUBE KITS

5/8" Rod Ends - 7/8" Round Aluminum Tubes

Features Out-Pace's Patented Greasable Rod End System, 5/8-18 Threads, .156" Wall
13/16" wrench Flat w/Jam Nuts and Anodized Black for Long Life

When ordering, specify large or small jam nuts



Tube Length	Steel Rod Ends		Moly Rod Ends	
4.5"	1-045-S2		1-045-M2	
5"	1-050-S2		1-050-M2	
5.5"	1-055-S2		1-055-M2	
6"	1-060-S2		1-060-M2	
6.5"	1-065-S2		1-065-M2	
7"	1-070-S2		1-065-M2	
7.5"	1-075-S2		1-075-M2	
8"	1-080-S2		1-080-M2	
8.5"	1-085-S2		1-085-M2	
9"	1-090-S2		1-090-M2	
9.5"	1-095-S2		1-095-M2	
10"	1-100-S2		1-100-M2	
10.5"	1-105-S2		1-105-M2	
11"	1-110-S2		1-110-M2	
11.5"	1-115-S2		1-115-M2	
12"	1-120-S2		1-120-M2	
12.5"	1-125-S2		1-125-M2	
13"	1-130-S2		1-130-M2	
13.5"	1-135-S2		1-135-M2	
14"	1-140-S2		1-140-M2	
14.5"	1-145-S2		1-145-M2	
15"	1-150-S2		1-150-M2	
15.5"	1-155-S2		1-155-M2	
16"	1-160-S2		1-160-M2	
16.5"	1-165-S2		1-165-M2	
17"	1-170-S2		1-170-M2	
17.5"	1-175-S2		1-175-M2	
18"	1-180-S2		1-180-M2	
18.5"	1-185-S2		1-185-M2	
19"	1-190-S2		1-190-M2	
19.5"	1-195-S2		1-195-M2	
20"	1-200-S2		1-200-M2	
20.5"	1-205-S2		1-205-M2	
21"	1-210-S2		1-210-M2	
21.5"	1-215-S2		1-215-M2	
22"	1-220-S2		1-220-M2	
22.5"	1-225-S2		1-225-M2	
23"	1-230-S2		1-230-M2	
23.5"	1-235-S2		1-235-M2	
24"	1-240-S2		1-240-M2	
24.5"	1-245-S2		1-245-M2	

GREASABLE ALUMINUM HEX TUBE KITS

5/8" Rod Ends - 7/8" Hex Aluminum Tubes

Features Out-Pace's Patented Greasable Rod End System, 5/8-18 Threads, .156" Wall

7/8" wrench fits tube w/Jam Nuts and Anodized Black for Long Life

When ordering, specify large or small jam nuts



Tube Length	Steel Rod Ends		Moly Rod Ends	
4.5"	3-045-S2		3-045-M2	
5"	3-050-S2		3-050-M2	
5.5"	3-055-S2		3-055-M2	
6"	3-060-S2		3-060-M2	
6.5"	3-065-S2		3-065-M2	
7"	3-070-S2		3-070-M2	
7.5"	3-075-S2		3-075-M2	
8"	3-080-S2		3-080-M2	
8.5"	3-085-S2		3-085-M2	
9"	3-090-S2		3-090-M2	
9.5"	3-095-S2		3-095-M2	
10"	3-100-S2		3-100-M2	
10.5"	3-105-S2		3-105-M2	
11"	3-110-S2		3-110-M2	
11.5"	3-115-S2		3-115-M2	
12"	3-120-S2		3-120-M2	
12.5"	3-125-S2		3-125-M2	
13"	3-130-S2		3-130-M2	
13.5"	3-135-S2		3-135-M2	
14"	3-140-S2		3-140-M2	
14.5"	3-145-S2		3-145-M2	
15"	3-150-S2		3-150-M2	
15.5"	3-155-S2		3-155-M2	
16"	3-160-S2		3-160-M2	
16.5"	3-165-S2		3-165-M2	
17"	3-170-S2		3-170-M2	
17.5"	3-175-S2		3-175-M2	
18"	3-180-S2		3-180-M2	
18.5	3-185-S2		3-185-M2	
19"	3-190-S2		3-190-M2	
19.5"	3-195-S2		3-195-M2	
20"	3-200-S2		3-200-M2	
20.5"	3-205-S2		3-205-M2	
21"	3-210-S2		3-210-M2	
21.5"	3-215-S2		3-215-M2	
22"	3-220-S2		3-220-M2	
22.5"	3-225-S2		3-225-M2	
23"	3-230-S2		3-230-M2	
23.5"	3-235-S2		3-235-M2	
24"	3-240-S2		3-240-M2	
24.5"	3-245-S2		3-245-M2	

GREASABLE ALUMINUM HEX TUBE KITS

3/4" Rod Ends - 1" Hex Aluminum Tubes

Features Out-Pace's Patented Greasable Rod End System, 3/4-16 Threads, .156" Wall
1" wrench fits tube w/Jam Nuts and Anodized Black for Long Life



Tube Length	Steel Rod Ends		Moly Rod Ends	
10"	4-100-S4		4-100-M4	
10.5"	4-105-S4		4-105-M4	
11"	4-110-S4		4-110-M4	
11.5"	4-115-S4		4-115-M4	
12"	4-120-S4		4-120-M4	
12.5"	4-125-S4		4-125-M4	
13"	4-130-S4		4-130-M4	
13.5"	4-135-S4		4-135-M4	
14"	4-140-S4		4-140-M4	
14.5"	4-145-S4		4-145-M4	
15"	4-150-S4		4-150-M4	
15.5"	4-155-S4		4-155-M4	
16"	4-160-S4		4-160-M4	
16.5"	4-165-S4		4-165-M4	
17"	4-170-S4		4-170-M4	
17.5"	4-175-S4		4-175-M4	
18"	4-180-S4		4-180-M4	
18.5"	4-185-S4		4-185-M4	
19"	4-190-S4		4-190-M4	
19.5"	4-195-S4		4-195-M4	
20"	4-200-S4		4-200-M4	
20.5"	4-205-S4		4-205-M4	
21"	4-210-S4		4-210-M4	
21.5"	4-215-S4		4-215-M4	
22"	4-220-S4		4-220-M4	
22.5"	4-225-S4		4-225-M4	
23"	4-230-S4		4-230-M4	
23.5"	4-235-S4		4-235-M4	
24"	4-240-S4		4-240-M4	
24.5"	4-245-S4		4-245-M4	

How to Properly Measure Your Out-Pace Greaseable Tube Length

Please subtract 1.5" for each rod end from your overall measurement to determine the length of the tube required.

GREASABLE ALUMINUM SWEDGE TUBE KITS



3/8" Rod Ends

1" Aluminum Swedge Tubes

Features Out-Pace's Patented Greasable Rod End System, 3/8-16 Threads, .120" Wall

Tube Length	Steel Rod Ends	Moly Rod Ends	Aluminum Rod Ends
10"	9-100-C6	9-100-M6	9-100-A6
10.5"	9-105-C6	9-105-M6	9-105-A6
11"	9-110-C6	9-110-M6	9-110-A6
11.5"	9-115-C6	9-115-M6	9-115-A6
12"	9-120-C6	9-120-M6	9-120-A6
12.5"	9-125-C6	9-125-M6	9-125-A6
13"	9-130-C6	9-130-M6	9-130-A6
13.5"	9-135-C6	9-135-M6	9-135-A6
14"	9-140-C6	9-140-M6	9-140-A6
14.5"	9-145-C6	9-145-M6	9-145-A6
15"	9-150-C6	9-150-M6	9-150-A6
15.5"	9-155-C6	9-155-M6	9-155-A6
16"	9-160-C6	9-160-M6	9-160-A6
16.5"	9-165-C6	9-165-M6	9-165-A6
17"	9-170-C6	9-170-M6	9-170-A6
17.5"	9-175-C6	9-175-M6	9-175-A6
18"	9-180-C6	9-180-M6	9-180-A6
18.5"	9-185-C6	9-185-M6	9-185-A6
19"	9-190-C6	9-190-M6	9-190-A6
19.5"	9-195-C6	9-195-M6	9-195-A6
20"	9-200-C6	9-200-M6	9-200-A6
20.5"	9-205-C6	9-205-M6	9-205-A6
21"	9-210-C6	9-210-M6	9-210-A6
21.5"	9-215-C6	9-215-M6	9-215-A6
22"	9-220-C6	9-220-M6	9-220-A6
22.5"	9-225-C6	9-225-M6	9-225-A6
23"	9-230-C6	9-230-M6	9-230-A6
23.5"	9-235-C6	9-235-M6	9-235-A6
24"	9-240-C6	9-240-M6	9-240-A6
24.5"	9-245-C6	9-245-M6	9-245-A6
25"	9-250-C6	9-250-M6	9-250-A6

1/2" Rod Ends

1" Aluminum Swedge Tubes

Features Out-Pace's Patented Greasable Rod End System, 1/2-16 Threads, .120" Wall

Tube Length	Steel Rod Ends	Moly Rod Ends	Aluminum Rod Ends
10"	10-100-C8	10-100-M8	10-100-A8
10.5"	10-105-C8	10-105-M8	10-105-A8
11"	10-110-C8	10-110-M8	10-110-A8
11.5"	10-115-C8	10-115-M8	10-115-A8
12"	10-120-C8	10-120-M8	10-120-A8
12.5"	10-125-C8	10-125-M8	10-125-A8
13"	10-130-C8	10-130-M8	10-130-A8
13.5"	10-135-C8	10-135-M8	10-135-A8
14"	10-140-C8	10-140-M8	10-140-A8
14.5"	10-145-C8	10-145-M8	10-145-A8
15"	10-150-C8	10-150-M8	10-150-A8
15.5"	10-155-C8	10-155-M8	10-155-A8
16"	10-160-C8	10-160-M8	10-160-A8
16.5"	10-165-C8	10-165-M8	10-165-A8
17"	10-170-C8	10-170-M8	10-170-A8
17.5"	10-175-C8	10-175-M8	10-175-A8
18"	10-180-C8	10-180-M8	10-180-A8
18.5"	10-185-C8	10-185-M8	10-185-A8
19"	10-190-C8	10-190-M8	10-190-A8
19.5"	10-195-C8	10-195-M8	10-195-A8
20"	10-200-C8	10-200-M8	10-200-A8
20.5"	10-205-C8	10-205-M8	10-205-A8
21"	10-210-C8	10-210-M8	10-210-A8
21.5"	10-215-C8	10-215-M8	10-215-A8
22"	10-220-C8	10-220-M8	10-220-A8
22.5"	10-225-C8	10-225-M8	10-225-A8
23"	10-230-C8	10-230-M8	10-230-A8
23.5"	10-235-C8	10-235-M8	10-235-A8
24"	10-240-C8	10-240-M8	10-240-A8
24.5"	10-245-C8	10-245-M8	10-245-A8
25"	10-250-C8	10-250-M8	10-250-A8

Have a Sprint Car or Midget

GREASABLE ALUMINUM SWEDGE TUBE KITS

5/8" Rod Ends

1" Aluminum Swedge Tubes

Features Out-Pace's Patented Greasable Rod End System, 5/8-16 Threads, .120" Wall
When ordering, specify large or small jam nuts

Tube Length	Steel Rod Ends	Moly Rod Ends	Aluminum Rod Ends
10"	11-100-S2	11-100-M2	11-100-A2
10.5"	11-105-S2	11-105-M2	11-105-A2
11"	11-110-S2	11-110-M2	11-110-A2
11.5"	11-115-S2	11-115-M2	11-115-A2
12"	11-120-S2	11-120-M2	11-120-A2
12.5"	11-125-S2	11-125-M2	11-125-A2
13"	11-130-S2	11-130-M2	11-130-A2
13.5"	11-135-S2	11-135-M2	11-135-A2
14"	11-140-S2	11-140-M2	11-140-A2
14.5"	11-145-S2	11-145-M2	11-145-A2
15"	11-150-S2	11-150-M2	11-150-A2
15.5"	11-155-S2	11-155-M2	11-155-A2
16"	11-160-S2	11-160-M2	11-160-A2
16.5"	11-165-S2	11-165-M2	11-165-A2
17"	11-170-S2	11-170-M2	11-170-A2
17.5"	11-175-S2	11-175-M2	11-175-A2
18"	11-180-S2	11-180-M2	11-180-A2
18.5"	11-185-S2	11-185-M2	11-185-A2
19"	11-190-S2	11-190-M2	11-190-A2
19.5"	11-195-S2	11-195-M2	11-195-A2
20"	11-200-S2	11-200-M2	11-200-A2
20.5"	11-205-S2	11-205-M2	11-205-A2
21"	11-210-S2	11-210-M2	11-210-A2
21.5"	11-215-S2	11-215-M2	11-215-A2
22"	11-220-S2	11-220-M2	11-220-A2
22.5"	11-225-S2	11-225-M2	11-225-A2
23"	11-230-S2	11-230-M2	11-230-A2
23.5"	11-235-S2	11-235-M2	11-235-A2
24"	11-240-S2	11-240-M2	11-240-A2
24.5"	11-245-S2	11-245-M2	11-245-A2
25"	11-250-S2	11-250-M2	11-250-A2

5/8" Rod Ends

1 1/8" Aluminum Swedge Tubes

Features Out-Pace's Patented Greasable Rod End System, 5/8-16 Threads, .156" Wall
When ordering, specify large or small jam nuts

Tube Length	Steel Rod Ends	Moly Rod Ends	Aluminum Rod Ends
10"	12-100-S2	12-100-M2	12-100-A2
10.5"	12-105-S2	12-105-M2	12-105-A2
11"	12-110-S2	12-110-M2	12-110-A2
11.5"	12-115-S2	12-115-M2	12-115-A2
12"	12-120-S2	12-120-M2	12-120-A2
12.5"	12-125-S2	12-125-M2	12-125-A2
13"	12-130-S2	12-130-M2	12-130-A2
13.5"	12-135-S2	12-135-M2	12-135-A2
14"	12-140-S2	12-140-M2	12-140-A2
14.5"	12-145-S2	12-145-M2	12-145-A2
15"	12-150-S2	12-150-M2	12-150-A2
15.5"	12-155-S2	12-155-M2	12-155-A2
16"	12-160-S2	12-160-M2	12-160-A2
16.5"	12-165-S2	12-165-M2	12-165-A2
17"	12-170-S2	12-170-M2	12-170-A2
17.5"	12-175-S2	12-175-M2	12-175-A2
18"	12-180-S2	12-180-M2	12-180-A2
18.5"	12-185-S2	12-185-M2	12-185-A2
19"	12-190-S2	12-190-M2	12-190-A2
19.5"	12-195-S2	12-195-M2	12-195-A2
20"	12-200-S2	12-200-M2	12-200-A2
20.5"	12-205-S2	12-205-M2	12-205-A2
21"	12-210-S2	12-210-M2	12-210-A2
21.5"	12-215-S2	12-215-M2	12-215-A2
22"	12-220-S2	12-220-M2	12-220-A2
22.5"	12-225-S2	12-225-M2	12-225-A2
23"	12-230-S2	12-230-M2	12-230-A2
23.5"	12-235-S2	12-235-M2	12-235-A2
24"	12-240-S2	12-240-M2	12-240-A2
24.5"	12-245-S2	12-245-M2	12-245-A2
25"	12-250-S2	12-250-M2	12-250-A2
25.5"	12-255-S2	12-255-M2	12-255-A2
26"	12-260-S2	12-260-M2	12-260-A2
26.5"	12-265-S2	12-265-M2	12-265-A2
27"	12-270-S2	12-270-M2	12-270-A2
27.5"	12-275-S2	12-275-M2	12-275-A2
28"	12-280-S2	12-280-M2	12-280-A2
28.5"	12-285-S2	12-285-M2	12-285-A2

GREASABLE ALUMINUM SWEDGE TUBE KITS

5/8" Rod Ends - 1 1/8" Aluminum Swedge Tubes Continued

Features Out-Pace's Patented Greasable Rod End System, 5/8-16 Threads, .156" Wall
When ordering, specify large or small jam nuts

Tube Length	Steel Rod Ends	Moly Rod Ends	Aluminum Rod Ends
29"	12-290-S2	12-290-M2	12-290-A2
29.5"	12-295-S2	12-295-M2	12-295-A2
30"	12-300-S2	12-300-M2	12-300-A2
30.5"	12-305-S2	12-305-M2	12-305-A2
31"	12-310-S2	12-310-M2	12-310-A2
31.5"	12-315-S2	12-315-M2	12-315-A2
32"	12-320-S2	12-320-M2	12-320-A2
32.5"	12-325-S2	12-325-M2	12-325-A2
33"	12-330-S2	12-330-M2	12-330-A2
33.5"	12-335-S2	12-335-M2	12-335-A2
34"	12-340-S2	12-340-M2	12-340-A2
34.5"	12-345-S2	12-345-M2	12-345-A2
35"	12-350-S2	12-350-M2	12-350-A2
35.5"	12-355-S2	12-355-M2	12-355-A2
36"	12-360-S2	12-360-M2	12-360-A2
36.5"	12-365-S2	12-365-M2	12-365-A2
37"	12-370-S2	12-370-M2	12-370-A2
37.5"	12-375-S2	12-375-M2	12-375-A2
38"	12-380-S2	12-380-M2	12-380-A2
38.5"	12-385-S2	12-385-M2	12-385-A2
39"	12-390-S2	12-390-M2	12-390-A2
39.5"	12-395-S2	12-395-M2	12-395-A2
40"	12-400-S2	12-400-M2	12-400-A2
40.5"	12-405-S2	12-405-M2	12-405-A2
41"	12-410-S2	12-410-M2	12-410-A2
41.5"	12-415-S2	12-415-M2	12-415-A2
42"	12-420-S2	12-420-M2	12-420-A2

5/8" Rod Ends 1 1/4" Aluminum Swedge Tubes

Features Out-Pace's Patented Greasable Rod End System, 5/8-16 Threads, .160" Wall
When ordering, specify large or small jam nuts

Tube Length	Steel Rod Ends	Moly Rod Ends	Aluminum Rod Ends
18"	13-180-S2	13-180-M2	13-180-A2
18.5"	13-185-S2	13-185-M2	13-185-A2
19"	13-190-S2	13-190-M2	13-190-A2
19.5"	13-195-S2	13-195-M2	13-195-A2
20"	13-200-S2	13-200-M2	13-200-A2
20.5"	13-205-S2	13-205-M2	13-205-A2
21"	13-210-S2	13-210-M2	13-210-A2
21.5"	13-215-S2	13-215-M2	13-215-A2
22"	13-220-S2	13-220-M2	13-220-A2
22.5"	13-225-S2	13-225-M2	13-225-A2
23"	13-230-S2	13-230-M2	13-230-A2
23.5"	13-235-S2	13-235-M2	13-235-A2
24"	13-240-S2	13-240-M2	13-240-A2
24.5"	13-245-S2	13-245-M2	13-245-A2
25"	13-250-S2	13-250-M2	13-250-A2
25.5"	13-255-S2	13-255-M2	13-255-A2
26"	13-260-S2	13-260-M2	13-260-A2
26.5"	13-265-S2	13-265-M2	13-265-A2
27"	13-270-S2	13-270-M2	13-270-A2
27.5"	13-275-S2	13-275-M2	13-275-A2
28"	13-280-S2	13-280-M2	13-280-A2
28.5"	13-285-S2	13-285-M2	13-285-A2
29"	13-290-S2	13-290-M2	13-290-A2
29.5"	13-295-S2	13-295-M2	13-295-A2
30"	13-300-S2	13-300-M2	13-300-A2
30.5"	13-305-S2	13-305-M2	13-305-A2
31"	13-310-S2	13-310-M2	13-310-A2
31.5"	13-315-S2	13-315-M2	13-315-A2
32"	13-320-S2	13-320-M2	13-320-A2
32.5"	13-325-S2	13-325-M2	13-325-A2
33"	13-330-S2	13-330-M2	13-330-A2
33.5"	13-335-S2	13-335-M2	13-335-A2
34"	13-340-S2	13-340-M2	13-340-A2
34.5"	13-345-S2	13-345-M2	13-345-A2
35"	13-350-S2	13-350-M2	13-350-A2
35.5"	13-355-S2	13-355-M2	13-355-A2
36"	13-360-S2	13-360-M2	13-360-A2
36.5"	13-365-S2	13-365-M2	13-365-A2
37"	13-370-S2	13-370-M2	13-370-A2

Have a Sprint Car or Midget

GREASABLE ALUMINUM SWEDGE TUBE KITS

5/8" Rod Ends - 1 1/4" Aluminum Swedge Tubes Continued

Features Out-Pace's Patented Greasable Rod End System, 5/8-16 Threads, .160" Wall
When ordering, specify large or small jam nuts

Tube Length	Steel Rod Ends	Moly Rod Ends	Aluminum Rod Ends
37.5"	13-375-S4	13-375-M4	13-375-A4
38"	13-380-S4	13-380-M4	13-380-A4
38.5"	13-385-S4	13-385-M4	13-385-A4
39"	13-390-S4	13-390-M4	13-390-A4
39.5"	13-395-S4	13-395-M4	13-395-A4
40"	13-400-S4	13-400-M4	13-400-A4
40.5"	13-405-S4	13-405-M4	13-405-A4
41"	13-410-S4	13-410-M4	13-410-A4
41.5"	13-415-S4	13-415-M4	13-415-A4
42"	13-420-S4	13-420-M4	13-420-A4

Get Your Custom Made Sprint Car and Midget Steering Arms and Draglinks

Custom Made to your specifications. PN# 5-_-_-_-



Need an Upper or Lower A-Frame?

GREASABLE STEEL TUBE KITS

5/8" Rod Ends - 7/8" Round Steel Tubes

Features Out-Pace's Patented Greasable Rod End System, 5/8-18 Threads, .156" Wall, 13/16" wrench Flat w/Jam Nuts and Powdercoated Black for Long Life

When ordering, specify large or small jam nuts

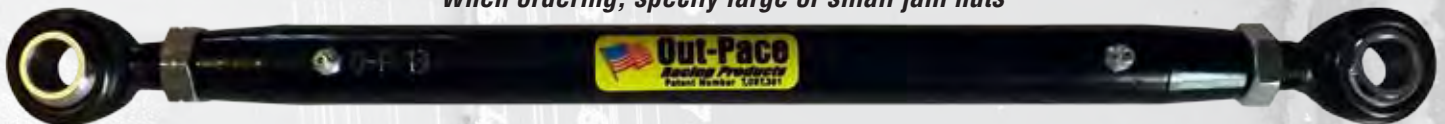


Tube Length	Steel Rod Ends		Moly Rod Ends	
4.5"	8-045-S2		8-045-M2	
5"	8-050-S2		8-050-M2	
5.5"	8-055-S2		8-055-M2	
6"	8-060-S2		8-060-M2	
6.5"	8-065-S2		8-065-M2	
7"	8-070-S2		8-070-M2	
7.5"	8-075-S2		8-075-M2	
8"	8-080-S2		8-080-M2	
8.5"	8-085-S2		8-085-M2	
9"	8-090-S2		8-090-M2	
10"	8-100-S2		8-100-M2	
11"	8-110-S2		8-110-M2	
12"	8-120-S2		8-120-M2	
13"	8-130-S2		8-130-M2	
14"	8-140-S2		8-140-M2	
15"	8-150-S2		8-150-M2	

5/8" Rod Ends - 1" O.D Welded Round Steel Tubes

Features Out-Pace's Patented Greasable Rod End System, 5/8-18 Threads, .065" Wall and Powdercoated Black.

When ordering, specify large or small jam nuts



Tube Length	Steel Rod Ends		Moly Rod Ends	
5"	5-050-S2		5-050-M2	
6"	5-060-S2		5-060-M2	
7"	5-070-S2		5-070-M2	
8"	5-080-S2		5-080-M2	
9"	5-090-S2		5-090-M2	
10"	5-100-S2		5-100-M2	
11"	5-110-S2		5-110-M2	
12"	5-120-S2		5-120-M2	
13"	5-130-S2		5-130-M2	
14"	5-140-S2		5-140-M2	
15"	5-150-S2		5-150-M2	
16"	5-160-S2		5-160-M2	
17"	5-170-S2		5-170-M2	
18"	5-180-S2		5-180-M2	
19"	5-190-S2		5-190-M2	
20"	5-200-S2		5-200-M2	

GREASABLE STEEL TUBE KITS

3/4" Rod Ends - 1 1/8" Round Steel Tubes

Features Out-Pace's Patented Greasable Rod End System, 3/4-16 Threads, .065" Wall. Powdercoated Black for Long Life



Tube Length	Steel Rod Ends		Moly Rod Ends	
5"	6-050-S4		6-050-M4	
6"	6-060-S4		6-060-M4	
7"	6-070-S4		6-070-M4	
8"	6-080-S4		6-080-M4	
9"	6-090-S4		6-090-M4	
10"	6-100-S4		6-100-M4	
11"	6-110-S4		6-110-M4	
12"	6-120-S4		6-120-M4	
13"	6-130-S4		6-130-M4	
14"	6-140-S4		6-140-M4	
15"	6-150-S2		6-150-M4	
16"	6-160-S4		6-160-M4	
17"	6-170-S4		6-170-M4	
18"	6-180-S4		6-180-M4	
19"	6-190-S4		6-190-M4	
20"	6-200-S4		6-200-M4	
21"	6-210-S4		6-210-M4	
22"	6-220-S4		6-220-M4	
23"	6-230-S4		6-230-M4	
24"	6-240-S4		6-240-M4	

How to Properly Measure Your Out-Pace Greaseable Tube Length

Please subtract 1.5" for each rod end from your overall measurement to determine the length of the tube required.

Need Replacement Rod Ends?

Out-Pace has you covered with a variety of options, they begin on page 25.

GREASABLE STEEL TUBE KITS

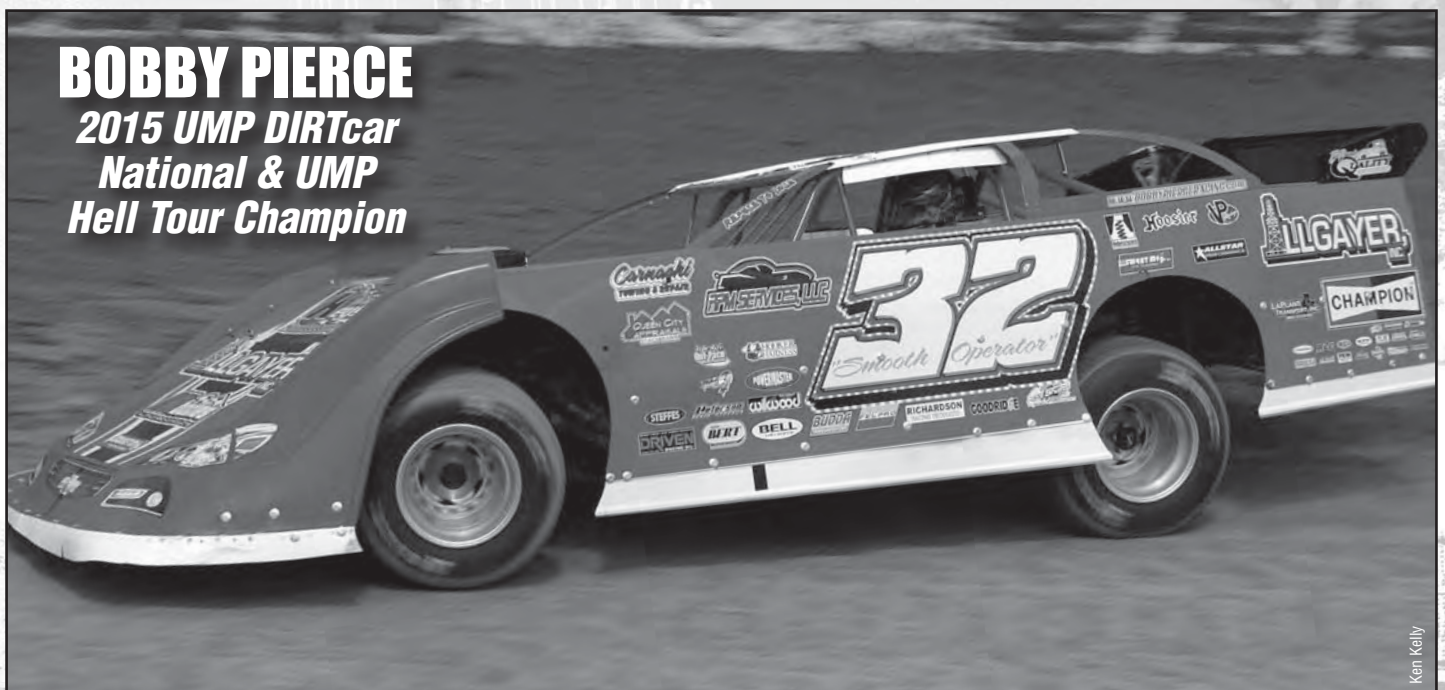
3/4" Rod Ends - 1 1/4" Round Steel Tubes

Features Out-Pace's Patented Greasable Rod End System, 3/4-16 Threads, .095" Wall. Powdercoated Black for Long Life



Tube Length	Steel Rod Ends		Moly Rod Ends	
5"	7-050-S4		7-050-M4	
6"	7-060-S4		7-060-M4	
7"	7-070-S4		7-070-M4	
8"	7-080-S4		7-080-M4	
9"	7-090-S4		7-090-M4	
10"	7-100-S4		7-100-M4	
11"	7-110-S4		7-110-M4	
12"	7-120-S4		7-120-M4	
13"	7-130-S4		7-130-M4	
14"	7-140-S4		7-140-M4	
15"	7-150-S4		7-150-M4	
16"	7-160-S4		7-160-M4	
17"	7-170-S4		7-170-M4	
18"	7-180-S4		7-180-M4	
19"	7-190-S4		7-190-M4	
20"	7-200-S4		7-200-M4	
21"	7-210-S4		7-210-M4	
22"	7-220-S4		7-220-M4	
23"	7-230-S4		7-230-M4	
24"	7-240-S4		7-240-M4	

BOBBY PIERCE
 2015 UMP DIRTcar
 National & UMP
 Hell Tour Champion



Ken Kelly

STANDARD NON-GREASEABLE ALUMINUM TUBES

7/8" Round Aluminum Tubes

5/8-18 Threads, .156" Wall, 13/16" wrench Flats and Anodized Black for Long Life



4.5".....90-045	11.5".....90-115	18.5".....90-185
5".....90-050	12".....90-120	19".....90-190
5.5".....90-055	12.5".....90-125	19.5".....90-195
6".....90-060	13".....90-130	20".....90-200
6.5".....90-065	13.5".....90-135	20.5".....90-205
7".....90-070	14".....90-140	21".....90-210
7.5".....90-075	14.5".....90-145	21.5".....90-215
8".....90-080	15".....90-150	22".....90-220
8.5".....90-085	15.5".....90-155	22.5".....90-225
9".....90-090	16".....90-160	23".....90-230
9.5".....90-095	16.5".....90-165	23.5".....90-235
10".....90-100	17".....90-170	24".....90-240
10.5".....90-105	17.5".....90-175	24.5".....90-245
11".....90-110	18".....90-180	

7/8" Hex Aluminum Tubes

5/8-18 Threads, .156" Wall, 7/8" wrench fits tube and Anodized Black for Long Life



4.5".....91-045	11.5".....91-115	18.5".....91-185
5".....91-050	12".....91-120	19".....91-190
5.5".....91-055	12.5".....91-125	19.5".....91-195
6".....91-060	13".....91-130	20".....91-200
6.5".....91-065	13.5".....91-135	20.5".....91-205
7".....91-070	14".....91-140	21".....91-210
7.5".....91-075	14.5".....91-145	21.5".....91-215
8".....91-080	15".....91-150	22".....91-220
8.5".....91-085	15.5".....91-155	22.5".....91-225
9".....91-090	16".....91-160	23".....91-230
9.5".....91-095	16.5".....91-165	23.5".....91-235
10".....91-100	17".....91-170	24".....91-240
10.5".....91-105	17.5".....91-175	24.5".....91-245
11".....91-110	18".....91-180	

1" Hex Aluminum Tubes

3/4-16 Threads, Anodized Black for Long Life



10".....93-100	15".....93-150	20".....93-200
10.5".....93-105	15.5".....93-155	20.5".....93-205
11".....93-110	16".....93-160	21".....93-210
11.5".....93-115	16.5".....93-165	21.5".....93-215
12".....93-120	17".....93-170	22".....93-220
12.5".....93-125	17.5".....93-175	22.5".....93-225
13".....93-130	18".....93-180	23".....93-230
13.5".....93-135	18.5".....93-185	23.5".....93-235
14".....93-140	19".....93-190	24".....93-240
14.5".....93-145	19.5".....93-195	24.5".....93-245

Need Replacement Rod Ends?

Out-Pace has you covered with a variety of options, they begin on page 25.

STANDARD NON-GREASEABLE ALUMINUM SWEDGE TUBES

3/8" Aluminum Swage Tubes

3/8-18 Threads, .120" Wall. Custom Lengths Available.



10".....	98-100
10.5".....	98-105 .00
11".....	98-110
11.5".....	98-115
12".....	98-120
12.5".....	98-125
13".....	98-130
13.5".....	98-135
14".....	98-140
14.5".....	98-145
15".....	98-150

15.5".....	98-155
16".....	98-160
16.5".....	98-165
17".....	98-170
17.5".....	98-175
18".....	98-180
18.5".....	98-185
19".....	98-190
19.5".....	98-195
20".....	98-200
20.5".....	98-205

21".....	98-210
21.5".....	98-215
22".....	98-220
22.5".....	98-225
23".....	98-230
23.5".....	98-235
24".....	98-240
24.5".....	98-245
25".....	98-250

1/2" Aluminum Swedge Tubes

1/2-18 Threads, .120" Wall. Custom Lengths Available.

10".....	99-100
10.5".....	99-105
11".....	99-110
11.5".....	99-115
12".....	99-120
12.5".....	99-125
13".....	99-130
13.5".....	99-135
14".....	99-140
14.5".....	99-145
15".....	99-150

15.5".....	99-155
16".....	99-160
16.5".....	99-165
17".....	99-170
17.5".....	99-175
18".....	99-180
18.5".....	99-185
19".....	99-190
19.5".....	99-195
20".....	99-200
20.5".....	99-205

21".....	99-210
21.5".....	99-215
22".....	99-220
22.5".....	99-225
23".....	99-230
23.5".....	99-235
24".....	99-240
24.5".....	99-245
25".....	99-250

5/8" End - 1" Aluminum Swedge Tubes

5/8-18 Threads, .120" Wall. Custom Lengths Available.

10".....	100-100
10.5".....	100-105
11".....	100-110
11.5".....	100-115
12".....	100-120
12.5".....	100-125
13".....	100-130
13.5".....	100-135
14".....	100-140
14.5".....	100-145
15".....	100-150

15.5".....	100-155
16".....	100-160
16.5".....	100-165
17".....	100-170
17.5".....	100-175
18".....	100-180
18.5".....	100-185
19".....	100-190
19.5".....	100-195
20".....	100-200
20.5".....	100-205

21".....	100-210
21.5".....	100-215
22".....	100-220
22.5".....	100-225
23".....	100-230
23.5".....	100-235
24".....	100-240
24.5".....	100-245
25".....	100-250

Looking for Weight Clamps or Shock Canister Mounts?

Out-Pace carries a wide variety of sizes and types. You can find them on page 43.

STANDARD NON-GREASEABLE ALUMINUM SWEDGE TUBES

5/8" End - 1 1/8" Aluminum Swage Tubes
 5/8-18 Threads, .156" Wall. Custom Lengths Available.



10".....101-100	21".....101-210	32".....101-320
10.5".....101-105	21.5".....101-215	32.5".....101-325
11".....101-110	22".....101-220	33".....101-330
11.5".....101-115	22.5".....101-225	33.5".....101-335
12".....101-120	23".....101-230	34".....101-340
12.5".....101-125	23.5".....101-235	34.5".....101-345
13".....101-130	24".....101-240	35".....101-350
13.5".....101-135	24.5".....101-245	35.5".....101-355
14".....101-140	25".....101-250	36".....101-360
14.5".....101-145	25.5".....101-255	36.5".....101-365
15".....101-150	26".....101-260	37".....101-370
15.5".....101-155	26.5".....101-265	37.5".....101-375
16".....101-160	27".....101-270	38".....101-380
16.5".....101-165	27.5".....101-275	38.5".....101-385
17".....101-170	28".....101-280	39".....101-390
17.5".....101-175	28.5".....101-285	39.5".....101-395
18".....101-180	29".....101-290	40".....101-400
18.5".....101-185	29.5".....101-295	40.5".....101-405
19".....101-190	30".....101-300	41".....101-4100
19.5".....101-195	30.5".....101-305	41.5".....101-415
20".....101-200	31".....101-310	42".....101-420
20.5".....101-205	31.5".....101-315	42.5".....101-425

5/8" End - 1 1/4" Aluminum Swedge Tubes
 5/8-18 Threads, .160" Wall. Custom Lengths Available.

18".....102-180	26".....102-260	34.5".....102-345
18.5".....102-185	26.5".....102-265	35".....102-350
19".....102-190	27".....102-270	35.5".....102-355
19.5".....102-195	27.5".....102-275	36".....102-360
20".....102-200	28".....102-280	36.5".....102-365
20.5".....102-205	28.5".....102-285	37".....102-370
21".....102-210	29".....102-290	37.5".....102-375
21.5".....102-215	29.5".....102-295	38".....102-380
22".....102-220	30".....102-300	38.5".....102-385
22.5".....102-225	30.5".....102-305	39".....102-390
23".....102-230	31".....102-310	39.5".....102-395
23.5".....102-235	31.5".....102-315	40".....102-400
24".....102-240	32".....102-320	40.5".....102-405
24.5".....102-245	32.5".....102-325	41".....102-410
25".....102-250	33".....102-330	41.5".....102-415
25.5".....102-255	33.5".....102-335	42".....102-420
	34".....102-340	

STEEL MISALIGNMENT BUSHINGS

Helps prevent misalignment with Rod Ends and allow for Maximum Movement. Available in both 1/2" and 5/8" I.D. Sold in Pairs.

10-8HB 1/2" I.D.
 12-10HB 5/8" I.D.



Looking for J-Bar and Panhard Bar Mounts & Brackets?

Out-Pace manufactures a wide variety of pinion and frame mounts in steel and aluminum. Find them on page 35.

STANDARD NON-GREASEABLE STEEL TUBES

7/8" O.D. Round Steel Tubes

5/8-18 Threads, .156" Wall, 13/16" wrench Flats and Powdercoated Black for Long Life



4.5".....94-045	9".....94-090	17".....94-170
5".....94-050	10".....94-100	18".....94-180
5.5".....94-055	11".....94-110	19".....94-190
6".....94-060	12".....94-120	20".....94-200
6.5".....94-065	12.5".....94-125	21".....94-210
7".....94-070	13".....94-130	22".....94-220
7.5".....94-075	14".....94-140	23".....94-230
8".....94-080	15".....94-150	24".....94-240
8.5".....94-085	16".....94-160	

1" O.D. Welded Round Steel Tubes

5/8-18 Threads, .065" Wall and Powdercoated Black for Long Life



5".....95-050	12".....95-120	18".....95-180
6".....95-060	13".....95-130	19".....95-190
7".....95-070	14".....95-140	20".....95-200
8".....95-080	15".....95-150	21".....95-210
9".....95-090	16".....95-160	22".....95-220
10".....95-100	17".....95-170	23".....95-230
11".....95-110		24".....95-240

1 1/8" Round Steel Tubes

3/4-16 Threads, .065" Wall and Powdercoated Black for Long Life. Not to be used for Pullbar or Panhard Bar.



5".....96-050	12".....96-120	18".....96-180
6".....96-060	13".....96-130	19".....96-190
7".....96-070	14".....96-140	20".....96-200
8".....96-080	15".....96-150	21".....96-210
9".....96-090	16".....96-160	22".....96-220
10".....96-100	17".....96-170	23".....96-230
11".....96-110		24".....96-240

1 1/4" Round Steel Tubes

3/4-16 Threads, .095" Wall and Powdercoated Black for Long Life



5".....97-050	12".....97-120	18".....97-180
6".....97-060	13".....97-130	19".....97-190
7".....97-070	14".....97-140	20".....97-200
8".....97-080	15".....97-150	21".....97-210
9".....97-090	16".....97-160	22".....97-220
10".....97-100	17".....97-170	23".....97-230
11".....97-110		24".....97-240

NON-GREASEABLE BENT LEFT LOWER STEEL TUBE

5/8" Rod Ends - 7/8" or 1" O.D. Round Steel Tubes

Bent Design for Addition Clearance, Available in both 7/8" or 1" Welded O.D. Tubes.

Powdercoated Black for Long Life.

When ordering, specify large or small jam nuts

7/8" O.D. NON-GREASEABLE TUBE

10".....	50-100-NG
11".....	50-110-NG
12".....	50-120-NG
13".....	50-130-NG
14".....	50-140-NG
15".....	50-150-NG
16".....	50-160-NG
17".....	50-170-NG
18".....	50-180-NG
19".....	50-190-NG
20".....	50-200-NG

1" WELDED O.D. NON-GREASEABLE TUBE

10".....	59-100-NG
11".....	59-111-NG
12".....	59-112-NG
13".....	59-113-NG
14".....	59-114-NG
15".....	59-115-NG
16".....	59-116-NG
17".....	59-117-NG
18".....	59-118-NG
19".....	59-119-NG
20".....	59-200-NG



GREASABLE STEEL SWING ARMS

3/4" Molly Rod Ends with 3/4 or 5/8 hole Round Steel Tubes

Features Out-Pace's Patented Greasable Rod End System. Available with Short or Long Plates and with either 3/4" or 5/8" hole on Rod Ends. 3/4-18 Threads and Powdercoated Black for Long Life

Short Plates w/ 3/4" holes on Rod Ends

14.5" c/c	50-001
15.5" c/c	50-002

Long Plates w/ 3/4" holes on Rod Ends

14.5" c/c	50-003
15.5" c/c	50-004

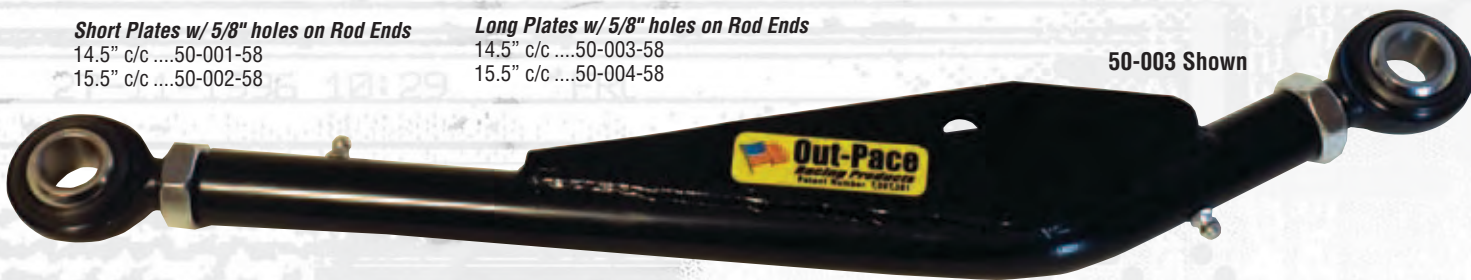
Short Plates w/ 5/8" holes on Rod Ends

14.5" c/c	50-001-58
15.5" c/c	50-002-58

Long Plates w/ 5/8" holes on Rod Ends

14.5" c/c	50-003-58
15.5" c/c	50-004-58

50-003 Shown



STEEL MISALIGNMENT BUSHINGS

Helps prevent misalignment with Rod Ends and allow for Maximum Movement. Available in both 1/2" and 5/8" I.D. Sold in Pairs.

10-8HB	1/2" I.D.
12-10HB	5/8" I.D.



GREASABLE BENT LEFT LOWER STEEL TUBE KITS

Bent Round Steel Tubes with either 5/8" or 3/4" Rod Ends.

Bent design for addition clearance and are available with Steel or Moly Rod Ends. The 7/8" O.D. Tubes feature 5/8" Rod Ends and 1" O.D. Tubes feature 3/4" Rod Ends. They features Out-Pace's Patented Greasable Rod End System and Powdercoated Black for Long Life.

When ordering, specify large or small jam nuts

5/8" STEEL ROD ENDS

10"	50-100-S2
11"	50-110-S2
12"	50-120-S2
13"	50-130-S2
14"	50-140-S2
15"	50-150-S2
16"	50-160-S2
16.5"	50-165-S2
17"	50-170-S2
18"	50-180-S2

5/8" MOLY ROD ENDS

10"	50-100-M2
11"	50-110-M2
12"	50-120-M2
13"	50-130-M2
14"	50-140-M2
15"	50-150-M2
16"	50-160-M2
16.5"	50-165-M2
17"	50-170-M2
18"	50-180-M2

3/4" ROD ENDS

Steel

10"	50-010-S4
11"	50-011-S4
11 3/4"	50-01175-S4
12"	50-012-S4
13"	50-013-S4
14"	50-014-S4
15"	50-015-S4

Moly

10"	50-010-M4
11"	50-011-M4
11 3/4"	50-01175-M4
12"	50-012-M4
13"	50-013-M4
14"	50-014-M4
15"	50-015-M4



GREASABLE BENT LEFT LOWER STEEL TUBE KITS

1" Welded O.D. Round Steel Tubes with 5/8" Rod Ends

Bent design for addition clearance, 1" Welded O.D. Tubes feature .120 wall and available with 5/8" Rod Ends in both Steel or Chrome Moly versions. They feature Out-Pace's Patented Greasable Rod End System and Powdercoated Black for Long Life.

When ordering, specify large or small jam nuts

5/8" STEEL ROD ENDS

10"	59-100-S2
11"	59-111-S2
12"	59-112-S2
13"	59-113-S2
14"	59-114-S2
15"	59-115-S2
16"	59-116-S2
17"	59-117-S2
18"	59-118-S2

5/8" MOLY ROD ENDS

10"	59-110-M2
11"	59-111-M2
12"	59-112-M2
13"	59-113-M2
14"	59-114-M2
15"	59-115-M2
16"	59-116-M2
17"	59-117-M2
18"	59-118-M2



Need Replacement Rod Ends?

Out-Pace has you covered with a variety of options, they begin on page 25.

GREASABLE DOUBLE ROD END ASSEMBLY

5/8" Rod Ends Featuring Double Rod End

The Greasable Double Rod End is IDEAL for times where a need to shorten or lengthen a suspension rod to tune a chassis. Instead of replacing or swapping different length suspension tubes, you just move the bolt into the other rod end to make the adjustment. The Rod End has a 2" spacing. Sold as a kit, includes tube assembly, brackets and no-bind spacer kit it features Out-Pace's Patented Greasable Rod End System.

It is available in both 7/8" and 1" O.D. Round Steel as well as Aluminum Round and Hex versions.

5/8" ROUND ALUMINUM TUBE

10" Bar111-100-S2DB
 11" Bar111-110-S2DB
 12" Bar111-120-S2DB
 13" Bar111-130-S2DB
 14" Bar111-140-S2DB
 15" Bar111-150-S2DB
 16" Bar111-160-S2DB
 17" Bar111-170-S2DB

7/8" HEX ALUMINUM TUBE

10" Bar333-100-S2DB
 11" Bar333-110-S2DB
 12" Bar333-120-S2DB
 13" Bar333-130-S2DB
 14" Bar333-140-S2DB
 15" Bar333-150-S2DB
 16" Bar333-160-S2DB
 17" Bar333-170-S2DB

7/8" ROUND STEEL TUBE

10" Bar558-100-S2DB
 11" Bar558-110-S2DB
 12" Bar558-120-S2DB
 13" Bar558-130-S2DB
 14" Bar558-140-S2DB
 15" Bar558-150-S2DB
 16" Bar558-160-S2DB
 17" Bar558-170-S2DB

1" WELDED O.D. ROUND STEEL TUBE

10" Bar888-100-S2DB
 11" Bar888-110-S2DB
 12" Bar888-120-S2DB
 13" Bar888-130-S2DB
 14" Bar888-140-S2DB
 15" Bar888-150-S2DB
 16" Bar888-160-S2DB
 17" Bar888-170-S2DB

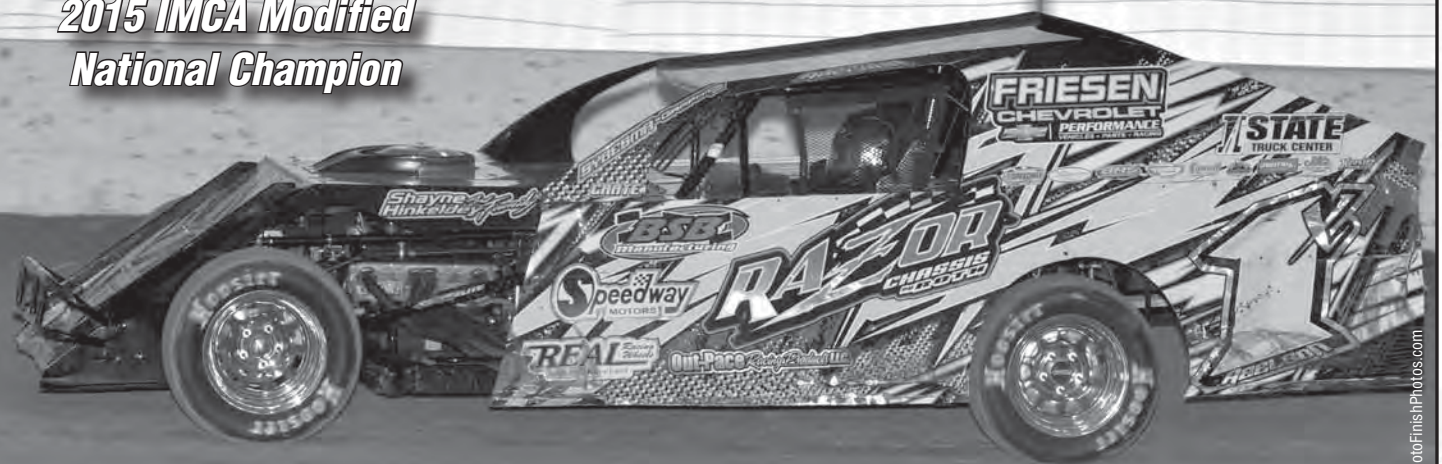


Need Replacement Rod Ends?

Out-Pace has you covered with a variety of options, they begin on page 25.

CHRIS ABELSON

2015 IMCA Modified
 National Champion



Tom Machy/PhotoFinishPhotos.com

GREASABLE STEEL MODIFIED TIE ROD ASSEMBLY

5/8" Rod End - 7/8" O.D. Round Steel Tubes

Features Out-Pace's Patented Greasable Rod End System with either Steel or Moly Rod End. 5/8-18 Threads, .156" Wall and Powdercoated Black for Long Life.

When ordering, specify large or small jam nuts



LEFT SIDE OUTER TIE ROD Steel Rod End

9"	55-809-SL-S
10"	55-810-SL-S
11"	55-811-SL-S
12"	55-812-SL-S
13"	55-813-SL-S
14"	55-814-SL-S
15"	55-815-SL-S

Moly Rod End

9"	55-809-SL-M
10"	55-810-SL-M
11"	55-811-SL-M
12"	55-812-SL-M
13"	55-813-SL-M
14"	55-814-SL-M
15"	55-815-SL-M

RIGHT SIDE OUTER TIE ROD Steel Rod End

9"	55-809-SR-S
10"	55-810-SR-S
11"	55-811-SR-S
12"	55-812-SR-S
13"	55-813-SR-S
14"	55-814-SR-S
15"	55-815-SR-S

Moly Rod End

9"	55-810-SR-M
10"	55-810-SR-M
11"	55-811-SR-M
12"	55-812-SR-M
13"	55-813-SR-M
14"	55-814-SR-M
15"	55-815-SR-M

GREASEABLE TUBE ONLY Right Side

9"	55-809-BL
10"	55-810-BL
11"	55-811-BL
12"	55-812-BL
13"	55-813-BL
14"	55-814-BL
15"	55-815-BL

Left Side

9"	55-810-BR
10"	55-810-BR
11"	55-811-BR
12"	55-812-BR
13"	55-813-BR
14"	55-814-BR
15"	55-815-BR

GREASABLE STEEL BENT MODIFIED TIE ROD ASSEMBLY

5/8" Rod End - 7/8" O.D. Round Steel Tubes

Bent Tube Design for Additional Frame Clearance. Features Out-Pace's Patented Greasable Rod End System with either Steel or Moly Rod End. 5/8-18 Threads, .156" Wall and Powdercoated Black for Long Life.

When ordering, specify large or small jam nuts

BENT LEFT SIDE OUTER TIE ROD Steel Rod End

9"	55-809-BL-S
10"	55-810-BL-S
11"	55-811-BL-S
12"	55-812-BL-S
13"	55-813-BL-S
14"	55-814-BL-S
15"	55-815-BL-S

Moly Rod End

9"	55-809-BL-M
10"	55-810-BL-M
11"	55-811-BL-M
12"	55-812-BL-M
13"	55-813-BL-M
14"	55-814-BL-M
15"	55-815-BL-M

BENT RIGHT SIDE OUTER TIE ROD Steel Rod End

9"	55-809-BR-S
10"	55-810-BR-S
11"	55-811-BR-S
12"	55-812-BR-S
13"	55-813-BR-S
14"	55-814-BR-S
15"	55-815-BR-S

Moly Rod End

9"	55-809-BR-M
10"	55-810-BR-M
11"	55-811-BR-M
12"	55-812-BR-M
13"	55-813-BR-M
14"	55-814-BR-M
15"	55-815-BR-M

GREASEABLE TUBE ONLY Right Side

9"	55-809-BR
10"	55-810-BR
11"	55-811-BR
12"	55-812-BR
13"	55-813-BR
14"	55-814-BR
15"	55-815-BR

Left Side

9"	55-809-BL
10"	55-810-BL
11"	55-811-BL
12"	55-812-BL
13"	55-813-BL
14"	55-814-BL
15"	55-815-BL



GREASEABLE STEEL MODIFIED TIE ROD ASSEMBLY

5/8" Rod End - 1" Welded O.D. Round Steel Tubes

Features Out-Pace's Patented Greasable Rod End System and are available with Steel or Moly Rod End.

5/8-18 Threads, .065" Wall and Powdercoated Black for Long Life.

When ordering, specify large or small jam nuts



LEFT SIDE OUTER TIE ROD Steel Rod End

9"	55-509-SL-S
10"	55-510-SL-S
11"	55-511-SL-S
12"	55-512-SL-S
13"	55-513-SL-S
14"	55-514-SL-S
15"	55-515-SL-S

Moly Rod End

9"	55-509-SL-M
10"	55-510-SL-M
11"	55-511-SL-M
12"	55-512-SL-M
13"	55-513-SL-M
14"	55-514-SL-M
15"	55-515-SL-M

RIGHT SIDE OUTER TIE ROD Steel Rod End

9"	55-509-SR-S
10"	55-510-SR-S
11"	55-511-SR-S
12"	55-512-SR-S
13"	55-513-SR-S
14"	55-514-SR-S
15"	55-515-SR-S

Moly Rod End

9"	55-509-SR-M
10"	55-510-SR-M
11"	55-511-SR-M
12"	55-512-SR-M
13"	55-513-SR-M
14"	55-514-SR-M
15"	55-515-SR-M

GREASEABLE TUBE ONLY Left Side

9"	55-509-SL
10"	55-510-SL
11"	55-511-SL
12"	55-512-SL
13"	55-513-SL
14"	55-514-SL
15"	55-515-SL

Right Side

9"	55-509-SR
10"	55-510-SR
11"	55-511-SR
12"	55-512-SR
13"	55-513-SR
14"	55-514-SR
15"	55-515-SR

GREASABLE STEEL BENT MODIFIED TIE ROD ASSEMBLY

5/8" Rod End - 1" Welded O.D. Round Steel Tubes

Bent Tube Design for Additional Frame Clearance. Features Out-Pace's Patented Greasable Rod End System with either Steel or Moly Rod End. 5/8-18 Threads, .065" Wall and Powdercoated Black for Long Life.

When ordering, specify large or small jam nuts

BENT LEFT SIDE OUTER TIE ROD Steel Rod End

9"	55-509-BL-S
10"	55-510-BL-S
11"	55-511-BL-S
12"	55-512-BL-S
13"	55-513-BL-S
14"	55-514-BL-S
15"	55-515-BL-S

Moly Rod End

9"	55-509-BL-M
10"	55-510-BL-M
11"	55-511-BL-M
12"	55-512-BL-M
13"	55-513-BL-M
14"	55-514-BL-M
15"	55-515-BL-M

BENT RIGHT SIDE OUTER TIE ROD Steel Rod End

9"	55-509-BR-S
10"	55-510-BR-S
11"	55-511-BR-S
12"	55-512-BR-S
13"	55-513-BR-S
14"	55-514-BR-S
15"	55-515-BR-S

Moly Rod End

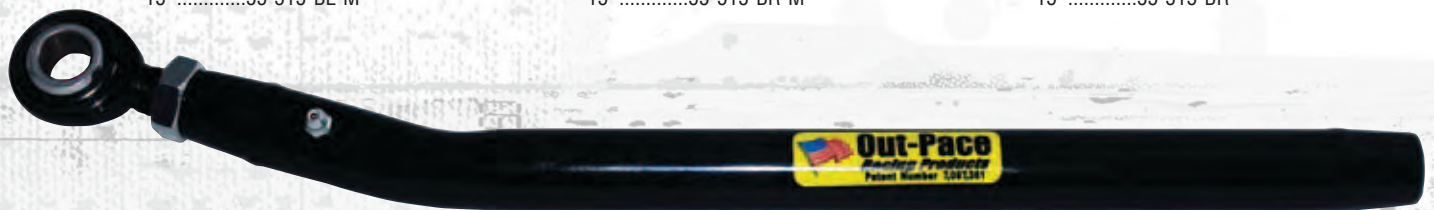
9"	55-509-BR-M
10"	55-510-BR-M
11"	55-511-BR-M
12"	55-512-BR-M
13"	55-513-BR-M
14"	55-514-BR-M
15"	55-515-BR-M

GREASEABLE TUBE ONLY Left Side

9"	55-509-BL
10"	55-510-BL
11"	55-511-BL
12"	55-512-BL
13"	55-513-BL
14"	55-514-BL
15"	55-515-BL

Right Side

9"	55-509-BR
10"	55-510-BR
11"	55-511-BR
12"	55-512-BR
13"	55-513-BR
14"	55-514-BR
15"	55-515-BR



GREASABLE EXTREME DROP BENT STEEL MODIFIED TIE ROD ASSEMBLY

5/8" Rod End - 7/8" O.D. Round Steel Tubes

Extreme Drop Bent Tube Design for Maximum Frame Clearance. Features Out-Pace's Patented Greasable Rod End System and available with either Steel or Moly Rod End. 5/8-18 Threads, .156" Wall and Powdercoated Black for Long Life.

When ordering, specify large or small jam nuts

BENT LEFT SIDE OUTER TIE RODS

Steel Rod End

10"555-810-BL-S
15"555-815-BL-S

Moly Rod End

10"555-810-BL-M
15"555-815-BL-M

BENT RIGHT SIDE OUTER TIE RODS

Steel Rod End

10"555-810-BR-S
15"555-815-BR-S

Moly Rod End

10"555-810-BR-M
15"555-815-BR-M



COMPLETE GREASABLE STEEL MODIFIED TIE ROD ASSEMBLY WITH STOCK INNER

5/8" Rod End - 7/8" or 1" O.D. Round Steel Tubes

Available in Bent, Straight or Extreme Drop 15" Tube in either 7/8" or 1" Welded O.D. Steel Tubes. Comes with Short Inner Chevelle Tie Rod that features Out-Pace's Patented Greasable Rod End System on Both Rod End and Tie Rod. 5/8-18 Threads and Powdercoated Black for Long Life.

When ordering, specify large or small jam nuts

**7/8" STEEL TUBE
LEFT SIDE**

Straight Tube with Steel Rod End

15"551-815-SL-S

Straight Tube with Moly Rod End

15"551-815-SL-M

Bent Tube with Steel Rod End

15"551-815-BL-S

Bent Tube with Moly Rod End

15"551-815-BL-M

RIGHT SIDE

Straight Tube with Steel Rod End

15"551-815-SR-S

Straight Tube with Moly Rod End

15"551-815-SR-M

Bent Tube with Steel Rod End

15"551-815-BR-S

Bent Tube with Moly Rod End

15"551-815-BR-M

**WELDED 1" O.D STEEL TUBE
LEFT SIDE**

Straight Tube with Steel Rod End

15"551-515-SL-S

Straight Tube with Moly Rod End

15"551-515-SL-M

Bent Tube with Steel Rod End

15"551-515-BL-S

Bent Tube with Moly Rod End

15"551-515-BL-M

RIGHT SIDE

Straight Tube with Steel Rod End

15"551-515-SR-S

Straight Tube with Moly Rod End

15"551-515-SR-M

Bent Tube with Steel Rod End

15"551-515-BR-S

Bent Tube with Moly Rod End

15"551-515-BR-M

**EXTREME DROP BENT TUBE
LEFT SIDE**

with Steel Rod End

15"555-815-BL-SA

with Moly Rod End

15"555-815-BL-MA

RIGHT SIDE

with Steel Rod End

15"555-815-BR-SA

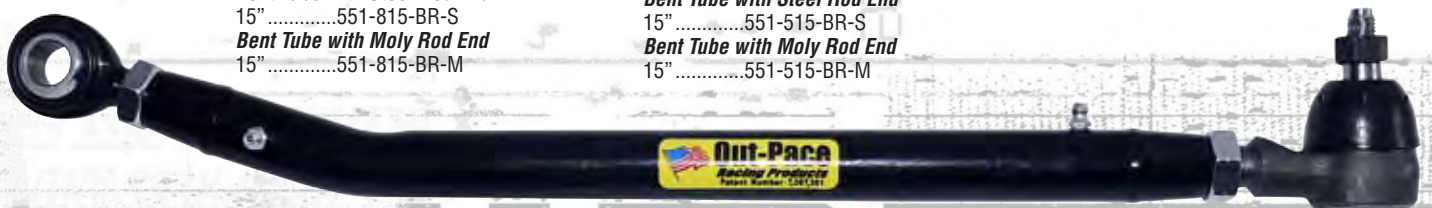
with Moly Rod End

15"555-815-BR-MA

DRILLED STOCK REPLACEMENT INNER TIE RODS

OP30238D - RH 4"

OP30239D - LH 4"



GREASABLE DOUBLE BEND TIE ROD ASSEMBLIES

5/8" Rod Ends - 7/8" O.D. Round Steel Tubes

Double Bend Tube Design for Additional Clearance and features Out-Pace's Patented Greasable Rod End System. 5/8-18 Threads, .156 Wall and Powdercoated Black for Long Life

STEEL ROD ENDS

15"	55-001-15S
16"	55-001-16S
17"	55-001-17S
18"	55-001-18S

MOLY ROD ENDS

15"	55-001-15M
16"	55-001-16M
17"	55-001-17M
18"	55-001-18M



NON-GREASEABLE BENT STEEL MODIFIED TIE ROD TUBES

5/8" Rod End - 7/8" or 1" Welded O.D. Round Steel Tubes

Bent Tube Design for Frame Clearance and Powdercoated Black for Long Life.

BENT LEFT SIDE OUTER TIE ROD

7/8" O.D. Tube

9"	55-809-BL-NG
10"	55-810-BL-NG
11"	55-811-BL-NG
12"	55-812-BL-NG
13"	55-813-BL-NG
14"	55-814-BL-NG
15"	55-815-BL-NG

BENT LEFT SIDE OUTER TIE ROD

1" Welded O.D. Tube

9"	55-509-BL-NG
10"	55-510-BL-NG
11"	55-511-BL-NG
12"	55-512-BL-NG
13"	55-513-BL-NG
14"	55-514-BL-NG
15"	55-515-BL-NG

BENT RIGHT SIDE OUTER TIE ROD

7/8" O.D. Tube

9"	55-809-BR-NG
10"	55-810-BR-NG
11"	55-811-BR-NG
12"	55-812-BR-NG
13"	55-813-BR-NG
14"	55-814-BR-NG
15"	55-815-BR-NG

BENT RIGHT SIDE OUTER TIE ROD

1" Welded O.D. Tube

9"	55-509-BR-NG
10"	55-510-BR-NG
11"	55-511-BR-NG
12"	55-512-BR-NG
13"	55-513-BR-NG
14"	55-514-BR-NG
15"	55-515-BR-NG



NON-GREASEABLE EXTREME DROP BENT STEEL MODIFIED TIE ROD TUBE

5/8" Rod End - 7/8" O.D. Round Steel Tubes

Extreme Drop Bent Tube Design for Maximum Frame Clearance. 5/8-18 Threads, .156" Wall and Powdercoated Black for Long Life.

When ordering, specify large or small jam nuts

BENT LEFT SIDE OUTER TIE RODS

10"	555-810-BL-NG
15"	555-815-BL-NG

BENT RIGHT SIDE OUTER TIE RODS

10"	555-810-BR-NG
15"	555-815-BR-NG



STANDARD ROD ENDS

*Available in Aluminum, Steel and Moly Versions and Include Jam Nuts.
Please specify Small or Large Jam Nuts.*

Thread Size	Hole	Material	RH or LH Thread	Part Number	Load Capacity	
1/4"	1/4"	Steel	RH	SRU1/4	LBS	
1/4"	1/4"	Steel	LH	SLU1/4		
5/16"	5/16"	Steel	RH	SRU5/16		
5/16"	5/16"	Steel	LH	SLU5/16		
3/8"	3/8"	Steel	RH	SRU3/8		
3/8"	3/8"	Steel	LH	SLU3/8		
1/2"	1/2"	Steel	RH	SRU1/2	8,386 LBS	
1/2"	1/2"	Steel	LH	SLU1/2	8,386 LBS	
5/8"	5/8"	Steel	RH	SRU5/8	9,813 LBS	
5/8"	5/8"	Steel	LH	SLU5/8	9,813 LBS	
5/8"	5/8"	Moly	RH	MRU5/8	18,000 LBS	
5/8"	5/8"	Moly	LH	MLU5/8	18,000 LBS	
5/8"	5/8"	Aluminum	RH	ARU5/8	8,516 LBS	
5/8"	5/8"	Aluminum	LH	ALU5/8	8,516 LBS	
5/8"	1/2"	Steel	RH	SRU5/8X1/2	9,813 LBS	
5/8"	1/2"	Steel	LH	SLU5/8X1/2	9,813 LBS	
5/8"	1/2"	Moly	RH	MRU5/8X1/2	18,000 LBS	
5/8"	1/2"	Moly	LH	MLU5/8X1/2	18,000 LBS	
5/8"	1/2"	Aluminum	RH	ARU5/8X1/2	8,516 LBS	
5/8"	1/2"	Aluminum	LH	ALU5/8X1/2	8,516 LBS	
3/4"	3/4"	Steel	RH	SRU3/4	14,290 LBS	
3/4"	3/4"	Steel	LH	SLU3/4	14,290 LBS	
3/4"	3/4"	Moly	RH	MRU3/4	25,000 LBS	
3/4"	3/4"	Moly	LH	MLU3/4	25,000 LBS	
3/4"	5/8"	Steel	RH	SRU3/4X5/8	14,290 LBS	
3/4"	5/8"	Steel	LH	SLU3/4X5/8	14,290 LBS	
3/4"	5/8"	Moly	RH	MRU3/4X5/8	25,000 LBS	
3/4"	5/8"	Moly	LH	MLU3/4X5/8	25,000 LBS	



CLEVIS AND SOLID ROD ENDS

Include Jam Nuts. Please specify Small or Large Jam Nuts.

CLEVIS

Standard Solid
20-001

Flat Style Solid
20-016

SOLID ROD ENDS

5/8-18 Threads
5/8" Hole20-002

5/8-16 Threads
3/4" Hole20-004

3/4-16 Threads
5/8" Hole20-003

3/4-16 Threads
3/4" Hole20-005



Standars Clevis
20-001



5/8-18 Thread
w/5/8" Hole
20-002



3/4-16 Thread
w/5/8" Hole
20-003

GREASEABLE ROD ENDS

*Available in Aluminum, Steel and Moly Versions and Include Jam Nuts.
Please specify Small or Large Jam Nuts.*

Thread Size	Hole	Material	RH or LH Thread	Part Number	Load Capacity
3/8"	3/8"	Steel	RH	SR3/8	
3/8"	3/8"	Steel	LH	SL3/8	
1/2"	1/2"	Steel	RH	SR1/2	8,386 LBS
1/2"	1/2"	Steel	LH	SL1/2	8,386 LBS
5/8"	5/8"	Steel	RH	SR5/8	9,813 LBS
5/8"	5/8"	Steel	LH	SL5/8	9,813 LBS
5/8"	5/8"	Moly	RH	MR5/8	18,000 LBS
5/8"	5/8"	Moly	LH	ML5/8	18,000 LBS
5/8"	5/8"	Aluminum	RH	AR5/8	8,516 LBS
5/8"	5/8"	Aluminum	LH	AL5/8	8,516 LBS
5/8"	1/2"	Steel	RH	SR5/8X1/2	9,813 LBS
5/8"	1/2"	Steel	LH	SL5/8X1/2	9,813 LBS
5/8"	1/2"	Moly	RH	MR5/8X1/2	18,000 LBS
5/8"	1/2"	Moly	LH	ML5/8X1/2	18,000 LBS
5/8"	1/2"	Aluminum	RH	AR5/8X1/2	8,516 LBS
5/8"	1/2"	Aluminum	LH	AL5/8X1/2	8,516 LBS
3/4"	3/4"	Steel	RH	SR3/4	14,290 LBS
3/4"	3/4"	Steel	LH	SL3/4	14,290 LBS
3/4"	3/4"	Moly	RH	MR3/4	25,000 LBS
3/4"	3/4"	Moly	LH	ML3/4	25,000 LBS
3/4"	5/8"	Steel	RH	SR3/4X5/8	14,290 LBS
3/4"	5/8"	Steel	LH	SL3/4X5/8	14,290 LBS
3/4"	5/8"	Moly	RH	MR3/4X5/8	25,000 LBS
3/4"	5/8"	Moly	LH	ML3/4X5/8	25,000 LBS



Replacement Rod Ends for use with Out-Pace's Patented Greaseable Rod End System

GREASEABLE STEERING SHAFT ROD ENDS

Available in both Steel and Aluminum Versions and include Jam Nuts.

Steel
20-012

Aluminum
20-011



SEALS IT ROD END SEALS

Helps keep dirt and debris out of your rod ends, Sold in Packs of Six.

1/2" Hole Size
WS5001-66 pack

5/8" Hole Size
WS6250-66 pack

3/4" Hole Size
WS7500-66 pack



MODULAR UPPER A-FRAMES

For Screw-In Balljoints featuring Forged Aluminum Crossshaft

Features Out-Pace's Patented Greasable Rod End System, 7075-T6 Forged Aluminum Crossshaft, Available with 7 3/4"-11" Centerline, Available with Round Aluminum, Hex Aluminum or Steel Tubes, Steel or Moly Rod Ends. Able to be Mounted Inside or Outside of Frame and made for Screw-In Balljoints.

ROUND ALUMINUM TUBES

w/Steel Rod Ends

7.75"	30-077-1-S
8"	30-080-1-S
8.25"	30-082-1-S
8.5"	30-085-1-S
9"	30-090-1-S
9.5"	30-095-1-S
10"	30-100-1-S
10.5"	30-105-1-S
11"	30-110-1-S

w/Moly Rod Ends

7.75"	30-077-1-M
8"	30-080-1-M
8.25"	30-082-1-M
8.5"	30-085-1-M
9"	30-090-1-M
9.5"	30-095-1-M
10"	30-100-1-M
10.5"	30-105-1-M
11"	30-110-1-M

HEX ALUMINUM TUBES

w/Steel Rod Ends

7.75"	30-077-2-S
8"	30-080-2-S
8.25"	30-082-2-S
8.5"	30-085-2-S
9"	30-090-2-S
9.5"	30-095-2-S
10"	30-100-2-S
10.5"	30-105-2-S
11"	30-110-2-S

w/Moly Rod Ends

7.75"	30-077-2-M
8"	30-080-2-M
8.25"	30-082-2-M
8.5"	30-085-2-M
9"	30-090-2-M
9.5"	30-095-2-M
10"	30-100-2-M
10.5"	30-105-2-M
11"	30-110-2-M

STEEL TUBES

w/Steel Rod Ends

7.75"	31-077-S
8"	31-080-S
8.25"	31-082-S
8.5"	31-085-S
9"	31-090-S
9.5"	31-095-S
10"	31-100-S
10.5"	31-105-S
11"	31-110-S

w/Moly Rod Ends

7.75"	31-077-M
8"	31-080-M
8.25"	31-082-M
8.5"	31-085-M
9"	31-090-M
9.5"	31-095-M
10"	31-100-M
10.5"	31-105-M
11"	31-110-M



ONE-PIECE STEEL UPPER A-FRAMES

For Screw-In Balljoints featuring Forged Aluminum Crossshaft

Features Out-Pace's Patented Greasable Rod End System, 7075-T6 Forged Aluminum Crossshaft, Available with 7 3/4"-11" Centerline. Able to be Mounted Inside or Outside of Frame and made for Screw-In Balljoints.

w/Steel Rod Ends

7.75"	34-077-S
8"	34-080-S
8.25"	34-082-S
8.5"	34-085-S
9"	34-090-S
9.5"	34-095-S
10"	34-100-S
10.5"	34-105-S
11"	34-110-S

w/Moly Rod Ends

7.75"	34-077-M
8"	34-080-M
8.25"	34-082-M
8.5"	34-085-M
9"	34-090-M
9.5"	34-095-M
10"	34-100-M
10.5"	34-105-M
11"	34-110-M



Looking for Balljoints?

Out-Pace carries a full line of Howe Regular and Rebuildable Balljoints, you can find them on page 34.

SLOTTED ONE-PIECE STEEL UPPER A-FRAMES

For Screw-In Balljoints featuring Forged 7075-T6 Aluminum Crossshaft

Features Out-Pace's Patented Greasable Rod End System and a 7075-T6 Forged Aluminum Crossshaft. Slotted Crossshaft allows for infinite adjustment and screw-in locking plates keep placement secure. Available with 7 3/4"-11" Centerline and also with Straight or 13° tilted Balljoint collar. Able to be Mounted Inside or Outside of Frame and made for Screw-In Balljoints.

STRAIGHT BALLJOINT COLLAR

w/Steel Rod Ends

7.75"	33-077-S
8"	33-080-S
8.25"	33-082-S
8.5"	33-085-S
9"	33-090-S
9.5"	33-095-S
10"	33-100-S
10.5"	33-105-S
11"	33-110-S
11.5"	33-115-S

w/Moly Rod Ends

7.75"	33-077-M
8"	33-080-M
8.25"	33-082-M
8.5"	33-085-M
9"	33-090-M
9.5"	33-095-M
10"	33-100-M
10.5"	33-105-M
11"	33-110-M
11.5"	33-115-M

13° TITLED BALLJOINT COLLAR

w/Steel Rod Ends

7.75"	33-077-T-S
8"	33-080-T-S
8.25"	33-082-T-S
8.5"	33-085-T-S
9"	33-090-T-S
9.5"	33-095-T-S
10"	33-100-T-S
10.5"	33-105-T-S
11"	33-110-T-S
11.5"	33-115-T-S

w/Moly Rod Ends

7.75"	33-077-T-M
8"	33-080-T-M
8.25"	33-082-T-M
8.5"	33-085-T-M
9"	33-090-T-M
9.5"	33-095-T-M
10"	33-100-T-M
10.5"	33-105-T-M
11"	33-110-T-M
11.5"	33-115-T-M



ONE-PIECE BUSHING ECONOMY UPPER A-FRAMES

For Screw-In or Bolt-In Balljoints with Steel or Aluminum Crossshaft

Out-Pace's ALL NEW One-Piece Bushing Steel Economy Upper A-Frames feature an Aluminum or Steel Crossshaft and are available with 7 3/4" to 11.5" centerlines with Straight or 13° Tilted Balljoint Collars. They are able to be mounted Inside or Outside of the Frame and are available for both Screw-In and Bolt-In Balljoints.

ALUMINUM CROSSSHAFT

Straight Screw-In Balljoint Collar

7.75"	32-077
8"	32-080
8.25"	32-082
8.5"	32-085
9"	32-090
9.5"	32-095
10"	32-100
10.5"	32-105
11"	32-110
11.5"	32-115

ALUMINUM CROSSSHAFT

13° Titled Screw-In Balljoint Collar

7.75"	32-077-T
8"	32-080-T
8.25"	32-082-T
8.5"	32-085-T
9"	32-090-T
9.5"	32-095-T
10"	32-100-T
10.5"	32-105-T
11"	32-110-T
11.5"	32-115-T

STEEL CROSSSHAFT

Straight Screw-In Balljoint Collar

7.75"	32-077-S
8"	32-080-S
8.25"	32-082-S
8.5"	32-085-S
9"	32-090-S
9.5"	32-095-S
10"	32-100-S
10.5"	32-105-S
11"	32-110-S
11.5"	32-115-S

STEEL CROSSSHAFT

13° Titled Screw-In Balljoint Collar

7.75"	32-077-TS
8"	32-080-TS
8.25"	32-082-TS
8.5"	32-085-TS
9"	32-090-TS
9.5"	32-095-TS
10"	32-100-TS
10.5"	32-105-TS
11"	32-110-TS
11.5"	32-115-TS

ALUMINUM CROSSSHAFT

Straight Bolt-In Balljoint Collar

7.75"	32-077-BI
8"	32-080-BI
8.25"	32-082-BI
8.5"	32-085-BI
9"	32-090-BI
9.5"	32-095-BI
10"	32-100-BI
10.5"	32-105-BI
11"	32-110-BI
11.5"	32-115-BI

ALUMINUM CROSSSHAFT

Straight Bolt-In Balljoint Collar Double-Shear Plate

7.75"	32-077-BI-S
8"	32-080-BI-S
8.25"	32-082-BI-S
8.5"	32-085-BI-S
9"	32-090-BI-S
9.5"	32-095-BI-S
10"	32-100-BI-S
10.5"	32-105-BI-S
11"	32-110-BI-S
11.5"	32-115-BI-S

STEEL CROSSSHAFT

Straight Bolt-In Balljoint Collar

7.75"	32-077-BI-S
8"	32-080-BI-S
8.25"	32-082-BI-S
8.5"	32-085-BI-S
9"	32-090-BI-S
9.5"	32-095-BI-S
10"	32-100-BI-S
10.5"	32-105-BI-S
11"	32-110-BI-S
11.5"	32-115-BI-S

STEEL CROSSSHAFT

Straight Bolt-In Balljoint Collar Double-Shear Plate

7.75"	32-077-BI-S
8"	32-080-BI-S
8.25"	32-082-BI-S
8.5"	32-085-BI-S
9"	32-090-BI-S
9.5"	32-095-BI-S
10"	32-100-BI-S
10.5"	32-105-BI-S
11"	32-110-BI-S
11.5"	32-115-BI-S

LOW DRAG BEARING ONE-PIECE STEEL UPPER A-FRAMES

For Screw-In or Bolt-In Balljoints with Steel Crossshaft

Out-Pace's ALL NEW One-Piece Low Drag Bearing Upper A-Frames offer nothing but free flowing movement to your front suspension. They feature a Steel Crossshaft and are available with 7 3/4" to 11.5" centerlines with Straight or 13° Tilted Balljoint Collars. They can be mounted Inside or Outside of the frame and are available for both Screw-In and Bolt-In Balljoints. Add Howe Precision Balljoints (pg 34) to have the best free movement on dirt.

STRAIGHT SCREW-IN BALLJOINT COLLAR

7.75".....	36-077
8".....	36-080
8.25".....	36-082
8.5".....	36-085
9".....	36-090
9.5".....	36-095
10".....	36-100
10.5".....	36-105
11".....	36-110
11.5".....	36-115

13° TITLED SCREW-IN BALLJOINT COLLAR

7.75".....	36-077-T
8".....	36-080-T
8.25".....	36-082-T
8.5".....	36-085-T
9".....	36-090-T
9.5".....	36-095-T
10".....	36-100-T
10.5".....	36-105-T
11".....	36-110-T
11.5".....	36-115-T

STRAIGHT BOLT-IN BALLJOINT COLLAR

7.75".....	36-077-BI
8".....	36-080-BI
8.25".....	36-082-BI
8.5".....	36-085-BI
9".....	36-090-BI
9.5".....	36-095-BI
10".....	36-100-BI
10.5".....	36-105-BI
11".....	36-110-BI
11.5".....	36-115-BI

STRAIGHT BOLT-IN BALLJOINT COLLAR WITH DOUBLE SHEAR PLATE

10".....	36-100-DBJ
10.5".....	36-105-DBJ
11".....	36-110-DBJ
11.5".....	36-115-DBJ



All Out-Pace Upper A-Frames are Available as Off-Set

Add -OS to existing Part Number to Clarify as Off-Set

LOW DRAG BEARING METRIC STEEL UPPER A-FRAMES

For Bolt-In and Screw-In Balljoints with Steel Crossshaft

Out-Pace's ALL NEW One-Piece Low Drag Bearing Metric Upper A-Frames offer nothing but free flowing movement to your front suspension. They feature a Steel Crossshaft and have 6 7/8" centerline and are available in 1 1/4" off-set or Centered in either Small or Large Metric Bolt-In balljoint plate or Screw-In balljoint. They can be mounted Inside or Outside of the frame. Ideal for open Street Stock and Stock Cars that can run non-stickered or Spec A-Frames like WISSOTA Street Stocks and USRA Stock Cars.

Add Howe Precision Balljoints (pg 34) to have the best free movement on dirt.

1 1/4" OFF-SET SMALL BOLT-IN PLATE

(Ball joint used is a K5208, Howe2230s)

8".....	39-080-M-OS
8.5".....	39-085-M-OS
9".....	39-090-M-OS

1 1/4" OFF-SET LARGE BOLT-IN PLATE

(Ball joint used is a K6024, Howe 22300)

8".....	39-080-BI-OS
8.5".....	39-085-BI-OS
9".....	39-090-BI-OS

CENTERED SMALL BOLT-IN PLATE

(Ball joint used is a K5208, Howe2230s)

8".....	39-080-M
8.5".....	39-085-M
9".....	39-090-M

CENTERED LARGE BOLT-IN PLATE

(Ball joint used is a K6024, Howe 22300)

8".....	39-080-BI
8.5".....	39-085-BI
9".....	39-090-BI

CENTERED SCREW-IN BALLJOINT

(Ball joint used is a K772, Howe22320)

8".....	39-080-S
8.5".....	39-085-S
9".....	39-090-S

1 1/4" OFF-SET SCREW-IN BALLJOINT

(Ball joint used is a K772, Howe22320)

8".....	39-080-S-OS
8.5".....	39-085-S-OS
9".....	39-090-S-OS



LOW DRAG BEARING SLOTTED ONE-PIECE UPPER A-FRAMES

For Screw-In or Bolt-In Balljoints with Slotted Crossshaft

Out-Pace's ALL NEW One-Piece Low Drag Bearing Slotted Upper A-Frames offer nothing but free flowing movement to your front suspension. They feature a Slotted Crossshaft that allows for ultimate adjustability and are available with 7 3/4" to 11.5" centerlines with a Straight or 13° Tilted Balljoint Collars. They are able to be mounted Inside or Outside of the Frame and are available for both Screw-In and Bolt-In Balljoints.

Add Howe Precision Balljoints (pg 34) to have the best free movement on dirt.

STRAIGHT SCREW-IN BALLJOINT COLLAR

7.75"	37-077
8"	37-080
8.25"	37-082
8.5"	37-085
9"	37-090
9.5"	37-095
10"	37-100
10.5"	37-105
11"	37-110
11.5"	37-115

13° TITLED SCREW-IN BALLJOINT COLLAR

7.75"	37-077-T
8"	37-080-T
8.25"	37-082-T
8.5"	37-085-T
9"	37-090-T
9.5"	37-095-T
10"	37-100-T
10.5"	37-105-T
11"	37-110-T
11.5"	37-115-T

STRAIGHT BOLT-IN BALLJOINT COLLAR

7.75"	37-077-BI
8"	37-080-BI
8.25"	37-082-BI
8.5"	37-085-BI
9"	37-090-BI
9.5"	37-095-BI
10"	37-100-BI
10.5"	37-105-BI
11"	37-110-BI
11.5"	37-115-BI

STRAIGHT BOLT-IN BALLJOINT COLLAR DOUBLE SHEAR PLATE

10"	37-100-DBJ
10.5"	37-105-DBJ
11"	37-110-DBJ
11.5"	37-115-DBJ



LOW DRAG BEARING SLUGGED ONE-PIECE UPPER A-FRAMES

For Screw-In or Bolt-In Balljoints with Single Sided Slugged Crossshaft

Out-Pace's ALL NEW One-Piece Low Drag Bearing Upper A-Frames offer nothing but free flowing movement to your front suspension. They feature a Single Sided Slugged Crossshaft that allows for adjustability using off-set slugs. They are available with 7 3/4" to 11.5" centerlines with Straight or 13° Tilted Balljoint Collars.

They are able to be mounted Inside or Outside of the frame and are available for both Screw-In and Bolt-In Balljoints. Add Howe Precision Balljoints (pg 34) to have the best free movement on dirt.

STRAIGHT SCREW-IN BALLJOINT COLLAR

7.75"	38-077
8"	38-080
8.25"	38-082
8.5"	38-085
9"	38-090
9.5"	38-095
10"	38-100
10.5"	38-105
11"	38-110
11.5"	38-115

13° TITLED SCREW-IN BALLJOINT COLLAR

7.75"	38-077-T
8"	38-080-T
8.25"	38-082-T
8.5"	38-085-T
9"	38-090-T
9.5"	38-095-T
10"	38-100-T
10.5"	38-105-T
11"	38-110-T
11.5"	38-115-T

STRAIGHT BOLT-IN BALLJOINT COLLAR

7.75"	38-077-BI
8"	38-080-BI
8.25"	38-082-BI
8.5"	38-085-BI
9"	38-090-BI
9.5"	38-095-BI
10"	38-100-BI
10.5"	38-105-BI
11"	38-110-BI
11.5"	38-115-BI

STRAIGHT BOLT-IN BALLJOINT COLLAR DOUBLE SHEAR PLATE

10"	38-100-DBJ
10.5"	38-105-DBJ
11"	38-110-DBJ
11.5"	38-115-DBJ



FORGED ALUMINUM CROSSSHAFT

Machined from 7075-TC Forged Aluminum and Anodized Black for Long Life. Replacement for Out-Pace's 30 and 34-Series Upper A-Frames (seen on page 27).

34-001



SLOTTED FORGED ALUMINUM STRAIGHT CROSSSHAFT WITH MARKER PLATE

Machined from 7075-TC Forged Aluminum and Anodized Black for Long Life. Replacement for Out-Pace 33-Series One-Piece Slotted Steel Upper A-Frames (seen on page 28).

34-002



SLUGS FOR OUT-PACE SLUGGED A-FRAMES

Aluminum Slug options for Upper A-Frames. Available from 0 to 1/2" off-set including a fully slotted option. Sold individually (Requires only ONE slug per A-Frame).

0".....388-26338	5/16".....388-26343
1/16".....388-26339	3/8".....388-26344
1/8".....388-26340	7/16".....388-26345
3/16".....388-26341	1/2".....388-26346
1/4".....388-26342	Slotted.....388-26357



PRECISION MACHINED HEAVY DUTY SCREW-IN BALLJOINT HOLDERS

Out-Pace's Heavy Duty Precision Machined for Screw-In Balljoints give extra strength and dependability where you need it. Available in Straight or 13° Angled with either 5/8" or 3/4 Stud. Standard K772 balljoint or Howe 22320 fit the holder.



Straight 5/8" Stem
21-001
Straight 3/4" Stem
21-004



13° Angled 5/8" Stem
21-003
13° Angled 5/8" Stem
21-003-GRT
13° Angled 3/4" Stem
21-005

GREASABLE STEEL UPPER A-FRAME TUBES

5/8" Rod End - 7/8" O.D. Round Steel Tubes

Replacement tubes for Multi-Piece Upper A-Frames or Out-Pace Modular A-Frames. Feature Out-Pace's Patented Greasable Rod End System with either Steel or Moly Rod End. 5/8-18 Threads, .156" Wall and Powdercoated Black for Long Life.
When ordering, specify large or small jam nuts



LEFT HAND A-FRAME TUBES

Steel Rod End

4.5".....	8-045-S2-1
5".....	8-050-S2-1
5.5".....	8-055-S2-1
6".....	8-060-S2-1
6.5".....	8-065-S2-1
7".....	8-070-S2-1
7.5".....	8-075-S2-1
8".....	8-080-S2-1
8.5".....	8-085-S2-1
9".....	8-090-S2-1
10".....	8-010-S2-1
11".....	8-010-S2-1

LEFT HAND A-FRAME TUBES

Moly Rod End

4.5".....	8-045-M2-1
5".....	8-050-M2-1
5.5".....	8-055-M2-1
6".....	8-060-M2-1
6.5".....	8-065-M2-1
7".....	8-070-M2-1
7.5".....	8-075-M2-1
8".....	8-080-M2-1
8.5".....	8-085-M2-1
9".....	8-090-M2-1
10".....	8-010-M2-1
11".....	8-010-M2-1

Need A Replacement Clevis?

Out-Pace has you covered, look on page 23.

Looking for Ball Joints?

Out-Pace carries a full line of Howe Regular and Rebuildable Balljoints, you can find them on page 34.

MODIFIED LOWER CONTROL ARMS

Available for Press-In or Screw-In Balljoints. UMP and USMTS Legal.

Features Out-Pace's Patented Greasable Rod End System and Powdercoated Black for Long Life.

LEFT-FRONT SCREW-IN BALLJOINT

Steel Rod Ends

64-72 Chevelle.....	43-001-LS-SI
68-74 Nova.....	43-002-LS-SI
GM Metric.....	43-003-LS-SI
GM Full Size.....	43-004-LS-SI

Moly Rod Ends

64-72 Chevelle.....	43-001-LM-SI
68-74 Nova.....	43-002-LM-SI
GM Metric.....	43-003-LM-SI
GM Full Size.....	43-004-LM-SI

LEFT-FRONT PRESS-IN BALLJOINT

Steel Rod Ends

64-72 Chevelle.....	43-001-LS-PI
68-74 Nova.....	43-002-LS-PI
GM Metric.....	43-003-LS-PI
GM Full Size.....	43-004-LS-PI

Moly Rod Ends

64-72 Chevelle.....	43-001-LM-PI
68-74 Nova.....	43-002-LM-PI
GM Metric.....	43-003-LM-PI
GM Full Size.....	43-004-LM-PI

RIGHT-FRONT SCREW-IN BALLJOINT

Steel Rod Ends

64-72 Chevelle.....	43-001-RS-SI
68-74 Nova.....	43-002-RS-SI
GM Metric.....	43-003-RS-SI
GM Full Size.....	43-004-RS-SI

Moly Rod Ends

64-72 Chevelle.....	43-001-RM-SI
68-74 Nova.....	43-002-RM-SI
GM Metric.....	43-003-RM-SI
GM Full Size.....	43-004-RM-SI

RIGHT-FRONT PRESS-IN BALLJOINT

Steel Rod Ends

64-72 Chevelle.....	43-001-RS-PI
68-74 Nova.....	43-002-RS-PI
GM Metric.....	43-003-RS-PI
GM Full Size.....	43-004-RS-PI

Moly Rod Ends

64-72 Chevelle.....	43-001-RM-PI
68-74 Nova.....	43-002-RM-PI
GM Metric.....	43-003-RM-PI
GM Full Size.....	43-004-RM-PI



TWO-PIECE STANDARD LOWER CONTROL ARMS

Features Out-Pace's Patented Greasable Rod End System and Powdercoated Black for Long Life.

Custom Lengths are also available.

LEFT-FRONT LOWERS

Steel Rod Ends

GRT.....	40-001-LS
Rocket (Black).....	40-002-1-LS
Rocket (Blue).....	40-002-2-LS
Rayburn.....	40-003-LS
Warrior.....	40-004-LS
MasterSbilt.....	40-005-LS
Swartz.....	40-006-LS

Moly Rod Ends

GRT.....	40-001-LM
Rocket (Black).....	40-002-1-LM
Rocket (Blue).....	40-002-2-LM
Rayburn.....	40-003-LM
Warrior.....	40-004-LM
MasterSbilt.....	40-005-LM
Swartz.....	40-006-LM

RIGHT-FRONT LOWERS

Steel Rod Ends

GRT.....	40-001-RS
Rocket (Black).....	40-002-1-RS
Rocket (Blue).....	40-002-2-RS
Rayburn.....	40-003-RS
Warrior.....	40-004-RS
MasterSbilt.....	40-005-RS
Swartz.....	40-006-RS

Moly Rod Ends

GRT.....	40-001-RM
Rocket (Black).....	40-002-1-RM
Rocket (Blue).....	40-002-2-RM
Rayburn.....	40-003-RM
Warrior.....	40-004-RM
MasterSbilt.....	40-005-RM
Swartz.....	40-006-RM



TWO-PIECE RIGHT FRONT DROPPED SHOCK MOUNT LOWER CONTROL ARM

Billet Steel Dropped Shock Mount allows for Lower Shock Mount Location. Features Out-Pace's Patented Greasable Rod End System and Powdercoated Black for Long Life.

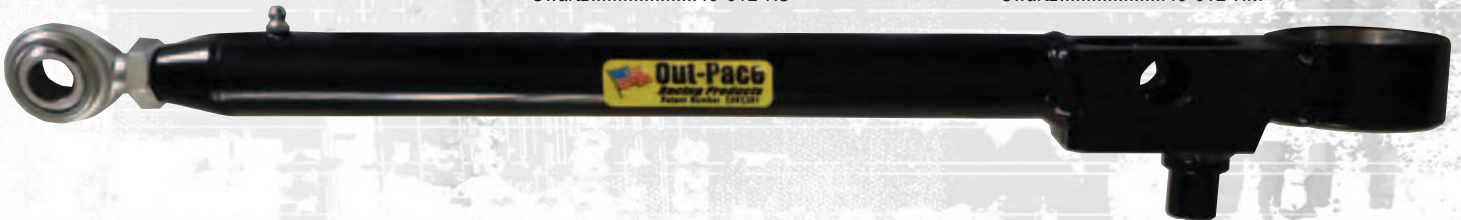
Custom Lengths are also available.

Steel Rod Ends

GRT.....	40-007-RS
Rocket (Black).....	40-008-1-RS
Rocket (Blue).....	40-008-2-RS
Rayburn.....	40-009-RS
Warrior.....	40-010-RS
MasterSbilt.....	40-011-RS
Swartz.....	40-012-RS

Moly Rod Ends

GRT.....	40-007-RM
Rocket (Black).....	40-008-1-RM
Rocket (Blue).....	40-008-2-RM
Rayburn.....	40-009-RM
Warrior.....	40-010-RM
MasterSbilt.....	40-011-RM
Swartz.....	40-012-RM



Looking for Steel or Aluminum Strut Tubes?

Out-Pace has you covered, look on page 34.

Looking for Ball Joints?

Out-Pace carries a full line of Howe Regular and Rebuildable Balljoints, you can find them on page 34.

ONE-PIECE STANDARD LEFT FRONT LOWER CONTROL ARM

Features Out-Pace's Patented Greasable Rod End System and Anodized Black for Long Life.
Custom Lengths are also available.



Steel Rod Ends

GRT	41-001-LS
Rocket (Black).....	41-002-1-LS
Rocket (Blue)	41-002-2-LS
Rayburn	41-003-LS
Warrior.....	41-004-LS
MasterSbilt.....	41-005-LS
Swartz.....	41-006-LS

Moly Rod Ends

GRT	41-001-LM
Rocket (Black).....	41-002-1-LM
Rocket (Blue)	41-002-2-LM
Rayburn	41-003-LM
Warrior.....	41-004-LM
MasterSbilt.....	41-005-LM
Swartz.....	41-006-LM

ONE-PIECE RIGHT FRONT DROPPED SHOCK MOUNT WITH ADJUSTER LOWER CONTROL ARM

Greaseable Adjuster gives another 1 3/8" of Adjustability. The Billet Steel Dropped Shock Mount allows for Lower Shock location. Features Out-Pace's Patented Greasable Rod End System and Anodized Black for Long Life.
Custom Lengths are also available.

Steel Rod Ends

GRT	42-007-RS
Rocket (Black).....	42-008-1-RS
Rocket (Blue)	42-008-2-RS
Rayburn	42-009-RS
Warrior.....	42-010-RS
MasterSbilt.....	42-011-RS

Moly Rod Ends

GRT	42-007-RM
Rocket (Black).....	42-008-1-RM
Rocket (Blue)	42-008-2-RM
Rayburn	42-009-RM
Warrior.....	42-010-RM
MasterSbilt.....	42-011-RM



STEEL STRUT TUBES

1 1/4" D.O.M. Round Steel Tubes with 5/8" or 3/4" Rod Ends

Available with either 5/8" or 3/4" Rod Ends and includes ONE Steel or Moly Rod End and ONE Steel Solid Rod End and feature Out-Pace's Patented Greasable Rod End System. Powdercoated Black for Long Life.



5/8" Steel Rod End

18"	52-180-S2
19"	52-190-S2
20"	52-200-S2
21"	52-210-S2
22"	52-220-S2
23"	52-230-S2
24"	52-240-S2

5/8" Moly Rod End

18"	52-180-M2
19"	52-190-M2
20"	52-200-M2
21"	52-210-M2
22"	52-220-M2
23"	52-230-M2
24"	52-240-M2

3/4" Steel Rod End

18"	52-180-S4
19"	52-190-S4
20"	52-200-S4
21"	52-210-S4
22"	52-220-S4
23"	52-230-S4
24"	52-240-S4

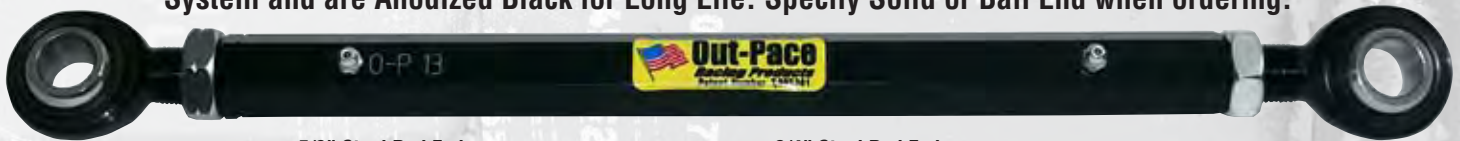
3/4" Moly Rod End

18"	52-180-M4
19"	52-190-M4
20"	52-200-M4
21"	52-210-M4
22"	52-220-M4
23"	52-230-M4
24"	52-240-M4

HEX ALUMINUM STRUT TUBES

1" Aluminum Hex Strut Tubes in 5/8" with 3/4" Rod Ends

Available with either 5/8" or 3/4" Rod Ends in either Steel and Moly in either Solid or Ball End option. They are available in lengths from 18"-24", they features Out-Pace's Patented Greasable Rod End System and are Anodized Black for Long Life. Specify Solid or Ball End when ordering.



5/8" Steel Rod End

18"	44-180-S2
19"	44-190-S2
20"	44-200-S2
21"	44-210-S2
22"	44-220-S2
23"	44-230-S2
24"	44-240-S2

5/8" Moly Rod End

18"	44-180-M2
19"	44-190-M2
20"	44-200-M2
21"	44-210-M2
22"	44-220-M2
23"	44-230-M2
24"	44-240-M2

3/4" Steel Rod End

18"	44-180-S4
19"	44-190-S4
20"	44-200-S4
21"	44-210-S4
22"	44-220-S4
23"	44-230-S4
24"	44-240-S4

3/4" Moly Rod End

18"	44-180-M4
19"	44-190-M4
20"	44-200-M4
21"	44-210-M4
22"	44-220-M4
23"	44-230-M4
24"	44-240-M4

Need an Upper A-Frame?

Out-Pace has you covered with a variety of options. They begin on page 25.

Looking for Ball Joints?

Out-Pace carries a full line of Howe Regular and Rebuildable Balljoints, you can find them on page 34.

HOWE PRECISION REBUILDABLE BALL JOINTS

Easily rebuildable and adjustable. Over 20lbs. less resistance than standard ball joints.

BALL JOINT ASSEMBLIES

Lower Screw-In

Rocket/Swartz/MasterSbilt.....22412
GRT/Rayburn/Warrior.....22410

Lower Press-In

GM/GRT/Rayburn/Warrior.....22413
64-72 Chevelle.....22421S
77-89 GM Metric & Camaro...22420S

Upper Ball Joints

Screw-In.....22320
Fits Most Dirt Late Models and Modifieds using Small Chrysler style
Bolt-In.....22300
Fits Most Dirt Late Models and Modifieds w/Large Bolt-In Ball Joint
Bolt-In.....22302S
Fits GM Metric, Camaro and Impala



REPLACEMENT STUDS

Fits 22412 Ball Joint

Standard Stud.....22440
+ .1 Stud.....22441
+ .2 Stud.....22442
+ .3 Stud.....22443
+ .4 Stud.....22444
+ .5 Stud.....22445

Fits 22410 Ball Joint

Standard Stud.....22430
+ .1 Stud.....22431
+ .2 Stud.....22432
+ .3 Stud.....22433
+ .4 Stud.....22434
+ .5 Stud.....22435

REPLACEMENT STUDS

Fits 22413 Ball Joint

Standard Stud.....22430
+ .1 Stud.....22431
+ .2 Stud.....22432
+ .3 Stud.....22433
+ .4 Stud.....22434
+ .5 Stud.....22435

Fits 22320 Ball Joint

Standard Stud.....22330
+ .1 Stud.....22331
+ .2 Stud.....22332
+ .3 Stud.....22333
+ .4 Stud.....22334
+ .5 Stud.....22335

REPLACEMENT STUDS

Fits 22302S Ball Joint

Standard Stud.....22360
+ .5 Stud.....22365

REPLACEMENT STUDS

Fits 22300 Ball Joint

Standard Stud.....22330
+ .1 Stud.....22331
+ .2 Stud.....22332
+ .3 Stud.....22333
+ .4 Stud.....22334
+ .5 Stud.....22335

REPLACEMENT STUDS

Fits 22421S Ball Joint

Standard Stud.....22480
+ .5 Stud.....22485

REPLACEMENT STUDS

Fits 22420S Ball Joint

Standard Stud.....22470
+ .5 Stud.....22475

Need an Upper A-Frame?

Out-Pace has you covered with a variety of options and styles. They begin on page 25.

OEM STEERING COMPONENTS

CENTER LINKS

'68-'72 Chevelle
OPDS749

IDLER ARMS

'68-'72 Chevelle
OPK5143

INNER TIE RODS

'68-'72 Chevelle RH/LH
OPES681

OUTTER TIE RODS

'68-'72 Chevelle RH/LH
OPES333

INNER TIE RODS

Non-Stock Chevelle
OP30201 - RH 7 1/4"
OP30238 - RH 4"
OP30239 - LH 4"

SPINDLES

Pinto/Mustang II
Right.....OP34313R
Left.....OP34313L
Nut Locking Kit for Spindles
OP05194

LOWER CONTROL ARMS

'68-'72 Chevelle
Right.....OP101R
Left.....OP101L

Looking for Weight Clamps or Shock Canister Mounts?

Out-Pace carries a wide variety of sizes and types. You can find them on page 43.

SLOTTED CLIMBER REAR END PINION MOUNTS

Available for both Quick Change and Ford 9" Rear Ends. All three feature slotted arced climber with the climber on the BACKSIDE to keep clear of debris. Curved design allows to raise and lower J-Bar without having to adjust length. Steel versions are made of 4140 Tool Steel and Aluminum version made of Aerospace Grade Aluminum includes seal. Climbing nut assembly is included on ALL Pinion Mounts and Seal on Aluminum QC Mount.



61-011-B Aluminum Backside Climber for Quick Change



61-009-FXT Steel Extended Slot Backside Climber for Ford 9"



61-008-B Steel Backside Climber for Quick Change



61-012 Steel Economy Pinion Plate for Quick Change

61-013 Replacement Spacer Cone

61-014 Replacement Climber Nut

STEEL AND ALUMINUM J-BAR FRAME MOUNTS

Available in both Aluminum and Steel versions for both 1 1/2" and 2" tubes. Aluminum versions are made from Aerospace Grade Aluminum and are anodized black and Steel versions are made from 4140 Tool Steel and are Powdercoated black for long life.

Include all necessary hardware including Climbing Nut Assembly.



60-009-S Steel 3-Hole 1 1/2" Frame Mount

3 HOLE FRAME MOUNTS

1 1/2" Frame Mount

Aluminum Version60-009-A
Steel Version60-009-S

2" Frame Mount

Aluminum Version60-005-A
Steel Version60-005-S

SLOTTED CLIMBING FRAME MOUNTS

Rocket Style (outside bar mount)

Aluminum Version60-013
Steel Version (1 1/2" Frame) ..60-016
Steel Version (2" Frame)60-017

Masters Style (inside bar mount)

Aluminum Version60-012
Steel Version (1 1/2" Frame) ..60-014
Steel Version (2" Frame)60-015

60-013 Aluminum Slotted Rocket Climbing Frame Mount



60-012 Aluminum Slotted Masters Climbing Frame Mount

GREASEABLE STEEL J-BAR

Available in three lengths, with either short or long adjuster for additional 1 3/8" of fine tuning. Made with 3/4" Moly Rod Ends and 3/4" Monoballs and features Out-Pace's Patented Greasable Rod End System and is Powdercoated Black for Long Life. When ordering, please specify length.

17 7/8" - 19 1/4"53-009
Short Bar w/Short Adjuster

19 3/8" - 20 3/4"53-010
Short Bar w/Long Adjuster

19 1/4" - 20 5/8"53-011
Medium Bar w/Short Adjuster

20 7/8" - 22 1/4"53-012
Medium Bar w/Long Adjuster

21" - 22 3/8"53-013
Long Bar w/Short Adjuster

22 3/8" - 23 3/4"53-014
Long Bar w/Long Adjuster



GREASEABLE ALUMINUM ADJUSTABLE J-BARS

Made from 7075 Aerospace Grade Aluminum to give you a lightweight piece, but with strength and durability. Available in three lengths with either short or long adjuster for additional 1 3/8" of fine tuning. Made with 3/4" Moly Rod Ends and 3/4" Monoballs and features Out-Pace's Patented Greasable Rod End System and is Anodized Black for Long Life.

17 7/8" - 19 1/4"53-003
Short Bar w/Short Adjuster

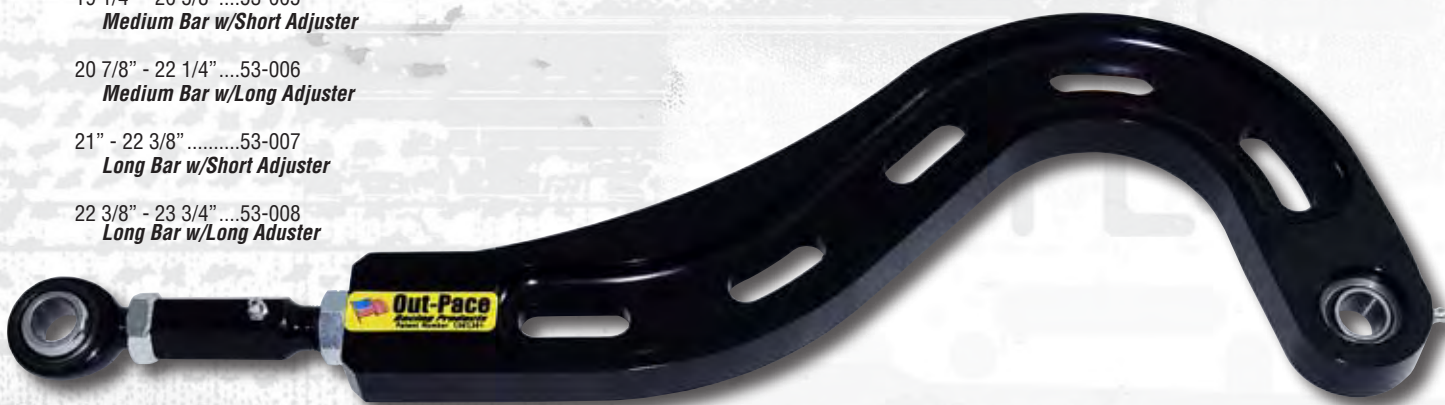
19 3/8" - 20 3/4"53-004
Short Bar w/Long Adjuster

19 1/4" - 20 5/8"53-005
Medium Bar w/Short Adjuster

20 7/8" - 22 1/4"53-006
Medium Bar w/Long Adjuster

21" - 22 3/8"53-007
Long Bar w/Short Adjuster

22 3/8" - 23 3/4"53-008
Long Bar w/Long Adjuster



Looking for a Mid Plate?

Out-Pace manufactures both standard and off-set versions. You can find them on page 44.

GREASEABLE STEEL SOLID PANHARD BAR KIT

Heavy Wall Steel Tube with 3/4" Greaseable Moly Rod Ends that features Out-Pace's Patented Greasable Rod End System. Made from 1 1/4" .095" Heavy Wall Steel Tube and Powder Coated Black for Long Life.

Custom Lengths Also Available.



7".....7-070-M4
8".....7-080-M4
9".....7-090-M4
10".....7-100-M4
11".....7-110-M4
12".....7-120-M4
13".....7-130-M4
14".....7-140-M4
15".....7-150-M4

16".....7-160-M4
17".....7-170-M4
18".....7-180-M4
19".....7-190-M4
20".....7-200-M4
21".....7-210-M4
22".....7-220-M4
23".....7-230-M4

24".....7-240-M4
25".....7-250-M4
26".....7-260-M4
27".....7-270-M4
28".....7-280-M4
29".....7-290-M4
30".....7-300-M4
31".....7-310-M4
32".....7-320-M4

STANDARD AND GREASEABLE ADJUSTERS

Available in Standard and Greaseable Versions, Ideal for Upper A-Frames, J-Bars and Lift Bars.

STANDARD NON-GREASEABLE

5/8" Thread
20-019

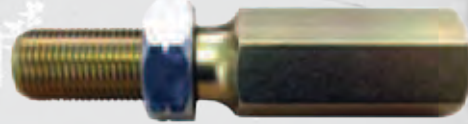
3/4" Thread
20-013

GREASEABLE

5/8" Thread
20-017

3/4" Thread
20-014

3/4" Thread
Extra Long..20-015



Standard 3/4" Thread Adjuster



Greaseable 3/4" Thread
Extra-Long Adjuster

ALUMINUM LIFT BAR

Aluminum Upper Arm design. Features Out-Pace's Greaseable Moly Rod Ends.

Made from Aerospace-Grade Aluminum for lighter weight and the ultimate in strength and durability.

Lower bar is bent for more pinion clearance. Also comes with Rear End Brackets. Anodized Black for Long Life.

Must order Hardware Kit separately.

ROCKET

54-003-RO

MASTERSBILT

54-003-MA

GRT

54-003-GA

WARRIOR

54-003-WA

PIERCE

54-003-PE

HARDWARE KIT

54-004



LIGHTWEIGHT ECONOMY SIXTH COIL MOUNT

Accepts 4" Spring. Spring NOT included. Powdercoated Black Black for Long Life.

54-100



GREASEABLE STEEL PULL BAR TUBE KIT

Heavy Wall Steel Tube with ONE 3/4" Greaseable Moly Rod End that feature Out-Pace's Patented Greasable Rod End System. Made from 1 1/4" .095" Heavy Wall Steel Tube and Powder Coated Black for Long Life.

Custom Lengths Also Available.



4".....58-004-M	14".....58-014-M	23".....58-023-M
5".....58-005-M	15".....58-015-M	24".....58-024-M
6".....58-006-M	16".....58-016-M	25".....58-025-M
7".....58-007-M	17".....58-017-M	26".....58-026-M
8".....58-008-M	18".....58-018-M	27".....58-027-M
9".....58-009-M	19".....58-019-M	28".....58-028-M
10".....58-010-M	20".....58-020-M	29".....58-029-M
11".....58-011-M	21".....58-021-M	30".....58-030-M
12".....58-012-M	22".....58-022-M	31".....58-031-M
13".....58-013-M		32".....58-032-M

GREASEABLE STEEL SOLID PULL BAR TUBE KIT

Heavy Wall Steel Tube with 3/4" Greaseable Moly Rod Ends that features Out-Pace's Patented Greasable Rod End System. Made from 1 1/4" .095" Heavy Wall Steel Tube and Powder Coated Black for Long Life.

Custom Lengths Also Available.

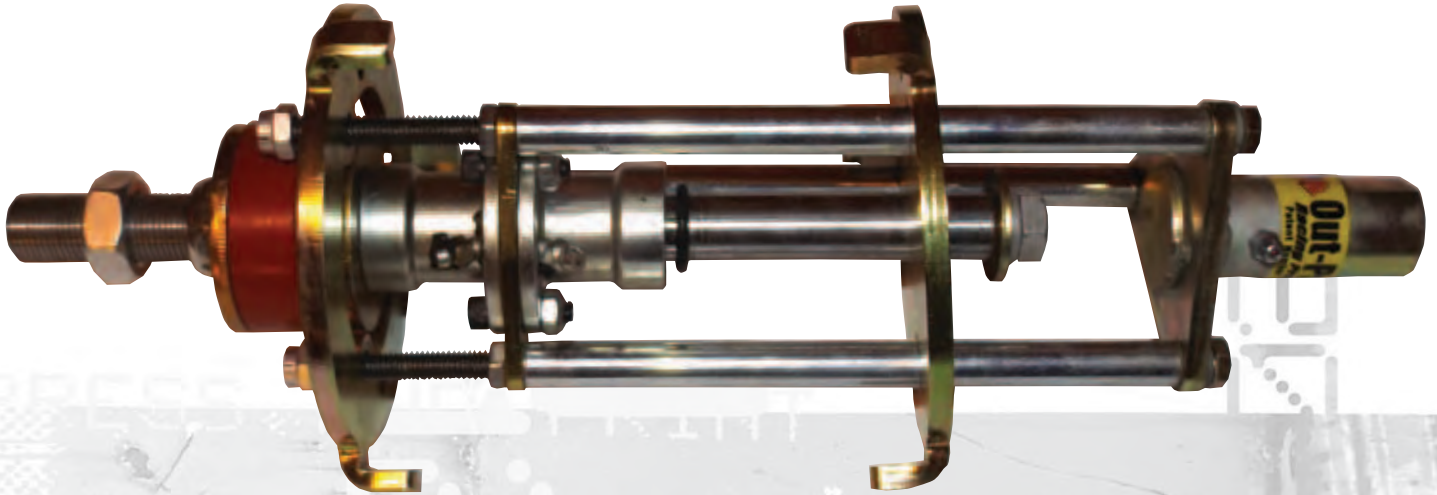


7".....7-070-M4	16".....7-160-M4	24".....7-240-M4
8".....7-080-M4	17".....7-170-M4	25".....7-250-M4
9".....7-090-M4	18".....7-180-M4	26".....7-260-M4
10".....7-010-M4	19".....7-190-M4	27".....7-270-M4
11".....7-110-M4	20".....7-200-M4	28".....7-280-M4
12".....7-120-M4	21".....7-210-M4	29".....7-290-M4
13".....7-130-M4	22".....7-220-M4	30".....7-300-M4
14".....7-140-M4	23".....7-230-M4	31".....7-310-M4
15".....7-150-M4		32".....7-320-M4

ONE-WAY TORQUE LINK

Sealed bearing housing with chrome plated 3/4" diameter solid shaft to assure bind-free performance and maximum durability. Uses 6 5/8" x 5" O.D. Spring. Small polyurethane bushing aids corner entry handling. Has built-in travel indicator and features 3/4" Out-Pace's patented greaseable moly rod end system. *Spring NOT included. Torque Link Springs are available from AFCO and Eibach, inquire for availability.*

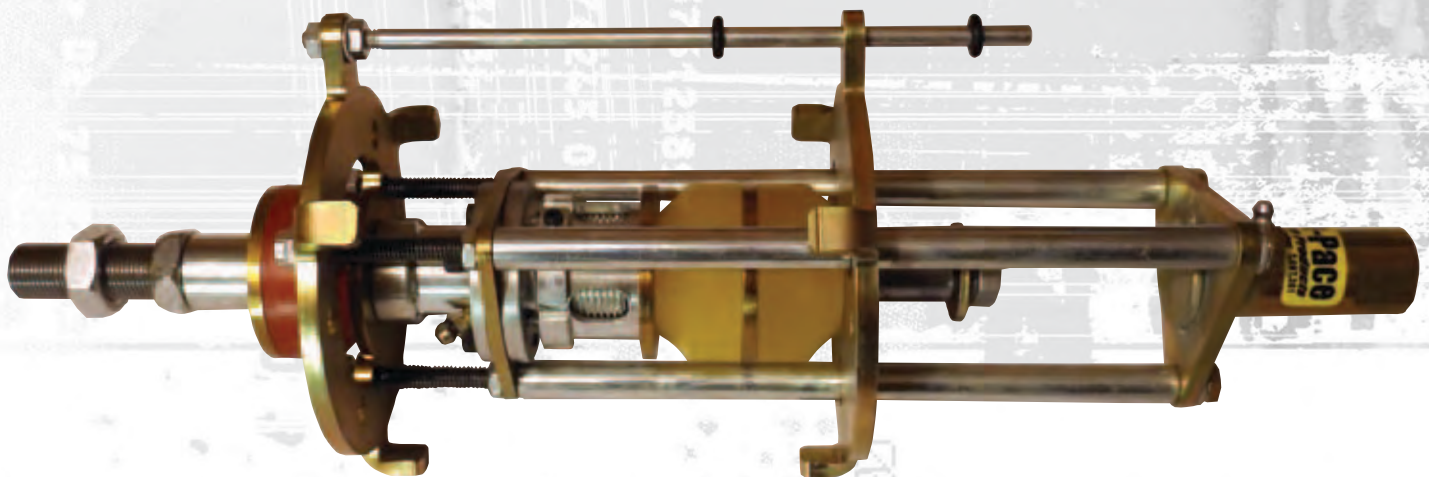
RF4500



EXTRA-LARGE SECONDARY SPRING TORQUE LINK

Sealed bearing housing with chrome plated 3/4" diameter solid shaft to assure bind-free performance and maximum durability. Uses 6 5/8" x 5" O.D. Spring. Polyurethane brake bushing aids in corner entry handling. Comes standard with two YELLOW torque bushings and one RED brake bushing. Has built-in travel indicator and features Out-Pace's patented greaseable moly rod end. *Spring NOT included. Torque Link Springs are available from AFCO and Eibach, inquire for availability.*

RF4590XL



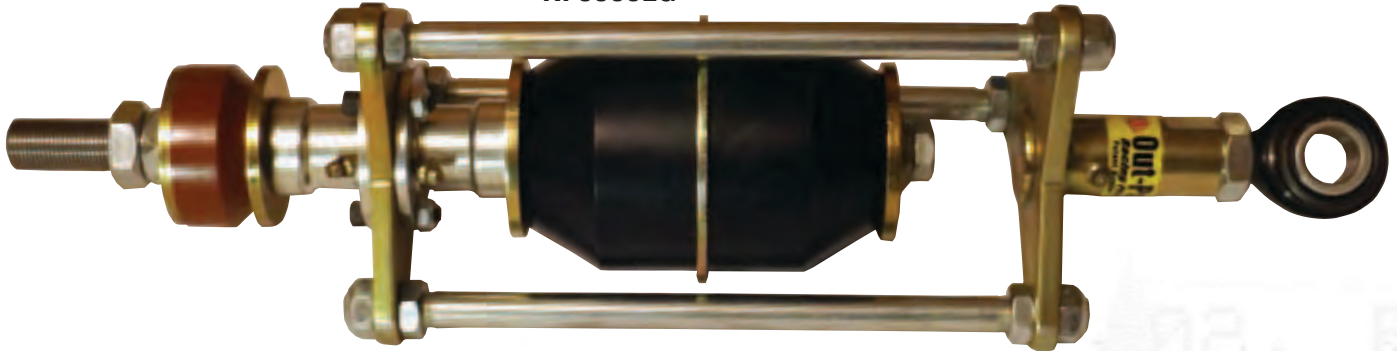
Looking for Replacement Bushings?

Out-Pace has you covered, look on page 33.

LARGE DIAMETER POLY SPRING TORQUE LINK

Sealed bearing housing with chrome plated 3/4" diameter solid shaft to assure bind-free performance and maximum durability. Large diameter Polyurethane bushings provide smooth spring rate progression. Small Polyurethane bushings aid in corner entry handling. Comes standard with two BLUE torque bushings and one RED brake bushing. Two-piece poly spring design allows you to mix various hardness combinations to provide a large variety in spring rate selection and tuneability. Has built-in travel indicator and features Out-Pace's greaseable moly rod end.

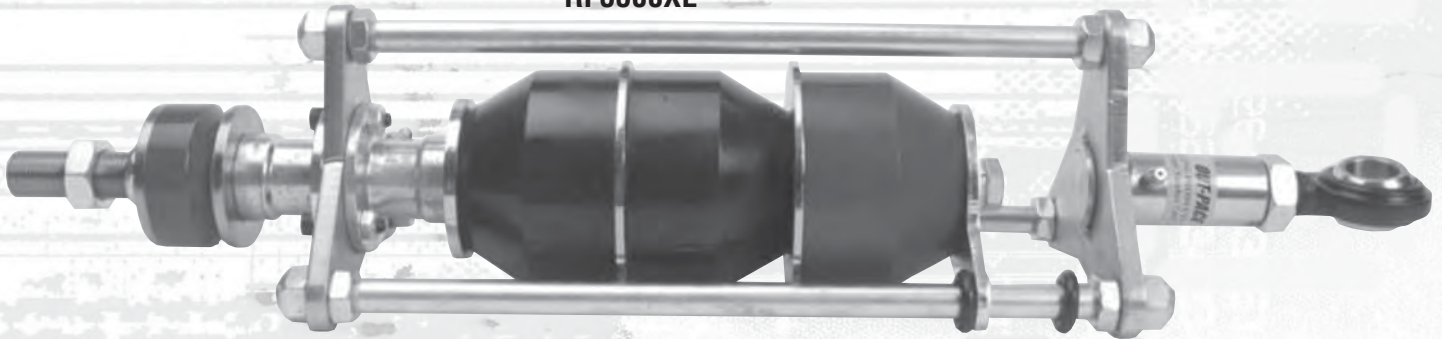
RF5500LG



EXTRA-LARGE DIAMETER POLY SPRING TORQUE LINK

Sealed bearing housing with chrome plated 3/4" diameter solid shaft to assure bind-free performance and maximum durability. Large diameter Polyurethane bushings provide smooth spring rate progression. Small Polyurethane bushings aid in corner entry handling. Comes standard with two BLUE and one RED torque bushings and one RED brake bushing. Three-piece poly spring design allows you to mix various hardness combinations to provide the ultimate in spring rate selection and tuneability. Has built-in travel indicator and features Out-Pace's greaseable moly rod end.

RF5500XL



PULL BAR MOUNTING BRACKETS

Available for Quick Change (Bolt-On) and Ford 9" (Weld-On) Rear Ends.
Sold in Pairs and Powder Coated Black for Long Life.



RF4650 Bolt-On Brackets
for Quick Change



RF4655 Weld-On
Brackets for Ford 9"

2.250" O.D. POLYURETHANE SPRING BUSHINGS

Our Polyurethane bushings use a specially formulated materials and are molded in our custom-designed proprietary molds. Because our bushings are designed for racing, they provide excellent performance when dynamically loaded. They also offer good abrasion and solvent resistance.

They are sold separately and are available in a variety of durometers.

Part #	Color	Hardness	O.D."	I.D."	Height
4563G	Green	50 Soft	2.250"	.750"	1.0625"
4563O	Orange	55	2.250"	.750"	1.0625"
4563P	Purple	60	2.250"	.750"	1.0625"
*4563BK	Black	65	2.250"	.750"	1.0625"
*4563N	Natural	73	2.250"	.750"	1.0625"
4563Y	Yellow	75	2.250"	.750"	1.0625"
4563B	Blue	80 Medium	2.250"	.750"	1.0625"
4563R	Red	87 Hard	2.250"	.750"	1.0625"



*4563N and 4563BK use proprietary material that are more resilient and durable

POLYURETHANE BUSHING SPRING RATE CHART

Green #4563G - Duro 73

Orange #4563O - Duro 55

Purple #4563P - Duro 60

Black #4563BK - Duro 65

Travel Inches	1 Green	2 Green	3 Green	1 Orange	2 Orange	3 Orange	1 Purple	2 Purple	3 Purple	1 Black	2 Black	3 Black
.100"	41	34	27	65	39	22	155	79	54	216	110	71
.200"	150	90	62	190	99	61	331	164	110	393	200	134
.300"	270	145	100	345	165	104	527	255	170	639	282	188
.400"	424	204	138	535	238	147	785	352	230	936	367	243
.500"		263	176		315	193	1093	449	295	1294	452	299
.600"		333	219		398	242		563	362		554	356
.700"			260			293			432			420
.800"			318			380			509			488
.900"			363			437			590			566
1.000"			416			480			682			653

POLYURETHANE BUSHING SPRING RATE CHART

Natural #4563N - Duro 73

Yellow #4563Y - Duro 75

Blue #4563B - Duro 80

Red #4563R - Duro 87

Travel Inches	1 Natural	2 Natural	3 Natural	1 Yellow	2 Yellow	3 Yellow	1 Blue	2 Blue	3 Blue	1 Red	2 Red	3 Red
.100"	280	133	103	220	115	71	285	125	85	600	300	225
.200"	695	308	270	410	230	150	600	255	180	1150	625	500
.300"	1025	488	392	625	330	220	925	375	270	1950	900	700
.400"	1416	656	486	880	430	285		510	350		1225	900
.500"		845	615		530	340		650	425		1500	1300
.600"		1057	737		650	410		825	500		2000	1500
.700"			870			480			600			1700
.800"			1025			550			690			1925
.900"			1170			640			790			?
1.000"						730			885			?

Looking for a Mid Plate?

Out-Pace manufactures both standard and off-set versions. You can find them on page 44.

3.375" O.D. POLYURETHANE SPRING BUSHINGS

Our Polyurethane bushings use a specially formulated materials and are molded in our custom-designed proprietary molds. Because our bushings are designed for racing, they provide excellent performance when dynamically loaded. They also offer good abrasion and solvent resistance.

They are sold separately and are available in a variety of durometers.

Part #	Color	Hardness	O.D."	I.D."	Height
*5508BK	Black	65	3.375"	.750"	2.50"
*5508N	Natural	73	3.375"	.750"	2.50"
5508Y	Yellow	75	3.375"	.750"	2.50"
5508B	Blue	80 Medium	3.375"	.750"	2.50"
5508R	Red	87 Hard	3.375"	.750"	2.50"

**5508N and 5508BK use proprietary material that are more resilient and durable*

POLYURETHANE BUSHING SPRING RATE CHART

Yellow #5508Y - Duro 75 | Blue #5508B - Duro 80 | Red #5508R - Duro 87 | Black #5508BK - Duro 65 | Natural #5508N - Duro 73

Travel Inches	2 Yellow	1 Yellow 1 Blue	1 Yellow 1 Red	2 Blue	1 Blue 1 Red	2 Red	2 Black	1 Black 1 Natural	2 Natural	3 Yellow	2 Blue 1 Yellow	3 Blue	2 Blue 1 Red	3 Red	2 Natural 1 Black
.125"	152	200	225	204	265	535	182	185	207	70	92	109	131	255	12
.250"	295	364	445	430	570	1030	372	358	420	146	213	245	286	527	260
.375"	435	540	670	650	860	1468	555	520	618	233	344	388	483	825	389
.500"	586	732	900	890	1148	1872	713	675	815	326	475	545	654	1121	509
.625"	735	916	1136	1130	1435	2240	883	827	995	421	618	700	840	1391	620
.725"	896	1120	1374	1385	1749	2580	1330	985	1180	516	750	851	1023	1625	723
.875"	1059	1320	1606	1650	2060	2928	1488	1156	1350	615	900	928	1192	1826	833
1.000"	1230	1520	1868	1916	2372	3245	1557	1340	1545	715	1045	1139	1365	2102	939
1.125"	1590	1973	2351	2470	2758	4220	1740	1795	1936	895	1340	1435		2444	1148
1.375"	1773	2190	2560	2760	3065	4640	1920	2016	2140		1450	1507			1219



MISCELLANEOUS ITEMS

STEEL MISALIGNMENT BUSHINGS

Helps prevent misalignment with Rod Ends and allow for Maximum Movement. Available in both 1/2" and 5/8" I.D. Sold in Pairs.

10-8HB 1/2" I.D.
12-10HB 5/8" I.D.



REAREND CHAIN CLAMP

Rearend chain mount clamp for axle tube when running a suspension limiter. PN# 51-008.
PN# 51-008B.



STEEL REAREND HOUSING CLAMP

PN# 51-006.



BRONZE BIRDCAGE WEAR BUSHINGS

PN# 51-007.



SHOCK CANISTER MOUNTS

Available for a variety of different shock manufacturers.

AFCO57-001
Integra57-002
Ohlins57-003
Penske57-004
Pro57-005



WEIGHT CLAMPS

Available for a variety sizes of round tubing. They feature two 1/2-13 threaded mounting holes and are made of high quality aluminum and are anodized black for long life.

Fits 1" Tubing 70-001
Fits 1 1/4" Tubing 70-002
Fits 1 3/8" Tubing 70-003
Fits 1 1/2" Tubing 70-004
Fits 1 5/8" Tubing 70-007
Fits 1 3/4" Tubing 70-005
Fits 2" Tubing 70-006



Looking for Pinion or Frame Mounts?

Out-Pace manufactures a wide variety of pinion and frame mounts in steel and aluminum. Find them on page 35.

MISCELANEOUS ITEMS

SPRING STEEL

Ideal for body bracing. Sold by the foot.
PN# 70-020 - Per Foot.



SPRING STEEL HEAT SHRINK SLEEVE

Ideal for joining 2-3 pieces of spring steel together. Sold by the foot.
PN# 70-021. per foot



AIR CLEANER NUTS

Made from aluminum, feature O-Ring seal with 5/16-8 threaded hole all the way through the nut.
PN# 71-001 - Nut.

PN# 71-002 - Replacement O-Ring.



'X-TREME' MUD SCRAPERS

Designed by Audie Swartz of Swartz Race Cars. This innovative product bolts to the brake caliper and keeps mud, rocks and debris from sticking to the inside of the rim. It utilizes a replaceable plastic blade that conforms to the shape of the inside half of the rim.

A must for dirt racers.

Left Rear Scraper
56-0013.5 hole spacing

Right-Rear Scraper
56-0023.5 hole spacing

Dyna Light Left
56-0055.25 hole spacing

Dyna Light Right
56-0065.25 hole spacing

Replacement Blade
56-003



STANDARD OR ADJUSTABLE 5/8" OFF-SET MID-PLATES

Adjustable version allows for 1" movement up or down to help fine-tune the chassis by raising or lowering your engine to better weight transfer. Available in Standard 5/8" Off-Set for Chevy Engine or Adjustable 5/8" Off-Set for Chevy Engine. Powdercoated Black for Long Life.

Call for Ford Applications.

Standard 5/8" Chevy Off-Set
OP58M1

Adjustable 5/8" Chevy Off-Set
OP58M3



OP58M1
Standard



OP58M3
Adjustable

HOOKER HARNESS SAFETY BELTS

Hooker Harness, Inc. was founded by innovator Jack Hooker. Jack began producing seatbelts and shoulder harnesses in New York in the early 1970's. During the early years Jack produced a variety of harnesses \primarily for the aviation industry. Through the years, Hooker Harness has become the most well known and respected producer of Aerobatic seatbelts and shoulder harnesses. The aviation background in harness production provided the foundation for Hooker Harnesses emergence into the racing industry.

The company was founded and maintains a commitment to quality, consistency, and customer service. These strong commitments go hand in hand with an FAA approved quality control system, which is monitored and reviewed by the FAA on a routine basis. The FAA requires Hooker Harness to perform in house routine testing of both materials and finished products. Hooker Harness uses the same quality control system in all forms of production, for both FAA and SFI approved products.

From the beginning Hooker Harness has been producing custom made seatbelts and shoulder harnesses. We understand that not all harnesses can simply be made the same because all people and vehicles are built different and require a product specifically tailored to their individual needs. Therefore, all seatbelts and shoulder harnesses are not produced until they are ordered. Hooker Harness has always guaranteed that their product will fit properly, and will make any necessary alterations at no additional cost to the consumer.

Hooker Harness started as, and remains a custom seat belt and shoulder harness manufacturer. All measurements should be made as precise as possible. If you do not like the configuration of the seat belt and shoulder harness of your current manufacturer, please let us know. With your help we can design, test, manufacture, and seek approval for your custom designed system. Since safety is our utmost concern, Hooker Harness will not accept any design not deemed as safe.



Pull-Up Style



Latch & Link



Ratchet Tightener



Crotch Strap Options



*Aluminum Adjuster
Shoulder Harness*



*Steel Adjuster
Shoulder Harness*



End Fitting Options



Looking for Pinion or Frame Mounts?

Out-Pace manufactures a wide variety of pinion and frame mounts in steel and aluminum. Find them on page 35.

SWIFT SPRINGS

H5S.TW - Motorsport's most advanced spring material!

Swift made a name for itself on the tracks of Asia, Europe and the U.S. by defying all accepted concepts and speculations about the future, if any, in coil spring science.

When many other companies were looking at expensive and brittle titanium composites to create the next evolution of springs, Swift was looking at reinventing the entire science of coil spring dynamics. Swift saw that most others are using the old regular silicone chrome material, which was not strong enough. It used a heat tempering method that damaged the strength of the material that required more coils, in turn, more weight. The material was also suffering from a short life span. With springs like this leading the industries, Swift saw room for improvement.

Swift's R & D team created material, called H5S.TW, which is stronger than regular silicone chrome material. Because of this material, we could make the spring wire thinner, and could wind the springs with fewer coils, which greatly decreased weight while dramatically increasing available stroke.

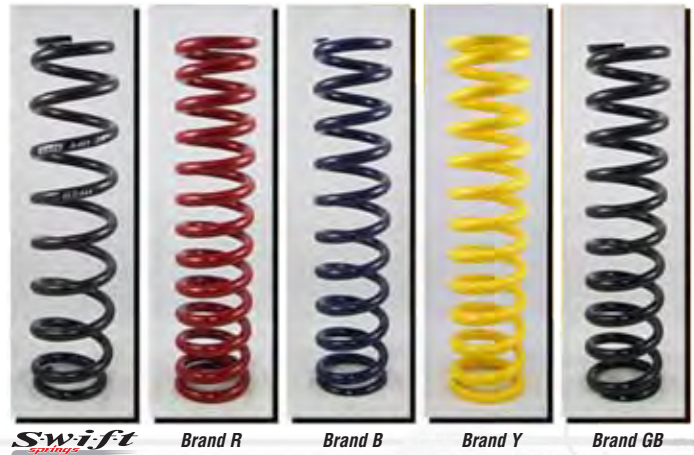
**Barrel Design - Isn't the barrel design heavier?
Not on Swift. Still one of the lightest!**

All of the Swift Standard 10" and longer Coilover Springs are barrel design; the design is to solve all the spring bowing problems. With bowing springs, you can expect spring rate inconsistency, and rubbing against shock body that would lead to damages on the shock adjusting perch thread.

One approach would be to increase the number of coils on the springs. With more coils on the spring, you will experience less bowing motion. This is the easy and cheaper method to solve the issue. But the downside of this method is a decrease in suspension stroke, increase in un-sprung mass, and will effect the overall movement of other suspension components.

Unlike others, Swift designed barrel springs with one common rule, which is all the barrel springs design have a maximum of 4" OD. Because most other manufacturers do not design their barrel springs with this rule. Most of their barrel springs outside diameter will differ from one rate to another. This creates a hard time for racers to test and see which rates will fit and which rate does not. A heavier rate spring tends to interfere with the suspension A-arm or other suspension components.

Generally speaking, the barrel designed springs tend to be heavier in weight than straight shape springs, but Swift Coil Springs will never have this problem because of our world leading coiling technology .



Pictures Below Show Springs Compressed at 7 inches

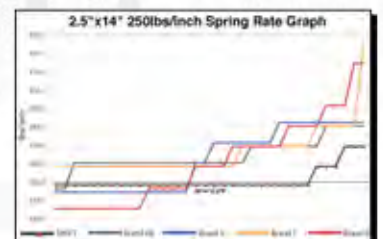
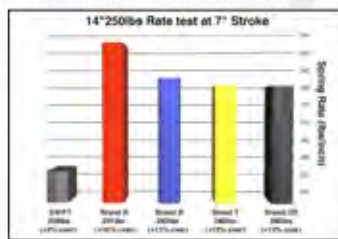


Every spring manufacturer uses a different method to rate their springs, causing frustration among many racers when they swap brands.

Brand A may test their spring rate at 1st 10% of the stroke while brand B may test at 60% of the stroke. By looking at the diagram below, you will get a clear picture of how this work.

As you can see, Swift springs are within 3% of the spring rate from 20-30% of the stroke all the way to about 80% of the stroke. (the aver-age stroke range for most road race motorsports).

Swift tests the spring rate through the entire stroke to provide the best to the best.



Brand	Weight (lbs)	Number of Coil
SWIFT	5.10	9.40
BRAND R	6.34	12.30
BRAND B	6.00	10.20
BRAND Y	6.40	12.70
BRAND GB	5.92	10.10

STRAIGHT TYPE 2 1/2" I.D. COILOVER SWIFT SPRINGS

4" LENGTH STRAIGHT TYPE 2 1/2" I.D. COILOVER SPRINGS

Part #	Spring Rate	Useable Stroke	Max Stroke	Max Load	Spring Weight
040-250-300	300	2.6"	2.8"	843	.82
040-250-350	350	2.5"	2.7"	960	.90
040-250-400	400	2.5"	2.7"	1,066	1.02
040-250-450	450	2.4"	2.6"	1,182	1.09
040-250-500	500	2.4"	2.6"	1,289	1.14
040-250-550	550	2.3"	2.5"	1,388	1.19
040-250-600	600	2.3"	2.5"	1,476	1.30

12" LENGTH BARREL TYPE 2 1/2" I.D. COILOVER SPRINGS

Part #	Spring Rate	Useable Stroke	Max Stroke	Max Load	Spring Weight
120-250-100	100	8.5"	9.5"	954	2.20
120-250-125	125	8.2"	9.3"	1,161	2.62
120-250-150	150	7.8"	9.1"	1,364	2.91
120-250-175	175	7.7"	8.8"	1,547	3.28
120-250-185	185	7.7"	8.7"	1,612	3.46
120-250-200	200	7.5"	8.7"	1,731	3.61
120-250-225	225	7.4"	8.5"	1,902	3.99
120-250-250	250	7.3"	8.2"	2,051	4.38
120-250-275	275	7.1"	8.1"	2,219	4.63
120-250-300	300	6.9"	8.1"	2,420	4.71
120-250-325	325	6.8"	7.9"	2,567	5.10
120-250-350	350	6.6"	7.9"	2,753	5.22
120-250-375	375	6.5"	7.7"	2,873	5.67
120-250-400	400	6.4"	7.6"	3,039	5.77
120-250-425	425	6.3"	7.5"	3,194	5.87
120-250-450	450	6.1"	7.6"	3,414	5.97
120-250-475	475	6.0"	7.5"	3,561	6.04
120-250-500	500	6.0"	7.2"	3,612	6.52
120-250-525	525	6.1"	6.9"	3,644	7.07
120-250-550	550	5.8"	7.2"	3,932	6.85
120-250-575	575	5.8"	7.0"	4,036	7.21
120-250-600	600	5.8"	6.9"	4,124	7.34
120-250-650	650	5.6"	6.7"	4,381	7.69
120-250-700	700	5.6"	6.6"	4,611	8.13
120-250-750	750	5.4"	6.6"	4,937	8.26

10" LENGTH BARREL TYPE 2 1/2" I.D. COILOVER SPRINGS

Part #	Spring Rate	Useable Stroke	Max Stroke	Max Load	Spring Weight
100-250-100	100	7.2"	8.2"	817	1.64
100-250-125	125	6.8"	8.0"	995	1.83
100-250-150	150	6.8"	7.7"	1,152	2.24
100-250-175	175	6.5"	7.6"	1,323	2.40
100-250-185	185	6.4"	7.6"	1,399	2.43
100-250-200	200	6.4"	7.4"	1,481	2.60
100-250-225	225	6.3"	7.2"	1,625	2.93
100-250-250	250	6.1"	7.1"	1,783	3.13
100-250-275	275	5.9"	7.1"	1,961	3.20
100-250-300	300	5.8"	7.0"	2,101	3.37
100-250-325	325	5.6"	7.0"	2,266	3.50
100-250-350	350	5.6"	6.8"	2,387	3.78
100-250-375	375	5.6"	6.7"	2,494	4.04
100-250-400	400	5.5"	6.6"	2,633	4.12
100-250-425	425	5.4"	6.5"	2,768	4.32
100-250-450	450	5.3"	6.4"	2,895	4.40
100-250-475	475	5.4"	6.2"	2,955	4.95
100-250-500	500	5.3"	6.1"	3,061	5.08
100-250-525	525	5.2"	6.2"	3,231	5.31
100-250-550	550	5.2"	6.0"	3,324	5.54
100-250-575	575	4.9"	6.2"	3,563	5.90
100-250-600	600	5.0"	5.9"	3,565	6.08
100-250-650	650	4.9"	5.8"	3,785	5.97
100-250-700	700	4.8"	5.8"	4,079	6.50
100-250-750	750	4.6"	5.8"	4,355	6.60

14" LENGTH BARREL TYPE 2 1/2" I.D. COILOVER SPRINGS

Part #	Spring Rate	Useable Stroke	Max Stroke	Max Load	Spring Weight
140-250-100	100	9.6"	11.0"	1,100	2.82
140-250-125	125	9.4"	10.6"	1,326	3.25
140-250-150	150	9.0"	10.4"	1,557	3.68
140-250-175	175	8.8"	10.1"	1,764	4.11
140-250-185	185	8.7"	9.9"	1,839	4.56
140-250-200	200	8.7"	9.8"	1,958	4.90
140-250-225	225	8.1"	9.8"	2,209	5.24
140-250-250	250	7.8"	9.7"	2,432	5.58
140-250-275	275	8.0"	9.2"	2,541	5.91
140-250-300	300	7.7"	9.3"	2,777	6.02
140-250-325	325	7.6"	9.1"	2,944	6.30
140-250-350	350	7.3"	9.0"	3,161	6.61
140-250-375	375	7.3"	8.8"	3,301	6.96
140-250-400	400	7.1"	8.7"	3,496	7.10



STRAIGHT TYPE 5.0" O.D. CONVENTIONAL SWIFT SPRINGS

9.5" TALL STRAIGHT TYPE 5.0" O.D. CONVENTIONAL SPRINGS

Part #	Spring Rate	Useable Stroke	Max Stroke	Max Load	Spring Weight
950-500-500	500	5.7"	6.1"	3,051	5.79
950-500-550	550	5.7"	5.8"	3,204	6.36
950-500-600	600	5.5"	5.7"	3,447	6.97
950-500-650	650	5.3"	5.8"	3,763	6.56
950-500-700	700	5.3"	5.5"	3,830	7.98
950-500-750	750	5.0"	5.7"	4,251	7.49
950-500-800	800	5.1"	5.4"	4,285	8.00
950-500-850	850	4.8"	5.6"	4,719	7.64
950-500-900	900	5.0"	5.1"	4,571	8.77
950-500-950	950	4.8"	5.3"	5,012	8.42
950-500-1000	1,000	4.5"	5.4"	5,433	8.10

13" TALL STRAIGHT TYPE 5.0" O.D. CONVENTIONAL SPRINGS

Part #	Spring Rate	Useable Stroke	Max Stroke	Max Load	Spring Weight
130-500-125	125	9.1"	10.6"	1,320	3.52
130-500-150	150	8.9"	10.3"	1,551	4.03
130-500-175	175	8.8"	10.1"	1,760	4.57
130-500-200	200	8.7"	10.0"	1,991	4.85
130-500-225	225	8.7"	9.7"	2,183	5.81
130-500-250	250	8.5"	9.5"	2,383	5.95
130-500-275	275	8.3"	9.5"	2,602	6.09
130-500-300	300	8.4"	9.1"	2,735	6.78
130-500-325	325	8.2"	9.0"	2,928	7.22
130-500-350	350	7.9"	9.0"	3,150	7.22
130-500-375	375	7.7"	9.0"	3,372	7.36
130-500-400	400	7.6"	8.8"	3,532	7.94

11" TALL STRAIGHT TYPE 5.0" O.D. CONVENTIONAL SPRINGS

Part #	Spring Rate	Useable Stroke	Max Stroke	Max Load	Spring Weight
110-500-125	125	7.7"	9.1"	1,133	2.61
110-500-150	150	7.6"	8.9"	1,332	2.94
110-500-175	175	7.4"	8.7"	1,527	3.35
110-500-200	200	7.3"	8.6"	1,707	3.82
110-500-225	225	7.2"	8.4"	1,892	4.10
110-500-250	250	7.1"	8.3"	2,065	4.39
110-500-275	275	6.9"	8.2"	2,253	4.54
110-500-300	300	6.9"	8.0"	2,402	4.94
110-500-325	325	6.8"	7.9"	2,568	5.14
110-500-350	350	6.6"	7.9"	2,763	5.26
110-500-375	375	6.5"	7.8"	2,911	5.69
110-500-400	400	6.5"	7.6"	3,052	6.02

15" TALL STRAIGHT TYPE 5.0" O.D. CONVENTIONAL SPRINGS

Part #	Spring Rate	Useable Stroke	Max Stroke	Max Load	Spring Weight
150-500-150	150	10.3"	11.6"	1,747	5.07
150-500-175	175	9.7"	11.6"	2,028	5.34
150-500-200	200	9.5"	11.4"	2,271	6.02
150-500-225	225	9.2"	11.2"	2,522	6.38
150-500-250	250	9.2"	10.9"	2,722	7.07
150-500-275	275	8.9"	10.8"	2,976	7.37
150-500-300	300	8.6"	10.7"	3,217	7.71

STRAIGHT TYPE 5.5" O.D. CONVENTIONAL SWIFT SPRINGS

9.5" TALL STRAIGHT TYPE 5.5" O.D. CONVENTIONAL SPRINGS

Part #	Spring Rate	Useable Stroke	Max Stroke	Max Load	Spring Weight
950-550-275	275	6.3"	6.9"	1,901	4.41
950-550-300	300	6.3"	6.8"	2,032	4.81
950-550-325	325	6.1"	6.8"	2,201	4.87
950-550-350	350	6.1"	6.7"	2,329	5.14
950-550-400	400	6.0"	6.5"	2,583	5.73
950-550-450	450	5.7"	6.4"	2,870	6.02
950-550-500	500	5.5"	6.4"	3,189	6.15
950-550-550	550	5.5"	6.2"	3,400	6.75
950-550-600	600	5.5"	5.9"	3,567	7.39
950-550-650	650	5.1"	6.1"	3,992	6.99
950-550-700	700	5.1"	5.9"	4,134	7.69
950-550-750	750	4.8"	6.1"	4,547	7.32
950-550-800	800	5.0"	5.7"	4,567	6.31
950-550-850	850	4.7"	5.9"	4,986	7.98

SWIFT TAKE-UP SPRINGS

Swift Helper Springs are designed to hold tension on the main spring holding the load! Used in Stacked Spring Combos in today's Dirt Late Models, they also help to secure the spring tension when going over jumps in Off-Road Vehicles. Spring also includes adapter and two shims.

Part #	Spring Rate	Free Length	Stroke	FCH	CW
H65-060-015	84	2.4"	1.5"	1"	154
H65-060-030	168	2.4"	1.4"	1"	265
H65-070-008	45	2.8"	1.8"	1"	95



Need an Upper or Lower A-Frame?

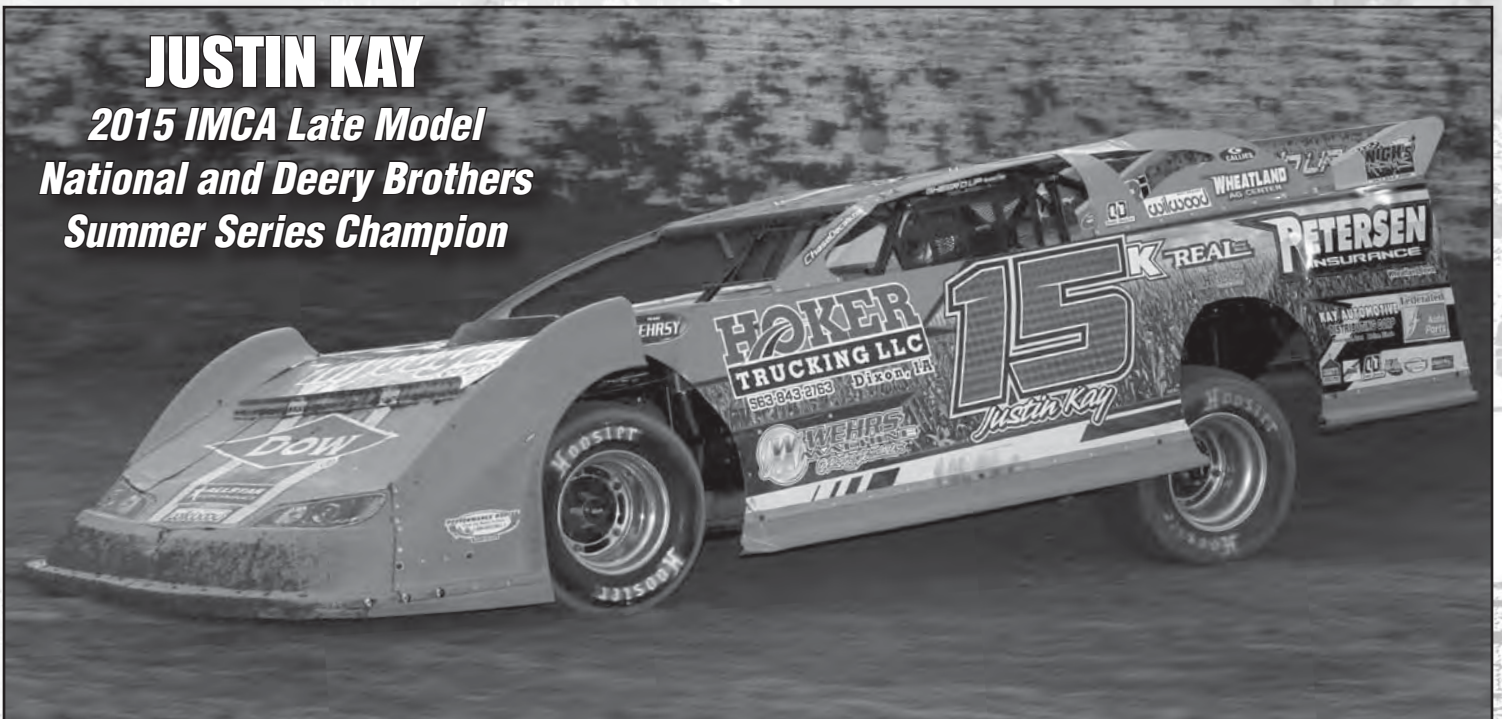
Out-Pace has you covered with a variety of options. They begin on page 25.

Looking for Ball Joints?

Out-Pace carries a full line of Howe Regular and Rebuildable Balljoints, you can find them on page 34.

JUSTIN KAY

*2015 IMCA Late Model
National and Deery Brothers
Summer Series Champion*



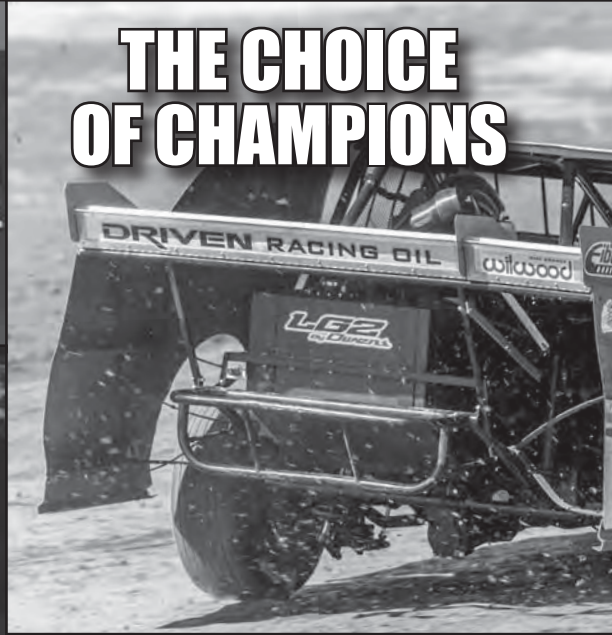
Tom Machy/PhotoFinishPhotos.com



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THE CHOICE OF CHAMPIONS



Tom Machy/PhotoFinishPhotos.com



Scott Swenson



Brandon Murray



Cody Papke



Buck Mansour/BuckMansourPhoto.com



Out-Pace Racing Products



Buck Monson/BuckMonsonPhoto.com



Rick Schwallie



Scott Swenson



Buck Monson/BuckMonsonPhoto.com



Cody Papke



Buck Monson/BuckMonsonPhoto.com



Jeff Hall/Hall Racing Media



Out-Pace

Racing Products

