



# **PAC**



## **Master Suspension Catalog**

**Suspension Springs  
Sway Bars  
Shocks  
Rod Ends**



**OFFROAD**



**DRAG RACE**



**CIRCLE TRACK**



**HOT ROD &  
STREET CAR**



**POWER SPORTS**



**RacingSprings.com**

**866-799-9417**

MANUFACTURERS OF SUSPENSION, VALVE SPRING AND OTHER QUALITY PRODUCTS

**2015 RELEASE**

# About PAC Racing



ABOUT PAC

PAC Racing Springs, based in Detroit, MI, is the Racing and Aftermarket Division of the Peterson Spring Company. With more than 10 divisions around the world, Peterson Spring is the largest privately held, family owned Spring Company in the USA. With more than 100 years of operation, Peterson Spring proudly manufactures all the Racing and Aftermarket components in Detroit, Michigan.



SERVICE COMMITMENT

We understand the demands of racing and provide a commitment to all of our customers to provide the best service possible. We continue to expand products, and offer expanded onsite technical services at various racing events. We believe these interactions allow us to provide the latest product advancements and respond to additional future requirements. Because we are the manufacturer we are able to design, build, and supply parts within days if needed.

CUSTOM PRODUCTS

We believe in providing custom products for every product line. This philosophy is a premium choice to allow our customers an enhanced product or something unique to the application. Additional Private Label programs are available to many companies looking for their own brand identity and are typically for larger volume applications. We honor proprietary agreements and are dedicated to providing any aftermarket company a superior American made product at sustainable market pricing.



The primary focus of the Peterson Spring group is Automotive and Industrial applications; these interactions increase technical advancements for PAC Racing Spring products. We can offer enhanced technology through engineering resources and expanded experience from all of our power-train engineers. Additionally with nearly 100 years of manufacturing experience we continually improve our products to exceed demanding expectations.



Because of the extreme demands of racing, we routinely test all of our components using advanced testing technology. We have a fully accredited metallurgy lab with dedicated staff and equipment such as: SEM with EDAX, Xray Diffraction, Micro Hardness, Impact Testing, and MTS Tensile Test machine. Additionally, we are able to test functionality and fatigue properties in our Dynamics Laboratory, which includes a single post MTS Servo Hydraulic test machine, various bench type equipment, and our High Tech Engine test lab. Whatever your application we strive to bring confidence that our products meet and exceed designed parameters.

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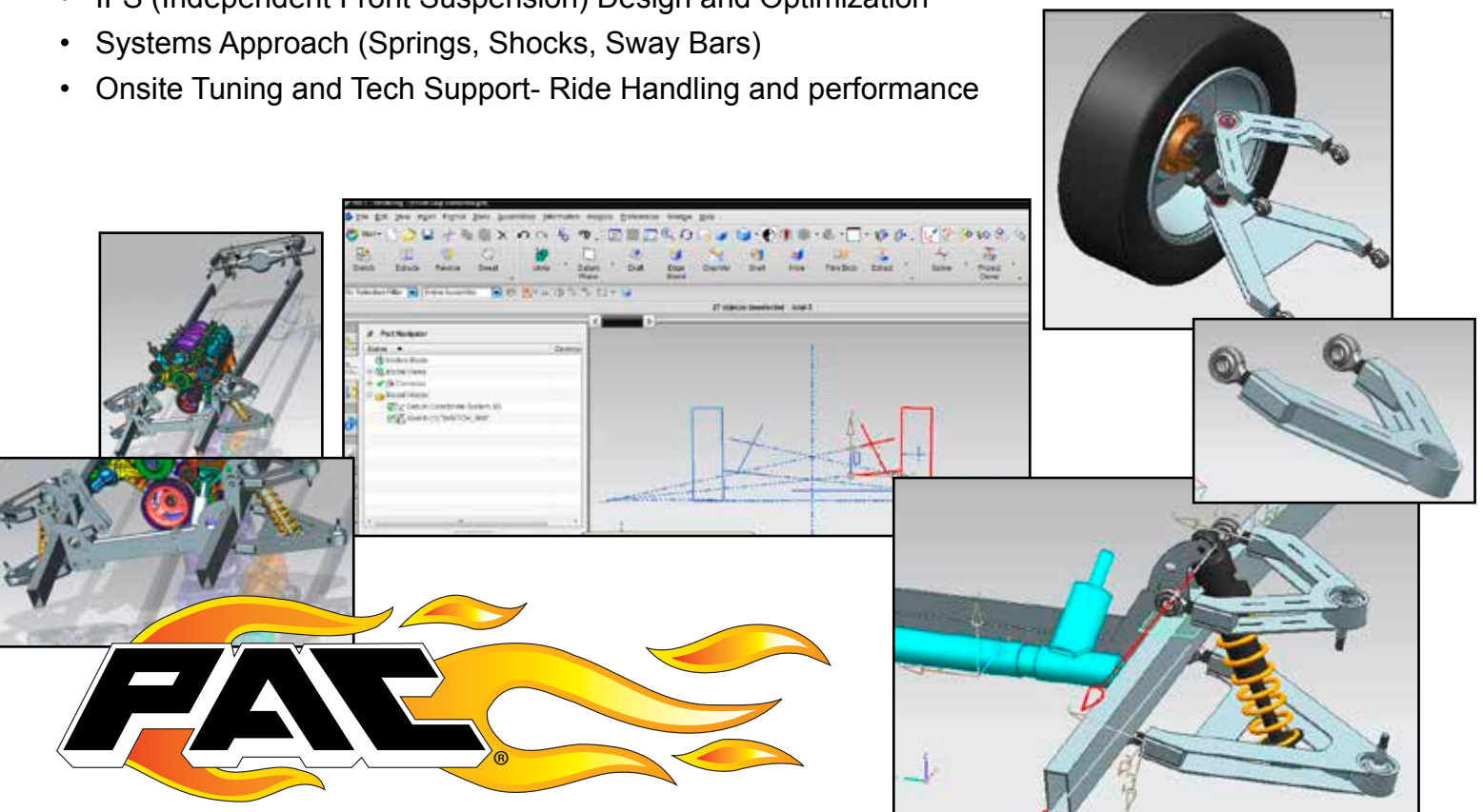
# About PAC Racing

PAC Racing Springs Engineering abilities have always extended past simply manufacturing and designing springs. The engineering team within PAC Racing and the Peterson Spring group views spring components as a system, and develops a spring solution that fits with the over-all application needed to integrate the system. With a host of Engineering tools, PAC Racing's Expansion into suspension systems offers our customers a unique set of opportunities to develop a suspension system from the drawing board, or optimize a current system. We are eager to help and expand on our ability into the suspension market. If you have a need or inquiry please contact us at 1.866.799.9417, email [tech@racingsprings.com](mailto:tech@racingsprings.com), or view our website for our web tools, knowledge based papers, and product information.

## WE OFFER

### Engineering Services and Design

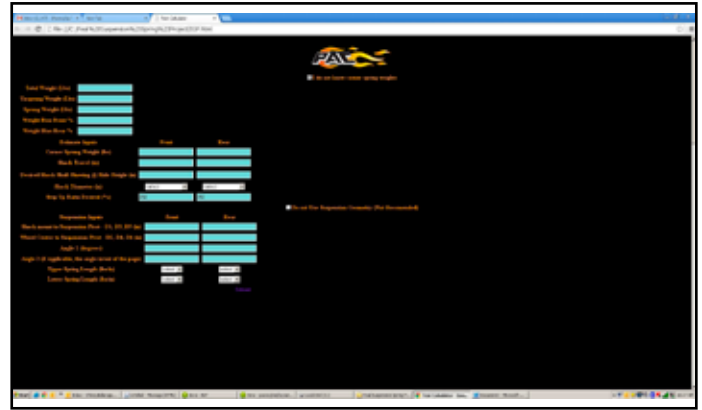
- Complete 3D Cad Modeling of system
- Suspension Component Design
- Private Label Engineering- Turn Key Suspension systems for aftermarket
- Rate Curve and Wheel Rate Analysis
- Suspension optimization- Viewed as a system
- Spring and Ride Handling Support – Spring rate optimization based on specific application
- Suspension Travel and Geometry changes
- IFS (Independent Front Suspension) Design and Optimization
- Systems Approach (Springs, Shocks, Sway Bars)
- Onsite Tuning and Tech Support- Ride Handling and performance





# ONLINE TOOLS

- User guided tools for our customers looking for self driven design
- Sway Bar rate calculator (online)
- Suspension Spring Rate Calculator tools (online)
- Basic Technical reference information
- Dual Suspension Spring Rate Chart (Reference tools)



Sway Bar Inputs		
Parameters	Value	Description
Active Diameter (in)	0.875	Diameter of turned down portion in center
Overall Length (in)	35	End to End
Arm Length (in)	16	Length from axis of sway bar to rod end mounting point
Bushing Length (in)	1.5	Standard Bar is 1.5, Short Course is 3.0
Spline Length (in)	1.75	Standard is 1.5
Degrees of Twist (deg)	19.7	Twist in Sway Bar, see left for calculations

Outputs	
Force (lbs)	508
Previous Value	200
% Difference	153.8%

### Maximum Degrees of Twist (full bump to full droop)

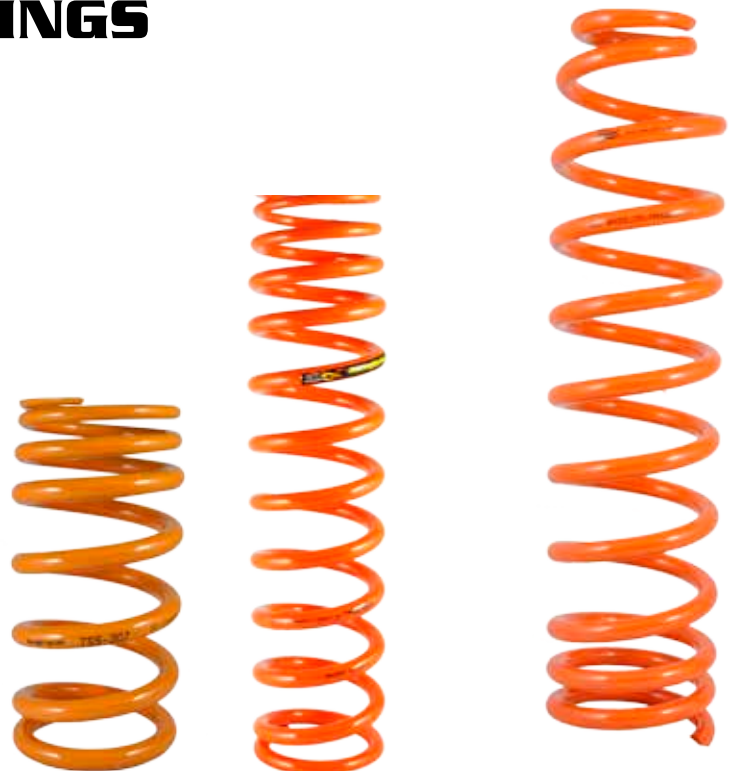
Parameters	Value	Description
Track Width (in)	74	Outside to outside of tires
Tire Width (in)	12	
Offset from inside of tire to sway bar mounting point on axle (in)	12	Mounting location of radius rod on axle
Wheel Travel (in)	10	Total Wheel Travel, not shock travel
Length of Link Arm (in)	15	Effective Length from axis of sway bar to rod end mounting point
Length of Radius Rods (in)	23	Effective Length from rod end hole to rod end hole

Outputs	
Maximum Angular Twist (deg)	19.7

Degrees of Twist (during operation)  
 If degrees of twist is desired for intermediate values (like deflection when going around a corner), know that the sway bar only reacts when the mounting points move relative to each other. Therefore, when going around a corner, one side the car rises, the other squats, and the amount of wheel travel is the sum of those two values. Enter that into the wheel travel cell G7 to then find the angular twist of the sway bar.

# TAPERED WIRE SPRINGS

Traditional Springs are made from the same size (Diameter) wire throughout the helix of the spring. PAC Racing Springs has partnered with technology leaders in order to provide this advanced new tapered wire product. **Tapered wire allows for a true progressive and dual rate without reducing spring travel and increasing weight from traditional methods.** Tapered wire has several advantages to the true chassis engineer and extreme racer looking for the next level of performance. PAC Racing Springs is currently looking for additional applications, so if you have a challenging situation please contact us to see if this solution is right for you.



TAPERED WIRE SPRINGS

JEEP SPEED 220 PROGRESSIVE

# PAC Technical Support

Starting in 2013, we expanded our onsite tech and product support at race events around the country. On the west coast we teamed with Alltech Motorsports, an industry company that specializes in Off Road Racing. Wayne and his crew offer complete vehicle prep, and specialize in shock and suspension tuning. This allows **PAC Racing to be at the forefront of the Off Road industry with products on hand to suit the needs of the racing community** on the west coast.



Combined with our west coast presence **we have a complete trailer geared to support drag race, off road, road race, and other events.** Our trailers are equipped with tools and full products to support our customers and PAC



Racing representatives available to answer questions. From car club events, track days, test and tunes, track rentals, or a simple car show- look for PAC Racing at many events!

We are excited to expand support and look forward to serving the racing community with added benefits. **If you have a special need or a track day scheduled, contact us and we will do what we can to support your endeavors.**

**Look for  at your next racing event!**

# PAC Apparel

Show off your favorite springmakers with our exclusive PAC Racing wearables! We have T-shirts, long sleeved T-shirts, sweatshirts, hoodies and hats available in many sizes. Contact us for large apparel orders or custom screenprinting & embroidery questions. High quality, heavyweight cotton blends.



PAC Beanie  
One-size



PAC Flat Bill Hats  
Sizes S-3X

PAC Structured Hats  
Sizes S-3X



PAC T-Shirts & Long Sleeved Tees  
Sizes S-3X



PAC Women's T-Shirts  
Sizes S-3X



Special Edition  
Limited Supply



# NEW PRODUCTS

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**DOUBLE STACKED SPRING SLIDERS**

**HELPER SPRING SHOCK SLIDERS**

**NEEDLE THRUST BEARINGS**

**2.5 TO 3.0 SPRING ADAPTER**



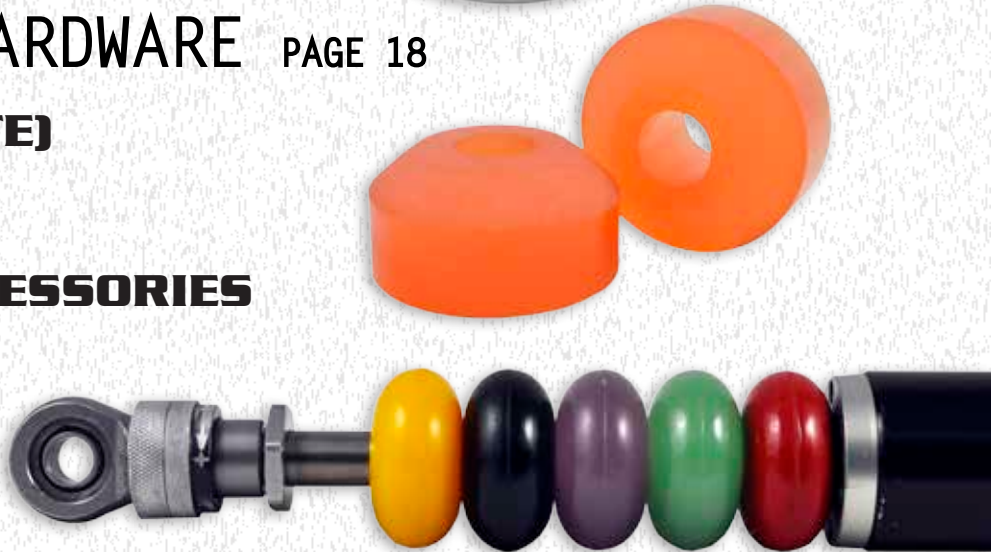
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**ELLIPSE SHAPE (SKATE)**

**SINGLE TAPER**

**URETHANE BUMP ACCESSORIES**

**“TREE” SHAPE**



**CONICAL WASHERS**

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**NEW FLAT WIRE SPRING  
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**200 SERIES LINK ARMS**

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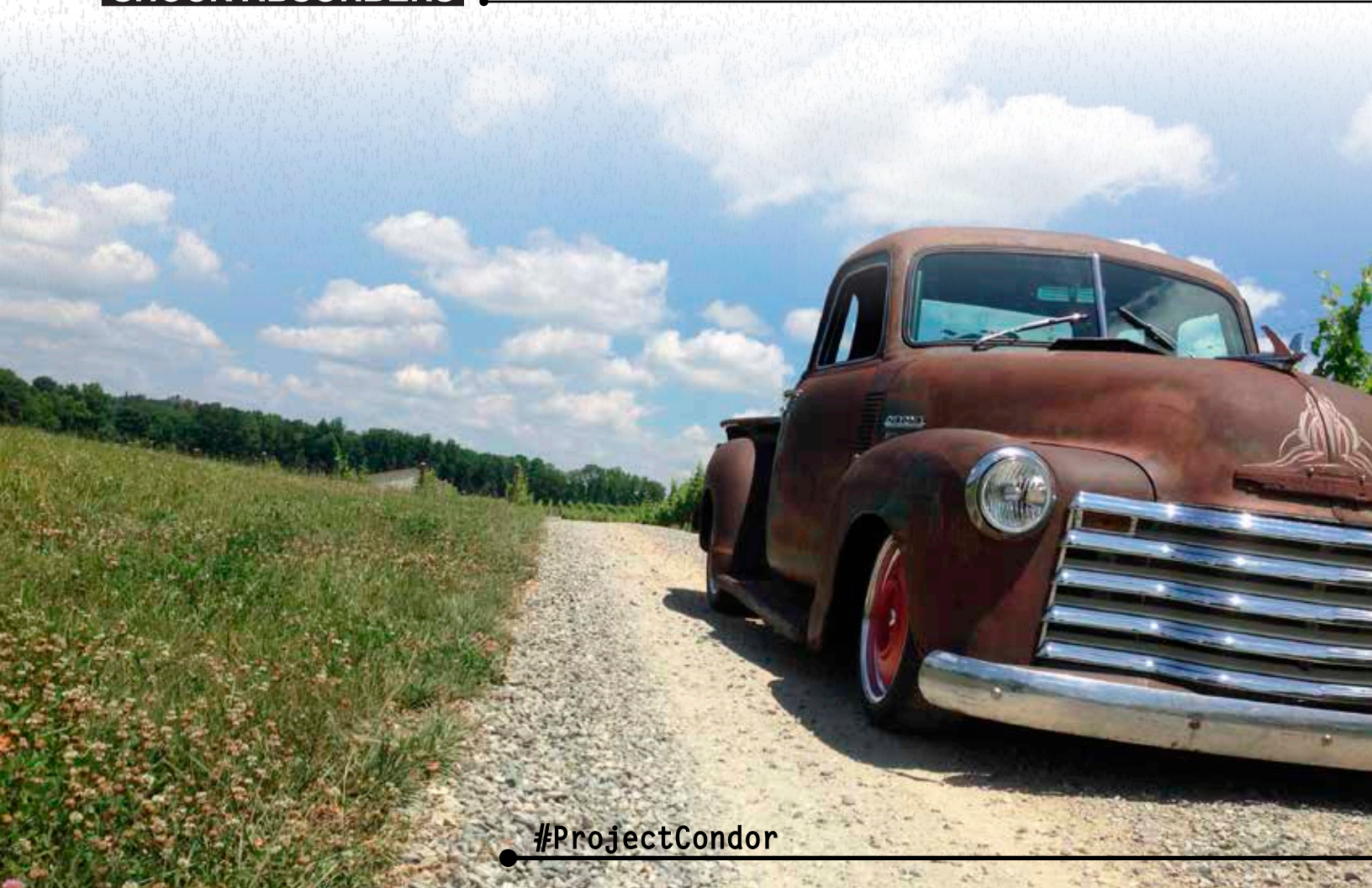


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**BILSTEIN**  
SHOCK ABSORBERS

CIRCLE TRACK SHOCKS









Proudly made in the U.S.A



# ***Suspension Springs***



# About Suspension Springs

WE ARE A MANUFACTURER OF SUSPENSION SPRINGS, VALVE SPRINGS, SPRING RETAINER PRODUCTS, SWAY BARS, AND MANY OTHER METAL COMPONENTS.

PAC Racing Springs is a stand alone division of Peterson Spring which has been in business for over 100 years. **Peterson Spring is the largest family owned and privately held spring company in the United States.** While PAC Racing Springs specializes in valve springs, we have developed a substantial suspension spring product line, this product utilizes our technology from valve springs. PAC Racing Springs has world class engineering, materials, testing, manufacturing, and distribution systems that will react to your needs.

## WHY ARE PAC RACING SPRINGS BETTER?

We demand the highest technology and best performance from our products—we work very diligently ensuring our designs, materials, and processing withstand all performance requirements. **Years of experience in high stressed valve springs and race engines, provides understanding on what it takes to manufacture a lighter, better performing suspension spring.**

We validate these claims by testing the competition in our Dynamics Laboratory, setting baseline standards to exceed current sag (load loss), spring weight, and fatigue life. Cost is always a factor and with being a division of Peterson Spring, it allows for our metallurgists to demand the highest strength alloys, while leveraging our suppliers to meet market price demands.



## PAC RACING SPRINGS HAS MANY MATERIAL OPTIONS

### Materials:

- Super High Tensile Chrome Silicon + Alloy
- Aerospace High Tensile Steels
- Titanium
- Wire sizes from 0.008 up to 1.250 Diameter!

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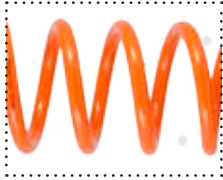
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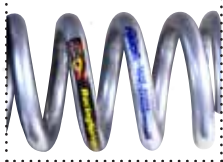


# Powder Coat & Identification Options

## STANDARD COLORS



Orange



Silver



Black

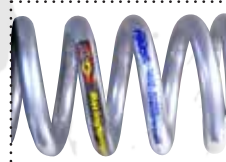
## OPTIONAL COLORS



Blue



Red



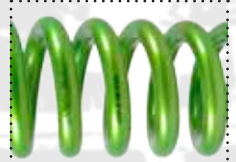
Near Chrome

{ Additional charge  
of \$5.00 per spring }

## ADDITIONAL STOCKED COLORS



Rust Brown



Sparkle Green



Bomber Sparkle Orange

{ Additional charge  
of \$10.00 per spring }

CUSTOM COLORS AND PANTONES AVAILABLE TO MATCH YOUR APPLICATION

Additional charge of \$25.00 per spring  
Setup charge of \$35.00

## CUSTOM INKJET LABELING

Add any label to your coil spring:  
Part numbers, team names, batch and date codes

Additional charge \$7.00 per spring  
Setup charge of \$15.00





# COIL WRAPS AND COVER ACCESSORIES

Part Number	Size	Description
PAC-CW10	10"	Fits 2.5 and 3.0 ID Coil springs 10 Inch Ballistic Nylon Spring Cover Universal Spring Diameter Sizing
PAC-CW12	12"	Fits 2.5 and 3.0 ID Coil springs 12 Inch Ballistic Nylon Spring Cover Universal Spring Diameter Sizing
PAC-CW14	14"	Fits 2.5 and 3.0 ID Coil springs 14 Inch Ballistic Nylon Spring Cover Universal Spring Diameter Sizing
PAC-CW16	16"	Fits 2.5 and 3.0 ID Coil springs 16 Inch Ballistic Nylon Spring Cover Universal Spring Diameter Sizing
PAC-CW18	18"	Fits 2.5 and 3.0 ID Coil springs 18 Inch Ballistic Nylon Spring Cover Universal Spring Diameter Sizing
PAC-CW20	20"	Fits 2.5 and 3.0 ID Coil springs 20 Inch Ballistic Nylon Spring Cover Universal Spring Diameter Sizing
PAC-CW22	22"	Fits 2.5 and 3.0 ID Coil springs 22 Inch Ballistic Nylon Spring Cover Universal Spring Diameter Sizing
PAC-CW24	24"	Fits 2.5 and 3.0 ID Coil springs 24 Inch Ballistic Nylon Spring Cover Universal Spring Diameter Sizing
PAC-CW26	26"	Fits 2.5 and 3.0 ID Coil springs 26 Inch Ballistic Nylon Spring Cover Universal Spring Diameter Sizing
PAC-CW28	28"	Fits 2.5 and 3.0 ID Coil springs 28 Inch Ballistic Nylon Spring Cover Universal Spring Diameter Sizing
PAC-CW30	30"	Fits 2.5 and 3.0 ID Coil springs 30 Inch Ballistic Nylon Spring Cover Universal Spring Diameter Sizing
PAC-CW32	32"	Fits 2.5 and 3.0 ID Coil springs 32 Inch Ballistic Nylon Spring Cover Universal Spring Diameter Sizing



## SUSPENSION SPRING COVERS

- Manufactured from military ballistic nylon
- Durable high strength construction
- Hook and loop enclosure

# DOUBLE SPRING SLIDERS

Assembly Part Number	Description	Spring Size	Replacement Insert Part Number
PAC-800-101	Fits 2.0 Fox and Sway Away Shock	2.5 I.D.	PAC-800-101-01
PAC-800-102	Fits 2.0 King Shock	2.5 I.D.	PAC-800-102-01
PAC-800-103	Fits Fox, King, and Sway Away 2.5 Shock	3.0 I.D.	PAC-800-103-01
PAC-200-101	Fits Ohlins 2.0 Shock	2.5 I.D.	PAC-200-101-01
PAC-200-102	Fits Penske 2.0 Shock	2.5 I.D.	PAC-200-102-01

\*Fox, King, Sway A Way, Ohlins and Penske are all trademarks not affiliated with PAC Racing Springs



**Dual Coil Spring Stacker Chart**

Formula:  $(Rate \times Rate) / (Rate + Rate)$

866.799.9417 | RacingSprings.com

Easy reference chart for calculating spring rates of dual spring shock applications...

**Call today to order your  
25"x25"  
PAC SPRING  
STACKER CHART**

# SHOCK ACCESSORIES

## DOUBLE STACKED SPRING SLIDERS

### CIRCLE TRACK

Part Number	Spring Size (in)	Inside Dia (in)	Application	Design Type
PAC-200-101	2.50	2.200	2.0 Ohlins	Nylon Center Body with Spun Shield
PAC-200-102	2.50	2.106	2.0 Penske	Nylon Center Body with Spun Shield
PAC-200-103	2.50	2.184	2.0 Afco	Nylon Center Body with Spun Shield
PAC-200-104	2.50	2.014	2.0 Integra	Nylon Center Body with Spun Shield

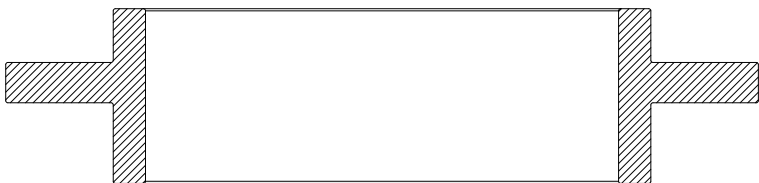
## HELPER SPRING SHOCK SLIDERS

### OFF-ROAD

Part Number	Spring Size (in)	Inside Dia (in)	Application	Design Type	Coating Type
PAC-800-201	2.50	2.120	2.0 Fox / Sway Away	Solid Aluminum	Hard Anodize
PAC-800-202	2.50	2.030	2.0 King	Solid Aluminum	
PAC-800-203	3.00	2.580	3.0 Fox / King / Sway Away	Solid Aluminum	
PAC-800-205	3.00	2.060	2.0 Bilstein	Solid Aluminum	
PAC-800-206	2.50	2.630	2.5 Bilstein	Solid Aluminum	

### CIRCLE TRACK

Part Number	Spring Size (in)	Inside Dia (in)	Application	Design Type	Coating Type
PAC-200-201	2.50	2.200	2.0 Ohlins	Solid Aluminum	Hard Anodize
PAC-200-202	2.50	2.106	2.0 Penske	Solid Aluminum	
PAC-200-203	2.50	2.184	2.0 Afco	Solid Aluminum	
PAC-200-204	2.50	2.014	2.0 Integra	Solid Aluminum	



Helper Spring Slider





## NEEDLE THRUST BEARINGS WITH 2 WASHERS

Part Number	ID	OD	Type	Bearing Thickness	Washer Thickness
PAC-TB01	2.50	3.14	Needle Thrust Bearing and Standard Washer	0.157	0.032
PAC-TB02	3.00	3.74	Needle Thrust Bearing and Standard Washer	0.157	0.032
PAC-TB03	3.85	5.00	Needle Thrust Bearing and Standard Washer	0.157	0.032
PAC-TB04	2.50	3.50	Thick Stainless Steel Washer	-	0.100
PAC-TB05	3.00	4.00	Thick Stainless Steel Washer	-	0.100

## 2.5 TO 3.0 SPRING ADAPTER

PAC Racing has designed a spring adaptor to allow use of 3.0 ID springs on a smaller shock. The spring adaptor is designed to accommodate the inside diameter to locate the coil over spring on the perch.

Part Number	Spring Size (in)	Perch Thickness (in)	Type
PAC-300412	3.00	0.375	Aluminum
PAC-300413	3.00	0.250	Steel



2.5-3.0 Springs Adapter

# URETHANE BUMP HARDWARE



PAC Racing has worked to develop urethane bump technology that exceeds current standards. Urethane is unique when compared to a steel spring, and can see force loss or force differences when in compression and rebound. We have designed a complete line-up that utilized premium USA made Urethane to resist loss and tested on the same equipment as our suspension springs. Use the Urethane hardware as a high rate bump stop or stack them to get the desired rate curve.

**Elliptical Bump Urethane:** Offers a uniform rate profile that is considered progressive as the profile closes out.

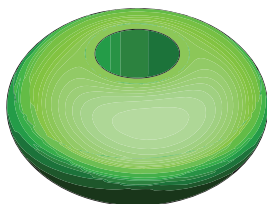
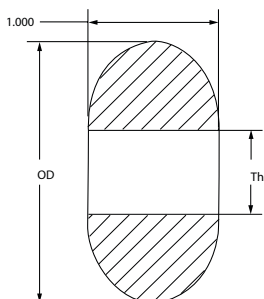
**Single Taper Urethane:** Offers a rate change once the tapered top is closed out.

**Urethane Hardware:** Use this hardware to mount and align the urethane hardware to your desired stack setup.



## ELLIPSE SHAPE (SKATE)

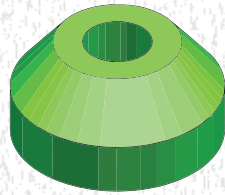
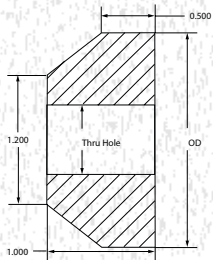
Part Number	OD	Height	Thru Hole	Shape	Color	Durameter (Ref)	Rate	Max Force Deflection
PAC-BR101	2.00	1.00	0.650	Ellipse	Orange	40	CALL FOR MORE INFORMATION	
PAC-BR102	2.00	1.00	0.650	Ellipse	Black	50		
PAC-BR103	2.00	1.00	0.650	Ellipse	Purple	60		
PAC-BR104	2.00	1.00	0.650	Ellipse	Green	70		
PAC-BR105	2.00	1.00	0.650	Ellipse	Yellow	80		
PAC-BR106	2.00	1.00	0.650	Ellipse	Red	85		



# URETHANE BUMP SPRINGS

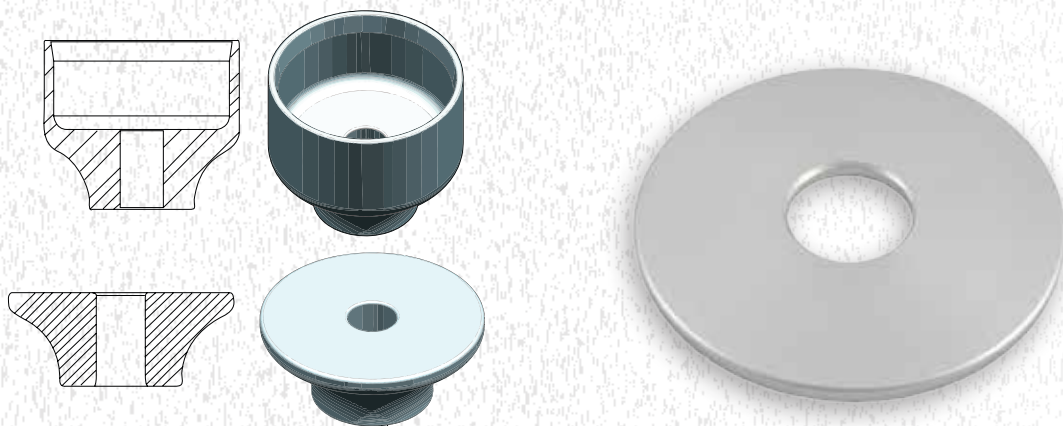
## SINGLE TAPER

Part Number	OD	Height	Thru Hole	Shape	Color	Durameter (Ref)	Rate	Max Force Deflection
PAC-BR110	2.00	1.00	0.650	Taper Top	Orange	40	CALL FOR MORE INFORMATION	
PAC-BR111	2.00	1.00	0.650	Taper Top	Black	50		
PAC-BR112	2.00	1.00	0.650	Taper Top	Purple	60		
PAC-BR113	2.00	1.00	0.650	Taper Top	Green	70		
PAC-BR114	2.00	1.00	0.650	Taper Top	Yellow	80		
PAC-BR115	2.00	1.00	0.650	Taper Top	Red	85		



## URETHANE BUMP ACCESSORIES

Part Number	OD	ID	Height	Material	Type
PAC-C280	1.975	0.505	0.100	Aluminum	Washer/Spacer
PAC-C281	1.975	0.630	0.100	Aluminum	Washer/Spacer
PAC-C282	2.300	0.505	2.000	Aluminum	Cup Standoff for Urethane Bumps (All Shapes)
PAC-C283	2.300	0.630	2.000	Aluminum	Cup Standoff for Urethane Bumps (All Shapes)
PAC-C284	2.300	0.505	0.950	Aluminum	Tapered Standoff for Urethane Bumps (All Shapes)
PAC-C285	2.300	0.630	0.950	Aluminum	Tapered Standoff for Urethane Bumps (All Shapes)
PAC-C246	1.375	1.190	0.500	Titanium	Single Cup
PAC-C247	1.375	1.190	0.850	Titanium	Double Cup

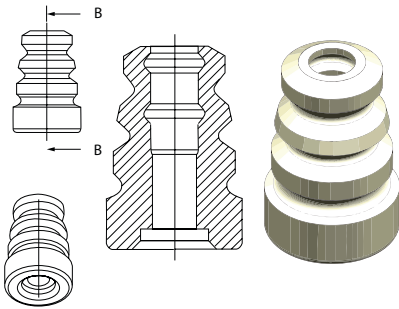




# URETHANE BUMP SPRINGS

## “TREE” SHAPE

Part Number	OD	Height	Thru Hole	Shape	Color	Grams/CC	Rate	Max Force Deflection
PAC-BTR200	2	3	0.650	3 inch Foam Tree Bump	Black	30	Please call for more information	
PAC-BTR201	2	3	0.650	3 inch Foam Tree Bump	Purple	40		
PAC-BTR202	2	3	0.650	3 inch Foam Tree Bump	Green	60		
PAC-BTR203	2	3	0.650	3 inch Foam Tree Bump	Yellow	80		
PAC-BTR205	2	2	0.650	2 inch Foam Tree Bump	Black	30		
PAC-BTR206	2	2	0.650	2 inch Foam Tree Bump	Purple	40		
PAC-BTR207	2	2	0.650	2 inch Foam Tree Bump	Green	60		
PAC-BTR208	2	2	0.650	2 inch Foam Tree Bump	Yellow	80		



## CONICAL WASHERS

Part Number	OD	Thru Hole	Free Length	Thickness	Height @ 100 Lbs	Height @ 400 Lbs	Rate	Total Travel
PAC-300405-1	1.850	0.640	0.125	0.025			Call for more information	
PAC-300405-2	1.850	0.640	0.125	0.035				
PAC-300405-3	1.850	0.640	0.125	0.045				
PAC-300405-4	1.850	0.640	0.125	0.055	0.110	0.090	15,000 Lbs	0.070
PAC-300405-5	1.850	0.640	0.125	0.065	0.110	0.100	22,000 Lbs	0.060
PAC-300405-6	1.850	0.640	0.125	0.075	0.115	0.105	32,000 Lbs	0.050
PAC-300405-7	1.850	0.640	0.125	0.085	0.115	0.110	45,000 Lbs	0.030



# COMING SOON!

# ***BUILDER PARTS***

CALL FOR MORE INFORMATION



Heavy Duty Forged Rod Ends



Urethane Weld In Supports



Urethane Mounts





# FLAT WIRE SPRINGS (PAC-FW SERIES)

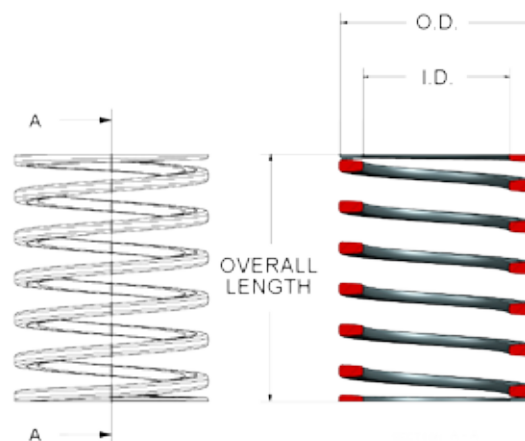
These have been known as “Tender Springs” or “Helper Springs” and are traditionally used in conjunction with dual rate coil over shock springs. These are designed to be used when your spring stack does not have enough pre-load for the full extension of the shock. These will allow for full extension of the shock without losing your coil spring buckets or retainers.

PAC Racing Springs designed these springs using high tensile keystone shape wire, allowing for an even stress distribution on the wire. These are designed to be run at bind height without losing free-length, and are designed to withstand many cycles of compression and extension.

If you would like to know more about flat or shaped wire springs or have an inquiry about a custom wire shape for your application, please let us know.

## FLAT WIRE HELPER & SLACK SPRINGS

Part Number	Nominal Free Length		Nominal Inside Diameter		Spring Rate		Load @ Coil Bind		Coil Bind Height		Free Length to Coil Bind Travel		Spring Weight	
	(in)	(mm)	(in)	(mm)	(lbs/in)	(kg/mm)	(lbs)	(kg)	(in)	(mm)	(in)	(mm)	(lbs)	(kg)
<b>1 Inch Tall Helper Springs</b>														
PAC-FW-1x2.0x84	1.21	30.73	2.03	51.56	84	1.32	58	26	0.424	10.77	0.786	19.96	0.19	0.09
PAC-FW-1x2.25x84	1.21	30.73	2.28	57.91	84	1.50	44	20	0.688	17.48	0.522	13.26	0.34	0.15
PAC-FW-1x2.5x84	1.21	30.73	2.53	64.26	84	1.50	51	23	0.600	15.24	0.610	15.49	0.33	0.15
<b>2 Inch Tall Helper Springs</b>														
PAC-FW-2x2.0x104	2.00	50.80	2.04	51.69	104	1.86	121	55	0.828	21.03	1.172	29.77	0.49	0.22
PAC-FW-2x2.25x104	2.00	50.80	2.28	57.79	104	1.86	135	61	0.700	17.78	1.300	33.02	0.45	0.20
PAC-FW-2x2.5x104	2.00	50.80	2.53	64.26	104	2.05	105	48	1.085	27.56	0.915	23.24	0.78	0.35
<b>3 Inch Tall Helper Springs</b>														
PAC-FW-3x2.0x15	3.00	76.20	2.00	50.80	15	0.27	35	16	0.693	17.60	2.307	58.60	0.31	0.14
PAC-FW-3x2.0x25	3.00	76.20	2.00	50.80	25	0.45	56	25	0.762	19.35	2.238	56.85	0.34	0.15
PAC-FW-3x2.5x50	3.00	76.20	2.53	64.26	50	0.89	130	59	0.825	20.96	2.175	55.25	0.58	0.26
PAC-FW-3x3.0x50	3.00	76.20	3.03	76.96	50	0.89	115	52	0.691	17.55	2.309	58.65	0.58	0.26
PAC-FW-3x2.5x128	3.00	76.20	2.53	64.26	128	2.29	253	115	1.020	25.91	1.980	50.29	0.73	0.33
<b>5 Inch Tall Helper Springs</b>														
PAC-FW-5x2.5x25	5.00	127.00	2.53	64.26	25	0.45	85	39	1.600	40.64	3.400	86.36	0.88	0.40
PAC-FW-5x2.5x75	5.00	127.00	2.53	64.26	75	1.34	218	99	2.100	53.34	2.900	73.66	1.50	0.68
PAC-FW-5x3.0x25	5.00	127.00	3.03	76.96	25	0.45	97	44	1.100	27.94	3.900	99.06	0.70	0.32
PAC-FW-5x3.0x75	5.00	127.00	3.03	76.96	75	1.34	273	124	1.350	34.29	3.650	92.71	1.20	0.54
<b>6 Inch Tall Helper Springs</b>														
PAC-FW-6x2.5x5	6.00	152.40	2.53	64.26	5	0.09	34	15	0.517	13.13	5.483	139.27	0.21	0.10



# Suspension Spring Listings

## 2.0 ID COIL OVER

Part Number	Nominal Free Length		Nominal Inside Diameter		Spring Rate		Load @ Coil Bind		Coil Bind Height		Free Length to Coil Bind Travel		Spring Weight	
	(in)	(mm)	(in)	(mm)	(lbs/in)	(kg/mm)	(lbs)	(kg)	(in)	(mm)	(in)	(mm)	(lbs)	(kg)
<b>5" TALL</b>														
PAC-5x2.0x500	5.000	127	2.03	52	500	8.9	1343	610	2.314	59	2.686	68	1.48	0.67
PAC-5x2.0x525	5.000	127	2.03	52	525	9.4	1470	668	2.200	56	2.8	71	1.40	0.64
PAC-5x2.0x550	5.000	127	2.03	52	550	9.8	1574	716	2.138	54	2.862	73	1.36	0.62
PAC-5x2.0x600	5.000	127	2.03	52	600	10.7	1639	745	2.268	58	2.732	69	1.52	0.69
PAC-5x2.0x650	5.000	127	2.03	52	650	11.6	1723	783	2.349	60	2.651	67	1.62	0.73
PAC-5x2.0x700	5.000	127	2.03	52	700	12.5	1954	888	2.209	56	2.791	71	1.52	0.69
PAC-5x2.0x750	5.000	127	2.03	52	750	13.4	1903	865	2.463	63	2.537	64	1.81	0.82
PAC-5x2.0x800	5.000	127	2.03	52	800	14.3	2134	970	2.330	59	2.67	68	1.71	0.77
PAC-5x2.0x850	5.000	127	2.03	52	850	15.2	2218	1008	2.391	61	2.609	66	1.81	0.82
PAC-5x2.0x900	5.000	127	2.03	52	900	16.1	2270	1032	2.477	63	2.523	64	1.93	0.87
<b>6" TALL</b>														
PAC-6x2.0x500	6.000	152	2.03	52	500	8.9	1677	762	2.646	67	3.354	85	1.78	0.81
PAC-6x2.0x550	6.000	152	2.03	52	550	9.8	1842	837	2.651	67	3.349	85	1.85	0.84
PAC-6x2.0x600	6.000	152	2.03	52	600	10.7	1830	832	2.950	75	3.05	77	2.19	0.99
PAC-6x2.0x650	6.000	152	2.03	52	650	11.6	2092	951	2.781	71	3.219	82	2.05	0.93
PAC-6x2.0x700	6.000	152	2.03	52	700	12.5	2227	1012	2.819	72	3.181	81	2.15	0.97
PAC-6x2.0x750	6.000	152	2.03	52	750	13.4	2330	1059	2.893	73	3.107	79	2.27	1.03
PAC-6x2.0x800	6.000	152	2.03	52	800	14.3	2380	1082	3.025	77	2.975	76	2.45	1.11
<b>8" TALL</b>														
PAC-8x2.0x150	8.000	203	2.03	52	150	2.7	773	351	2.846	72	5.154	131	1.42	0.65

## 2.5 ID COIL OVER

Part Number	Nominal Free Length		Nominal Inside Diameter		Spring Rate		Load @ Coil Bind		Coil Bind Height		Free Length to Coil Bind Travel		Spring Weight	
	(in)	(mm)	(in)	(mm)	(lbs/in)	(kg/mm)	(lbs)	(kg)	(in)	(mm)	(in)	(mm)	(lbs)	(kg)
<b>4" TALL</b>														
PAC-4x2.5x400	4.000	102	2.50	64	400	7.1	1042	474	1.395	35	2.605	66	0.95	0.43
PAC-4x2.5x450	4.000	102	2.50	64	450	8.0	1180	536	1.427	36	2.573	65	0.98	0.45
PAC-4x2.5x500	4.000	102	2.50	64	500	8.9	1289	586	1.422	36	2.578	65	0.30	0.14
PAC-4x2.5x650	4.000	102	2.50	64	650	11.6	1633	742	1.537	39	2.463	63	1.21	0.55
<b>5" TALL</b>														
PAC-5x2.5x225	5.000	127	2.50	64	225	4.0	774	352	1.610	41	3.39	86	0.98	0.45
PAC-5x2.5x300	5.000	127	2.50	64	300	5.4	1028	467	1.571	40	3.429	87	1.05	0.48
PAC-5x2.5x350	5.000	127	2.50	64	350	6.2	1030	468	2.058	52	2.942	75	1.59	0.72
PAC-5x2.5x375	5.000	127	2.50	64	375	6.7	1145	521	1.946	49	3.054	78	1.50	0.68
PAC-5x2.5x400	5.000	127	2.50	64	400	7.1	1261	573	1.848	47	3.152	80	1.42	0.65
PAC-5x2.5x425	5.000	127	2.50	64	425	7.6	1376	626	1.762	45	3.238	82	1.35	0.61
PAC-5x2.5x450	5.000	127	2.50	64	450	8.0	1344	611	2.014	51	2.986	76	1.68	0.76
PAC-5x2.5x500	5.000	127	2.50	64	500	8.9	1573	715	1.855	47	3.145	80	1.52	0.69
PAC-5x2.5x650	5.000	127	2.50	64	650	11.6	2012	915	1.955	50	3.045	77	1.71	0.78
<b>6" TALL</b>														
PAC-6x2.5x50	6.000	152	2.50	64	50	0.9	247	112	1.062	27	4.938	125	0.49	0.22
PAC-6x2.5x100	6.000	152	2.50	64	100	1.8	470	214	1.300	33	4.7	119	0.61	0.28
PAC-6x2.5x150	6.000	152	2.50	64	150	2.7	667	303	1.553	39	4.447	113	0.89	0.40
PAC-6x2.5x200	6.000	152	2.50	64	200	3.6	851	387	1.747	44	4.253	108	1.26	0.57
PAC-6x2.5x250	6.000	152	2.50	64	250	4.5	1047	476	1.813	46	4.187	106	1.06	0.48



# Suspension Spring Listings

## 2.5 ID COIL OVER

Part Number	Nominal Free Length		Nominal Inside Diameter		Spring Rate		Load @ Coil Bind		Coil Bind Height		Free Length to Coil Bind Travel		Spring Weight	
	(in)	(mm)	(in)	(mm)	(lbs/in)	(kg/mm)	(lbs)	(kg)	(in)	(mm)	(in)	(mm)	(lbs)	(kg)
<b>6" TALL (cont'd)</b>														
PAC-6x2.5x300	6.000	152	2.50	64	300	5.4	1224	556	1.920	49	4.08	104	1.21	0.55
PAC-6x2.5x350	6.000	152	2.50	64	350	6.2	1380	627	2.058	52	3.942	100	1.50	0.68
PAC-6x2.5x400	6.000	152	2.50	64	400	7.1	1511	687	2.223	56	3.777	96	1.62	0.74
PAC-6x2.5x450	6.000	152	2.50	64	450	8.0	1707	776	2.207	56	3.793	96	1.70	0.77
PAC-6x2.5x500	6.000	152	2.50	64	500	8.9	1896	862	2.209	56	3.791	96	1.94	0.88
PAC-6x2.5x550	6.000	152	2.50	64	550	9.8	2008	913	2.649	67	3.351	85	2.13	0.97
PAC-6x2.5x600	6.000	152	2.50	64	600	10.7	2171	987	2.381	60	3.619	92	2.49	1.13
PAC-6x2.5x650	6.000	152	2.50	64	650	11.6	2303	1047	2.457	62	3.543	90	2.78	1.26
PAC-6x2.5x700	6.000	152	2.50	64	700	12.5	2474	1124	2.466	63	3.534	90	2.41	1.09
<b>7" TALL</b>														
PAC-7x2.5x100	7.000	178	2.50	64	100	1.8	534	243	1.664	42	5.336	136	0.87	0.39
PAC-7x2.5x150	7.000	178	2.50	64	150	2.7	788	358	1.875	48	5.125	130	0.91	0.41
PAC-7x2.5x175	7.000	178	2.50	64	175	3.1	921	419	1.909	48	5.091	129	1.14	0.52
PAC-7x2.5x200	7.000	178	2.50	64	200	3.6	1010	459	1.919	49	5.0815	129	1.36	0.62
PAC-7x2.5x225	7.000	178	2.50	64	225	4.0	1131	514	2.010	51	4.99	127	1.49	0.68
PAC-7x2.5x250	7.000	178	2.50	64	250	4.5	1247	567	2.270	58	4.73	120	1.68	0.76
PAC-7x2.5x275	7.000	178	2.50	64	275	4.9	1299	590	2.350	60	4.65	118	1.76	0.80
PAC-7x2.5x300	7.000	178	2.50	64	300	5.4	1464	665	2.440	62	4.56	116	1.89	0.86
PAC-7x2.5x325	7.000	178	2.50	64	325	5.8	1564	711	2.470	63	4.53	115	1.94	0.88
PAC-7x2.5x350	7.000	178	2.50	64	350	6.2	1658	754	2.610	66	4.39	112	2.01	0.91
PAC-7x2.5x400	7.000	178	2.50	64	400	7.1	1826	830	2.552	65	4.448	113	2.14	0.97
PAC-7x2.5x450	7.000	178	2.50	64	450	8.0	2065	939	2.840	72	4.16	106	2.26	1.03
PAC-7x2.5x500	7.000	178	2.50	64	500	8.9	2189	995	2.970	75	4.03	102	2.48	1.13
PAC-7x2.5x550	7.000	178	2.50	64	550	9.8	2403	1092	3.210	82	3.79	96	2.86	1.30
PAC-7x2.5x600	7.000	178	2.50	64	600	10.7	2608	1186	3.460	88	3.54	90	3.01	1.37
PAC-7x2.5x650	7.000	178	2.50	64	650	11.6	2661	1210	3.420	87	3.58	91	3.54	1.61
PAC-7x2.5x700	7.000	178	2.50	64	700	12.5	2837	1290	2.947	75	4.053	103	3.87	1.76
PAC-7x2.5x750	7.000	178	2.50	64	750	13.4	3002	1365	2.997	76	4.003	102	4.04	1.84
<b>8" TALL</b>														
PAC-8x2.5x60	8.000	203	2.50	64	60	1.1	395	179	1.645	42	6.355	161	0.820	0.37
PAC-8x2.5x100	8.000	203	2.50	64	100	1.8	585	266	1.530	39	6.47	164	0.970	0.44
PAC-8x2.5x125	8.000	203	2.50	64	125	2.2	776	353	1.790	45	6.21	158	1.020	0.46
PAC-8x2.5x140	8.000	203	2.50	64	140	2.5	861	391	1.940	49	6.06	154	1.570	0.71
PAC-8x2.5x180	8.000	203	2.50	64	180	3.2	1057	481	2.549	65	5.451	138	1.760	0.80
PAC-8x2.5x200	8.000	203	2.50	64	200	3.6	1116	507	2.549	65	5.451	138	2.010	0.91
PAC-8x2.5x220	8.000	203	2.50	64	220	3.9	1214	552	2.810	71	5.19	132	2.130	0.97
PAC-8x2.5x250	8.000	203	2.50	64	250	4.5	1300	591	2.900	74	5.1	130	2.140	0.97
PAC-8x2.5x275	8.000	203	2.50	64	275	4.9	1469	668	2.658	68	5.342	136	2.184	0.99
PAC-8x2.5x300	8.000	203	2.50	64	300	5.4	1627	740	2.734	69	5.266	134	2.230	1.01
PAC-8x2.5x350	8.000	203	2.50	64	350	6.2	1846	839	2.937	75	5.063	129	2.460	1.12
PAC-8x2.5x400	8.000	203	2.50	64	400	7.1	2035	925	3.170	81	4.83	123	2.390	1.09
PAC-8x2.5x450	8.000	203	2.50	64	450	8.0	2193	997	3.248	82	4.752	121	2.560	1.16
PAC-8x2.5x500	8.000	203	2.50	64	500	8.9	2449	1113	3.220	82	4.78	121	2.520	1.15
PAC-8x2.5x550	8.000	203	2.50	64	550	9.8	2695	1225	3.450	88	4.55	116	2.840	1.29
PAC-8x2.5x600	8.000	203	2.50	64	600	10.7	2778	1263	3.370	86	4.63	118	3.571	1.62
PAC-8x2.5x650	8.000	203	2.50	64	650	11.6	2994	1361	3.394	86	4.606	117	3.684	1.67
PAC-8X2.5X700	8.000	203	2.50	64	700	12.5	3249	1477	3.408	87	4.592	117	3.760	1.71
PAC-8X2.5X800	8.000	203	2.50	64	800	14.3	3631	1650	3.501	89	4.499	114	4.060	1.85

Part Number	Nominal Free Length		Nominal Inside Diameter		Spring Rate		Load @ Coil Bind		Coil Bind Height		Free Length to Coil Bind Travel		Spring Weight	
	(in)	(mm)	(in)	(mm)	(lbs/in)	(kg/mm)	(lbs)	(kg)	(in)	(mm)	(in)	(mm)	(lbs)	(kg)
<b>8" TALL (cont'd)</b>														
PAC-8X2.5X850	8.000	203	2.50	64	850	15.2	3804	1729	3.575	91	4.425	112	4.230	1.92
PAC-8x2.5x1100	8.000	203	2.50	64	1100	19.6	4571	2078	3.845	98	4.155	106	5.184	2.36
PAC-8x2.5x1200	8.000	203	2.50	64	1200	21.4	4516	2053	4.237	108	3.763	96	5.850	2.66
<b>9" TALL</b>														
PAC-9x2.5x60	9.000	229	2.50	64	60	1.1	441	200	1.650	42	7.35	187	0.76	0.34
PAC-9x2.5x100	9.000	229	2.50	64	100	1.8	685	311	2.155	55	6.845	174	1.24	0.56
PAC-9x2.5x140	9.000	229	2.50	64	140	2.5	932	424	2.342	59	6.658	169	1.51	0.68
PAC-9x2.5x180	9.000	229	2.50	64	180	3.2	1143	520	2.010	51	6.99	178	1.96	0.89
PAC-9x2.5x220	9.000	229	2.50	64	220	3.9	1374	625	2.980	76	6.02	153	2.26	1.03
PAC-9x2.5x300	9.000	229	2.50	64	300	5.4	1849	841	3.174	81	5.826	148	2.49	1.13
PAC-9x2.5x350	9.000	229	2.50	64	350	6.2	2104	956	3.425	87	5.5755	142	2.77	1.26
PAC-9x2.5x400	9.000	229	2.50	64	400	7.1	2328	1058	3.428	87	5.572	142	3.25	1.48
PAC-9x2.5x450	9.000	229	2.50	64	450	8.0	2519	1145	3.572	91	5.428	138	3.48	1.58
PAC-9x2.5x550	9.000	229	2.50	64	550	9.8	2949	1341	3.620	92	5.38	137	4.09	1.86
PAC-9x2.5x650	9.000	229	2.50	64	650	11.6	3283	1492	3.371	86	5.629	143	4.86	2.21
<b>10" TALL</b>														
PAC-10x2.5x100	10.000	254	2.50	64	100	1.8	755	343	2.511	64	7.489	190	1.56	0.71
PAC-10x2.5x125	10.000	254	2.50	64	125	2.2	928	422	2.423	62	7.577	192	1.80	0.82
PAC-10x2.5x150	10.000	254	2.50	64	150	2.7	1083	492	2.772	70	7.228	184	1.98	0.90
PAC-10x2.5x175	10.000	254	2.50	64	175	3.1	1220	555	2.792	71	7.208	183	2.01	0.91
PAC-10x2.5x200	10.000	254	2.50	64	200	3.6	1402	637	2.992	76	7.008	178	2.29	1.04
PAC-10x2.5x225	10.000	254	2.50	64	225	4.0	1577	717	3.400	86	6.6	168	2.49	1.13
PAC-10x2.5x250	10.000	254	2.50	64	250	4.5	1746	794	3.489	89	6.511	165	2.90	1.32
PAC-10x2.5x275	10.000	254	2.50	64	275	4.9	1825	829	3.651	93	6.349	161	3.27	1.49
PAC-10x2.5x300	10.000	254	2.50	64	300	5.4	1973	897	3.422	87	6.578	167	3.04	1.38
PAC-10x2.5x325	10.000	254	2.50	64	325	5.8	2008	913	3.703	94	6.297	160	3.34	1.52
PAC-10x2.5x350	10.000	254	2.50	64	350	6.2	2248	1022	3.930	100	6.07	154	3.56	1.62
PAC-10x2.5x375	10.000	254	2.50	64	375	6.7	2373	1079	3.867	98	6.133	156	3.69	1.68
PAC-10x2.5x400	10.000	254	2.50	64	400	7.1	2489	1131	3.989	101	6.011	153	3.64	1.65
PAC-10x2.5x425	10.000	254	2.50	64	425	7.6	2596	1180	4.302	109	5.698	145	3.92	1.78
PAC-10x2.5x450	10.000	254	2.50	64	450	8.0	2693	1224	4.371	111	5.629	143	4.00	1.82
PAC-10x2.5x500	10.000	254	2.50	64	500	8.9	3020	1373	4.352	111	5.648	143	4.67	2.12
PAC-10x2.5x550	10.000	254	2.50	64	550	9.8	3161	1437	4.650	118	5.35	136	4.84	2.20
PAC-10x2.5x600	10.000	254	2.50	64	600	10.7	3454	1570	4.820	122	5.18	132	4.97	2.26
PAC-10x2.5x650	10.000	254	2.50	64	650	11.6	3735	1698	4.254	108	5.746	146	5.03	2.29
PAC-10x2.5x700	10.000	254	2.50	64	700	12.5	3780	1718	4.600	117	5.4	137	5.65	2.57
PAC-10x2.5x750	10.000	254	2.50	64	750	13.4	4022	1828	4.638	118	5.362	136	5.53	2.51
PAC-10x2.5x800	10.000	254	2.50	64	800	14.3	4250	1932	4.688	119	5.312	135	6.06	2.75
<b>12" TALL</b>														
PAC-12X2.5X60	12.000	305	2.50	64	60	1.07	519	236	3.36	85	8.641	219	1.84	0.84
PAC-12X2.5X70	12.000	305	2.50	64	70	1.25	635	289	2.93	74	9.071	230	1.58	0.72
PAC-12x2.5x80	12.000	305	2.50	64	80	1.4	722	328	3.037	77	8.9635	228	1.87	0.85
PAC-12x2.5x90	12.000	305	2.50	64	90	1.6	806	367	3.098	79	8.902	226	1.91	0.87
PAC-12x2.5x100	12.000	305	2.50	64	100	1.8	886	403	3.103	79	8.897	226	2.06	0.94
PAC-12x2.5x110	12.000	305	2.50	64	110	2.0	963	438	3.220	82	8.78	223	2.11	0.96
PAC-12x2.5x120	12.000	305	2.50	64	120	2.1	1079	490	3.201	81	8.799	223	2.17	0.99
PAC-12x2.5x125	12.000	305	2.50	64	125	2.2	1137	517	3.245	82	8.755	222	2.34	1.06
PAC-12x2.5x130	12.000	305	2.50	64	130	2.3	1151	523	3.385	86	8.6146	219	2.41	1.10
PAC-12x2.5x140	12.000	305	2.50	64	140	2.5	1218	554	3.245	82	8.755	222	2.39	1.08
PAC-12x2.5x150	12.000	305	2.50	64	150	2.7	1280	582	3.415	87	8.585	218	2.66	1.21
PAC-12x2.5x165	12.000	305	2.50	64	165	2.9	1395	634	3.755	95	8.245	209	2.73	1.24
PAC-12x2.5x175	12.000	305	2.50	64	175	3.1	1511	687	3.755	95	8.245	209	3.01	1.37
PAC-12x2.5x185	12.000	305	2.50	64	185	3.3	1562	710	3.604	92	8.3965	213	2.95	1.34
PAC-12x2.5x200	12.000	305	2.50	64	200	3.6	1665	757	3.674	93	8.326	211	3.00	1.37
PAC-12x2.5x225	12.000	305	2.50	64	225	4.0	1794	815	4.124	105	7.8762	200	3.26	1.48
PAC-12x2.5x250	12.000	305	2.50	64	250	4.5	1993	906	4.193	106	7.8075	198	3.71	1.69

# Suspension Spring Listings

## 2.5 ID COIL OVER

Part Number	Nominal Free Length		Nominal Inside Diameter		Spring Rate		Load @ Coil Bind		Coil Bind Height		Free Length to Coil Bind Travel		Spring Weight	
	(in)	(mm)	(in)	(mm)	(lbs/in)	(kg/mm)	(lbs)	(kg)	(in)	(mm)	(in)	(mm)	(lbs)	(kg)
<b>12" TALL (cont'd)</b>														
PAC-12x2.5x275	12.000	305	2.50	64	275	4.9	2184	993	4.057	103	7.943	202	3.71	1.69
PAC-12x2.5x300	12.000	305	2.50	64	300	5.4	2253	1024	4.490	114	7.51	191	4.34	1.97
PAC-12x2.5x325	12.000	305	2.50	64	325	5.8	2419	1100	4.293	109	7.707	196	4.11	1.87
PAC-12x2.5x350	12.000	305	2.50	64	350	6.2	2576	1171	4.344	110	7.656	194	4.72	2.14
PAC-12x2.5x375	12.000	305	2.50	64	375	6.7	2724	1238	4.560	116	7.44	189	4.94	2.24
PAC-12x2.5x400	12.000	305	2.50	64	400	7.1	3013	1370	4.467	113	7.533	191	4.65	2.11
PAC-12x2.5x425	12.000	305	2.50	64	425	7.6	2987	1358	4.473	114	7.527	191	4.81	2.19
PAC-12x2.5x450	12.000	305	2.50	64	450	8.0	3103	1411	4.698	119	7.302	185	5.12	2.33
PAC-12x2.5x475	12.000	305	2.50	64	475	8.5	3207	1458	4.553	116	7.447	189	5.39	2.45
PAC-12x2.5x500	12.000	305	2.50	64	500	8.9	3497	1589	4.664	118	7.336	186	5.44	2.47
PAC-12x2.5x525	12.000	305	2.50	64	525	9.4	3588	1631	5.165	131	6.835	174	5.86	2.66
PAC-12x2.5x550	12.000	305	2.50	64	550	9.8	3668	1667	5.331	135	6.669	169	6.46	2.94
PAC-12x2.5x575	12.000	305	2.50	64	575	10.3	3734	1697	5.506	140	6.494	165	6.58	2.99
PAC-12x2.5x600	12.000	305	2.50	64	600	10.7	4024	1829	5.294	134	6.706	170	6.87	3.12
PAC-12x2.5x625	12.000	305	2.50	64	625	11.2	4076	1853	5.478	139	6.522	166	7.01	3.19
PAC-12x2.5x650	12.000	305	2.50	64	650	11.6	4365	1984	5.284	134	6.716	171	7.12	3.24
PAC-12x2.5x675	12.000	305	2.50	64	675	12.1	4404	2002	5.476	139	6.524	166	7.25	3.30
PAC-12x2.5x700	12.000	305	2.50	64	700	12.5	4428	2013	5.674	144	6.326	161	7.54	3.43
PAC-12x2.5x750	12.000	305	2.50	64	750	13.4	4726	2148	5.699	145	6.301	160	8.11	3.69
PAC-12x2.5x800	12.000	305	2.50	64	800	14.3	4697	2135	6.129	156	5.871	149	8.81	4.00
PAC-12x2.5x900	12.000	305	2.50	64	900	16.1	5177	2353	6.248	159	5.752	146	9.93	4.51
PAC-12x2.5x1000	12.000	305	2.50	64	1000	17.9	5184	2356	6.816	173	5.184	132	10.81	4.91
<b>14" TALL</b>														
PAC-14X2.5X50	14.000	356	2.50	64	50	0.9	473	215	4.541	115	9.459	240	2.65	1.21
PAC-14X2.5X65	14.000	356	2.50	64	65	1.2	688	313	3.410	87	10.59	269	2.12	0.96
PAC-14x2.5x70	14.000	356	2.50	64	70	1.2	746	339	3.344	85	10.656	271	2.04	0.93
PAC-14x2.5x80	14.000	356	2.50	64	80	1.4	850	386	3.844	98	10.156	258	2.01	0.91
PAC-14x2.5x90	14.000	356	2.50	64	90	1.6	910	414	4.092	104	9.908	252	2.74	1.25
PAC-14x2.5x100	14.000	356	2.50	64	100	1.8	1046	476	3.641	92	10.359	263	2.72	1.24
PAC-14x2.5x110	14.000	356	2.50	64	110	2.0	1089	495	3.822	97	10.178	259	2.83	1.29
PAC-14x2.5x120	14.000	356	2.50	64	120	2.1	1225	557	3.786	96	10.214	259	2.78	1.26
PAC-14x2.5x125	14.000	356	2.50	64	125	2.2	1239	563	3.991	101	10.009	254	2.86	1.30
PAC-14x2.5x130	14.000	356	2.50	64	130	2.3	1307	594	3.893	99	10.107	257	2.91	1.32
PAC-14x2.5x140	14.000	356	2.50	64	140	2.5	1384	629	4.178	106	9.822	249	3.24	1.47
PAC-14x2.5x150	14.000	356	2.50	64	150	2.7	1520	691	4.378	111	9.622	244	3.40	1.55
PAC-14x2.5x165	14.000	356	2.50	64	165	2.9	1588	722	4.373	111	9.627	245	3.59	1.63
PAC-14x2.5x175	14.000	356	2.50	64	175	3.1	1725	784	4.584	116	9.4165	239	3.43	1.56
PAC-14x2.5x185	14.000	356	2.50	64	185	3.3	1783	811	4.727	120	9.273	236	3.56	1.62
PAC-14x2.5x200	14.000	356	2.50	64	200	3.6	1904	865	4.928	125	9.072	230	4.37	1.99
PAC-14x2.5x225	14.000	356	2.50	64	225	4.0	2054	934	5.129	130	8.871	225	4.64	2.11
PAC-14x2.5x250	14.000	356	2.50	64	250	4.5	2288	1040	5.249	133	8.751	222	5.08	2.31
PAC-14x2.5x275	14.000	356	2.50	64	275	4.9	2513	1142	5.582	142	8.418	214	5.75	2.61
PAC-14x2.5x300	14.000	356	2.50	64	300	5.4	2597	1180	5.345	136	8.655	220	5.45	2.48
PAC-14x2.5x325	14.000	356	2.50	64	325	5.8	2794	1270	5.403	137	8.597	218	5.64	2.56



Part Number	Nominal Free Length		Nominal Inside Diameter		Spring Rate		Load @ Coil Bind		Coil Bind Height		Free Length to Coil Bind Travel		Spring Weight	
	(in)	(mm)	(in)	(mm)	(lbs/in)	(kg/mm)	(lbs)	(kg)	(in)	(mm)	(in)	(mm)	(lbs)	(kg)
<b>14" TALL (cont'd)</b>														
PAC-14x2.5x350	14.000	356	2.50	64	350	6.2	2981	1355	5.766	146	8.234	209	5.74	2.61
PAC-14x2.5x375	14.000	356	2.50	64	375	6.7	3158	1436	5.849	149	8.151	207	5.92	2.69
PAC-14x2.5x400	14.000	356	2.50	64	400	7.1	3324	1511	5.901	150	8.099	206	6.30	2.86
PAC-14x2.5x425	14.000	356	2.50	64	425	7.6	3478	1581	6.104	155	7.896	201	6.57	2.99
PAC-14x2.5x450	14.000	356	2.50	64	450	8.0	3620	1646	6.034	153	7.966	202	6.93	3.15
PAC-14x2.5x475	14.000	356	2.50	64	475	8.5	3750	1705	6.105	155	7.895	201	7.30	3.32
PAC-14x2.5x500	14.000	356	2.50	64	500	8.9	3867	1758	6.267	159	7.733	196	7.56	3.44
PAC-14x2.5x525	14.000	356	2.50	64	525	9.4	4206	1912	5.989	152	8.011	203	8.82	4.01
PAC-14x2.5x550	14.000	356	2.50	64	550	9.8	4059	1845	6.620	168	7.38	187	8.84	4.02
PAC-14x2.5x575	14.000	356	2.50	64	575	10.3	4133	1879	6.812	173	7.188	183	8.98	4.08
PAC-14x2.5x600	14.000	356	2.50	64	600	10.7	4472	2033	6.546	166	7.454	189	8.54	3.88
PAC-14x2.5x625	14.000	356	2.50	64	625	11.2	4532	2060	6.749	171	7.251	184	8.98	4.08
PAC-14x2.5x650	14.000	356	2.50	64	650	11.6	4870	2214	6.507	165	7.493	190	8.66	3.94
PAC-14x2.5x675	14.000	356	2.50	64	675	12.1	4914	2234	6.720	171	7.28	185	9.13	4.15
PAC-14x2.5x700	14.000	356	2.50	64	700	12.5	4941	2246	6.941	176	7.059	179	9.62	4.37
PAC-14x2.5x750	14.000	356	2.50	64	750	13.4	4946	2248	7.406	188	6.594	167	10.67	4.85
PAC-14x2.5x800	14.000	356	2.50	64	800	14.3	5622	2556	6.972	177	7.028	179	10.04	4.56
PAC-14x2.5x900	14.000	356	2.50	64	900	16.1	5831	2651	7.521	191	6.479	165	11.46	5.21
PAC-14x2.5x1000	14.000	356	2.50	64	1000	17.9	5862	2665	8.138	207	5.862	149	13.08	5.95
<b>16" TALL</b>														
PAC-16x2.5x85	16.000	406	2.50	64	85	2.7	1012	460	4.099	104	11.901	302	2.80	1.27
PAC-16x2.5x100	16.000	406	2.50	64	100	1.8	1098	499	4.688	119	11.312	287	3.64	1.65
PAC-16X2.5X125	16.000	406	2.50	64	125	2.2	1310	596	5.518	140	10.482	266	4.60	2.09
PAC-16x2.5x150	16.000	406	2.50	64	150	2.7	1607	730	4.820	122	11.18	284	4.28	1.95
PAC-16X2.5X175	16.000	406	2.50	64	175	3.1	1749	795	6.001	152	9.9993	254	5.59	2.54
PAC-16x2.5x200	16.000	406	2.50	64	200	3.6	2114	961	4.893	124	11.107	282	5.13	2.33
PAC-16x2.5x225	16.000	406	2.50	64	225	4.0	2160	982	6.452	164	9.548	243	6.38	2.90
PAC-16x2.5x250	16.000	406	2.50	64	250	4.5	2550	1159	4.961	126	11.039	280	6.24	2.84
PAC-16x2.5x300	16.000	406	2.50	64	300	5.4	2902	1319	5.004	127	10.996	279	6.98	3.17
PAC-16x2.5x350	16.000	406	2.50	64	350	6.2	3345	1520	6.443	164	9.557	243	7.23	3.29
PAC-16x2.5x400	16.000	406	2.50	64	400	7.1	3742	1701	6.646	169	9.354	238	7.80	3.55
PAC-16x2.5x450	16.000	406	2.50	64	450	8.0	4088	1858	6.915	176	9.085	231	8.48	3.85
PAC-16x2.5x500	16.000	406	2.50	64	500	8.9	4117	1871	7.767	197	8.233	209	10.14	4.61
PAC-16x2.5x550	16.000	406	2.50	64	550	9.8	4615	2098	7.609	193	8.391	213	10.14	4.61
PAC-16x2.5x600	16.000	406	2.50	64	600	10.7	4787	2176	8.022	204	7.978	203	11.12	5.06
PAC-16X2.5X650	16.000	406	2.50	64	650	11.6	4891	2223	8.475	215	7.525	191	12.12	5.51
PAC-16x2.5x700	16.000	406	2.50	64	700	12.5	4525	2057	9.586	243	6.414	163	14.53	6.60
<b>18" TALL</b>														
PAC-18x2.5x100	18.000	457	2.50	64	100	1.8	1239	563	5.610	142	12.39	315	4.42	2.01
PAC-18x2.5x150	18.000	457	2.50	64	150	2.7	1732	787	6.454	164	11.546	293	5.81	2.64
PAC-18x2.5x200	18.000	457	2.50	64	200	3.6	2170	986	7.152	182	10.848	276	7.14	3.25
PAC-18x2.5x225	18.000	457	2.50	64	225	4.0	2335	1061	7.622	194	10.378	264	7.99	3.63
PAC-18x2.5x250	18.000	457	2.50	64	250	4.5	2623	1192	7.509	191	10.491	266	8.06	3.66
PAC-18x2.5x300	18.000	457	2.50	64	300	5.4	2981	1355	8.064	205	9.936	252	9.27	4.22
PAC-18x2.5x350	18.000	457	2.50	64	350	6.2	3453	1570	8.133	207	9.867	251	9.77	4.44
PAC-18x2.5x400	18.000	457	2.50	64	400	7.1	3874	1761	8.315	211	9.685	246	10.42	4.74
PAC-18x2.5x450	18.000	457	2.50	64	450	8.0	4239	1927	8.581	218	9.419	239	11.21	5.10
PAC-18x2.5x500	18.000	457	2.50	64	500	8.9	4543	2065	8.915	226	9.085	231	12.13	5.51

# Suspension Spring Listings

## 3.0 ID COIL OVER

Part Number	Nominal Free Length		Nominal Inside Diameter		Spring Rate		Load @ Coil Bind		Coil Bind Height		Free Length to Coil Bind Travel		Spring Weight	
	(in)	(mm)	(in)	(mm)	(lbs/in)	(kg/mm)	(lbs)	(kg)	(in)	(mm)	(in)	(mm)	(lbs)	(kg)
<b>6" TALL</b>														
PAC-6x3x250	6.000	152	3.00	76	250	4.5	1081	491	1.722	44	4.278	109	1.46	0.66
<b>8" TALL</b>														
PAC-8x3x100	8.000	203	3.00	76	100	1.8	654	297	1.458	37	6.542	166	0.95	0.43
PAC-8x3x150	8.000	203	3.00	76	150	2.7	949	432	1.671	42	6.329	161	1.27	0.58
PAC-8x3x200	8.000	203	3.00	76	200	3.6	1158	526	2.209	56	5.791	147	2.01	0.91
PAC-8x3x250	8.000	203	3.00	76	250	4.5	1445	657	2.222	56	5.778	147	2.14	0.97
PAC-8x3x300	8.000	203	3.00	76	300	5.4	1713	779	2.290	58	5.71	145	2.34	1.06
PAC-8x3x350	8.000	203	3.00	76	350	6.2	1904	865	2.560	65	5.44	138	2.86	1.30
<b>10" TALL</b>														
PAC-10x3x80	10.000	254	3.00	76	80	1.4	626	285	2.226	57	7.774	197	1.59	0.72
PAC-10x3x90	10.000	254	3.00	76	90	1.6	699	318	2.288	58	7.712	196	1.69	0.77
PAC-10x3x100	10.000	254	3.00	76	100	1.8	816	371	1.845	47	8.155	207	1.32	0.60
PAC-10x3x150	10.000	254	3.00	76	150	2.7	1118	508	2.545	65	7.455	189	2.27	1.03
PAC-10x3x200	10.000	254	3.00	76	200	3.6	1464	665	2.681	68	7.319	186	2.61	1.19
PAC-10x3x250	10.000	254	3.00	76	250	4.5	1770	804	2.922	74	7.078	180	3.10	1.41
PAC-10X3X325	10.000	254	3.00	76	325	5.8	2202	1001	3.224	82	6.776	172	3.45	1.57
PAC-10X3X800	10.000	254	3.00	76	800	14.3	4834	2197	3.957	101	6.043	153	5.70	2.59
<b>12" TALL</b>														
PAC-12x3x100	12.000	305	3.00	76	100	1.8	939	427	2.606	66	9.394	239	2.12	0.96
PAC-12x3x150	12.000	305	3.00	76	150	2.7	1332	605	3.120	79	8.88	226	2.97	1.35
PAC-12x3x175	12.000	305	3.00	76	175	3.1	1520	691	3.315	84	8.685	221	3.34	1.52
PAC-12x3x200	12.000	305	3.00	76	200	3.6	1752	796	3.240	82	8.76	223	3.35	1.52
PAC-12x3x225	12.000	305	3.00	76	225	4.0	1979	900	3.203	81	8.797	223	3.40	1.55
PAC-12x3x250	12.000	305	3.00	76	250	4.5	2128	967	3.751	95	8.249	210	4.43	2.01
PAC-12x3x275	12.000	305	3.00	76	275	4.9	2339	1063	3.496	89	8.504	216	4.02	1.83
PAC-12x3x300	12.000	305	3.00	76	300	5.4	2354	1070	4.155	106	7.845	199	5.15	2.34
PAC-12x3x350	12.000	305	3.00	76	350	6.2	2715	1234	4.242	108	7.758	197	5.51	2.50
PAC-12x3x400	12.000	305	3.00	76	400	7.1	3046	1385	4.384	111	7.616	193	5.53	2.51
PAC-12x3x450	12.000	305	3.00	76	450	8.0	3344	1520	4.569	116	7.431	189	6.48	2.94
PAC-12x3x500	12.000	305	3.00	76	500	8.9	3606	1639	4.789	122	7.211	183	7.08	3.22
<b>14" TALL</b>														
PAC-14x3x75	14.000	356	3.00	76	75	1.3	852	387	2.942	75	11.058	281	2.01	0.91
PAC-14x3x100	14.000	356	3.00	76	100	1.8	1074	488	3.256	83	10.744	273	2.84	1.29
PAC-14x3x125	14.000	356	3.00	76	125	2.2	1336	607	3.309	84	10.691	272	3.07	1.39
PAC-14x3x150	14.000	356	3.00	76	150	2.7	1472	669	4.189	106	9.811	249	4.37	1.99
PAC-14x3x175	14.000	356	3.00	76	175	3.1	1749	795	4.006	102	9.994	254	4.28	1.95
PAC-14x3x200	14.000	356	3.00	76	200	3.6	1932	878	4.338	110	9.662	245	4.91	2.23
PAC-14x3x225	14.000	356	3.00	76	225	4.0	2124	965	4.562	116	9.438	240	5.40	2.46
PAC-14x3x250	14.000	356	3.00	76	250	4.5	2372	1078	4.047	103	9.9535	253	5.47	2.49
PAC-14x3x275	14.000	356	3.00	76	275	4.9	2509	1140	4.877	124	9.123	232	6.20	2.82
PAC-14x3x300	14.000	356	3.00	76	300	5.4	2736	1244	4.879	124	9.121	232	6.35	2.89
PAC-14x3x350	14.000	356	3.00	76	350	6.2	3168	1440	4.950	126	9.05	230	6.73	3.06
PAC-14x3x400	14.000	356	3.00	76	400	7.1	3412	1551	5.470	139	8.53	217	7.94	3.61

Part Number	Nominal Free Length		Nominal Inside Diameter		Spring Rate		Load @ Coil Bind		Coil Bind Height		Free Length to Coil BindTravel		Spring Weight	
	(in)	(mm)	(in)	(mm)	(lbs/in)	(kg/mm)	(lbs)	(kg)	(in)	(mm)	(in)	(mm)	(lbs)	(kg)
<b>14" TALL (cont'd)</b>														
PAC-14x3x450	14.000	356	3.00	76	450	8.0	3755	1707	5.656	144	8.344	212	8.55	3.89
PAC-14x3x500	14.000	356	3.00	76	500	8.9	4057	1844	5.887	150	8.113	206	9.26	4.21
PAC-14x3x550	14.000	356	3.00	76	550	9.8	4530	2059	5.763	146	8.237	209	9.24	4.20
PAC-14x3x650	14.000	356	3.00	76	650	11.6	4653	2115	6.891	175	7.109	181	7.16	3.25
<b>16" TALL</b>														
PAC-16x3x75	16.000	406	3.00	76	75	1.3	949	431	3.353	85	12.647	321	3.16	1.44
PAC-16x3x100	16.000	406	3.00	76	100	1.8	1237	562	3.631	92	12.369	314	3.28	1.49
PAC-16x3x125	16.000	406	3.00	76	125	2.2	1493	678	4.060	103	11.94	303	4.01	1.82
PAC-16x3x150	16.000	406	3.00	76	150	2.7	1772	805	4.189	106	11.811	300	4.37	1.99
PAC-16x3x175	16.000	406	3.00	76	175	3.1	1943	883	4.900	124	11.1	282	5.56	2.53
PAC-16x3x200	16.000	406	3.00	76	200	3.6	2092	951	5.538	141	10.462	266	6.74	3.06
PAC-16x3x225	16.000	406	3.00	76	225	4.0	2384	1084	5.403	137	10.597	269	6.73	3.06
PAC-16x3x250	16.000	406	3.00	76	250	4.5	2669	1213	5.323	135	10.677	271	6.78	3.08
PAC-16x3x300	16.000	406	3.00	76	300	5.4	2953	1342	6.156	156	9.844	250	8.58	3.90
PAC-16x3x350	16.000	406	3.00	76	350	6.2	3587	1631	5.751	146	10.249	260	8.18	3.72
PAC-16x3x400	16.000	406	3.00	76	400	7.1	3877	1762	6.308	160	9.692	246	9.54	4.34
PAC-16x3x450	16.000	406	3.00	76	450	8.0	4279	1945	6.491	165	9.509	242	10.22	4.64
PAC-16x3x500	16.000	406	3.00	76	500	8.9	4638	2108	6.725	171	9.275	236	11.00	5.00
PAC-16x3x575	16.000	406	3.00	76	575	10.3	5696	2589	6.150	156	9.85	250	10.15	4.61
PAC-16x3x600	16.000	406	3.00	76	600	10.7	5474	2488	6.876	175	9.124	232	11.89	5.40
PAC-16x3x650	16.000	406	3.00	76	650	11.6	5709	2595	7.217	183	8.783	223	12.93	5.88
PAC-16x3x700	16.000	406	3.00	76	700	12.5	6194	2816	7.151	182	8.849	225	14.54	6.61
PAC-16x3x800	16.000	406	3.00	76	800	14.3	6785	3084	7.519	191	8.481	215	14.44	6.56
<b>18" TALL</b>														
PAC-18x3x75	18.000	457	3.00	76	75	1.3	1068	485	3.764	96	14.236	362	3.20	1.46
PAC-18x3x100	18.000	457	3.00	76	100	1.8	1351	614	4.490	114	13.51	343	4.32	1.96
PAC-18x3x150	18.000	457	3.00	76	150	2.7	1941	882	5.060	129	12.94	329	5.58	2.54
PAC-18x3x200	18.000	457	3.00	76	200	3.6	2492	1133	5.538	141	12.462	317	6.74	3.06
PAC-18x3x250	18.000	457	3.00	76	250	4.5	2938	1335	6.249	159	11.751	298	8.34	3.79
PAC-18x3x300	18.000	457	3.00	76	300	5.4	3409	1550	6.637	169	11.363	289	9.45	4.29
PAC-18x3x350	18.000	457	3.00	76	350	6.2	3799	1727	7.146	182	10.854	276	10.71	4.87
PAC-18x3x400	18.000	457	3.00	76	400	7.1	4098	1863	7.756	197	10.244	260	12.48	5.67
PAC-18x3x450	18.000	457	3.00	76	450	8.0	4534	2061	7.925	201	10.075	256	13.22	6.01
PAC-18x3x500	18.000	457	3.00	76	500	8.9	4657	2117	8.686	221	9.314	237	15.30	6.95
PAC-18x3x550	18.000	457	3.00	76	550	9.8	4660	2118	9.527	242	8.473	215	17.68	8.04
PAC-18x3x600	18.000	457	3.00	76	600	10.7	5536	2516	8.773	223	9.227	234	16.28	7.40
PAC-18x3x650	18.000	457	3.00	76	650	11.6	5407	2458	9.681	246	8.319	211	18.90	8.59
PAC-18x3x700	18.000	457	3.00	76	700	12.5	6283	2856	9.025	229	8.975	228	17.90	8.14
PAC-18x3x750	18.000	457	3.00	76	750	13.4	6009	2731	9.988	254	8.012	204	20.47	9.31
PAC-18x3x800	18.000	457	3.00	76	800	14.3	6884	3129	9.395	239	8.605	219	19.26	8.75
<b>20" TALL</b>														
PAC-20x3x600	20.000	508	3.00	76	600	10.7	6765	3075	9.593	244	10.407	264	18.73	8.51
PAC-20x3x650	20.000	508	3.00	76	650	11.6	6764	3075	9.593	244	10.407	264	18.73	8.51
PAC-20x3x700	20.000	508	3.00	76	700	12.5	7745	3520	8.936	227	11.064	281	17.45	7.93



# Suspension Spring Listings

## 3.75 ID COIL OVER

Part Number	Nominal Free Length		Nominal Inside Diameter		Spring Rate		Load @ Coil Bind		Coil Bind Height		Free Length to Coil Bind Travel		Spring Weight	
	(in)	(mm)	(in)	(mm)	(lbs/in)	(kg/mm)	(lbs)	(kg)	(in)	(mm)	(in)	(mm)	(lbs)	(kg)
<b>12" TALL</b>														
PAC-12x3.75x100	12.000	305	3.75	95	100	1.8								Call For Pricing and Availability
PAC-12x3.75x125	12.000	305	3.75	95	125	2.2								Call For Pricing and Availability
PAC-12x3.75x150	12.000	305	3.75	95	150	2.7								Call For Pricing and Availability
PAC-12x3.75x250	12.000	305	3.75	95	250	4.5								Call For Pricing and Availability
PAC-12x3.75x350	12.000	305	3.75	95	350	6.2								Call For Pricing and Availability
PAC-12x3.75x450	12.000	305	3.75	95	450	8.0								Call For Pricing and Availability
PAC-12x3.75x500	12.000	305	3.75	95	500	8.9								Call For Pricing and Availability
PAC-12x3.75x550	12.000	305	3.75	95	550	9.8								Call For Pricing and Availability
<b>14" TALL</b>														
PAC-14x3.75x100	14.000	356	3.75	95	100	1.8								Call For Pricing and Availability
PAC-14x3.75x150	14.000	356	3.75	95	150	2.7								Call For Pricing and Availability
PAC-14x3.75x200	14.000	356	3.75	95	200	3.6								Call For Pricing and Availability
PAC-14x3.75x300	14.000	356	3.75	95	300	5.4								Call For Pricing and Availability
PAC-14x3.75x400	14.000	356	3.75	95	400	7.1								Call For Pricing and Availability
PAC-14x3.75x500	14.000	356	3.75	95	500	8.9								Call For Pricing and Availability
<b>16" TALL</b>														
PAC-16x3.75x300	16.000	406	3.75	95	300	5.4								Call For Pricing and Availability
PAC-16x3.75x350	16.000	406	3.75	95	350	6.2								Call For Pricing and Availability
PAC-16x3.75x400	16.000	406	3.75	95	400	7.1								Call For Pricing and Availability
PAC-16x3.75x450	16.000	406	3.75	95	450	8.0								Call For Pricing and Availability
PAC-16x3.75x500	16.000	406	3.75	95	500	8.9								Call For Pricing and Availability
PAC-16x3.75x600	16.000	406	3.75	95	600	10.7								Call For Pricing and Availability
PAC-16x3.75x700	16.000	406	3.75	95	700	12.5								Call For Pricing and Availability
PAC-16x3.75x800	16.000	406	3.75	95	800	14.3								Call For Pricing and Availability
PAC-16x3.75x900	16.000	406	3.75	95	900	16.1								Call For Pricing and Availability
PAC-16x3.75x1000	16.000	406	3.75	95	1000	17.9								Call For Pricing and Availability
<b>18" TALL</b>														
PAC-18x3.75x75	18.000	457	3.75	95	75	1.3								Call For Pricing and Availability
PAC-18x3.75x300	18.000	457	3.75	95	300	5.4								Call For Pricing and Availability
PAC-18x3.75x400	18.000	457	3.75	95	400	7.1								Call For Pricing and Availability
PAC-18x3.75x500	18.000	457	3.75	95	500	8.9								Call For Pricing and Availability
PAC-18x3.75x600	18.000	457	3.75	95	600	10.7								Call For Pricing and Availability
PAC-18x3.75x700	18.000	457	3.75	95	700	12.5								Call For Pricing and Availability
PAC-18x3.75x800	18.000	457	3.75	95	800	14.3								Call For Pricing and Availability
PAC-18x3.75x900	18.000	457	3.75	95	900	16.1								Call For Pricing and Availability
PAC-18x3.75x1000	18.000	457	3.75	95	1000	17.9								Call For Pricing and Availability

Part Number	Nominal Free Length		Nominal Inside Diameter		Spring Rate		Load @ Coil Bind		Coil Bind Height		Free Length to Coil Bind Travel		Spring Weight	
	(in)	(mm)	(in)	(mm)	(lbs/in)	(kg/mm)	(lbs)	(kg)	(in)	(mm)	(in)	(mm)	(lbs)	(kg)

### 20" TALL

PAC-20x3.75x300	20.000	508	3.75	95	300	5.4								Call For Pricing and Availability
PAC-20x3.75x400	20.000	508	3.75	95	400	7.1								Call For Pricing and Availability
PAC-20x3.75x500	20.000	508	3.75	95	500	8.9								Call For Pricing and Availability
PAC-20x3.75x600	20.000	508	3.75	95	600	10.7								Call For Pricing and Availability
PAC-20x3.75x700	20.000	508	3.75	95	700	12.5								Call For Pricing and Availability
PAC-20x3.75x800	20.000	508	3.75	95	800	14.3								Call For Pricing and Availability
PAC-20x3.75x900	20.000	508	3.75	95	900	16.1								Call For Pricing and Availability
PAC-20x3.75x1000	20.000	508	3.75	95	1000	17.9								Call For Pricing and Availability

### 22" TALL

PAC-22x3.75x250	22.000	559	3.75	95	250	4.5								Call For Pricing and Availability
PAC-22x3.75x300	22.000	559	3.75	95	300	5.4								Call For Pricing and Availability
PAC-22x3.75x400	22.000	559	3.75	95	400	7.1								Call For Pricing and Availability
PAC-22x3.75x500	22.000	559	3.75	95	500	8.9								Call For Pricing and Availability
PAC-22x3.75x600	22.000	559	3.75	95	600	10.7								Call For Pricing and Availability
PAC-22x3.75x700	22.000	559	3.75	95	700	12.5								Call For Pricing and Availability
PAC-22x3.75x800	22.000	559	3.75	95	800	14.3								Call For Pricing and Availability
PAC-22x3.75x900	22.000	559	3.75	95	900	16.1								Call For Pricing and Availability
PAC-22x3.75x1000	22.000	559	3.75	95	1000	17.9								Call For Pricing and Availability

### 24" TALL

PAC-24x3.75x225	24.000	610	3.75	95	225	4.0								Call For Pricing and Availability
PAC-24x3.75x300	24.000	610	3.75	95	300	5.4								Call For Pricing and Availability
PAC-24x3.75x475	24.000	610	3.75	95	475	8.5								Call For Pricing and Availability

### 26" TALL

PAC-26x3.75x450	26.000	660	3.75	95	450	8.0								Call For Pricing and Availability
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### 32" TALL

PAC-32x3.75x150	32.000	813	3.75	95	150	2.7								Call For Pricing and Availability
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### 36" TALL

PAC-36x3.75x175	36.000	914	3.75	95	175	3.1								Call For Pricing and Availability
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Mike Palmer's  
Baja 1000  
Trophy Truck

Equipped with custom 3.75 ID  
Suspension Springs





# JEEPSPEED SPRINGS

CHOOSE PAC FOR A WEIGHT SAVINGS OF NEAR 5 LBS OVER COMPETITION!

→ PAC Jeep Speed Springs

Competitor Springs

13.5 lbs

18 lbs



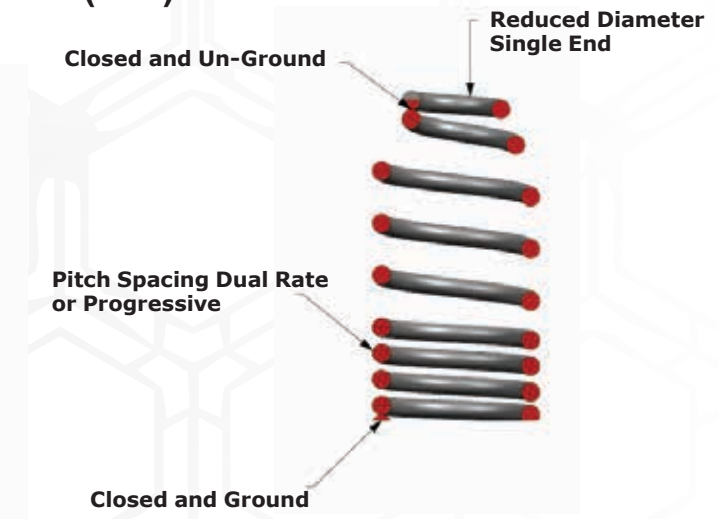
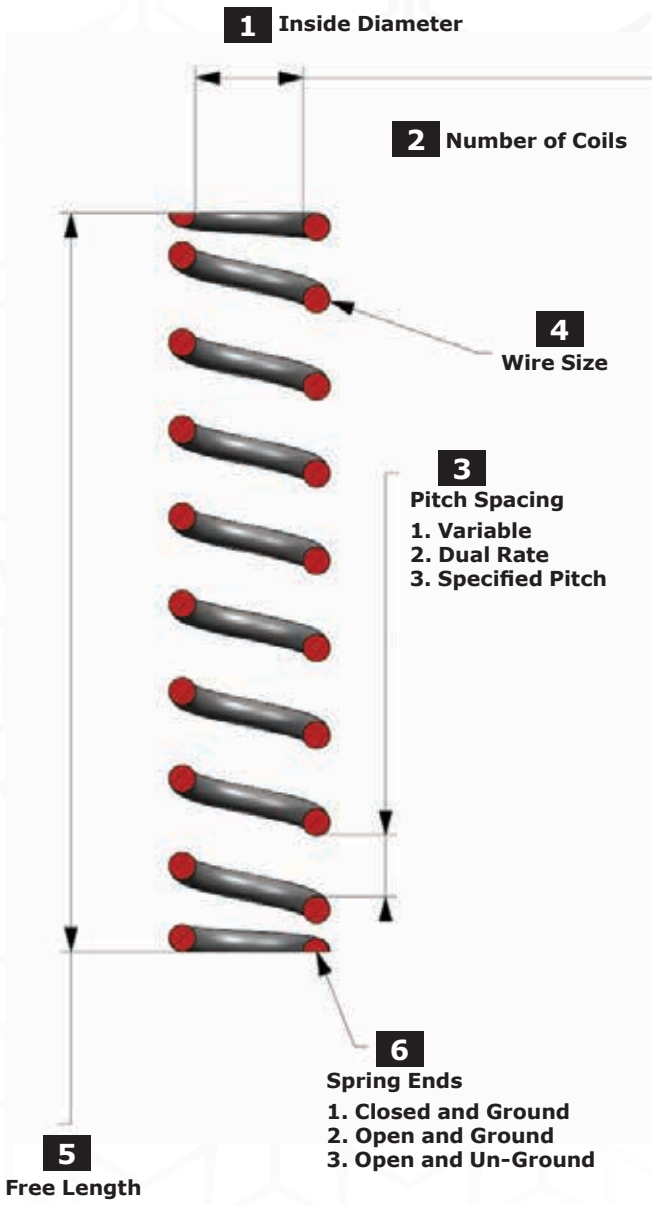
Part Number	Nominal Free Length	Nominal Inside Diameter (top)	Nominal Inside Diameter (bottom)	Linear Spring Rate	Coil Bind Height	Free Length to Coil Bind Travel (total)	Spring Weight	Rate Type	Lift Height (Est.)	Type and Comments
	(in)	(in)	(in)	(lbs/in)	(in)	(in)	(lbs)			
PAC-JP25x4.0x200P	25.000	2.530	4.04	200	9.50	15.500	17.3	Progressive	8.0 inch	Front Coil Spring for Jeep Vehicle (Race Use)
PAC-JP24x4.0x130P	24.000	2.530	4.04	130	8.38	15.620	13.3	Progressive	7.0 inch	Front Coil Spring for Jeep Vehicle (Race Use)
PAC-JP22x4.0x200P	22.000	2.530	4.04	200	9.500	12.500	17.3	Progressive	6.0 inch	Front Coil Spring for Jeep Vehicle (Race Use)
PAC-JP22x4.0x220P	22.000	2.530	4.04	220	8.400	13.600	14.9	Progressive	6.0 inch	Front Coil Spring for Jeep Vehicle (Race Use)
PAC-JP22x4.0x250P	22.000	2.530	4.04	250	7.600	14.400	13.3	Progressive	6.0 inch	Front Coil Spring for Jeep Vehicle (Race Use)
PAC-JP22x4.0x250L	22.000	2.530	4.04	250	7.100	14.900	12.2	Linear	6.0 inch	Front Coil Spring for Jeep Vehicle (Race Use)
PAC-JP22x4.0x180P	22.000	2.530	4.04	180	7.100	14.900	12.2	Progressive	6.0 inch	Front Coil Spring for Jeep Vehicle (Race Use)
PAC-JP22x4.0x165P	22.000	2.530	4.04	165	7.000	15.000	10.5	Progressive	4.0 inch	Front Coil Spring Can be used as ZJ Rear
PAC-JP20x4.0x200P	20.000	2.530	4.04	200	6.200	13.800	9.1	Progressive	4.0 inch	Front Coil Spring for Jeep Vehicle (Race Use)
PAC-JP20x4.0x250P	20.000	2.530	4.04	250	7.000	13.000	11.6	Progressive	4.0 inch	Front Coil Spring for Jeep Vehicle (Race Use)
PAC-JP18x4.0x200P	18.000	2.530	4.04	200	6.500	11.500	9.8	Progressive	2.0 inch	Front Coil Spring for Jeep Vehicle (Race Use)
PAC-JP18x4.0x250P	18.000	2.530	4.04	250	5.700	12.300	8.8	Progressive	2.0 inch	Front Coil Spring for Jeep Vehicle (Race Use)

Jeep is a registered trademark of the Chrysler Corporation



# CUSTOM SPRING DESIGN REQUEST FORM

**FAX TO:**  
**(248) 350-3206**



<b>1</b>	<b>Inside Diameter</b>	
<b>2</b>	<b>Number of Coils</b>	
<b>3</b>	<b>Pitch Spacing</b> (Circle Applicable)	
	1. Progressive	
	2. Multiple Rate	
	3. Specified Rate	
<b>4</b>	<b>Wire Size</b>	
<b>5</b>	<b>Free Length</b>	
<b>6</b>	<b>Spring Ends</b> (Circle Applicable)	
	1. Closed and Ground	
	2. Open and Ground	
	3. Open and Un-Ground	
<b>7</b>	<b>Spring Type</b> (Circle Applicable)	
	1. Straight Cylindrical	
	2. Single End Reduced Dia.	
	3. Double End Reduced Dia.	
<b>8</b>	<b>Material Type</b> (Circle Applicable)	
	1. Standard Spring Steel	
	2. Super High Tensile Alloy	
	3. High Temperature	
	4. Titanium	
	5. Shaped Wire	
<b>9</b>	Bind Height	
<b>10</b>	Application	
<b>11</b>	Spring Rate	
<b>12</b>	Target Pricing	

CONTACT NAME \_\_\_\_\_

COMPANY NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_

ZIP CODE \_\_\_\_\_ COUNTRY \_\_\_\_\_

PHONE NUMBER \_\_\_\_\_

FAX NUMBER \_\_\_\_\_

EMAIL ADDRESS \_\_\_\_\_

WEBSITE \_\_\_\_\_

**Additional Notes or Comments:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



LUCAS  
OIL PRODUCTS  
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FOX

SPIDERTRAX  
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Ron Davis  
Energy Products

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METHOD  
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Micro-Air  
overcamps

WAGNER

AMERICAN  
SALES

Brand-CAMC

WAGNER

JUNIOR'S

off-road



Proudly made in the U.S.A



# ***Racing Sway Bars***





# About PAC Sway Bars

## How to order:

PAC - SBHS - XX - XX - XX

Material

SBHS-Tomahawk™  
SBTi-Titanium

Spline  
Count

Turn  
Down  
Dia.

Overall  
Length

## Example:

PAC - SBHS - 40 - 150 - 40

40 Spline Sway Bar      1500 Active Dia.      40 inches long

## SWAY BAR PAC ADVANTAGE

PAC Racing Springs is a stand alone division of Peterson Spring which has been in business for over 100 years. **Peterson Spring is the largest family owned and privately held spring company in the United States.** While PAC Racing Springs specializes in valve springs, we have developed a substantial suspension spring product line, this product utilizes our technology from valve springs. PAC Racing Springs has world class engineering, materials, testing, manufacturing, and distribution systems that will react to your needs.

### WHY ARE PAC RACING SWAY BARS BETTER?

We demand the highest technology and best performance from our products-we work very diligently ensuring our designs, materials, and processing withstand all performance requirements. **Years of experience in high stressed valve springs and race engines, provides understanding on what it takes to manufacture a lighter, better performing sway bar.**

We validate these claims by testing the competition in our Dynamics Laboratory, setting baseline standards to exceed current sag (load loss), spring weight, and fatigue life. Cost is always a factor and with being a division of Peterson Spring, it allows for our metallurgists to demand the highest strength alloys, while leveraging our suppliers to meet market price demands.

• FK Rod Ends were selected because they cater to high stress racing applications. All rod ends are made in the USA, the way it should be!



• ARP Racing Products fasteners were also selected for their high performance reputation. If you race, you should be using ARP hardware to get you to the finish line.



### PAC QUALITY

- 5 Year limited warranty
- 30-40% stronger than 300M

### WHY DO WE POWDERCOAT?

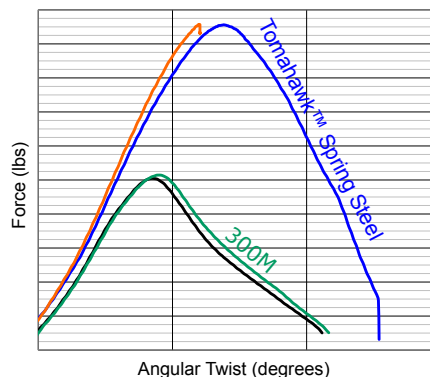
- We coat sway bars to prevent rust - rust pitting could cause bar failure.
- Better coating than paint with improved corrosion resistance - longer life.
- Thicker coating without runs or sags.
- Practically no waste from overspray.
- Less VOC's transmitted to environment - more environmentally friendly.

NEW BAR WITH POWDERCOAT



UNCOATED BAR AFTER ONE YEAR OF RACING

### TOMAHAWK™ SPRING STEEL 30-40% BETTER ULTIMATE TENSILE STRENGTH (UTS)



PAC Racing has performed extensive testing evaluating the strength of Tomahawk™ Steel vs. the previous industry standard for performance: 300M. Our results speak for themselves, and we provide a sway bar material that is stronger with better fatigue life at about the same cost!

— 300M Test 1  
— 300M Test 2  
— Tomahawk Steel Test 1  
— Tomahawk Steel Test 2

All Sway Bars come with thread for cap

## 45 SPLINE

1.900 Major Dia.  
1.750 Max Active  
Special Order

## 40 SPLINE

1.750 Major Dia.  
1.625 Max Active  
Special Order

## 35 SPLINE

1.500 Major Dia.  
1.375 Max Active

## 28 SPLINE

1.200 Major Dia.  
1.100 Max Active

## GUN DRILL

Option available  
35 thru 45 Spline  
Special Order



Gun Drilled  
Retainment Washer

Standard  
Retainment  
Washer



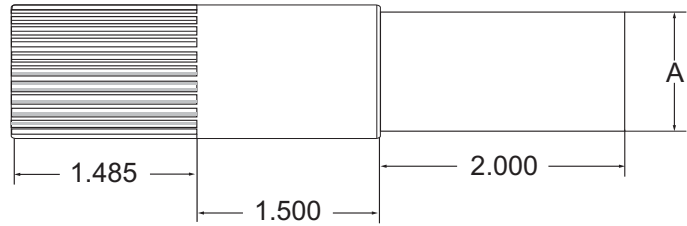
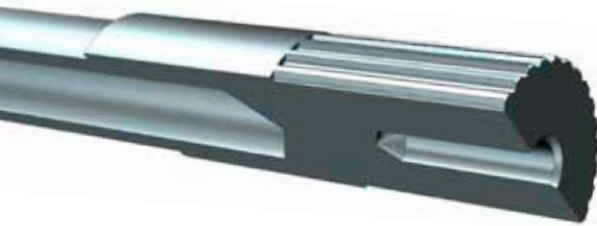
# CHROME MOLY TUBING SWAY BARS

## Make your own Sway Bar!

Chrome Moly DOM Tubing



TUBE INSERTS				
Part Number	Tubing OD	Tubing ID (DIM A)	Tubing Wall Thickness	Spline
<b>28 Spline</b>				
PAC-SBDOM-28-120	1.250	1.005	0.120	28
PAC-SBDOM-28-088	1.250	1.080	0.088	28
<b>35 Spline</b>				
PAC-SBDOM-35-120	1.500	1.260	0.120	35
PAC-SBDOM-35-088	1.500	1.335	0.088	35



## DOM SWAY BAR TECHNICAL DATA

Part Number	lb-ft-in (divide by bar length for torque)	Not Recommended Unless Heat Treated		Recommended Without Heat Treat			
		12" length twisted 10 deg (ft-lbs)	18" length twisted 10 deg (ft-lbs)	24" length twisted 10 deg (ft-lbs)	30" length twisted 10 deg (ft-lbs)	36" length twisted 10 deg (ft-lbs)	42" length twisted 10 deg (ft-lbs)
PAC-DOM125-120	23402	1950	1300	975	780	650	557
PAC-DOM125-088	18559	1547	1031	773	619	516	442
PAC-DOM150-120	42468	3539	2359	1770	1416	1180	1011
PAC-DOM150-088	33239	2770	1847	1385	1108	923	791

### DOM Tubing By the Foot

- PAC-DOM125-120
- PAC-DOM125-088
- PAC-DOM150-120
- PAC-DOM150-088

\*\*\* Note when ordering specify QTY for length  
(example PAC-DOM125-120 Qty 3 Equals 3 ft)





# 28 SPLINE TOMAHAK™ STEEL SWAY BARS

Part number includes small package of loctite, custom fender washers and ARP flanged head cap screws for the end of the sway bar.

## 0.750" ACTIVE DIAMETER BARS

Part No. (For Titanium, Substitute TI for HS)	OAL	Mounting Width	Active Diameter	Bushing Width
PAC-SBHS-28-75-30	30.0	27.0	0.750	2.00
PAC-SBHS-28-75-31	31.0	28.0	0.750	2.00
PAC-SBHS-28-75-32	32.0	29.0	0.750	2.00
PAC-SBHS-28-75-33	33.0	30.0	0.750	2.00
PAC-SBHS-28-75-34	34.0	31.0	0.750	2.00
PAC-SBHS-28-75-35	35.0	32.0	0.750	2.00
PAC-SBHS-28-75-36	36.0	33.0	0.750	2.00
PAC-SBHS-28-75-37	37.0	34.0	0.750	2.00
PAC-SBHS-28-75-38	38.0	35.0	0.750	2.00
PAC-SBHS-28-75-39	39.0	36.0	0.750	2.00
PAC-SBHS-28-75-40	40.0	37.0	0.750	2.00
PAC-SBHS-28-75-41	41.0	38.0	0.750	2.00
PAC-SBHS-28-75-42	42.0	39.0	0.750	2.00
PAC-SBHS-28-75-43	43.0	40.0	0.750	2.00
PAC-SBHS-28-75-44	44.0	41.0	0.750	2.00
PAC-SBHS-28-75-45	45.0	42.0	0.750	2.00
PAC-SBHS-28-75-46	46.0	43.0	0.750	2.00
PAC-SBHS-28-75-47	47.0	44.0	0.750	2.00
PAC-SBHS-28-75-48	48.0	45.0	0.750	2.00
PAC-SBHS-28-75-49	49.0	46.0	0.750	2.00
PAC-SBHS-28-75-50	50.0	47.0	0.750	2.00

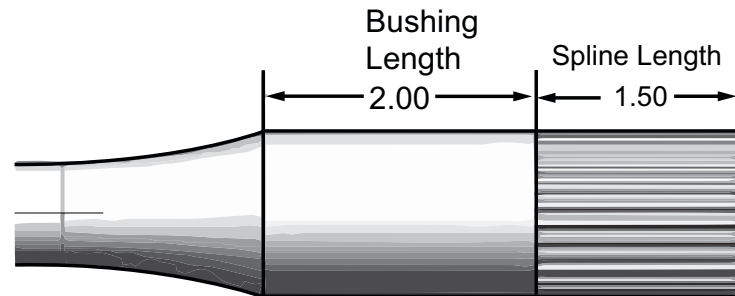
## 0.875" ACTIVE DIAMETER BARS

Part No. (For Titanium, Substitute TI for HS)	OAL	Mounting Width	Active Diameter	Bushing Width
PAC-SBHS-28-875-30	30.0	27.0	0.875	2.00
PAC-SBHS-28-875-31	31.0	28.0	0.875	2.00
PAC-SBHS-28-875-32	32.0	29.0	0.875	2.00
PAC-SBHS-28-875-33	33.0	30.0	0.875	2.00
PAC-SBHS-28-875-34	34.0	31.0	0.875	2.00
PAC-SBHS-28-875-35	35.0	32.0	0.875	2.00
PAC-SBHS-28-875-36	36.0	33.0	0.875	2.00
PAC-SBHS-28-875-37	37.0	34.0	0.875	2.00
PAC-SBHS-28-875-38	38.0	35.0	0.875	2.00
PAC-SBHS-28-875-39	39.0	36.0	0.875	2.00
PAC-SBHS-28-875-40	40.0	37.0	0.875	2.00
PAC-SBHS-28-875-41	41.0	38.0	0.875	2.00
PAC-SBHS-28-875-42	42.0	39.0	0.875	2.00
PAC-SBHS-28-875-43	43.0	40.0	0.875	2.00
PAC-SBHS-28-875-44	44.0	41.0	0.875	2.00
PAC-SBHS-28-875-45	45.0	42.0	0.875	2.00
PAC-SBHS-28-875-46	46.0	43.0	0.875	2.00
PAC-SBHS-28-875-47	47.0	44.0	0.875	2.00
PAC-SBHS-28-875-48	48.0	45.0	0.875	2.00
PAC-SBHS-28-875-49	49.0	46.0	0.875	2.00
PAC-SBHS-28-875-50	50.0	47.0	0.875	2.00

## 1.000" ACTIVE DIAMETER BARS

Part No. (For Titanium, Substitute TI for HS)	OAL	Mounting Width	Active Diameter	Bushing Width
PAC-SBHS-28-100-30	30.0	27.0	1.00	2.00
PAC-SBHS-28-100-31	31.0	28.0	1.00	2.00
PAC-SBHS-28-100-32	32.0	29.0	1.00	2.00
PAC-SBHS-28-100-33	33.0	30.0	1.00	2.00
PAC-SBHS-28-100-34	34.0	31.0	1.00	2.00
PAC-SBHS-28-100-35	35.0	32.0	1.00	2.00
PAC-SBHS-28-100-36	36.0	33.0	1.00	2.00
PAC-SBHS-28-100-37	37.0	34.0	1.00	2.00
PAC-SBHS-28-100-38	38.0	35.0	1.00	2.00
PAC-SBHS-28-100-39	39.0	36.0	1.00	2.00
PAC-SBHS-28-100-40	40.0	37.0	1.00	2.00
PAC-SBHS-28-100-41	41.0	38.0	1.00	2.00
PAC-SBHS-28-100-42	42.0	39.0	1.00	2.00
PAC-SBHS-28-100-43	43.0	40.0	1.00	2.00
PAC-SBHS-28-100-44	44.0	41.0	1.00	2.00
PAC-SBHS-28-100-45	45.0	42.0	1.00	2.00
PAC-SBHS-28-100-46	46.0	43.0	1.00	2.00
PAC-SBHS-28-100-47	47.0	44.0	1.00	2.00
PAC-SBHS-28-100-48	48.0	45.0	1.00	2.00
PAC-SBHS-28-100-49	49.0	46.0	1.00	2.00
PAC-SBHS-28-100-50	50.0	47.0	1.00	2.00

28 SPLINE



PAC Racing selected the highest quality hardware available for the bolts in the end of the sway bar. ARP has years of racing experience to get you to the finish line!

## 28 SPLINE TOMAHAWK™ STEEL SWAY BAR TECHNICAL DATA

Part Number	Overall Length (in)	Weight (lbs)	Stiffness (lb-ft/deg)	30 Degree Twist					45 Degree Twist					60 Degree Twist				
				12" Link Arm Reaction Force (Lbs)	15" Link Arm Reaction Force (Lbs)	18" Link Arm Reaction Force (Lbs)	21" Link Arm Reaction Force (Lbs)	24" Link Arm Reaction Force (Lbs)	12" Link Arm Reaction Force (Lbs)	15" Link Arm Reaction Force (Lbs)	18" Link Arm Reaction Force (Lbs)	21" Link Arm Reaction Force (Lbs)	24" Link Arm Reaction Force (Lbs)	12" Link Arm Reaction Force (Lbs)	15" Link Arm Reaction Force (Lbs)	18" Link Arm Reaction Force (Lbs)	21" Link Arm Reaction Force (Lbs)	24" Link Arm Reaction Force (Lbs)
<b>0.750" ACTIVE DIAMETER 28 SPLINE SWAY BAR</b>																		
PAC-SBHS-28-75-30	30.0	5.1	23.90	717	574	478	410	358	1075	860	717	614	538	1434	1147	956	819	717
PAC-SBHS-28-75-31	31.0	5.2	22.86	686	549	457	392	343	1029	823	686	588	514	1372	1097	915	784	686
PAC-SBHS-28-75-32	32.0	5.3	21.92	657	526	438	376	329	986	789	657	564	493	1315	1052	877	751	657
PAC-SBHS-28-75-33	33.0	5.5	21.04	631	505	421	361	316	947	758	631	541	473	1263	1010	842	721	631
PAC-SBHS-28-75-34	34.0	5.6	20.24	607	486	405	347	304	911	729	607	520	455	1214	971	809	694	607
PAC-SBHS-28-75-35	35.0	5.7	19.49	585	468	390	334	292	877	702	585	501	439	1169	936	780	668	585
PAC-SBHS-28-75-36	36.0	5.8	18.80	564	451	376	322	282	846	677	564	483	423	1128	902	752	645	564
PAC-SBHS-28-75-37	37.0	6.0	18.15	545	436	363	311	272	817	653	545	467	408	1089	871	726	622	545
PAC-SBHS-28-75-38	38.0	6.1	17.55	526	421	351	301	263	790	632	526	451	395	1053	842	702	602	526
PAC-SBHS-28-75-39	39.0	6.2	16.99	510	408	340	291	255	764	611	510	437	382	1019	815	679	582	510
PAC-SBHS-28-75-40	40.0	6.3	16.46	494	395	329	282	247	741	592	494	423	370	987	790	658	564	494
PAC-SBHS-28-75-41	41.0	6.5	15.96	479	383	319	274	239	718	575	479	410	359	958	766	638	547	479
PAC-SBHS-28-75-42	42.0	6.6	15.49	465	372	310	266	232	697	558	465	398	349	930	744	620	531	465
PAC-SBHS-28-75-43	43.0	6.7	15.05	452	361	301	258	226	677	542	452	387	339	903	722	602	516	452
PAC-SBHS-28-75-44	44.0	6.9	14.63	439	351	293	251	220	659	527	439	376	329	878	702	585	502	439
PAC-SBHS-28-75-45	45.0	7.0	14.24	427	342	285	244	214	641	513	427	366	320	854	684	570	488	427
PAC-SBHS-28-75-46	46.0	7.1	13.87	416	333	277	238	208	624	499	416	357	312	832	666	555	475	416
PAC-SBHS-28-75-47	47.0	7.2	13.51	405	324	270	232	203	608	486	405	347	304	811	649	540	463	405
PAC-SBHS-28-75-48	48.0	7.4	13.18	395	316	264	226	198	593	474	395	339	296	791	632	527	452	395
PAC-SBHS-28-75-49	49.0	7.5	12.86	386	309	257	220	193	578	463	386	331	289	771	617	514	441	386
PAC-SBHS-28-75-50	50.0	7.6	12.55	376	301	251	215	188	565	452	376	323	282	753	602	502	430	376
<b>0.875" ACTIVE DIAMETER 28 SPLINE SWAY BAR</b>																		
PAC-SBHS-28-875-30	30.0	6.1	43.72	1312	1049	874	749	656	1967	1574	1312	1124	984	2623	2098	1749	1499	1312
PAC-SBHS-28-875-31	31.0	6.3	41.85	1256	1004	837	717	628	1883	1507	1256	1076	942	2511	2009	1674	1435	1256
PAC-SBHS-28-875-32	32.0	6.5	40.14	1204	963	803	688	602	1806	1445	1204	1032	903	2408	1926	1605	1376	1204
PAC-SBHS-28-875-33	33.0	6.7	38.55	1157	925	771	661	578	1735	1388	1157	991	867	2313	1851	1542	1322	1157
PAC-SBHS-28-875-34	34.0	6.8	37.09	1113	890	742	636	556	1669	1335	1113	954	835	2226	1781	1484	1272	1113
PAC-SBHS-28-875-35	35.0	7.0	35.74	1072	858	715	613	536	1608	1287	1072	919	804	2144	1716	1430	1225	1072
PAC-SBHS-28-875-36	36.0	7.2	34.48	1034	828	690	591	517	1552	1241	1034	887	776	2069	1655	1379	1182	1034
PAC-SBHS-28-875-37	37.0	7.3	33.31	999	799	666	571	500	1499	1199	999	857	749	1999	1599	1332	1142	999
PAC-SBHS-28-875-38	38.0	7.5	32.21	966	773	644	552	483	1450	1160	966	828	725	1933	1546	1289	1104	966
PAC-SBHS-28-875-39	39.0	7.7	31.19	936	749	624	535	468	1403	1123	936	802	702	1871	1497	1248	1069	936
PAC-SBHS-28-875-40	40.0	7.9	30.23	907	725	605	518	453	1360	1088	907	777	680	1814	1451	1209	1036	907
PAC-SBHS-28-875-41	41.0	8.0	29.32	880	704	586	503	440	1319	1056	880	754	660	1759	1407	1173	1005	880
PAC-SBHS-28-875-42	42.0	8.2	28.47	854	683	569	488	427	1281	1025	854	732	641	1708	1366	1139	976	854
PAC-SBHS-28-875-43	43.0	8.4	27.66	830	664	553	474	415	1245	996	830	711	622	1660	1328	1107	948	830
PAC-SBHS-28-875-44	44.0	8.5	26.90	807	646	538	461	404	1211	969	807	692	605	1614	1291	1076	922	807
PAC-SBHS-28-875-45	45.0	8.7	26.18	786	628	524	449	393	1178	943	786	673	589	1571	1257	1047	898	786
PAC-SBHS-28-875-46	46.0	8.9	25.50	765	612	510	437	383	1148	918	765	656	574	1530	1224	1020	874	765
PAC-SBHS-28-875-47	47.0	9.0	24.86	746	597	497	426	373	1118	895	746	639	559	1491	1193	994	852	746
PAC-SBHS-28-875-48	48.0	9.2	24.24	727	582	485	416	364	1091	873	727	623	545	1454	1164	970	831	727
PAC-SBHS-28-875-49	49.0	9.4	23.65	710	568	473	406	355	1064	852	710	608	532	1419	1135	946	811	710
PAC-SBHS-28-875-50	50.0	9.6	23.10	693	554	462	396	346	1039	831	693	594	520	1386	1109	924	792	693

Note: For your specific or custom application, go online to [www.racingswaybars.com](http://www.racingswaybars.com) and use our online calculator.

Twist is defined as the angular deflection of the sway bar as one wheel moves relative to the other (eg. one at bump vs. the other at droop). Your wheel travel, link arm length, and radius rod length determine the amount of twist you will see. Calculator available online.

# 28 SPLINE TOMAHAWK™ STEEL SWAY BAR TECHNICAL DATA

Part Number	Overall Length (in)	Weight (lbs)	Stiffness (lb-ft/deg)	30 Degree Twist					45 Degree Twist					60 Degree Twist					
				12" Link Arm Reaction Force (Lbs)	15" Link Arm Reaction Force (Lbs)	18" Link Arm Reaction Force (Lbs)	21" Link Arm Reaction Force (Lbs)	24" Link Arm Reaction Force (Lbs)	12" Link Arm Reaction Force (Lbs)	15" Link Arm Reaction Force (Lbs)	18" Link Arm Reaction Force (Lbs)	21" Link Arm Reaction Force (Lbs)	24" Link Arm Reaction Force (Lbs)	12" Link Arm Reaction Force (Lbs)	15" Link Arm Reaction Force (Lbs)	18" Link Arm Reaction Force (Lbs)	21" Link Arm Reaction Force (Lbs)	24" Link Arm Reaction Force (Lbs)	
<b>1.000" ACTIVE DIAMETER 28 SPLINE SWAY BAR</b>																			
PAC-SBHS-28-100-30	30.0	7.4	73.47	2204	1763	1469	1259	1102	3306	2645	2204	1889	1653	4408	3526	2939	2519	2204	
PAC-SBHS-28-100-31	31.0	7.6	70.37	2111	1689	1407	1206	1056	3167	2533	2111	1810	1583	4222	3378	2815	2413	2111	
PAC-SBHS-28-100-32	32.0	7.8	67.53	2026	1621	1351	1158	1013	3039	2431	2026	1736	1519	4052	3241	2701	2315	2026	
PAC-SBHS-28-100-33	33.0	8.1	64.90	1947	1558	1298	1113	974	2921	2337	1947	1669	1460	3894	3115	2596	2225	1947	
PAC-SBHS-28-100-34	34.0	8.3	62.48	1874	1499	1250	1071	937	2811	2249	1874	1607	1406	3749	2999	2499	2142	1874	
PAC-SBHS-28-100-35	35.0	8.5	60.22	1807	1445	1204	1032	903	2710	2168	1807	1549	1355	3613	2891	2409	2065	1807	
PAC-SBHS-28-100-36	36.0	8.7	58.13	1744	1395	1163	997	872	2616	2093	1744	1495	1308	3488	2790	2325	1993	1744	
PAC-SBHS-28-100-37	37.0	9.0	56.17	1685	1348	1123	963	843	2528	2022	1685	1444	1264	3370	2696	2247	1926	1685	
PAC-SBHS-28-100-38	38.0	9.2	54.35	1630	1304	1087	932	815	2446	1957	1630	1398	1223	3261	2609	2174	1863	1630	
PAC-SBHS-28-100-39	39.0	9.4	52.64	1579	1263	1053	902	790	2369	1895	1579	1353	1184	3158	2526	2105	1805	1579	
PAC-SBHS-28-100-40	40.0	9.6	51.03	1531	1225	1021	875	765	2296	1837	1531	1312	1148	3062	2449	2041	1750	1531	
PAC-SBHS-28-100-41	41.0	9.8	49.52	1485	1188	990	849	743	2228	1783	1485	1273	1114	2971	2377	1981	1698	1485	
PAC-SBHS-28-100-42	42.0	10.1	48.09	1443	1154	962	824	721	2164	1731	1443	1237	1082	2885	2308	1924	1649	1443	
PAC-SBHS-28-100-43	43.0	10.3	46.74	1402	1122	935	801	701	2103	1683	1402	1202	1052	2805	2244	1870	1603	1402	
PAC-SBHS-28-100-44	44.0	10.5	45.47	1364	1091	909	780	682	2046	1637	1364	1169	1023	2728	2183	1819	1559	1364	
PAC-SBHS-28-100-45	45.0	10.7	44.27	1328	1062	885	759	664	1992	1594	1328	1138	996	2656	2125	1771	1518	1328	
PAC-SBHS-28-100-46	46.0	11.0	43.12	1294	1035	862	739	647	1941	1552	1294	1109	970	2587	2070	1725	1479	1294	
PAC-SBHS-28-100-47	47.0	11.2	42.04	1261	1009	841	721	631	1892	1513	1261	1081	946	2522	2018	1682	1441	1261	
PAC-SBHS-28-100-48	48.0	11.4	41.01	1230	984	820	703	615	1845	1476	1230	1054	923	2460	1968	1640	1406	1230	
PAC-SBHS-28-100-49	49.0	11.6	40.02	1201	961	800	686	600	1801	1441	1201	1029	901	2401	1921	1601	1372	1201	
PAC-SBHS-28-100-50	50.0	11.9	39.09	1173	938	782	670	586	1759	1407	1173	1005	879	2345	1876	1564	1340	1173	

**28 SPLINE**

Note: For your specific or custom application, go online to [www.racingswaybars.com](http://www.racingswaybars.com) and use our online calculator. Twist is defined as the angular deflection of the sway bar as one wheel moves relative to the other (eg. one at bump vs. the other at droop). Your wheel travel, link arm length, and radius rod length determine the amount of twist you will see. Calculator available online.

HAVE A **HOT ROD** PROJECT CAR?

PAC Racing Springs started manufacturing sway bars for the off road industry based on extremely demanding applications. The same high strength sway bars can now be used in your hot rod, pro-street, pro-touring, and drag race applications.

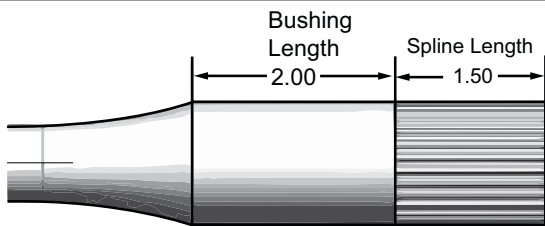


[WWW.HOTROD SERIES.COM](http://WWW.HOTROD SERIES.COM)

**CALL TODAY FOR MORE INFORMATION!**



# 35 SPLINE TOMAHAWK™ STEEL SWAY BARS



Part number includes small package of loctite, custom fender washers and ARP flanged head cap screws for the end of the sway bar.

## 0.875" Active Diameter Bars

Part Number	OAL	Mounting Width	Active Diameter	Bushing Width
PAC-SBHS-35-875-30	30.0	27.0	0.875	2.00
PAC-SBHS-35-875-31	31.0	28.0	0.875	2.00
PAC-SBHS-35-875-32	32.0	29.0	0.875	2.00
PAC-SBHS-35-875-33	33.0	30.0	0.875	2.00
PAC-SBHS-35-875-34	34.0	31.0	0.875	2.00
PAC-SBHS-35-875-35	35.0	32.0	0.875	2.00
PAC-SBHS-35-875-36	36.0	33.0	0.875	2.00
PAC-SBHS-35-875-37	37.0	34.0	0.875	2.00
PAC-SBHS-35-875-38	38.0	35.0	0.875	2.00
PAC-SBHS-35-875-39	39.0	36.0	0.875	2.00
PAC-SBHS-35-875-40	40.0	37.0	0.875	2.00
PAC-SBHS-35-875-41	41.0	38.0	0.875	2.00
PAC-SBHS-35-875-42	42.0	39.0	0.875	2.00
PAC-SBHS-35-875-43	43.0	40.0	0.875	2.00
PAC-SBHS-35-875-44	44.0	41.0	0.875	2.00
PAC-SBHS-35-875-45	45.0	42.0	0.875	2.00
PAC-SBHS-35-875-46	46.0	43.0	0.875	2.00
PAC-SBHS-35-875-47	47.0	44.0	0.875	2.00
PAC-SBHS-35-875-48	48.0	45.0	0.875	2.00
PAC-SBHS-35-875-49	49.0	46.0	0.875	2.00
PAC-SBHS-35-875-50	50.0	47.0	0.875	2.00

## 1.125" Active Diameter Bars

Part Number	OAL	Mounting Width	Active Diameter	Bushing Width
PAC-SBHS-35-112-30	30.0	27.0	1.125	2.00
PAC-SBHS-35-112-31	31.0	28.0	1.125	2.00
PAC-SBHS-35-112-32	32.0	29.0	1.125	2.00
PAC-SBHS-35-112-33	33.0	30.0	1.125	2.00
PAC-SBHS-35-112-34	34.0	31.0	1.125	2.00
PAC-SBHS-35-112-35	35.0	32.0	1.125	2.00
PAC-SBHS-35-112-36	36.0	33.0	1.125	2.00
PAC-SBHS-35-112-37	37.0	34.0	1.125	2.00
PAC-SBHS-35-112-38	38.0	35.0	1.125	2.00
PAC-SBHS-35-112-39	39.0	36.0	1.125	2.00
PAC-SBHS-35-112-40	40.0	37.0	1.125	2.00
PAC-SBHS-35-112-41	41.0	38.0	1.125	2.00
PAC-SBHS-35-112-42	42.0	39.0	1.125	2.00
PAC-SBHS-35-112-43	43.0	40.0	1.125	2.00
PAC-SBHS-35-112-44	44.0	41.0	1.125	2.00
PAC-SBHS-35-112-45	45.0	42.0	1.125	2.00
PAC-SBHS-35-112-46	46.0	43.0	1.125	2.00
PAC-SBHS-35-112-47	47.0	44.0	1.125	2.00
PAC-SBHS-35-112-48	48.0	45.0	1.125	2.00
PAC-SBHS-35-112-49	49.0	46.0	1.125	2.00
PAC-SBHS-35-112-50	50.0	47.0	1.125	2.00

## 1.000" Active Diameter Bars

Part Number	OAL	Mounting Width	Active Diameter	Bushing Width
PAC-SBHS-35-100-30	30.0	27.0	1.00	2.00
PAC-SBHS-35-100-31	31.0	28.0	1.00	2.00
PAC-SBHS-35-100-32	32.0	29.0	1.00	2.00
PAC-SBHS-35-100-33	33.0	30.0	1.00	2.00
PAC-SBHS-35-100-34	34.0	31.0	1.00	2.00
PAC-SBHS-35-100-35	35.0	32.0	1.00	2.00
PAC-SBHS-35-100-36	36.0	33.0	1.00	2.00
PAC-SBHS-35-100-37	37.0	34.0	1.00	2.00
PAC-SBHS-35-100-38	38.0	35.0	1.00	2.00
PAC-SBHS-35-100-39	39.0	36.0	1.00	2.00
PAC-SBHS-35-100-40	40.0	37.0	1.00	2.00
PAC-SBHS-35-100-41	41.0	38.0	1.00	2.00
PAC-SBHS-35-100-42	42.0	39.0	1.00	2.00
PAC-SBHS-35-100-43	43.0	40.0	1.00	2.00
PAC-SBHS-35-100-44	44.0	41.0	1.00	2.00
PAC-SBHS-35-100-45	45.0	42.0	1.00	2.00
PAC-SBHS-35-100-46	46.0	43.0	1.00	2.00
PAC-SBHS-35-100-47	47.0	44.0	1.00	2.00
PAC-SBHS-35-100-48	48.0	45.0	1.00	2.00
PAC-SBHS-35-100-49	49.0	46.0	1.00	2.00
PAC-SBHS-35-100-50	50.0	47.0	1.00	2.00

## 1.250" Active Diameter Bars

Part Number	OAL	Mounting Width	Active Diameter	Bushing Width
PAC-SBHS-35-125-30	30.0	27.0	1.250	2.00
PAC-SBHS-35-125-31	31.0	28.0	1.250	2.00
PAC-SBHS-35-125-32	32.0	29.0	1.250	2.00
PAC-SBHS-35-125-33	33.0	30.0	1.250	2.00
PAC-SBHS-35-125-34	34.0	31.0	1.250	2.00
PAC-SBHS-35-125-35	35.0	32.0	1.250	2.00
PAC-SBHS-35-125-36	36.0	33.0	1.250	2.00
PAC-SBHS-35-125-37	37.0	34.0	1.250	2.00
PAC-SBHS-35-125-38	38.0	35.0	1.250	2.00
PAC-SBHS-35-125-39	39.0	36.0	1.250	2.00
PAC-SBHS-35-125-40	40.0	37.0	1.250	2.00
PAC-SBHS-35-125-41	41.0	38.0	1.250	2.00
PAC-SBHS-35-125-42	42.0	39.0	1.250	2.00
PAC-SBHS-35-125-43	43.0	40.0	1.250	2.00
PAC-SBHS-35-125-44	44.0	41.0	1.250	2.00
PAC-SBHS-35-125-45	45.0	42.0	1.250	2.00
PAC-SBHS-35-125-46	46.0	43.0	1.250	2.00
PAC-SBHS-35-125-47	47.0	44.0	1.250	2.00
PAC-SBHS-35-125-48	48.0	45.0	1.250	2.00
PAC-SBHS-35-125-49	49.0	46.0	1.250	2.00
PAC-SBHS-35-125-50	50.0	47.0	1.250	2.00

# 35 SPLINE TOMAHAWK™ STEEL SWAY BAR TECHNICAL DATA

Part Number	Overall Length (in)	Weight (lbs)	Stiffness (lb-ft/deg)	30 Degree Twist					45 Degree Twist					60 Degree Twist									
				12" Link Arm Reaction Force (Lbs)	15" Link Arm Reaction Force (Lbs)	18" Link Arm Reaction Force (Lbs)	21" Link Arm Reaction Force (Lbs)	24" Link Arm Reaction Force (Lbs)	12" Link Arm Reaction Force (Lbs)	15" Link Arm Reaction Force (Lbs)	18" Link Arm Reaction Force (Lbs)	21" Link Arm Reaction Force (Lbs)	24" Link Arm Reaction Force (Lbs)	12" Link Arm Reaction Force (Lbs)	15" Link Arm Reaction Force (Lbs)	18" Link Arm Reaction Force (Lbs)	21" Link Arm Reaction Force (Lbs)	24" Link Arm Reaction Force (Lbs)					
<b>1.125" ACTIVE DIAMETER 35 SPLINE SWAY BAR</b>																							
PAC-SBHS-35-112-30	30.0	9.6	120.06	3602	2881	2401	2058	1801	5402	4322	3602	3087	2701	<b>Overstress condition: stress will be greater than yield strength of material</b>									
PAC-SBHS-35-112-31	31.0	9.9	114.90	3447	2758	2298	1970	1724	5171	4136	3447	2955	2585										
PAC-SBHS-35-112-32	32.0	10.2	110.17	3305	2644	2203	1889	1653	4958	3966	3305	2833	2479										
PAC-SBHS-35-112-33	33.0	10.4	105.81	3174	2540	2116	1814	1587	4762	3809	3174	2721	2381										
PAC-SBHS-35-112-34	34.0	10.7	101.79	3054	2443	2036	1745	1527	4581	3664	3054	2617	2290						6107	4886	4072	3490	3054
PAC-SBHS-35-112-35	35.0	11.0	98.06	2942	2353	1961	1681	1471	4413	3530	2942	2522	2206						5884	4707	3922	3362	2942
PAC-SBHS-35-112-36	36.0	11.3	94.59	2838	2270	1892	1622	1419	4257	3405	2838	2432	2128						5676	4540	3784	3243	2838
PAC-SBHS-35-112-37	37.0	11.6	91.36	2741	2193	1827	1566	1370	4111	3289	2741	2349	2056						5482	4385	3655	3132	2741
PAC-SBHS-35-112-38	38.0	11.8	88.35	2650	2120	1767	1515	1325	3976	3180	2650	2272	1988						5301	4241	3534	3029	2650
PAC-SBHS-35-112-39	39.0	12.1	85.52	2566	2053	1710	1466	1283	3849	3079	2566	2199	1924						5131	4105	3421	2932	2566
PAC-SBHS-35-112-40	40.0	12.4	82.88	2486	1989	1658	1421	1243	3729	2984	2486	2131	1865	4973	3978	3315	2841	2486					
PAC-SBHS-35-112-41	41.0	12.7	80.39	2412	1929	1608	1378	1206	3617	2894	2412	2067	1809	4823	3859	3215	2756	2412					
PAC-SBHS-35-112-42	42.0	13.0	78.04	2341	1873	1561	1338	1171	3512	2809	2341	2007	1756	4682	3746	3122	2676	2341					
PAC-SBHS-35-112-43	43.0	13.3	75.83	2275	1820	1517	1300	1137	3412	2730	2275	1950	1706	4550	3640	3033	2600	2275					
PAC-SBHS-35-112-44	44.0	13.5	73.74	2212	1770	1475	1264	1106	3318	2655	2212	1896	1659	4424	3540	2950	2528	2212					
PAC-SBHS-35-112-45	45.0	13.8	71.76	2153	1722	1435	1230	1076	3229	2583	2153	1845	1615	4306	3445	2871	2460	2153					
PAC-SBHS-35-112-46	46.0	14.1	69.89	2097	1677	1398	1198	1048	3145	2516	2097	1797	1572	4193	3355	2796	2396	2097					
PAC-SBHS-35-112-47	47.0	14.4	68.11	2043	1635	1362	1168	1022	3065	2452	2043	1751	1532	4087	3269	2724	2335	2043					
PAC-SBHS-35-112-48	48.0	14.7	66.42	1993	1594	1328	1139	996	2989	2391	1993	1708	1494	3985	3188	2657	2277	1993					
PAC-SBHS-35-112-49	49.0	15.0	64.81	1944	1555	1296	1111	972	2916	2333	1944	1667	1458	3889	3111	2592	2222	1944					
PAC-SBHS-35-112-50	50.0	15.2	63.28	1898	1519	1266	1085	949	2848	2278	1898	1627	1424	3797	3037	2531	2170	1898					
<b>1.250" ACTIVE DIAMETER 35 SPLINE SWAY BAR</b>																							
PAC-SBHS-35-125-30	30.0	11.2	180.39	5412	4329	3608	3092	2706	8118	6494	5412	4639	4059	<b>Overstress condition: stress will be greater than yield strength of material</b>									
PAC-SBHS-35-125-31	31.0	11.5	172.75	5183	4146	3455	2961	2591	7774	6219	5183	4442	3887										
PAC-SBHS-35-125-32	32.0	11.9	165.73	4972	3978	3315	2841	2486	7458	5966	4972	4262	3729										
PAC-SBHS-35-125-33	33.0	12.2	159.26	4778	3822	3185	2730	2389	7167	5733	4778	4095	3583										
PAC-SBHS-35-125-34	34.0	12.6	153.28	4598	3679	3066	2628	2299	6897	5518	4598	3941	3449										
PAC-SBHS-35-125-35	35.0	12.9	147.73	4432	3545	2955	2532	2216	6648	5318	4432	3799	3324										
PAC-SBHS-35-125-36	36.0	13.3	142.56	4277	3421	2851	2444	2138	6415	5132	4277	3666	3208										
PAC-SBHS-35-125-37	37.0	13.6	137.75	4132	3306	2755	2361	2066	6199	4959	4132	3542	3099										
PAC-SBHS-35-125-38	38.0	14.0	133.25	3997	3198	2665	2284	1999	5996	4797	3997	3426	2998						7995	6396	5330	4568	3997
PAC-SBHS-35-125-39	39.0	14.3	129.03	3871	3097	2581	2212	1935	5806	4645	3871	3318	2903						7742	6194	5161	4424	3871
PAC-SBHS-35-125-40	40.0	14.7	125.08	3752	3002	2502	2144	1876	5628	4503	3752	3216	2814	7505	6004	5003	4288	3752					
PAC-SBHS-35-125-41	41.0	15.0	121.35	3641	2912	2427	2080	1820	5461	4369	3641	3121	2730	7281	5825	4854	4161	3641					
PAC-SBHS-35-125-42	42.0	15.4	117.85	3535	2828	2357	2020	1768	5303	4243	3535	3030	2652	7071	5657	4714	4040	3535					
PAC-SBHS-35-125-43	43.0	15.7	114.54	3436	2749	2291	1964	1718	5154	4123	3436	2945	2577	6872	5498	4582	3927	3436					
PAC-SBHS-35-125-44	44.0	16.1	111.41	3342	2674	2228	1910	1671	5013	4011	3342	2865	2507	6685	5348	4456	3820	3342					
PAC-SBHS-35-125-45	45.0	16.4	108.45	3253	2603	2169	1859	1627	4880	3904	3253	2789	2440	6507	5205	4338	3718	3253					
PAC-SBHS-35-125-46	46.0	16.8	105.64	3169	2535	2113	1811	1585	4754	3803	3169	2716	2377	6338	5071	4226	3622	3169					
PAC-SBHS-35-125-47	47.0	17.1	102.97	3089	2471	2059	1765	1545	4634	3707	3089	2648	2317	6178	4943	4119	3530	3089					
PAC-SBHS-35-125-48	48.0	17.4	100.44	3013	2410	2009	1722	1507	4520	3616	3013	2583	2260	6026	4821	4017	3444	3013					
PAC-SBHS-35-125-49	49.0	17.8	98.02	2941	2353	1960	1680	1470	4411	3529	2941	2521	2205	5881	4705	3921	3361	2941					
PAC-SBHS-35-125-50	50.0	18.1	95.72	2872	2297	1914	1641	1436	4307	3446	2872	2461	2154	5743	4595	3829	3282	2872					

Note: For your specific or custom application, go online to [www.racingswaybars.com](http://www.racingswaybars.com) and use our online calculator. Twist is defined as the angular deflection of the sway bar as one wheel moves relative to the other (eg. one at bump vs. the other at droop). Your wheel travel, link arm length, and radius rod length determine the amount of twist you will see. Calculator available online.

**35 SPLINE**

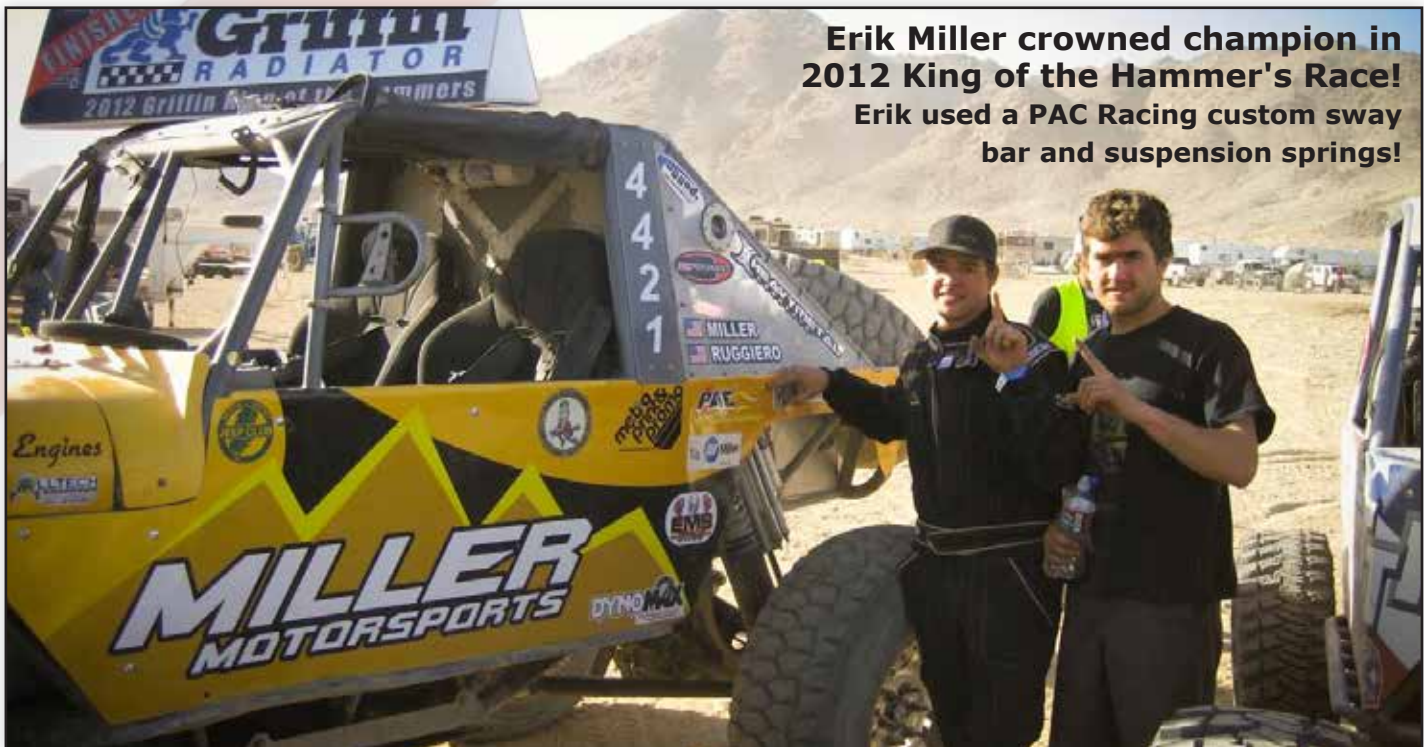
# TITANIUM

## 28 SPLINE TITANIUM SWAY BARS

### SPECIAL ORDER ONLY

- Titanium sway bars available using the highest grade titanium for your high performance application where weight is critical.
- Typical weight savings are 4-6 lbs over a steel sway bar.
- 28 Spline Titanium 0.750", 0.850", 1.000" active diameter bars available.
- Part number includes small package of loctite, custom fender washers and ARP cap screws for the end of the sway bar.

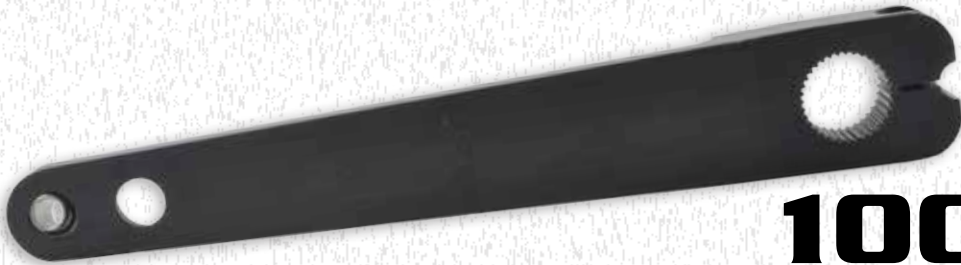
**PLEASE CALL FOR MORE INFORMATION**



**Erik Miller crowned champion in 2012 King of the Hammer's Race!**  
Erik used a PAC Racing custom sway bar and suspension springs!



# SWAY BAR LINK ARMS



## **100 SERIES**

PRO RACE..... 46-48



## **200 SERIES**

SPORTSMAN RACE..... 50-51



## **300 SERIES**

BUILDER & FABRICATOR KITS... 52-53



## **TROPHY TRUCK**

CUSTOM & SPECIAL ORDER..... 49

# 100 SERIES LINK ARMS

## HIGH STRENGTH RACING LINK ARMS

Most manufacturers use a bolt in single shear at the end connection, but our aluminum arms use a spherical bearing (FK Rod Ends) and can be purchased with a high strength clevis to bolt directly to the radius rod. The design was driven by stress analysis, and will meet the needs of most applications. All arms come engraved with part number near the splines and PAC Flame logo on each side.

Part Number	Length Range	Spline Count	Material
<b>ALUMINUM</b>			
PAC-ALA100	12, 13.5	28	6061-T6, Anodized Black
PAC-ALA101	15, 16.5	28	6061-T6, Anodized Black
PAC-ALA102	18, 19.5	28	6061-T6, Anodized Black
PAC-ALA103	21, 22.5	28	6061-T6, Anodized Black
PAC-ALA104	24, 25.5	28	6061-T6, Anodized Black
PAC-ALA110	12, 13.5	35	6061-T6, Anodized Black
PAC-ALA111	15, 16.5	35	6061-T6, Anodized Black
PAC-ALA112	18, 19.5	35	6061-T6, Anodized Black
PAC-ALA113	21, 22.5	35	6061-T6, Anodized Black
PAC-ALA114	24, 25.5	35 </td <td>6061-T6, Anodized Black</td>	6061-T6, Anodized Black

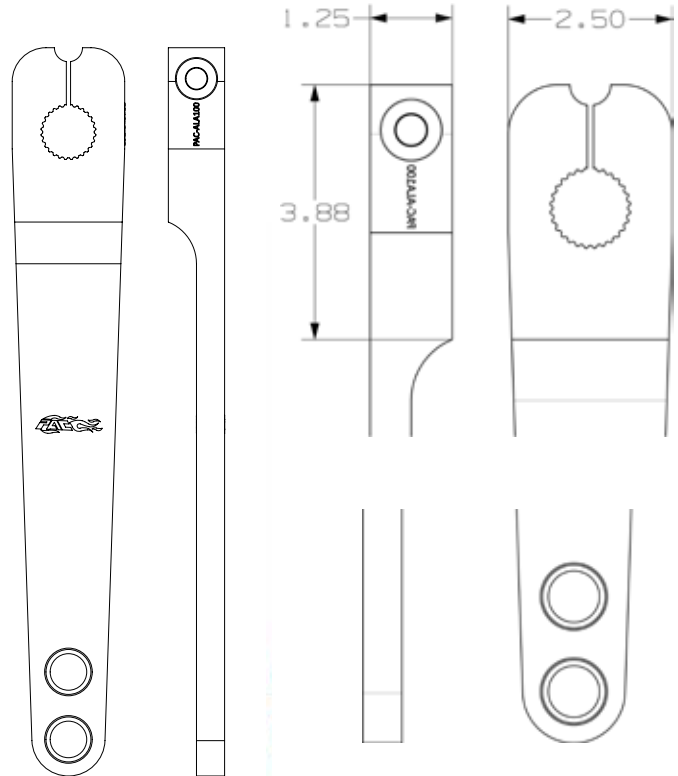
Any of these arms can be upgraded to 7075 aluminum, call for pricing

<b>STEEL</b>			
PAC-SLA100	12, 13.5	28	1018 Steel, Pocketed Body
PAC-SLA101	15, 16.5	28	1018 Steel, Pocketed Body
PAC-SLA102	18, 19.5	28	1018 Steel, Pocketed Body
PAC-SLA103	21, 22.5	28	1018 Steel, Pocketed Body
PAC-SLA104	24, 25.5	28	1018 Steel, Pocketed Body
PAC-SLA110	12, 13.5	35	1018 Steel, Pocketed Body
PAC-SLA111	15, 16.5	35	1018 Steel, Pocketed Body
PAC-SLA112	18, 19.5	35	1018 Steel, Pocketed Body
PAC-SLA113	21, 22.5	35	1018 Steel, Pocketed Body
PAC-SLA114	24, 25.5	35	1018 Steel, Pocketed Body

Part Number includes spherical bearing and retaining ring. Also includes a premium ARP 7/16" bolt and ARP locknut to clamp down on the splines.

**■ = WARNING DO NOT USE FOR 30"-35" @ 1.250 ACTIVE DIAMETER BARS**

WARNING



## WHY DOUBLE SHEAR?

### LESS STRESS = LONGER LIFE, AND YOU FINISH THE RACE!

When designing any bolted joint, especially with a rod end, it is best practice to use a double shear connection. This means that there is material on either side of one of the components, resulting in three contact areas on the bolt instead of two.



**Double Shear Design = MOST RELIABLE**



100 Series Link Arm Assembly



200 Series Link Arm Assembly



300 Series Link Arm Assembly

# 100 SERIES LINK ARM BLANKS

For the builder/fabricator not interested in a spherical bearing connection to the radius rod, we also stock the same machined link arms with a blank end so you can drill your own holes or design an end condition specific for your application. The steel arms have the same pocketed body as the SLA100-104's.

Part Number	Length Range	Spline Count	Material	Overall Length
<b>ALUMINUM</b>				
PAC-ALA105	9" - 13.5"	28	6061-T6, Anodized Black, Blank End	16.25"
PAC-ALA106	12" - 16.5"	28		19.25"
PAC-ALA107	15" - 19.5"	28		22.25"
PAC-ALA108	18" - 22.5"	28		25.25"
PAC-ALA109	21" - 25.5"	28		28.25"
<b>WARNING</b> PAC-ALA115	9" - 13.5"	35		16.25"
PAC-ALA116	12" - 16.5"	35		19.25"
PAC-ALA117	15" - 19.5"	35		22.25"
PAC-ALA118	18" - 22.5"	35		25.25"
PAC-ALA119	21" - 25.5"	35		28.25"

Any of these arms can be upgraded to 7075 aluminum, call for pricing.

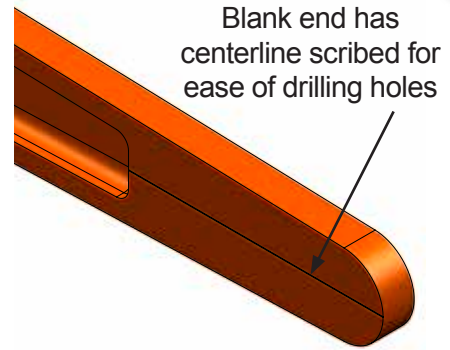
<b>STEEL</b>				
PAC-SLA105	11"-13.75"	28	1018 Steel, Blank End, Pocketed Body	16.25"
PAC-SLA106	14"-16.75"	28		19.25"
PAC-SLA107	17"-19.75"	28		22.25"
PAC-SLA108	20"-22.75"	28		25.25"
PAC-SLA109	23"-25.75"	28		28.25"
PAC-SLA115	11"-13.75"	35		16.25"
PAC-SLA116	14"-16.75"	35		19.25"
PAC-SLA117	17"-19.75"	35		22.25"
PAC-SLA118	20"-22.75"	35		25.25"
PAC-SLA119	23"-25.75"	35		28.25"

Part Number includes spherical bearing and retaining ring. Also includes a premium ARP 7/16" bolt and ARP locknut to clamp down on the splines.

**■ = WARNING DO NOT USE FOR 30"-35" @ 1.250 ACTIVE DIAMETER BARS**



SLA105 Blank  
Pocketed Body



Blank end has  
centerline scribed for  
ease of drilling holes

## DOUBLE SHEAR BRACKET FOR LINK ARM BLANKS (PAC-300345)

Want to use a rod end at the end of your premium machined link arm, but don't want a single shear connection? Our double shear bracket is for you. Comes with two ARP bolts and top lock jam nuts to bolt to the link arm blank, all you have to do is place the bracket in the desired position and drill the holes. The 1/2" holes for mounting a rod end have 15/16" of spacing between them. Also, the bracket comes with a 1/2" bolt, washer and top lock jam nut to mount a rod end.



**PAC-300345**  
Installed on PAC-SLA105  
Steel Link Arm Blank



**PAC-300345**  
Uses PAC-300349  
Rod End



# 100 SERIES LINK ARMS (CONT.)

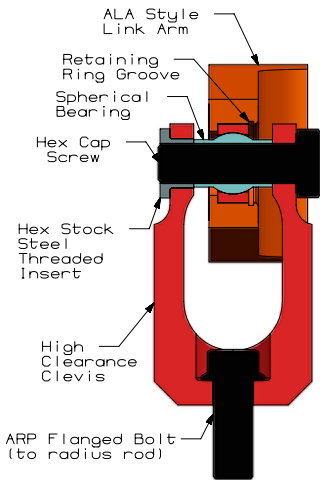
Our clevis' have been designed specifically to mate up to the 100 Series ALA style aluminum or steel arms, without needing spacers or bushings. One side of the aluminum clevis has an integrated steel threaded insert to reduce the assembly width and prevent clearance issues with suspension and chassis components.

The high clearance clevis and steel clevis are made specifically for high articulation applications where any one of the following criteria are met:

- More than 16" of wheel travel (not shock but actual wheel travel based on suspension geometry)
- Using the first mounting hole closest to the splines (length of either 12", 15", 18", 21", 24")
- ALA Armor end caps (below) are being used
- At ride height the radius rod is not vertical
- At ride height the link arm is not horizontal



Steel Clevis  
Assembled  
PAC-300271



Part Number	Material	Dimensions
Aluminum clevis includes hex cap screw, and steel threaded insert to bolt to the link arm. Steel clevis includes a hex cap screw, 2 washers, and a top lock jam nut. Also includes a 1/2-20 x 1.25" ARP bolt to connect to a radius rod.		
PAC-300270	7075 Aluminum, Anodized Orange	1.875" OD x 2.75" long
PAC-300306	7075 Aluminum, Anodized Orange	High Clearance, 2" OD x 3.5" long
PAC-300271	3/16" Steel, Bent Construction	1.5" Wide x 3.5" Long



PAC-300271



PAC-300306



PAC-300270



# TROPHY TRUCK BILLET

## 7075 ARMS

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- ANY LENGTH
- CUSTOM ORDER
- AVAILABLE IN 35, 40 AND 45 SPLINE



Steel captive nuts & double shear bracket



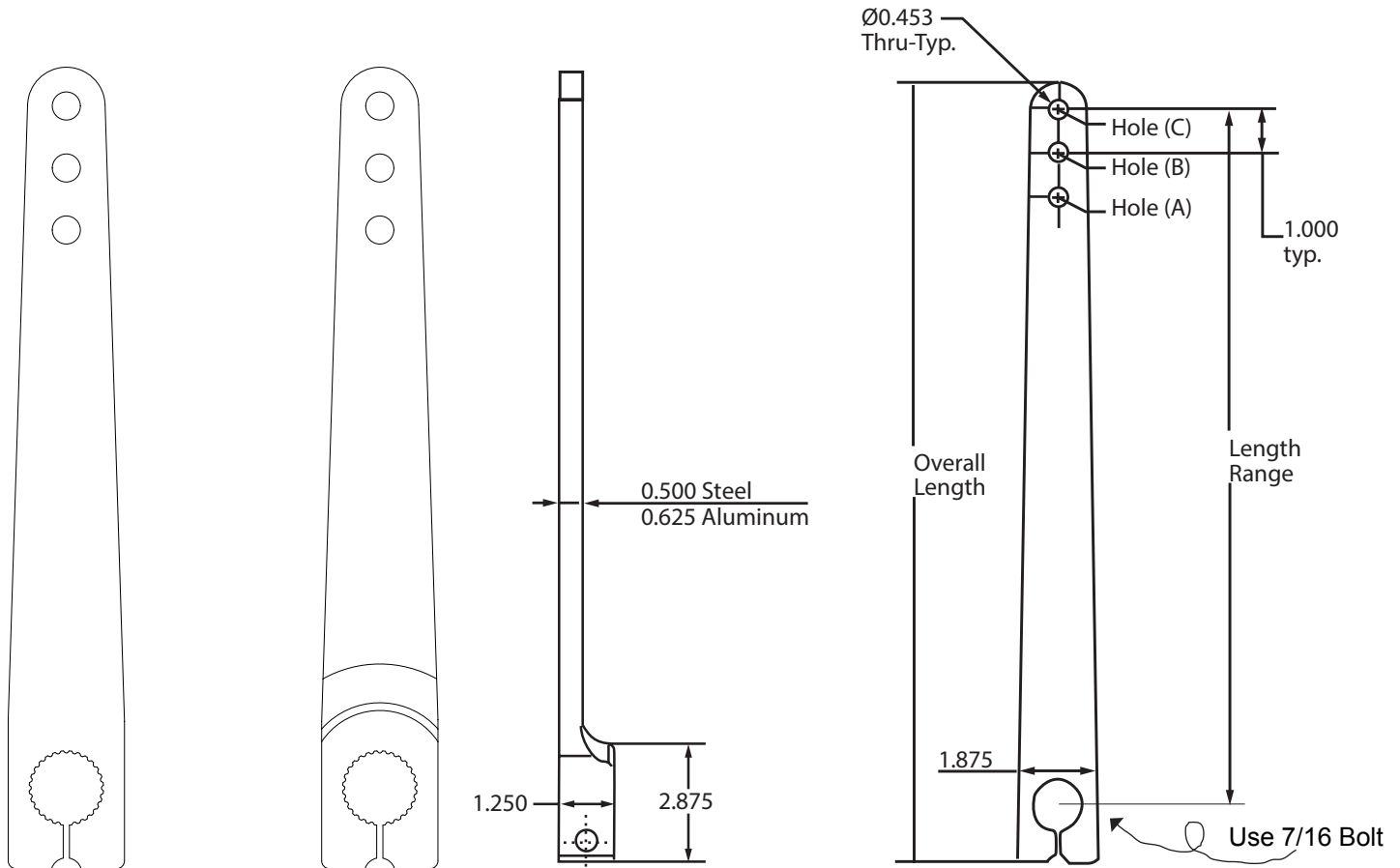
# 200 SERIES LINK ARMS

## 200 SERIES SPORTSMAN ARMS - STEEL (SINGLE SHEAR)

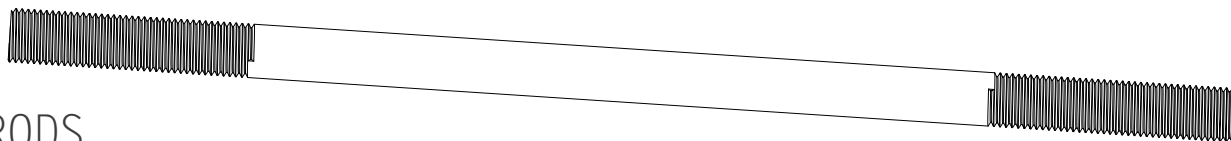
Part Number	Length Range	Overall Length	Spline Count	Hole Size	Material	Surface Finish
<b>STEEL</b>						
PAC-SLA200	5,6,7	8.925	28	0.453	Chrome Moly Steel	Powder Coated Black
PAC-SLA201	8,9,10	11.925	28	0.453	Chrome Moly Steel	Powder Coated Black
PAC-SLA202	11,12,13	14.925	28	0.453	Chrome Moly Steel	Powder Coated Black
PAC-SLA203	14,15,16	17.925	28	0.453	Chrome Moly Steel	Powder Coated Black
PAC-SLA204	17,18,19	20.925	28	0.453	Chrome Moly Steel	Powder Coated Black
PAC-SLA205	20,21,22	23.925	28	0.453	Chrome Moly Steel	Powder Coated Black

## 200 SERIES SPORTSMAN ARMS - ALUMINUM (SINGLE SHEAR)

Part Number	Length Range	Overall Length	Spline Count	Hole Size	Material	Surface Finish
<b>ALUMINUM</b>						
PAC-ALA200	5,6,7	8.925	28	0.453	6061-T6 Aluminum	Clear Anodized
PAC-ALA201	8,9,10	11.925	28	0.453	6061-T6 Aluminum	Clear Anodized
PAC-ALA202	11,12,13	14.925	28	0.453	6061-T6 Aluminum	Clear Anodized
PAC-ALA203	14,15,16	17.925	28	0.453	6061-T6 Aluminum	Clear Anodized
PAC-ALA204	17,18,19	20.925	28 <td 0.453	6061-T6 Aluminum	Clear Anodized	
PAC-ALA205	20,21,22	23.925	28	0.453	6061-T6 Aluminum	Clear Anodized







## RADIUS RODS

Part Number	Thread	Overall Length	Thread Length
300273T-6	7/16-20	6	2.000
300273T-7	7/16-20	7	2.000
300273T-8	7/16-20	8	2.000
300273T-9	7/16-20	9	2.000
300273T-10	7/16-20	10	2.000
300273T-11	7/16-20	11	2.000
300273T-12	7/16-20	12	2.000
300273T-13	7/16-20	13	2.000
300273T-14	7/16-20	14	2.000
300273T-15	7/16-20	15	2.000
300273T-16	7/16-20	16	2.000

## ROD ENDS

Part Number	Thread	Type	Coating	Thread
JF7YT	Right Hand	Female Thread	Teflon Coated	7/16-20
JFL7YT	Left Hand	Female Thread	Teflon Coated	7/16-20
JM7T	Right Hand	Male Thread	Teflon Coated	7/16-20
JML7T	Left Hand	Male Thread	Teflon Coated	7/16-20
SJNR07	Right Hand	Jam Nut	N/A	7/16-20
SJNL07	Left Hand	Jam Nut	N/A	7/16-20

# SPORTSMAN OFFROAD LINK ARM KITS

## 200 SERIES INSERTS AND LINK ARMS

The 300260 inserts can either be bolted or welded to the arm design and length of your choice. We offer a low cost PAC-SLA200 steel arm made of rectangular tubing that covers a wide range of applications. You can cut a section out to put a bend in the arms and then reweld them, or drill more holes for greater tuning capability. If you prefer to fabricate the arms yourself, then only the inserts are needed.

### 28 SPLINE INSERTS

Part Number	Material	Overall Dimensions	Bolt Pattern
Part Number includes a 7/16" ARP bolt and ARP locknut to clamp down on the splines. Also includes 2 custom cut large washers, 2 hex cap screws and 2 jam top lock nuts to bolt to an SLA style link arm.			
PAC-300260-6A	6061-T6 Aluminum	4.625" L x 1.75 H x 1.25" W	1/2" holes, 1" center spacing
PAC-300260-7A	7075 Aluminum	4.625" L x 1.75 H x 1.25" W	1/2" holes, 1" center spacing
PAC-300260-1S	Low Carbon Steel	4.625" L x 1.75 H x 1.25" W	1/2" holes, 1" center spacing

35 Spline not available



PAC-300260-1S

# 300 SERIES LINK ARMS

Prefer to completely weld and design your own arms? Then our round splined weld insert is for you. These are made from 4130 chromoly for the ultimate in strength and durability. We also offer laser cut side pieces in 1/8" and 3/16" thicknesses which make it easy to fab your own arms. Order the top and bottom 1/8" thick strips to box in the arm and a high misalignment rod end to get a complete "custom" arm package. We highly recommend fully boxing in any welded arm design to handle the loads without deflection.

## ROUND WELD INSERT

Part Number	Spline Configuration	Dimensions
PAC-300308	28 Spline	2.00" OD x 1.50" wide
PAC-300309	35 Spline	2.00" OD x 1.50" wide



PAC-300308



PAC-300339

## SPLINE CLAMP TUBE

We have selected and cut to length a tube that can be welded directly to the front of the arm for clamping down on the splines. It has a radius cut out which fits into the PAC-300308 or PAC-300309 OD (picture left)



3" length can be used for the 35 spline or 28 spline application. Purchase of the tube comes with a 7/16" ARP bolt and ARP top lock nut.

Part Number	Length	OD	ID
PAC-300339	3.00"	.937"	.500"



## HIGH MISALIGNMENT ROD END

(FOR PRO-FAB ARM)

We have selected a FK high misalignment rod in the 1/2" size that is 15/16" wide, matching the OD of the PAC-300339 spline clamp tube for easy alignment. Order the rod end and use it as a jig while tacking in the arms to keep proper spacing. All rod end purchases come with a jam nut.

Part Number	Width	Hole Size	Shank
PAC-300329	.937"	.500"	1/2-20 Thread



PAC-300329



## 300 SERIES STEEL ARM SIDES

Part Number	Dimension A (length range)	Overall Length	Dimension B (Thickness)	Dimension C (Insert Cutout)
<b>1/8" wall thickness side plates in stock</b>				
PAC-SLA300	9" - 14"	16.25"	.125"	2.00"
PAC-SLA301	12" - 17"	19.25"	.125"	2.00"
PAC-SLA302	15" - 20"	22.25"	.125"	2.00"
PAC-SLA303	18" - 23"	25.25"	.125"	2.00"
PAC-SLA304	21" - 26"	28.25"	.125"	2.00"
<b>3/16" wall thickness side plates in stock</b>				
PAC-SLA305	9" - 14"	16.25"	.187"	2.00"
PAC-SLA306	12" - 17"	19.25"	.187"	2.00"
PAC-SLA307	15" - 20"	22.25"	.187"	2.00"
PAC-SLA308	18" - 23"	25.25"	.187"	2.00"
PAC-SLA309	21" - 26"	28.25"	.187"	2.00"

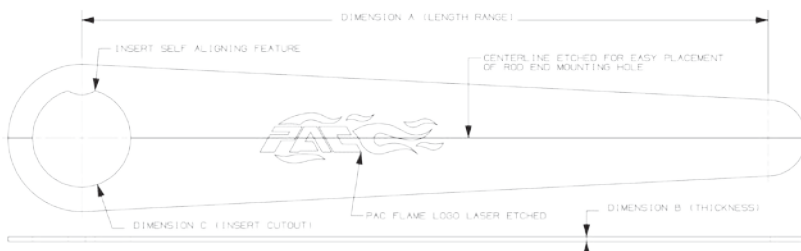


Steel arms can be bent to your application



Complete Link Arm Kit

These parts fit with either of the round weld inserts, and come with a hex cap screw, jam top lock nut, and 2 washers for bolting a 300329 rod end in place.



## STEEL STRIP TO BOX IN ARMS

We have selected and cut to length a strip of cold rolled 1018 steel that will fit over the arm sides and still give a nice corner to fillet weld along the length of the arms. PAC Racing has also machined a radius out of the end of the strip which will fit around the PAC- 300339 tube, reducing gaps to a minimum for easy welding, picture below left.

Part Number	Length	Thickness	Width	Details
PAC- 300343	29"	.125"	1.25"	Needs 2 per arm



PAC-300343 cut to fit the spline clamp tube



Pro Fabricator Link Arm tacked together



# SWAY BAR BUSHINGS TO FIT YOUR APPLICATION

## MOUNTING

Mounting of your Sway Bar can be done a variety of ways. By far the most popular is mounting inside a chassis tube. We stock all sizes of nylon bushings listed below to press inside commonly used 1.75" and 2" chassis tubes (bushings are sized .002" over the nominal ID of tubing). We offer 4 different shoulder thickness to take up any slack that will result if mounting tube length is not a whole number.

## PART NUMBERING

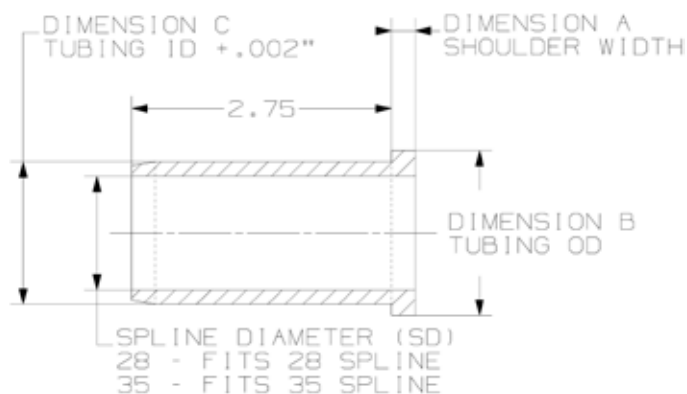
### 300303-X-SD

Specifies which size tubing the bushing presses inside

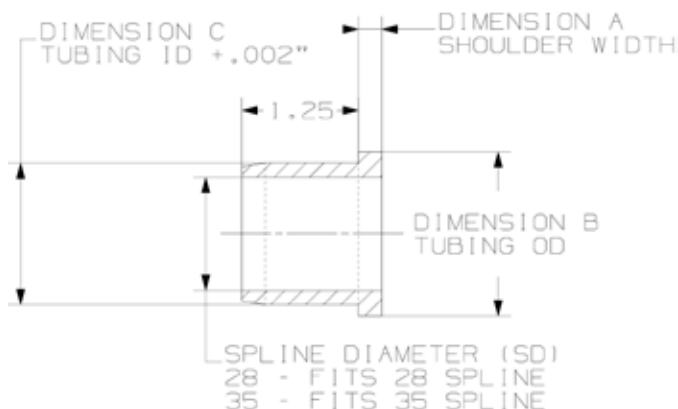
Spline Diameter-  
28 - fits a 28 spline sway bar  
35 - fits a 35 spline sway bar

ADD A -SC TO THE END OF THE PART NUMBER TO ORDER A SHORT COURSE STYLE BUSHING

SHORT COURSE LENGTH BUSHING  
(300302-X-SD-SC)



STANDARD LENGTH BUSHING  
(300302-X-SD)



0.250" SHOULDER BUSHING  
(for use with mounting tube lengths that are whole numbers, eg. 30", etc.)

0.375" SHOULDER BUSHING  
(for use with mounting tube lengths that are 0.75" over a whole number, eg. 30.75")

Part Number	Dimension A Shoulder Thickness	Dimension B Tubing OD	Dimension C Tubing ID +.002	Tubing Wall Thickness (REF)
<b>FOR USE WITH 28 SPLINE SWAY BARS ONLY</b>				
PAC-300302-1-28	0.25	1.75	1.622	0.065
PAC-300302-2-28	0.25	1.75	1.586	0.083
PAC-300302-3-28	0.25	1.75	1.562	0.095
PAC-300302-4-28	0.25	1.75	1.534	0.109
<b>PAC-300302-5-28</b>	<b>0.25</b>	<b>1.75</b>	<b>1.512</b>	<b>0.120</b>
<b>PAC-300302-6-28</b>	<b>0.25</b>	<b>1.75</b>	<b>1.502</b>	<b>0.125</b>
PAC-300302-7-28	0.25	1.75	1.484	0.134
<b>FOR USE WITH BOTH 28 SPLINE AND 35 SPLINE (Please specify when ordering)</b>				
PAC-300302-8-SD	0.25	2.00	1.872	0.065
PAC-300302-9-SD	0.25	2.00	1.736	0.083
PAC-300302-10-SD	0.25	2.00	1.812	0.095
PAC-300302-11-SD	0.25	2.00	1.784	0.109
<b>PAC-300302-12-SD</b>	<b>0.25</b>	<b>2.00</b>	<b>1.762</b>	<b>0.120</b>
<b>PAC-300302-13-SD</b>	<b>0.25</b>	<b>2.00</b>	<b>1.752</b>	<b>0.125</b>
PAC-300302-14-SD	0.25	2.00	1.734	0.134

Part Number	Dimension A Shoulder Thickness	Dimension B Tubing OD	Dimension C Tubing ID +.002	Tubing Wall Thickness (REF)
<b>FOR USE WITH 28 SPLINE SWAY BARS ONLY</b>				
PAC-300303-1-28	0.375	1.75	1.622	0.065
PAC-300303-2-28	0.375	1.75	1.586	0.083
PAC-300303-3-28	0.375	1.75	1.562	0.095
PAC-300303-4-28	0.375	1.75	1.534	0.109
<b>PAC-300303-5-28</b>	<b>0.375</b>	<b>1.75</b>	<b>1.512</b>	<b>0.120</b>
<b>PAC-300303-6-28</b>	<b>0.375</b>	<b>1.75</b>	<b>1.502</b>	<b>0.125</b>
PAC-300303-7-28	0.375	1.75	1.484	0.134
<b>FOR USE WITH BOTH 28 SPLINE AND 35 SPLINE (Please specify when ordering)</b>				
PAC-300303-8-SD	0.375	2.00	1.872	0.065
PAC-300303-9-SD	0.375	2.00	1.736	0.083
PAC-300303-10-SD	0.375	2.00	1.812	0.095
PAC-300303-11-SD	0.375	2.00	1.784	0.109
<b>PAC-300303-12-SD</b>	<b>0.375</b>	<b>2.00</b>	<b>1.762</b>	<b>0.120</b>
<b>PAC-300303-13-SD</b>	<b>0.375</b>	<b>2.00</b>	<b>1.752</b>	<b>0.125</b>
PAC-300303-14-SD	0.375	2.00	1.734	0.134

**Bold** type denotes most common tubing size

0.500" SHOULDER BUSHING  
(for use with mounting tube lengths that are 0.50"  
over a whole number, eg. 30.50")

Part Number	Dimension A Shoulder Thickness	Dimension B Tubing OD	Dimension C Tubing ID +0.002	Tubing Wall Thickness (REF)
<b>FOR USE WITH 28 SPLINE SWAY BARS ONLY</b>				
PAC-300304-1-28	0.500	1.75	1.622	0.065
PAC-300304-2-28	0.500	1.75	1.586	0.083
PAC-300304-3-28	0.500	1.75	1.562	0.095
PAC-300304-4-28	0.500	1.75	1.534	0.109
<b>PAC-300304-5-28</b>	<b>0.500</b>	<b>1.75</b>	<b>1.512</b>	<b>0.120</b>
<b>PAC-300304-6-28</b>	<b>0.500</b>	<b>1.75</b>	<b>1.502</b>	<b>0.125</b>
300304-7-28	0.500	1.75	1.484	0.134
<b>FOR USE WITH BOTH 28 SPLINE AND 35 SPLINE (Please specify when ordering)</b>				
PAC-300304-8-SD	0.500	2.00	1.872	0.065
PAC-300304-9-SD	0.500	2.00	1.736	0.083
PAC-300304-10-SD	0.500	2.00	1.812	0.095
PAC-300304-11-SD	0.500	2.00	1.784	0.109
<b>PAC-300304-12-SD</b>	<b>0.500</b>	<b>2.00</b>	<b>1.762</b>	<b>0.120</b>
<b>PAC-300304-13-SD</b>	<b>0.500</b>	<b>2.00</b>	<b>1.752</b>	<b>0.125</b>
PAC-300304-14-SD	0.500	2.00	1.734	0.134

0.625" SHOULDER BUSHING  
(for use with mounting tube lengths that are 0.25"  
over a whole number, eg. 30.25")

Part Number	Dimension A Shoulder Thickness	Dimension B Tubing OD	Dimension C Tubing ID +0.002	Tubing Wall Thickness (REF)
<b>FOR USE WITH 28 SPLINE SWAY BARS ONLY</b>				
PAC-300305-1-28	0.625	1.75	1.622	0.065
PAC-300305-2-28	0.625	1.75	1.586	0.083
PAC-300305-3-28	0.625	1.75	1.562	0.095
PAC-300305-4-28	0.625	1.75	1.534	0.109
<b>PAC-300305-5-28</b>	<b>0.625</b>	<b>1.75</b>	<b>1.512</b>	<b>0.120</b>
<b>PAC-300305-6-28</b>	<b>0.625</b>	<b>1.75</b>	<b>1.502</b>	<b>0.125</b>
PAC-300305-7-28	0.625	1.75	1.484	0.134
<b>FOR USE WITH BOTH 28 SPLINE AND 35 SPLINE (Please specify when ordering)</b>				
PAC-300305-8-SD	0.625	2.00	1.872	0.065
PAC-300305-9-SD	0.625	2.00	1.736	0.083
PAC-300305-10-SD	0.625	2.00	1.812	0.095
PAC-300305-11-SD	0.625	2.00	1.784	0.109
<b>PAC-300305-12-SD</b>	<b>0.625</b>	<b>2.00</b>	<b>1.762</b>	<b>0.120</b>
<b>PAC-300305-13-SD</b>	<b>0.625</b>	<b>2.00</b>	<b>1.752</b>	<b>0.125</b>
PAC-300305-14-SD	0.625	2.00	1.734	0.134

**Bold type denotes most common tubing size**



300302-5-28



300302-12-28



Bushing installed on sway bar

# AXLE MOUNTING TABS

Mounting your radius rods to an axle is easy with our stamped axle mounting tabs. We stock sizes to fit 3", 3.5", and 4" axle housings. Custom sizes and designs available.

Part Number	Axle Housing OD	Mounting Hole
PAC-300266-3	3.0"	0.50"
PAC-300266-3.5	3.5"	0.50"
PAC-300266-4	4.0"	0.50"



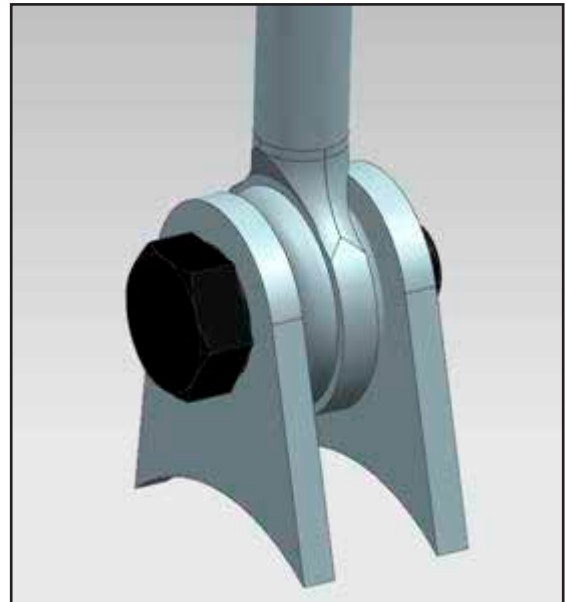
PAC-300266-3



PAC-300266-3.5



PAC-300266-4



We highly recommend mounting the rod end in a double shear method (shown above). This prevents side loading and potential buckling of the radius rod under load.



Tyree Motorsports runs PAC Racing suspension springs and sway bars!



# RADIUS RODS

We offer steel and aluminum radius rods specifically designed for the sway bar application. All welded steel sizes are stocked and ready to ship. Aluminum radius rods are made out of 7075-T651 to prevent threads from pulling out, and are special order only, requiring a 2-3 week lead time. Both steel and aluminum versions have 7/8" flats to put a wrench on for assembly. If you prefer to weld your own steel radius rods together, we can provide you with the pieces, cut to length. See part numbering for this designation.

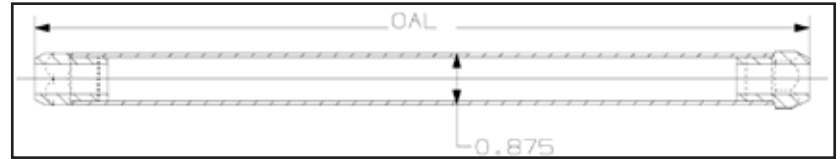
## PART NUMBERING 300273W-OAL

Indicates Welding -  
If no welding desired,  
remove the W

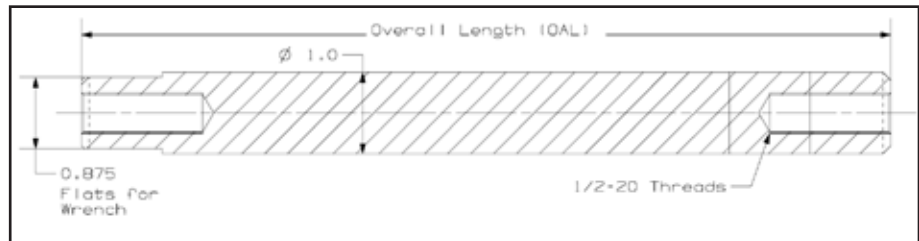
Overall Length (without ends)  
Depends on style of arms



### 300273W Steel Radius Rods



### 300310 Aluminum Radius Rods



## Overall Length (OAL)

If using Link Inserts and/or PAC-SLA200 series arms - You will need a 1/2" rod end on each side, one right handed, one left handed. See table for assembly length of a radius rod with different end conditions.

If using PAC-ALA100 series aluminum arms - A left hand rod end is only needed on one side, and our 300270 clevis, 300271 steel clevis, or 300306 high clearance clevis (page 48) can be bolted onto the other side. Each clevis requires an extra amount of length over a rod end, see table below for final assembly lengths using a standard length radius rod.

Steel Part Number (in stock)	Aluminum Part Number (in stock)	Steel Arms Assembly Length (w/2 Rod Ends)	Aluminum Arms Assembly Length (LH Rod End, 300270 Clevis)	Aluminum Arms Assembly Length (LH Rod End, 300306 high clearance or 300271 steel clevis)
300273W-3	300310-3	6	6.5	7.5
300273W-4	300310-4	7	7.5	8.5
300273W-5	300310-5	8	8.5	9.5
<b>300273W-6</b>	<b>300310-6</b>	<b>9</b>	<b>9.5</b>	<b>10.5</b>
<b>300273W-7</b>	<b>300310-7</b>	<b>10</b>	<b>10.5</b>	<b>11.5</b>
300273W-8	300310-8	11	11.5	12.5
300273W-9	300310-9	12	12.5	13.5
300273W-10	300310-10	13	13.5	14.5
<b>300273W-11</b>	<b>300310-11</b>	<b>14</b>	<b>14.5</b>	<b>15.5</b>
<b>300273W-12</b>	<b>300310-12</b>	<b>15</b>	<b>15.5</b>	<b>16.5</b>
<b>300273W-13</b>	<b>300310-13</b>	<b>16</b>	<b>16.5</b>	<b>17.5</b>
<b>300273W-14</b>	<b>300310-14</b>	<b>17</b>	<b>17.5</b>	<b>18.5</b>
300273W-15	300310-15	18	18.5	19.5
300273W-16	300310-16	19	19.5	20.5
300273W-17	300310-17	20	20.5	21.5
300273W-18	300310-18	21	21.5	22.5
300273W-19	300310-19	22	22.5	23.5
300273W-20	300310-20	23	23.5	24.5
300273W-21	300310-21	24	24.5	25.5
300273W-22	300310-22	25	25.5	26.5
300273W-23	300310-23	26	26.5	27.5
300273W-24	300310-24	27	27.5	28.5

We can custom make any length or fraction of whole sizes, contact us for details

# SWAY BAR ROD ENDS



AUTHORIZED MASTER DISTRIBUTOR FOR FK ROD ENDS

## Rod Ends Selected For Sway Bar Application

Part Number	Description
PAC-300288R	1/2" Right Hand Regular Rod End, Teflon Lined
PAC-300288L	1/2" Left Hand Regular Rod End, Teflon Lined
PAC-300289R	1/2" Right Hand Premium Rod End, Teflon Lined
PAC-300289L	1/2" Left Hand Premium Rod End, Teflon Lined

Each Rod End Includes a Jam Nut

## Racing Application Rod Ends

Part Number	Description
JMX	3 Piece, Precision Male, Alloy Body
KMX	3 Piece, Alloy Steel, Nylon Race
RSM	3 Piece, Low Carbon Steel Body, Heavy Shank
RSMX	3 Piece, Alloy Steel Body, Heavy Shank

Need rods ends for suspension, steering, or chassis?  
**WE HAVE THEM IN STOCK!**



In addition to the rod ends specifically selected for the sway bar radius rods, we carry the full line of FK Bearings products. We only stock products suitable for racing applications, but can get any FK Bearing product within a couple days.

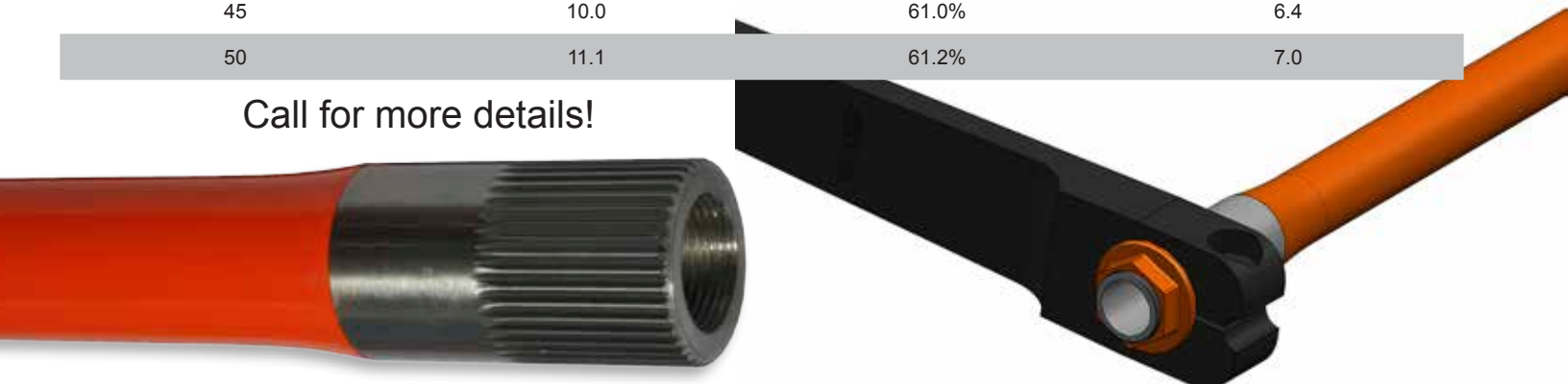
# GUN DRILL OPTION FOR 35 SPLINE

PAC Racing is excited to offer a premium gun drilled option for 35 spline sway bars. The sample calculations show typical weight savings. We can gun drill any size 35 spline sway bar to your specifications. Custom machined 7075 Aluminum flanged nut and locktite comes with each purchase.

## 35 Spline, 1.25" Active Diameter, 1" Gun Drilled Sway Bar Sample Calculations

Length (in)	Weight Savings (lb)	% Weight Savings	Total Weight (lb)
30	6.7	60.0%	4.5
35	7.8	60.4%	5.1
40	8.9	60.7%	5.7
45	10.0	61.0%	6.4
50	11.1	61.2%	7.0

Call for more details!



# SWAY BAR CUSTOM ORDER SHEET

We can create any sway bar specific for your application. Spline patterns, custom lengths, and larger/smaller diameters are all easily changed to your exact specifications.

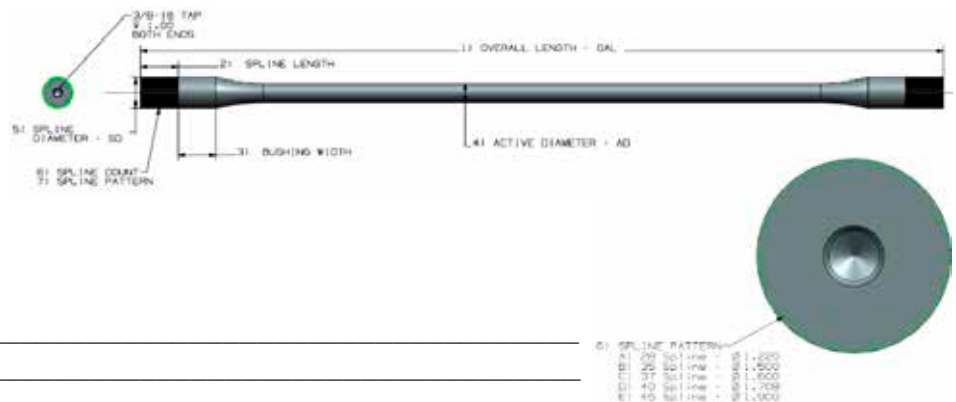


Fax to: (248) 350-3206

**PAC Racing Springs**  
 21200 Telegraph Road  
 Southfield, MI 48033  
 1-866-799-9417

NAME \_\_\_\_\_  
 COMPANY NAME \_\_\_\_\_  
 ADDRESS \_\_\_\_\_  
 ADDRESS \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP CODE \_\_\_\_\_  
 COUNTRY \_\_\_\_\_  
 PHONE NUMBER \_\_\_\_\_  
 FAX NUMBER \_\_\_\_\_  
 EMAIL ADDRESS \_\_\_\_\_  
 WEBSITE \_\_\_\_\_

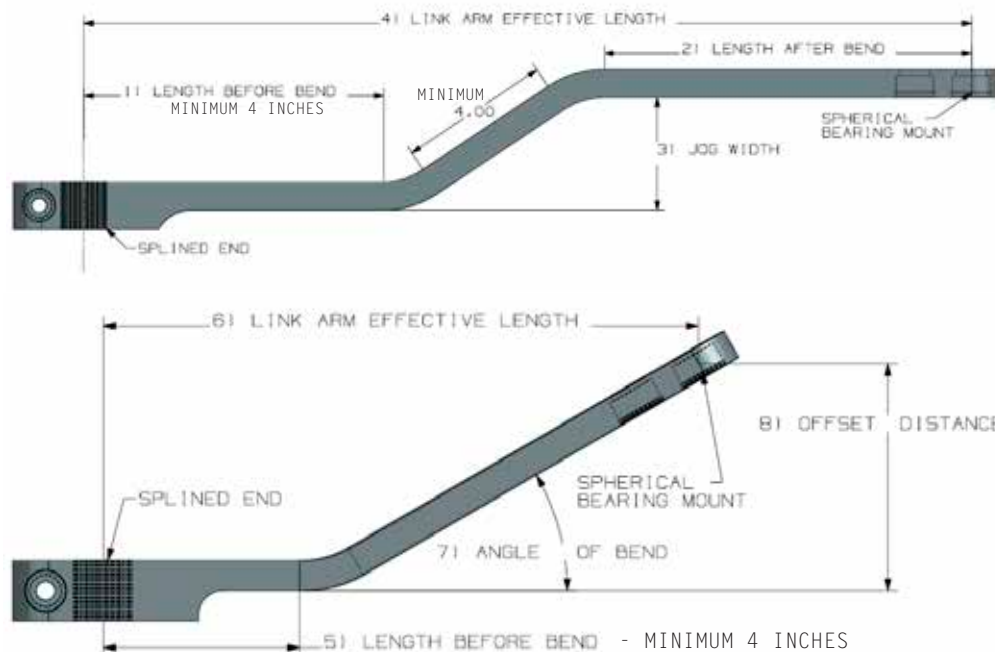
1	Overall Length	
2	Spline Length	
3	Bushing Width	
4	Active Diameter	
5	Spline Diameter	
6	Spline Pattern	



Additional Notes/ Comments: \_\_\_\_\_

# BENT LINK ARM CUSTOM ORDER SHEET

We can bend any of our standard aluminum or steel link arms to your specifications. Please enter your application information, as we need to validate your sizing to ensure that materials are not overstressed.



Your Application Information*	
Wheel Travel	
Radius Rod Length	
Sway Bar Active Diameter	
Sway Bar Material	
*Needed to determine forces experienced due to link arm lengths and suspension travel	

For Jog in Link Arm (2 Bends)		
1	Length Before Bend	
2	Length After Bend	
3	Jog Width	
4	Link Arm Effective Length	

For Single Bend In Link Arm		
5	Length Before Bend	
6	Link Arm Effective Length	
7	Angle of Bend	
8	Offset Distance	

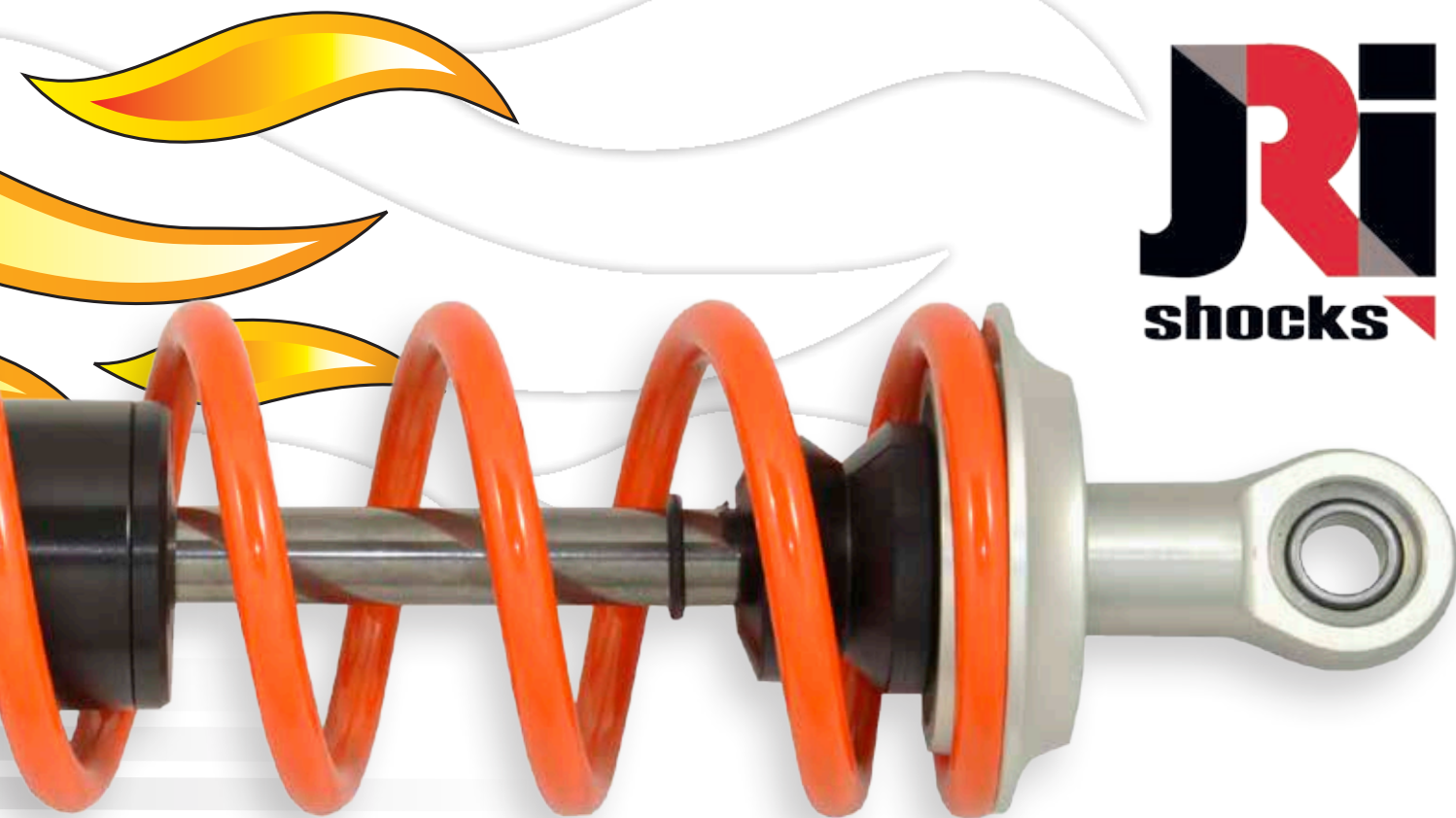




**SHOCKS**

# BILSTEIN

SHOCK ABSORBERS

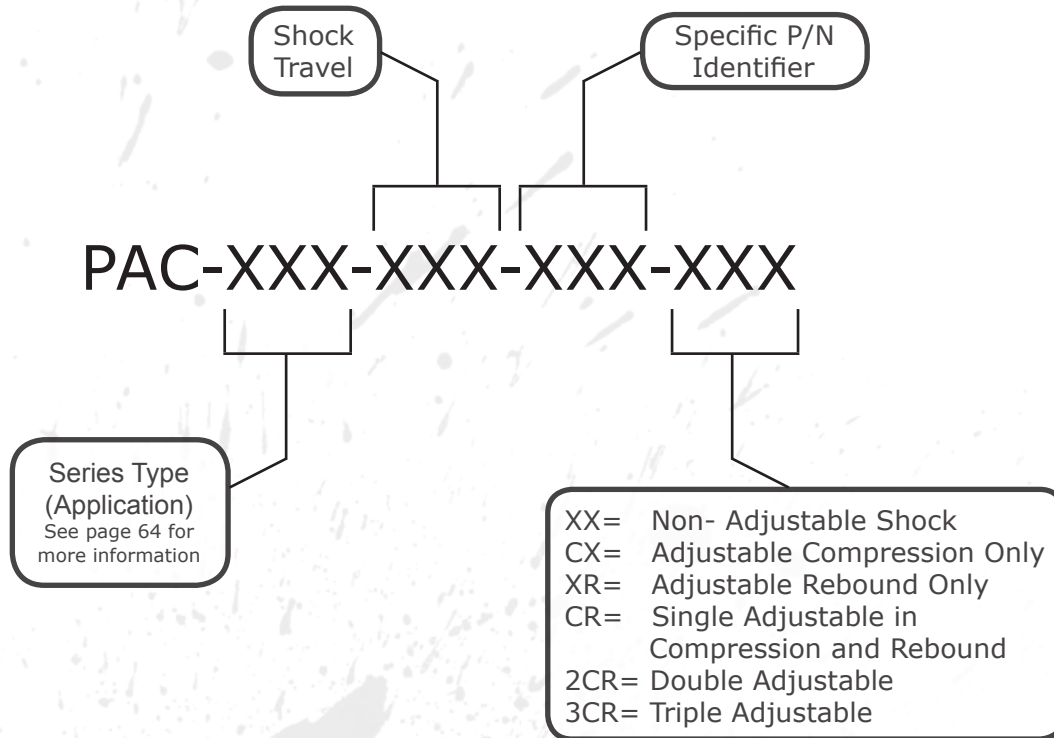


Proudly made in the U.S.A



# About PAC Shocks

## SHOCK PART NUMBER



PAC developed a technical partnership with JRi where we share our 100 year history and collaborate on products to serve as a systems approach for complete suspension engineering.

We didn't focus on a single market when we were locating a shock company capable of meeting the stringent PAC Racing Standards. Together with JRi, we offer a wide range of shocks for many applications.

JRI contributes 100+ combined years of knowledge in racing shocks to support our customers in advancing the efforts of racers and performance.

JRI has a long standing history of testing and supporting several markets. Combined with PAC technical process and highly engineered products, selecting JRi as its technical partner allows our customers to have the best engineered package available.

### SINGLE ADJUSTABLE SHOCKS

Single Adjustable features can be configured to be rebound only, or compression only, or adjust both equally based on defined valve shim forces.

### DOUBLE ADJUSTABLE SHOCKS

Double Adjustable shocks allow for adjusting the High Speed Rebound, and Low Speed Compression. These features are the most desirable type for these applications.





# FEATURES



## TRIPLE ADJUSTABLE SHOCKS

Triple adjustable shocks allow for adjusting the Low Speed Rebound, High Speed Compression, and Low Speed Compression.



Design features for adjustability

## FOUR-WAY ADJUSTABLE SHOCKS

Four Way adjustable Shocks Allow for adjustments in High Speed Rebound, Low Speed Rebound, High Speed Compression, Low Speed Compression

# Market & Series Information

## SERIES TYPE

Street  
Performance  
Page 80-81

100



Circle Track  
Page 72-79

200



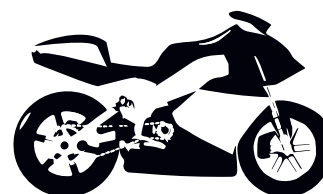
Drag Race  
Page 70-71

400



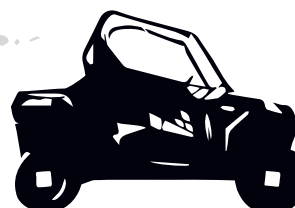
Motorcycle  
Page 82-83

500



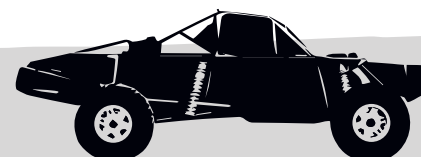
ATV Powersports  
Page 82-83

700



Off Road  
Call for information

800



# Shock Dyno Capabilities & Certification Methods

Every shock that is shipped is 100% tested, serialized and qualified before shipment

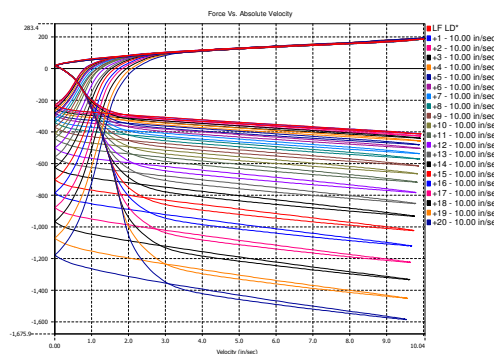
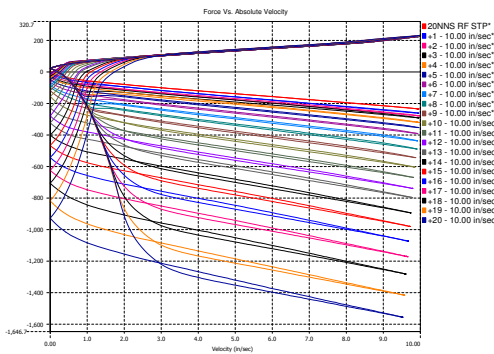
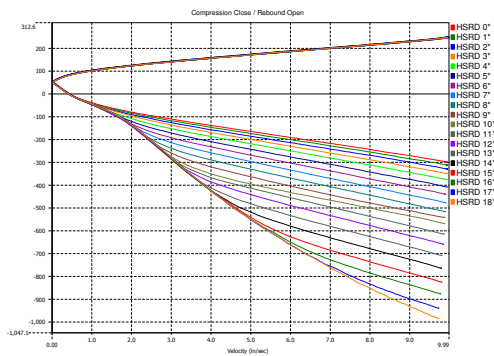
Shock Dyno data included with every shock

Serialized information can be referenced from shipment database

Help with tuning and trouble shooting in field

Ultimate data for vehicle dynamics design and performance

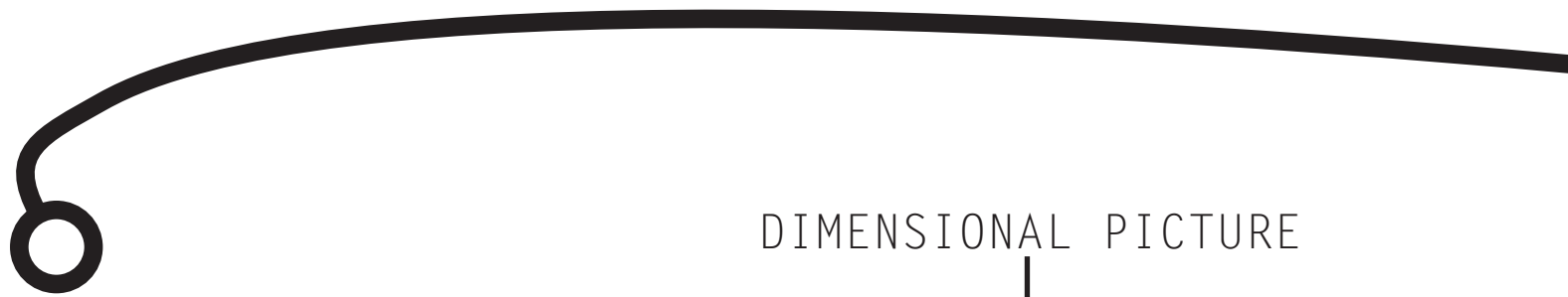
In-house Dynos include two 5HP (in support vehicles), three 10HP, two 30HP sinusoidal dynos and one 2k EMA variable waveform dyno. We also have the ability to test motocross and off road shocks with a 6k EMA variable waveform dyno, which will provide velocity inputs of over 150 in/sec.





# Shock End Mounting Information

## STYLE



DIMENSIONAL PICTURE

SPHERICAL BEARING



**A**

**B**

**C**

**D**

**E**

**F**

0.5x0.625

0.5x1.00  
(COM8)

0.750x0.750  
(COM10)

10mmx30mm

12mmx30mm

14mm





**G**   **H**   **J**   **K**   **L**

"T" Bar Style

Bayonet Style

Clevis

0.625  
Bayonet Style

Bushing



# Performance Advantage

## Five Key Design and Engineering Elements

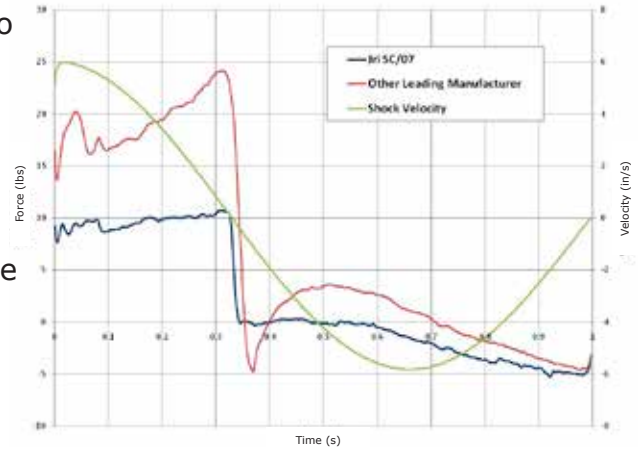
- 1 Reduce breakaway seal friction and valve shim friction
- 2 Reduce internal gas spring rate and rod force
- 3 Reduced friction designed for enhanced stability and durability in side loading conditions
- 4 Reduction in hysteresis
- 5 Increased dynamic response of higher frequencies

- Every Shock is tested and certified Using a state of the art shock dyno
- Each shock is shipped with shock dyno graph and certified performance
- Shocks are developed and fatigue tested with enhanced side loading to deliver the best performance as designed.

# 1

## Reduced Stiction

The JRi low friction, high pressure seal/shaft bearing design reduces stiction, also known as coulomb friction. This reduction results in a more stable tire contact patch loading. The reduction in the breakaway or stiction is illustrated below. A seal/bearing assembly stores and then releases energy, effecting low speed compression damping values. By decreasing this inherent stored energy the low speed adjusters or mechanisms become much more efficient and offer adjustment in ranges typically masked by the seal bearing assembly. This hydraulic trait lends itself to improved driver/chassis bio feedback.

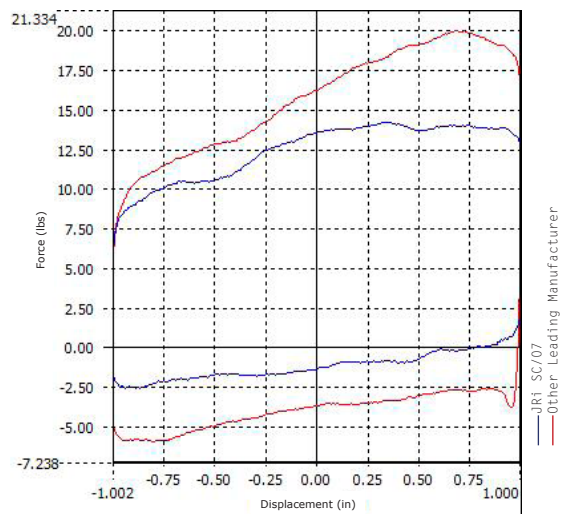


**Result: 50% improvement**

# 2

## Reduced Gas Spring Rate/Reduced Dynamic Rod Force

JRi strives to incorporate as much nitrogen gas volume as possible in every design. The increase in volume offers a large reduction in rod force which is an inherent spring rate. This rate is a stored energy source that has to be overcome by the motion of the shock absorber. The reduction of this force allows for lower load transitions in changes of direction of the shock absorber resulting in improved tire load variation and grip. Another large advantage with increased volume is internal hydraulic stability which can change dramatically with temperature variations.



**Result: 48% improvement**

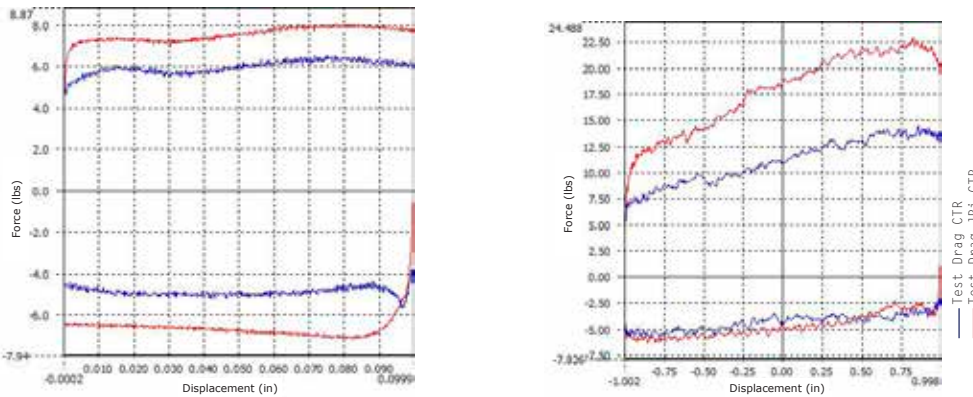


## Reduced Friction/Side Loading Effects

# 3

The JRi designed 'floating' seal/bearing head neutralizes side load induced to the shaft by the tightening of the seal/bearing head as well as chassis mounting misalignment. This is especially important with bump stop implementation. Coil-over applications generate much larger side loading effects due to the coil's tendency deflect and bend. Test results show running (coulomb) friction, and applied side loads of 15 lbs, 32 lbs, and 47 lbs (shown). By design more energy can be dissipated through the fluid and not through the friction of the components.

**Result: 35% improvement in both coulomb and side load conditions**

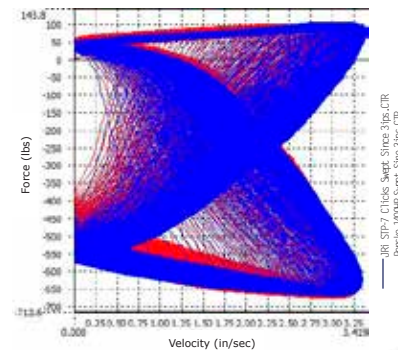


## Increased Dynamic Performance

# 4

JRi's attention to the design and function of the main piston and shim interaction plays a substantial role in the overall performance of the shock absorber and its relation to the tire. This is achieved by well calculated flow paths and the pressure relieving qualities of the radial shim stacks to create a much more stable hydraulic environment which allows a more consistent response in varying frequencies. This allows the shock to stay more closely in phase with the varying frequencies created by the tire. Figure 4 below shows fluctuating frequency phases. The tighter the pattern, the more consistent the damping is through these phases. As more teams implement advanced modeling for vehicle dynamics, this attribute benefits the accuracy of the model when JRi products.

**Result: 30% improvement**

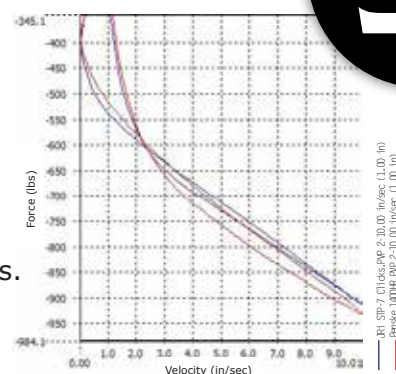


## Reducing Hysteresis

# 5

Hysteresis is typically caused by the compressibility within the shock absorber. This will consist of the hydraulic fluid, o-rings and seals, stiffness of mechanical components, shim management and the effects of cavitation. JRi has taken great care and given meticulous attention to avoid compressible design. We have sealed all unintended bleed paths, stiffened stressed components, lessened cavitation and chosen sealing materials which result in a much "stiffer" internal hydraulic system. By reducing compressible situations, JRi has increased the response to the tire in all conditions.

**Result: 30% improvement.**



# Drag Race

Part Number	Application	Description	Shock Body Finish	Spring Inside DIA
PAC-400-5-102-2CR	5" Travel Rear Big Tire Drag Shock	Double Adjustable Big Tire Build/ Rear	Threaded	2.5
PAC-400-6-104-2CR	6" Travel Rear Big Tire Drag Shock	Double Adjustable Big Tire Build/ Rear	Threaded	2.5
PAC-400-7-108-2CR	7" Travel Rear Big Tire Drag Shock	Double Adjustable Big Tire Build/ Rear	Threaded	2.5
PAC-400-5-101-2CR	5" Travel Rear Small Tire Drag Shock	Double Adjustable Small Tire Build/ Rear	Threaded	2.5
PAC-400-6-103-2CR	6" Travel Rear Small Tire Drag Shock	Double Adjustable Small Tire Build/ Rear	Threaded	2.5
PAC-400-7-107-2CR	7" Travel Rear Small Tire Drag Shock	Double Adjustable Small Tire Build/ Rear	Threaded	2.5
PAC-400-6-105-3CR	6" Travel Air Assist Drag Shock	Triple Adjustable Big Tire Build/ Rear	Threaded	2.5
PAC-400-7-106-4CR	6" Travel 4-Way Adjustable Shock	4-Way Adjustable Big Tire Build/ Rear	Threaded	2.5

# Sportsman Drag Race

Part Number	Application	Description	Shock Body Finish	Spring Inside DIA
PAC-S400-6-109-CR	5.8" Travel Rear Shock	Dragster	Threaded	2.5"
PAC-S400-6-110-CR	5.8" Travel Rear Shock	Door Car	Threaded	2.5"

<b>Stroke</b>	<b>Extended Length (in)</b>	<b>Collapsed Length (in)</b>	<b>Compression Settings</b>	<b>Rebound Settings</b>	<b>Upper Mount</b>	<b>Lower Mount</b>
5.0	17.5	12.5	40	12	"A"	"A"
6.0	19.5	13.5	40	12	"A"	"A"
7.0	21.5	14.5	40	12	"A"	"A"
5.0	17.5	12.5	40	12	"A"	"A"
6.0	19.5	13.5	40	12	"A"	"A"
7.0	21.5	14.5	40	12	"A"	"A"
6.0	19.5	13.5	40	64	"A"	"A"
7.0	20.5	14.5	40	12	"A"	"A"

<b>Stroke</b>	<b>Extended Length (in)</b>	<b>Collapsed Length (in)</b>	<b>Compression Settings</b>	<b>Rebound Settings</b>	<b>Upper Mount</b>	<b>Lower Mount</b>
5.8	19.5	13.7	5	Sweep	A	A
5.8	19.5	13.7	5	Sweep	A	A



# Circle Track

<b>Part Number</b>	<b>Application</b>	<b>Description</b>	<b>Shock Body Type</b>
PAC-200-7-125TP-2CR	Dirt Late Model	Double Adj. LF	Threaded aluminum
PAC-200-7-240-2CR	Dirt Late Model	Double Adj. RF	Threaded aluminum
PAC-200-9-134-2CR	Dirt Late Model	Double Adj. LR	Threaded aluminum
PAC-200-9-241-2CR	Dirt Late Model	Double Adj. RR	Threaded aluminum
PAC-200-9-324-XX	Dirt Late Model	Base valve LR front	Threaded aluminum
PAC-200-7-180-CX	Dirt Late Model	5th coil	Threaded aluminum
PAC-200-7-128-3CR	Asphalt Late Model	Triple Adjustable LF	Threaded aluminum
PAC-200-7-130-3CR	Asphalt Late Model	Triple Adjustable RF	Threaded aluminum
PAC-200-9-129-3CR	Asphalt Late Model	Triple Adjustable LR	Threaded aluminum
PAC-200-9-131-3CR	Asphalt Late Model	Triple Adjustable RR	Threaded aluminum
PAC-200-7-149-XX	Northeastern Modified	Multiple valving options	Threaded aluminum monotube
PAC-200-9-150-XX	Northeastern Modified	Multiple valving options	Threaded aluminum monotube
PAC-200-7-237-XX	IMCA Modified	NSV Multiple valving options	Steel monotube w/schrader valve
PAC-200-9-238-XX	IMCA Modified	NSV Multiple valving options	Steel monotube w/schrader valve
PAC-200-7-260-XX	UMP, USMTS, Open Modifieds	LF Standard	Steel monotube basevalve w/schrader valve
PAC-200-7-263-XX	UMP, USMTS, Open Modifieds	LF Slick	Steel monotube basevalve w/schrader valve
PAC-200-7-262-XX	UMP, USMTS, Open Modifieds	RF Standard	Steel monotube basevalve w/schrader valve
PAC-200-7-261-XX	UMP, USMTS, Open Modifieds	RF Slick	Steel monotube basevalve w/schrader valve
PAC-200-9-266-XX	UMP, USMTS, Open Modifieds	LR Lift Arm	Steel monotube basevalve w/schrader valve
PAC-200-9-267-XX	UMP, USMTS, Open Modifieds	LR Pullbar	Steel monotube basevalve w/schrader valve
PAC-200-9-264-XX	UMP, USMTS, Open Modifieds	RR Lift Arm	Steel monotube basevalve w/schrader valve
PAC-200-9-265-XX	UMP, USMTS, Open Modifieds	RR Pullbar	Steel monotube basevalve w/schrader valve
PAC-200-7-278-XX	UMP, USMTS, Open Modifieds	5th Coil	Steel monotube basevalve w/schrader valve
PAC-200-7-244-XX	UMP, USMTS, Open Modifieds	LF Standard	Steel monotube non basevalve w/schrader valve
PAC-200-7-247-XX	UMP, USMTS, Open Modifieds	LF Slick	Steel monotube non basevalve w/schrader valve
PAC-200-7-248-XX	UMP, USMTS, Open Modifieds	LF Super Slick	Steel monotube non basevalve w/schrader valve
PAC-200-7-246-XX	UMP, USMTS, Open Modifieds	RF Standard	Steel monotube non basevalve w/schrader valve
PAC-200-7-243-XX	UMP, USMTS, Open Modifieds	RF Slick	Steel monotube non basevalve w/schrader valve
PAC-200-7-245-XX	UMP, USMTS, Open Modifieds	RF Heavy Tie Down	Steel monotube non basevalve w/schrader valve
PAC-200-7-242-XX	UMP, USMTS, Open Modifieds	RF Tight Corner	Steel monotube non basevalve w/schrader valve



# Circle Track (CONT.)

Part Number	Application	Description	Shock Body Type
PAC-200-9-249-XX	UMP, USMTS, Open Modifieds	LR Standard	Steel monotube non basevalve w/schrader valve
PAC-200-9-250-XX	UMP, USMTS, Open Modifieds	LR Slick	Steel monotube non basevalve w/schrader valve
PAC-200-9-251-XX	UMP, USMTS, Open Modifieds	LR Lift Arm	Steel monotube non basevalve w/schrader valve
PAC-200-9-252-XX	UMP, USMTS, Open Modifieds	RR Standard	Steel monotube non basevalve w/schrader valve
PAC-200-9-253-XX	UMP, USMTS, Open Modifieds	RR Slick	Steel monotube non basevalve w/schrader valve
PAC-200-9-255-XX	UMP, USMTS, Open Modifieds	RR Heavy	Steel monotube non basevalve w/schrader valve
PAC-200-9-254-XX	UMP, USMTS, Open Modifieds	RR Lift Arm	Steel monotube non basevalve w/schrader valve
PAC-200-5-198-XR	Dirt Midget	LF standard	Threaded aluminum monotube
PAC-200-5-199-XR	Dirt Midget	RF standard	Threaded aluminum monotube
PAC-200-5-200-XR	Dirt Midget	LR standard	Threaded aluminum monotube
PAC-200-5-201-XR	Dirt Midget	RR standard	Threaded aluminum monotube
PAC-200-5-202-XR	Asphalt Midget	LF standard	Threaded aluminum monotube
PAC-200-5-203-XR	Asphalt Midget	RF standard	Threaded aluminum monotube
PAC-200-5-202-XR	Asphalt Midget	LR standard	Threaded aluminum monotube
PAC-200-5-202-XR	Asphalt Midget	RR standard	Threaded aluminum monotube
PAC-200-6-210-XR	LF Non Wing Sprintcar	LF standard	Threaded aluminum monotube
PAC-200-6-211-XR	RF Non Wing Sprintcar	RF standard	Threaded aluminum monotube
PAC-200-8-212-XR	LR Non Wing Sprintcar	LR standard	Threaded aluminum monotube
PAC-200-6-213-XR	RR Non Wing Sprintcar	RR standard	Threaded aluminum monotube
PAC-200-6-214-XR	LF 360 Wing Sprintcar	LF standard	Threaded aluminum monotube
PAC-200-6-215-XR	RF 360 Wing Sprintcar	RF standard	Threaded aluminum monotube
PAC-200-8-216-XR	LR 360 Wing Sprintcar	LR standard	Threaded aluminum monotube
PAC-200-8-217-XR	RR 360 Wing Sprintcar	RR standard	Threaded aluminum monotube
PAC-200-6-218-XR	LF 410 Wing Sprintcar	LF standard	Threaded aluminum monotube
PAC-200-6-219-XR	RF 410 Wing Sprintcar	RF standard	Threaded aluminum monotube
PAC-200-8-220-XR	LR 410 Wing Sprintcar	LR standard	Threaded aluminum monotube
PAC-200-8-221-XR	RR 410 Wing Sprintcar	RR standard	Threaded aluminum monotube





<b>Spring Inside Dia</b>	<b>Stroke</b>	<b>Extended Length</b>	<b>Collapsed Length</b>	<b>Adjustable</b>	<b>Compression Adjustment "clicks"</b>	<b>Rebound Adjustment "clicks"</b>
NA	9"	24"	15"	Non	0	0
NA	9"	24"	15"	Non	0	0
NA	9"	24"	15"	Non	0	0
NA	9"	24"	15"	Non	0	0
NA	9"	24"	15"	Non	0	0
NA	9"	24"	15"	Non	0	0
NA	9"	24"	15"	Non	0	0
2.5	5"	17.5"	12.5"	Rebound	0	12
2.5	5"	17.5"	12.5"	Rebound	0	12
2.5	5"	17.5"	12.5"	Rebound	0	12
2.5	5"	17.5"	12.5"	Rebound	0	12
2.5	5"	17.5"	12.5"	Rebound	0	12
2.5	5"	17.5"	12.5"	Rebound	0	12
2.5	5"	17.5"	12.5"	Rebound	0	12
2.5	5"	17.5"	12.5"	Rebound	0	12
2.5	6"	19.5"	13.5"	Rebound	0	12
2.5	6"	19.5"	13.5"	Rebound	0	12
2.5	8"	22.5"	14.5"	Rebound	0	12
2.5	8"	22.5"	14.5"	Rebound	0	12
2.5	6"	19.5"	13.5"	Rebound	0	12
2.5	6"	19.5"	13.5"	Rebound	0	12
2.5	8"	22.5"	14.5"	Rebound	0	12
2.5	8"	22.5"	14.5"	Rebound	0	12
2.5	6"	19.5"	13.5"	Rebound	0	12
2.5	6"	19.5"	13.5"	Rebound	0	12
2.5	8"	22.5"	14.5"	Rebound	0	12
2.5	8"	22.5"	14.5"	Rebound	0	12

# Circle Track (CONT.)

Part Number	Application	Description	Shock Body Type	Spring Inside Dia
PAC-200-7-SZ-XX	Modifieds & Late Models	Multiple Valving Options	Steel monotube	NA
PAC-200-9-SZ-XX	Modifieds & Late Models	Multiple Valving Options	Steel monotube	NA
PAC-200-5-SL-XX	Modifieds & Late Models	Multiple Valving Options	Steel monotube	NA
PAC-200-6-SL-XX	Modifieds & Late Models	Multiple Valving Options	Steel monotube	NA
PAC-200-7-SL-XX	Modifieds & Late Models	Multiple Valving Options	Steel monotube	NA
PAC-200-8-SL-XX	Modifieds & Late Models	Multiple Valving Options	Steel monotube	NA
PAC-200-9-SL-XX	Modifieds & Late Models	Multiple Valving Options	Steel monotube	NA
PAC-200-7-SLS-XX	Stock Car, Modifieds, Late Models	Multiple Valving Options	Steel monotube	NA
PAC-200-9-SLS-XX	Stock Car, Modifieds, Late Models	Multiple Valving Options	Steel monotube	NA
PAC-200-SE7-6696	4 Bar Modifieds	Kit includes 10 SLS shocks	Steel monotube	NA
PAC-200-7-COB-XX	4 Bar Modifieds & Late Models	Multiple Valving Options	Steel monotube	NA
PAC-200-9-SLM-XX	4 Bar Modifieds & Late Models	Multiple Valving Options	Steel monotube	NA
PAC-200-5-SN-XX	4 Bar Modifieds, Late Models, & Sprintcars	Multiple Valving Options	Steel monotube, aluminum cap & schrader valve	NA
PAC-200-6-SN-XX	4 Bar Modifieds, Late Models, & Sprintcars	Multiple Valving Options	Steel monotube, aluminum cap & schrader valve	NA
PAC-200-7-SN-XX	4 Bar Modifieds, Late Models, & Sprintcars	Multiple Valving Options	Steel monotube, aluminum cap & schrader valve	NA
PAC-200-8-SN-XX	4 Bar Modifieds, Late Models, & Sprintcars	Multiple Valving Options	Steel monotube, aluminum cap & schrader valve	NA
PAC-200-9-SN-XX	4 Bar Modifieds, Late Models, & Sprintcars	Multiple Valving Options	Steel monotube, aluminum cap & schrader valve	NA
PAC-200-5-SNS-XX	4 Bar Modifieds, Late Models, & Sprintcars	Multiple Valving Options	Steel monotube, steel cap & schrader valve	NA
PAC-200-6-SNS-XX	4 Bar Modifieds, Late Models, & Sprintcars	Multiple Valving Options	Steel monotube, steel cap & schrader valve	NA
PAC-200-7-SNS-XX	4 Bar Modifieds, Late Models, & Sprintcars	Multiple Valving Options	Steel monotube, steel cap & schrader valve	NA
PAC-200-8-SNS-XX	4 Bar Modifieds, Late Models, & Sprintcars	Multiple Valving Options	Steel monotube, steel cap & schrader valve	NA
PAC-200-9-SNS-XX	4 Bar Modifieds, Late Models, & Sprintcars	Multiple Valving Options	Steel monotube, steel cap & schrader valve	NA
PAC-200-6-XVS-XX	4 Bar Modifieds & Late Models	Multiple Valving Options	Steel monotube w/ schrader valve	NA
PAC-200-7-XVS-XX	4 Bar Modifieds & Late Models	Multiple Valving Options	Steel monotube w/ schrader valve	NA

# BILSTEIN

## SHOCK ABSORBERS

Stroke	Extended Length	Collapsed Length	Adjustable	Compression Adjustment "clicks"	Rebound Adjustment "clicks"	Valving Type
7"	20"	13.14"	Non	0	0	Digressive
9"	23.44"	14.94"	Non	0	0	Digressive
5"	16.25"	11.25"	Non	0	0	Linear
6"	18.25"	12"	Non	0	0	Linear
7"	20"	13.14"	Non	0	0	Linear
8"	22.25"	14"	Non	0	0	Linear
9"	23.44"	14.94"	Non	0	0	Linear
7"	13.14"	13.14"	Non	0	0	Linear
9"	14.94"	14.94"	Non	0	0	Linear
7" & 9"	see above	see above	Non	0	0	Linear
7"	20"	13.14"	Non	0	0	Digressive
9"	23.44"	14.94"	Non	0	0	Linear
5"	16.32"	11.48"	Non	0	0	Linear or Digressive options
6"	18.13"	12.42"	Non	0	0	Linear or Digressive options
7"	20.08"	13.50"	Non	0	0	Linear or Digressive options
8"	22.07"	14.47"	Non	0	0	Linear or Digressive options
9"	23.44"	15.16"	Non	0	0	Linear or Digressive options
5"	16.32"	11.48"	Non	0	0	Linear or Digressive options
6"	18.13"	12.42"	Non	0	0	Linear or Digressive options
7"	20.08"	13.50"	Non	0	0	Linear or Digressive options
8"	22.07"	14.47"	Non	0	0	Linear or Digressive options
9"	23.44"	15.16"	Non	0	0	Linear or Digressive options
6"	19.31"	13.35"	Non	0	0	Linear or Digressive options
7"	20.16"	15.24"	Non	0	0	Linear or Digressive options



# Circle Track (CONT.)

<b>Part Number</b>	<b>Application</b>	<b>Description</b>	<b>Shock Body Type</b>	<b>Spring Inside Dia</b>
PAC-200-7.5-XVS-XX	4 Bar Modifieds & Late Models	Multiple Valving Options	Steel monotube w/ schrader valve	NA
PAC-200-9-XVS-XX	4 Bar Modifieds & Late Models	Multiple Valving Options	Steel monotube w/ schrader valve	NA
PAC-200-6-ASB-XX	Sprintcars, Midgets, & Mini-Sprints	Multiple Valving Options	Threaded aluminum monotube	1.875"
PAC-200-7-ASB-XX	Sprintcars, Midgets, & Mini-Sprints	Multiple Valving Options	Threaded aluminum monotube	1.875"
PAC-200-4-ASN-XX	Modifieds, Late Models, & Sprintcars	Multiple Valving Options	Threaded aluminum monotube	2.5"
PAC-200-5-ASN-XX	Modifieds, Late Models, & Sprintcars	Multiple Valving Options	Threaded aluminum monotube	2.5"
PAC-200-6-ASN-XX	Modifieds, Late Models, & Sprintcars	Multiple Valving Options	Threaded aluminum monotube	2.5"
PAC-200-7-ASN-XX	Modifieds, Late Models, & Sprintcars	Multiple Valving Options	Threaded aluminum monotube	2.5"
PAC-200-8-ASN-XX	Modifieds, Late Models, & Sprintcars	Multiple Valving Options	Threaded aluminum monotube	2.5"
PAC-200-9-ASN-XX	Modifieds, Late Models, & Sprintcars	Multiple Valving Options	Threaded aluminum monotube	2.5"
PAC-200-7-BGT-XX	Super Late Models, Sprintcars, Dirt Late Models, Big Block Modifieds	Multiple Valving Options	Threaded aluminum monotube	2.5"
PAC-200-9-BGT-XX	Super Late Models, Sprintcars, Dirt Late Models, Big Block Modifieds	Multiple Valving Options	Threaded aluminum monotube	2.5"

# BILSTEIN

## SHOCK ABSORBERS

<b>Stroke</b>	<b>Extended Length</b>	<b>Collapsed Length</b>	<b>Adjustable</b>	<b>Compression Adjustment "clicks"</b>	<b>Rebound Adjustment "clicks"</b>	<b>Valving Type</b>
7.5"	22.78"	15.24"	Non	0	0	Linear or Digressive options
9"	23.76"	15.24"	Non	0	0	Linear or Digressive options
6"	17.32"	11.44"	Non	0	0	Linear or Digressive options
7"	20.08"	12.81"	Non	0	0	Linear or Digressive options
4"	14.23"	10.45"	Non	0	0	Linear or Digressive options
5"	16.25"	11.25"	Non	0	0	Linear or Digressive options
6"	18.37"	12.66"	Non	0	0	Linear or Digressive options
7"	20.23"	13.35"	Non	0	0	Linear or Digressive options
8"	22.26"	14.70"	Non	0	0	Linear or Digressive options
9"	23.60"	15.08"	Non	0	0	Linear or Digressive options
7"	21.75"	14.75"	Non	0	0	NA
9"	25.25"	16.75"	Non	0	0	NA

# Street Car

Part Number	Application	Description	Shock Body Finish	Spring Inside DIA
PAC-100-4-139-2CR	C5/C6 Corvette	Front - Double Adjustable	Threaded	Call
PAC-100-4-152-XX	Coilover Conversion	Front - Non Adjustable w/2.50" Spring Hardware	Threaded	2.5
PAC-100-4-151-XX	Coilover Conversion	Rear - Non Adjustable w/2.50" Spring Hardware	Threaded	2.5
PAC-100-4-149-XX	Coilover Conversion	Front - Non Adjustable w/2.50" Spring Hardware	Threaded	2.5
PAC-100-4-148-XX	Coilover Conversion	Front - Non Adjustable w/2.50" Spring Hardware	Threaded	2.5
PAC-100-4-185-2CR	Coilover Conversion	Front - Double Adj. Remote Reservoir w/2.50" Spring Hardware	Threaded	2.5
PAC-100-4-173-2CR	Coilover Conversion	Rear - Double Adj. w/2.50" Spring Hardware	Threaded	2.5
PAC-100-4-172-2CR	Coilover Conversion	Rear - Double Adj. Remote Reservoir w/2.50" Spring Hardware	Threaded	2.5
PAC-100-4-142-CX	Coilover Conversion	Front - Single Adj. w/2.50" Spring Hardware	Threaded	2.5
PAC-100-4-141-CX	Coilover Conversion	Rear - Single Adj. w/2.50" Spring Hardware	Threaded	2.5
PAC-100-5-208-2CR	03-'08 Viper	Front/Rear - Double Adj. Remote Reservoir w/2.25" Spring Hardware	Threaded	2.25
PAC-100-6-169-XX	65-'73 Mustang	Rear - Non Adjustable	Threaded	N/A
PAC-100-6-155-CX	Coilover Conversion	Rear - Single Adj. w/2.50" Spring Hardware	Threaded	2.5
PAC-100-8-168-XX	SRT-10 Truck	Rear - Non Adjustable	Threaded	N/A
PAC-100-9-167-XX	SRT-10 Truck	Kicker - Non Adjustable	Threaded	N/A
PAC-100-3.75-137-CR	C5/C6 Corvette	Rear - Double Adjustable	Threaded	Call
PAC-100-4.5-166-XX	SRT-10 Truck	Front - Non Adjustable	Threaded	N/A
PAC-100-4.75-146-XX	Coilover Conversion	Rear - Non Adjustable w/2.50" Spring Hardware	Threaded	2.5
PAC-100-4.75-182-2CR	Coilover Conversion	Rear - Double Adj. w/2.50" Spring Hardware	Threaded	2.5
PAC-100-4.75-181-2CR	Coilover Conversion	Rear - Double Adj. Remote Reservoir w/2.50" Spring Hardware	Threaded	2.5
PAC-100-4.75-145-CX	Coilover Conversion	Rear - Single Adj. w/2.50" Spring Hardware	Threaded	2.5
PAC-100-5.5-200-2CR	5th Gen Camaro Platform	Double Adj Platform Including Springs and Mounting Hardware	Threaded	2.5
PAC-100-6.5-201-2CX	S-197 Platform	Double Adj Platform Including Springs and Mounting Hardware	Threaded	2.5/2.25

Stroke	Extended Length (in)	Collapsed Length (in)	Compression Settings	Rebound Settings	Upper Mount	Lower Mount
4.0	17.375	13.375	30	12	"J"	"G"
4.0	14.25	10.25	0	0	"A" or "K"	"A" or "K"
4.0	14.25	10.25	0	0	"A" or "K"	"A" or "K"
4.0	15.1	11.1	0	0	"A" or "K"	"A" or "K"
4.0	15.1	11.1	0	0	"A" or "K"	"A" or "K"
4.0	15.1	11.1	30	12	"B"	"B"
4.0	15.1	11.1	30	12	"B"	"B"
4.0	15.1	11.1	30	12	"B"	"B"
4.0	15.1	11.1	50	0	"A" or "K"	"A" or "K"
4.0	15.1	11.1	50	0	"A" or "K"	"A" or "K"
5/3.75	16/14.375	11/10.625	30	12	"B"	"A" or "L"
6.0	21.25	15.25	0	0	"J"	"J"
6.0	19.625	13.625	50	0	"B"	"B"
8.0	23.5	15.5	0	0	"F"	"F"
9.0	26.275	17.275	0	0	"F"	"F"
3.8	17.5	13.75	30	12	"J"	"L"
4.5	17.6	13.1	0	0	.625" Bayonet	"G"
4.8	16.125	11.375	0	0	"A" or "K"	"A" or "K"
4.8	16.125	11.375	30	12	"B"	"B"
4.8	16.125	11.375	30	12	"B"	"B"
4.8	16.125	11.375	50	0	"A" or "K"	"A" or "K"
5.5/4	23.750/15.625	18.250/11.625	30	12	"H" or "A"	"M" or "F"
6.50/6.25	25.30/20	18.80/13.750	30	0	"H"	"M" or "E"



# Motorcycle

Part Number	Application	Description	Shock Body Finish	Spring Inside DIA
PAC-500-2-102-XR	Hyabusa/ZX14R Drag Shock	Single Adjustable - Rebound - Hayabusa Drag	Threaded	2.0
PAC-500-2-106-2CR	Hyabusa/ZX14R Drag Shock	Double Adjustable - Hayabusa Drag	Threaded	2.0
PAC-500-2-109-XR	GSXR 1000 Drag Shock	Single Adjustable - Rebound - GSXR 1000 Drag	Threaded	2.0
PAC-500-2-110-2CR	GSXR 1000 Drag Shock	Double Adjustable - GSXR 1000 Drag	Threaded	2.0
PAC-500-2.5-114-3CR	GSXR 1000 Road Race Shock	Triple Adjustable - GSXR 1000	Threaded	2.0
PAC-500-2.5-122-3CR	YZF R6 Road Race Shock	Triple Adjustable - YZF R6	Threaded	2.0
PAC-500-2.5-124-3CR	GSXR 600/750 Road Race Shock	Triple Adjustable - GSXR 600/750	Threaded	2.0
PAC-500-2.9-126-3CR	SV650 Road Race Shock	Double Adjustable - SV 650	Threaded	2.0
PAC-500-5.6-112-3CR	YZ 450F MotoCross Shock	Triple Adjustable - YZ 450F MX	Threaded	2.0
PAC-500-4-188-2CR	CRF 450TT ATV Rear Shock	Double Adjustable - CRF 450TT Rear	Threaded	2.0
PAC-500-5-107-3CR	CRF 450TT ATV Front Shock	Triple Adjustable - CRF 450 TT Front	Threaded	2.0
PAC-500-2.5-140-3CR	Triumph 675 Street Shock	Triple Adjustable - Triumph 675	Threaded	2.0

# UTV & ATV Off Road

Part Number	Application	Description	Shock Body Finish	Spring Inside DIA
PAC-700-9-101-CX	Arctic Cat Wildcat	Shaft Adjustable Compression, 2" Body, 2.5" Reservoir, w/ Spring, (Front)	Threaded	2.5"
PAC-700-9-102-CX	Arctic Cat Wildcat	Shaft Adjustable Compression, 2.5" Body, 2.5" Reservoir, w/ Spring, (Rear)	Threaded	3"
PAC-700-6-103-CX	Can-Am Commander	Shaft Adjustable Compression, 2.5" Body, 2.5" Reservoir, w/ Spring, (Front)	Threaded	3"
PAC-700-6-104-CX	Can-Am Commander	Shaft Adjustable Compression, 2.5" Body, 2.5" Reservoir, w/ Spring, (Rear)	Threaded	3"
PAC-700-7.5-105-CX	Can-Am Maverick	Shaft Adjustable Compression, 2.5" Body, 2.5" Reservoir, w/ Spring, (Front)	Threaded	3"
PAC-700-8-106-CX	Can-Am Maverick	Shaft Adjustable Compression, 2.5" Body, 2.5" Reservoir, w/ Spring, (Rear)	Threaded	3"
PAC-700-7.5-107-CX	Can-Am Maverick Max	Shaft Adjustable Compression, 2.5" Body, 2.5" Reservoir, w/ Spring, (Front)	Threaded	3"
PAC-700-8-108-CX	Can-Am Maverick Max	Shaft Adjustable Compression, 2.5" Body, 2.5" Reservoir, w/ Spring, (Rear)	Threaded	3"
PAC-700-7-109-CX	Polaris XP2 900	Shaft Adjustable Compression, 2.5" Body, 2.5" Reservoir, w/ Spring, (Front)	Threaded	3"
PAC-700-8-110-CX	Polaris XP2 900	Shaft Adjustable Compression, 2.5" Body, 2.5" Reservoir, w/ Spring, (Rear)	Threaded	3"
PAC-700-7-111-CX	Polaris XP4 900	Shaft Adjustable Compression, 2.5" Body, 2.5" Reservoir, w/ Spring, (Front)	Threaded	3"
PAC-700-8-112-CX	Polaris XP4 900	Shaft Adjustable Compression, 2.5" Body, 2.5" Reservoir, w/ Spring, (Rear)	Threaded	3"

Stroke	Extended Length (in)	Collapsed Length (in)	Compression Settings	Rebound Settings	Upper Mount	Lower Mount
2.0	12.5	10.5	0	50	"D"	"D"
2.0	12.5	10.5	18	50	"D"	"D"
2.0	12.25	10.25	0	50	"D"	"D"
2.0	12.25	10.25	18	50	"D"	"D"
2.5	12.5	10	240	50	"D"	"D"
2.5	11.4	8.9	240	50	"D"	"E"
2.5	12.5	10	240	50	"D"	"D"
2.9	13	10.1	18	50	"D"	"D"
5.6	18.1	12.5	240	50	"D"	"D"
4.0	17	13	18	50	"D"	"D"
5.0	16	11	240	50	"D"	"D"
2.5	11.5	9	240	50	"D"	"D"

Stroke	Extended Length (in)	Collapsed Length (in)	Compression Settings	Rebound Settings	Upper Mount	Lower Mount
8.82	25.10	16.280	70 Positions	NA	"D"	"D"
8.90	28.86	19.960	70 Positions	NA	"D"	"K"
6.147	20.25	14.103	70 Positions	NA	"D"	"D"
5.860	20.25	14.390	70 Positions	NA	"D"	"D"
7.530	22.046	14.516	70 Positions	NA	"D"	"D"
8.00	22.965	14.965	70 Positions	NA	"D"	"D"
7.530	22.046	14.516	70 Positions	NA	"E"	"E"
8.00	22.965	14.965	70 Positions	NA	"E"	"E"
6.785	22.875	16.090	70 Positions	NA	"D"	"D"
7.785	22.750	14.965	70 Positions	NA	"D"	"E"
6.785	22.875	16.090	70 Positions	NA	"D"	"D"
7.785	22.750	14.965	70 Positions	NA	"D"	"E"



Proudly made in the U.S.A



# **FK** ROD ENDS

AUTHORIZED DISTRIBUTOR

## FITS FK OFFERS



- LONGEST LIFE IN EXTREME/DIRT RACING!
- Super tight fit
- Not really able to move the ball by hand.
- Used in suspensions and control arms.
- Over time, it has a chance to burnish in (loosen up) and works very smoothly.



- Tight fit but can still move the ball by hand.
- Used in sway bars and shifters.
- Snug but not over-tight and not usually load bearing.



- As with all Teflon liners, it helps the wear of the rod.
- Promotes longer life due to its self-lubricating properties.



# ROD ENDS



Thread Size Vs. Hole Size (All fine threads unless specified)																	
Size (Hole)	JM	JMX	JF	JFX	KMX	ALJM	ALJMH	ALJF	RSM	RSMX	ALRSM	HJMX-T	HRSMX-T	PMX-T	SJM-T	SRSM-T	SJF-T
5 (.3125)	5/16	5/16	5/16	5/16	5/16	5/16		5/16	3/8	3/8	3/8			5/16	5/16		5/16
6 (.250)	3/8	3/8	3/8	3/8	3/8	3/8		3/8	1/2	1/2	1/2	3/8	7/16	3/8	3/8	7/16	3/8
7 (.4375)	7/16	7/16	7/16	7/16		7/16			1/2	1/2	1/2	7/16	1/2	7/16	7/16	1/2	7/16
8 (.500)	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5/8	5/8	5/8	1/2	5/8	1/2	1/2	5/8	1/2
8-6 (.375)		1/2						1/2			5/8						
10 (.625)	5/8	5/8	5/8	5/8	5/8	5/8	5/8		3/4	3/4	3/4	5/8	3/4	5/8	5/8	3/4	5/8
10-8 (.500)									5/8		3/4	3/4					
12 (.75)	3/4	3/4	3/4	3/4	3/4	3/4	3/4		7/8			3/4	7/8	3/4	3/4		3/4
12-8 (.500)									3/4								
12-10 (.625)									3/4								
14 (.875)		7/8						7/8		1-14							
16 (1.00)	1.25-12	1.25-12	1.25-12	1.25-12	1.25-12												
16-1 (1.00)	1-14	1-14	1-14	1-14													
16-2 (1.00)	1-12		1-12														
24-1 (1.50)				1.5-12													

All Products listed are available with teflon lined race, denote with a suffix of T, Ex. JMX10T  
 To denote a left handed rod end, add an L before the size designation, Ex. JMXL10T  
 For all technical details, visit [www.fkrodends.com](http://www.fkrodends.com) for more information.

## Spherical Bearings

Table shows Ultimate Static Radial Load

Size (Hole)	AIN	WSSX-T / WSSX-TV	COM*	FKS	FKSSX	HIN-T
3 (.1875)	6550	2500	3250	6480	4800	
4 (.250)	8427	5500	4950	10000	7400	7560
5 (.3125)	12912	9400	6475	13900	9700	
6 (.250)	17512	13700	8400	18000	11900	16983
7 (.4375)	21290	20700	9453	22300	14180	19023
8 (.500)	28110	21400	13250	26900	17900	25275
9 (.5625)		26600	16630	36000	24900	
10 (.625)	37930	29000	21280	48000	31900	44652
12 (.75)	48675	37000	31920	78000	47850	53716
14 (.875)	48675	65200	41960	103000	62900	
14T-770 (.875)	58650			125000	82800	
16 (1.00)	90000	104000	55200			
24 (1.50)		281531				

\* Additional sizes available other than listed here, see FK Bearings website for complete product list.



## Racing Application Rod Ends

Series	Description
JM	3 Piece, Precision Male, Low Carbon Steel Body
JMX	<b>3 Piece, Precision Male, Alloy Body</b>
JF	3 Piece, Precision Female, Low Carbon Steel Body
JFX	3 Piece, Precision Female, Alloy Body
KMX	<b>3 Piece, Alloy Steel, Nylon Race</b>
ALJM	3 Piece, Aluminum Body, Male
ALJMH	3 Piece, Aluminum Heavy Duty, Male
ALJF	3 Piece, Aluminum Body, Female
RSM	<b>3 Piece, Low Carbon Steel Body, Heavy Shank</b>
RSMX	<b>3 Piece, Alloy Steel Body, Heavy Shank</b>
ALRSM	3 Piece, Aluminum Body, Heavy Shank
HJMX-T	3 Piece, High Misalignment, Teflon
HRSMX-T	3 Piece, High Misalignment, Heavy Shank, Teflon
HIN-T	Spherical Bearing, High Misalignment
PMX-T	3 Piece, Performance Racing, Alloy Body, Teflon
SJM-T	3 Piece, Stainless Body, Male, Teflon
SRSM-T	3 Piece, Stainless Body, Heavy Shank, Male, Teflon
SJF-T	3 Piece, Stainless Body, Female, Teflon
COM	Spherical Bearing, Low Carbon Steel Race
FKS	Spherical Bearing, Alloy Steel Race
FKSSX	Spherical Bearing, Stainless Steel Race
WSSX-T	Spherical Bearing, Wide Series, Plain, Teflon
WSSX-TV	Spherical Bearing, Wide Series, Grooved, Teflon
AIN	Spherical Bearing, Alloy Steel Race, Heavy Duty

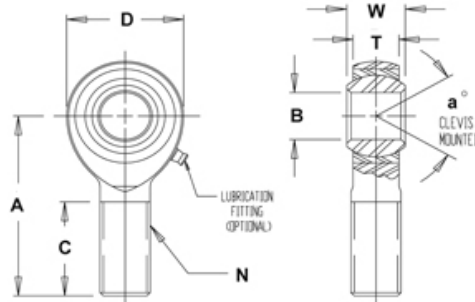
Additional rod ends available, visit [www.fkrodends.com](http://www.fkrodends.com) for a complete product list.

### JM

- 3-Piece, precision wear resistant rod ends
- Ball is made of 52100 steel, heat treated and hard chrome plated
- Race is heat treated steel alloy, zinc plated and chromate treated
- Body is low carbon steel, zinc plated and chromate treated
- Teflon liners available

### JMX

- 3-Piece, precision wear resistant rod ends
- Ball is made of 52100 steel, heat treated and hard chrome plated
- Race is heat treated steel alloy, zinc plated and chromate treated
- Body is alloy steel, heat treated, zinc plated and chromate treated
- Teflon liners available



MALE ROD ENDS SIZE	B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	a° MIS ANGLE	ULT. STATIC RADIAL LOAD (LBS)		AP-PROX. WEIGHT (lbs.)
	+0.015 -0.005	+0.010 -0.010	+0.000 -0.005	+0.005 -0.005	REF.	+0.015 -0.015	UNF 3A	+0.062 -0.031	REF.	JM	JMX	
2	0.1250	0.500	0.250	0.187	0.312	0.937	6-32UNC	0.526	16	500	-	0.013
3	0.1900	0.625	0.312	0.250	0.437	1.250	10-32	0.750	13	1,174	2,855	0.030
4	0.2500	0.750	0.375	0.281	0.500	1.562	1/4-28	1.000	16	2,168	5,262	0.040
5	0.3125	0.875	0.437	0.344	0.625	1.875	5/16-24	1.250	14	2,796	7,640	0.070
6	0.3750	1.000	0.500	0.406	0.719	1.938	3/8-24	1.250	12	4,012	9,550	0.110
7	0.4375	1.125	0.562	0.437	0.812	2.125	7/16-20	1.375	14	4,244	10,290	0.160
8	0.5000	1.312	0.625	0.500	0.937	2.438	1/2-20	1.500	12	6,700	16,242	0.250
8-6	0.3750	1.312	0.625	0.500	0.937	2.438	1/2-20	1.500	12	-	16,242	0.270
10	0.6250	1.500	0.750	0.562	1.125	2.625	5/8-18	1.625	16	7,400	17,959	0.380
12	0.7500	1.750	0.875	0.687	1.312	2.875	3/4-16	1.750	14	11,550	28,090	0.600
14	0.8750	2.000	0.875	0.687	1.312	3.375	7/8-14	1.875	12	-	55,690	0.910
14T-770	0.8750	2.000	0.875	0.770	1.375	3.375	7/8-14	1.875	12	-	45,051	0.910
16**	1.0000	2.950	1.375	1.015	1.875	4.500	1 1/4-12	2.500	17	43,555	107,182	2.736
16-1**	1.0000	2.950	1.375	1.015	1.875	4.500	1-14	2.500	17	43,555	107,182	2.464
16-2**	1.0000	2.950	1.375	1.015	1.875	4.500	1-14	2.500	17	43,555	-	2.464

MALE ROD END LOAD RATINGS BASED ON NO LUBRICATION FITTING. FOR LOAD RATINGS OF ROD ENDS WITH LUBRICATOR, PLEASE CONTACT THE F.K. ENGINEERING DEPARTMENT.

\*\* TOLERANCE VARIATION: "D", "A" ARE +/- .020  
"T" TOLERANCE ON JM SERIES IS +/- .015

#### NOTES:

- FOR GREASE FITTINGS ADD "Z" TO SUFFIX - EXAMPLE: JMX6Z
- FOR STUDS ADD "Y" TO SUFFIX - EXAMPLE: JMX5Y
- FOR TEFLON LINER ADD "T" TO SUFFIX - EXAMPLE: JMX12T

BODY	
JM	LOW CARBON STEEL, ZINC PLATED, CHROMATE TREATED AVAILABLE IN SIZES 2-16
JMX	ALLOY STEEL, HEAT TREATED, ZINC PLATED, CHROMATE TREATED AVAILABLE IN SIZES 3-16

MATERIALS	
BALL	RACE
52100 STEEL Rc 56 MIN. HARD HARD CHROME PLATED	STEEL ALLOY, HEAT TREATED ZINC PLATED CHROMATE TREATED

# JF / JFX

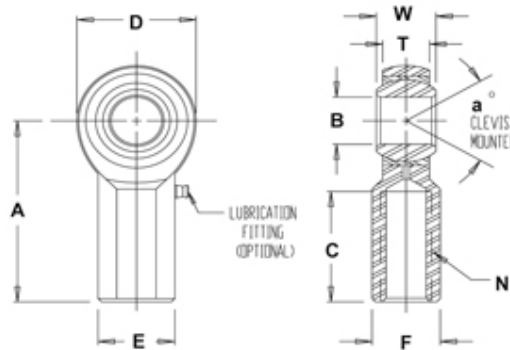
3-PIECE, PRECISION-WEAR RESISTANT / PTFE LINERS AVAILABLE

## JF

- 3-Piece, precision wear resistant rod ends
- Ball is made of 52100 steel, heat treated and hard chrome plated
- Race is heat treated steel alloy, and zinc plated
- Body is low carbon steel, zinc plated and chromate treated
- Teflon liners available

## JFX

- 3-Piece, precision wear resistant rod ends
- Ball is made of 52100 steel, heat treated and hard chrome plated
- Race is heat treated steel alloy, and zinc plated and chromate treated
- Body is alloy steel, heat and chromate treated and zinc plated
- Teflon liners available



FEMALE ROD ENDS SIZE	B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	E DIA.	F FLAT	a° MIS ANGLE	ULT. STATIC RADIAL LOAD (LBS.)		APPROX. WEIGHT (lbs.)
	+0.015 -0.0005	+0.10 -0.10	+0.000 -0.005	+0.005 -0.005	REF.	+0.15 -0.15	UNF 2B	+0.062 -0.031	+0.10 -0.10	+0.10 -0.10	REF.	JF	JFX	
2*	0.1250	0.500	0.250	0.187	0.312	0.812	6-32UNC	0.437	0.312	0.250	16	1,210	-	0.02
3	0.1900	0.625	0.312	0.250	0.437	1.062	10-32	0.500	0.406	0.312	13	1,624	3,736	0.04
4	0.2500	0.750	0.375	0.281	0.500	1.312	1/4-28	0.687	0.469	0.375	16	2,545	6,195	0.06
5	0.3125	0.875	0.437	0.344	0.625	1.375	5/16-24	0.687	0.500	0.437	14	3,200	7,640	0.09
6	0.3750	1.000	0.500	0.406	0.719	1.625	3/8-24	0.812	0.687	0.562	12	3,950	9,550	0.15
7	0.4375	1.125	0.562	0.437	0.812	1.812	7/16-20	0.937	0.750	0.625	14	4,300	10,290	0.20
8	0.5000	1.312	0.625	0.500	0.937	2.125	1/2-20	1.062	0.875	0.750	12	6,700	15,340	0.33
10	0.6250	1.500	0.750	0.562	1.125	2.500	5/8-18	1.375	1.000	0.875	16	7,400	17,959	0.48
12	0.7500	1.750	0.875	0.687	1.312	2.875	3/4-16	1.562	1.125	1.000	14	11,550	28,090	0.72
16**	1.0000	2.750	1.375	1.000	1.875	4.125	1 1/4-12	2.125	1.625	1.500	17	40,893	76,205	2.13
16-1**	1.0000	2.750	1.375	1.000	1.875	4.125	1-14	2.125	1.625	1.500	17	43,555	76,205	2.41
16-2**	1.0000	2.750	1.375	1.000	1.875	4.125	1-12	2.125	1.625	1.500	17	43,555	-	2.41
24-1	1.5000	3.500	1.312	1.125	2.155	5.375	1 1/2-12	2.625	2.250	2.000	6.5	-	138,800	6.50

\*GREASE FITTINGS & PTFE LINERS NOT AVAILABLE.

\*\* TOLERANCE VARIATION: "D", "A" ARE +/- .020

"T" TOLERANCE ON JM SERIES IS +/- 0.015

### NOTES:

FOR GREASE FITTINGS ADD "Z" TO SUFFIX. -EXAMPLE: JF6Z

FOR STUDS ADD "Y" TO SUFFIX. -EXAMPLE: JF5Y

FOR TEFLON LINER ADD "T" TO SUFFIX. -EXAMPLE: JF12T

FOR LEFT HAND THREADS ADD "L" TO PREFIX. -EXAMPLE: JFL8

### BODY

JF LOW CARBON STEEL, ZINC PLATED, CHROMATE TREATED  
AVAILABLE IN SIZES 2-16

JFX ALLOY STEEL, HEAT TREATED, ZINC PLATED, CHROMATE TREATED  
AVAILABLE IN SIZES 3-16

### MATERIALS

#### BALL

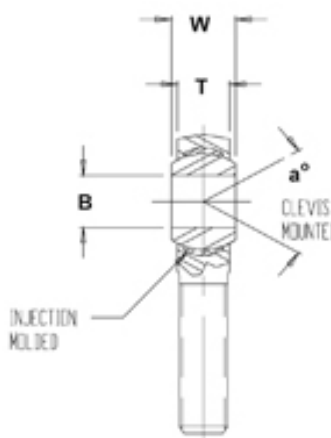
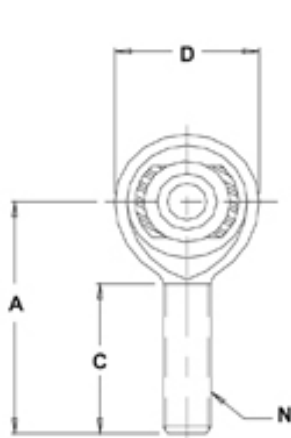
52100 STEEL  
Rc 56 MIN. HARD  
HARD CHROME PLATED

#### RACE

STEEL ALLOY, HEAT TREATED  
ZINC PLATED

**KMX**

- 3 Piece injected nylon series
- Ball made of 52100 hard chrome plated steel
- Body constructed using alloy steel, heat treated and chrome plated
- Race is made of Nylon 10 or equivalent
- Imported Series



MALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	a° MIS. ANGLE	ULT. STATIC RADIAL LOAD (lbs)	APPROX. WEIGHT (lbs)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+ .0025 - .0005	+ .010 - .010	+ .005 - .005	+ .005 - .005	REF.	+ .015 - .015	UNF 3A	+ .062 - .031	REF.		
KMX5	KMXL5	0.3125	0.875	0.437	0.344	0.625	1.875	5/16-24	1.250	14	7,600	0.07
KMX6-5	KMXL6-5	0.3125	0.875	0.437	0.344	0.625	1.875	3/8-24	1.250	14	7,600	0.07
KMX6	KMXL6	0.3750	1.000	0.500	0.406	0.719	1.938	3/8-24	1.250	12	9,500	0.11
KMX8	KMXL8	0.5000	1.312	0.625	0.500	0.937	2.438	1/2-20	1.500	12	12,696	0.24
KMX10-8	KMXL10-8	0.5000	1.500	0.625	0.500	0.937	2.625	5/8-18	1.625	12	19,960	0.36
KMX10	KMXL10	0.6250	1.500	0.750	0.562	1.125	2.625	5/8-18	1.625	16	14,480	0.36
KMX12-8	KMXL12-8	0.5000	1.750	0.750	0.562	1.125	2.875	3/4-16	1.750	14	23,256	0.57
KMX12-10	KMXL12-10	0.6250	1.750	0.750	0.562	1.125	2.875	3/4-16	1.750	14	23,256	0.57
KMX12	KMXL12	0.7500	1.750	0.875	0.687	1.312	2.875	3/4-16	1.750	14	23,192	0.57
KMX14	KMXL14	0.8750	2.000	0.875	0.770	1.375	3.375	7/8-14	2.000	12	45,051	0.88
KMX16	KMXL16	1.0000	2.750	1.375	1.000	1.875	4.125	1.250-12	2.125	17	76,200	2.41

FOR STUDS ADD "Y" TO SUFFIX. EXAMPLE - KMX10Y

**MATERIALS**

BALL	RACE	RACE
52100 STEEL Rc 56 MIN. HARD HARD CHROME PLATED	STEEL ALLOY, HEAT TREATED CHROME PLATED	NYLON 10 OR EQUIVALENT



# ALJM / ALJM-H / ALJF

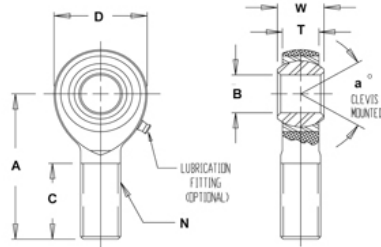
3-PIECE, ALUMINUM SERIES / PTFE LINERS AVAILABLE

## ALJM & ALJM-H

- 3-Piece, precision wear resistant rod ends
- Ball is made of 52100 steel, heat treated and hard chrome plated
- Race is heat treated steel alloy, and zinc plated and chromate treated
- Body is 7075-T6 aluminum with hard red anodized finish
- Teflon liners available- add H for heavy duty

## ALJF

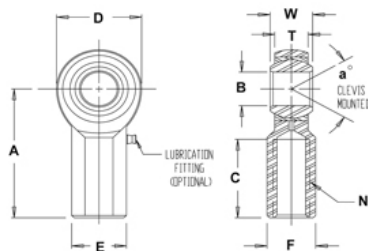
- 3-Piece, precision wear resistant rod ends
- Ball is made of 52100 steel, heat treated and hard chrome plated
- Race is heat treated steel alloy, and zinc plated
- Body is 7075-T6 aluminum with hard red anodized finish
- Teflon liner available



### MATERIALS

BALL	BODY	RACE
52100 STEEL Rc 56 MIN. HARD HARD CHROME PLATED	ALUMINUM 7075-T6 HARD ANODIZED RED	ALLOY STEEL, HEAT TREATED ZINC PLATED CHROMATE TREATED

MALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	a° MIS ANG	ULT. STATIC RADIAL LOAD (lbs.)	APPROX. WEIGHT (lbs.)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.015 -0.005	+0.10 -0.10	+0.00 -0.005	+0.005 -0.005	REF.	+0.15 -0.15	UNF 3A	+0.062 -0.031	REF.		
ALJM3	ALJML3	0.1900	0.625	0.312	0.250	0.437	1.250	10-32	0.750	13	1,360	0.022
ALJM4	ALJML4	0.2500	0.750	0.375	0.281	0.500	1.562	1/4-28	1.000	16	2,465	0.034
ALJM5	ALJML5	0.3125	0.875	0.437	0.344	0.625	1.875	5/16-24	1.250	14	2,850	0.050
ALJM6	ALJML6	0.3750	1.000	0.500	0.406	0.719	1.938	3/8-24	1.250	12	4,208	0.078
ALJM7	ALJML7	0.4375	1.125	0.562	0.437	0.812	2.125	7/16-20	1.375	14	4,534	0.091
ALJM8	ALJML8	0.5000	1.312	0.625	0.500	0.937	2.438	1/2-20	1.500	12	7,698	0.140
ALJM8H	ALJML8H	0.5000	1.500	0.625	0.500	0.937	2.625	1/2-20	1.562	12	10,150	0.140
ALJM10	ALJML10	0.6250	1.500	0.750	0.562	1.125	2.625	5/8-18	1.625	16	8,516	0.240
ALJM10H	ALJML10H	0.6250	1.750	0.750	0.562	1.125	2.625	5/8-18	1.625	16	16,200	0.268
ALJM12	ALJML12	0.7500	1.750	0.875	0.687	1.312	2.875	3/4-16	1.750	14	13,319	0.300
ALJM12H	ALJML12H	0.7500	2.000	0.875	0.687	1.312	3.000	3/4-16	1.750	14	23,390	0.300



### NOTES:

FOR STUDS ADD "Y" TO SUFFIX - EXAMPLE: ALJM4Y  
 FOR TEFLON LINER ADD "T" TO SUFFIX - EXAMPLE: ALJM5T  
 FOR GREASE FITTING ADD "Z" TO SUFFIX - EXAMPLE: ALJM6Z

### MATERIALS

BALL	BODY	RACE
52100 STEEL Rc 56 MIN. HARD HARD CHROME PLATED	ALUMINUM 7075-T6 HARD ANODIZED RED	ALLOY STEEL, HEAT TREATED ZINC PLATED CHROMATE TREATED

FEMALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	E DIA.	F FLAT	a° MIS ANG	ULT. STATIC RADIAL LOAD (lbs.)	APPROX. WEIGHT (lbs.)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.015 -0.005	+0.10 -0.10	+0.00 -0.005	+0.015 -0.015	REF.	+0.15 -0.15	UNF 2B	+0.062 -0.031	+0.10 -0.10	+0.010 -0.010	REF.		
ALJF3	ALJFL3	0.1900	0.625	0.312	0.250	0.437	1.062	10-32	0.500	0.406	0.312	13	1,360	0.022
ALJF4	ALJFL4	0.2500	0.750	0.375	0.281	0.500	1.312	1/4-28	0.687	0.469	0.375	16	2,592	0.034
ALJF5	ALJFL5	0.3125	0.875	0.437	0.344	0.625	1.375	5/16-24	0.687	0.500	0.437	14	2,890	0.050
ALJF6	ALJFL6	0.3750	1.000	0.500	0.406	0.719	1.625	3/8-24	0.812	0.687	0.562	12	3,952	0.088
ALJF8	ALJFL8	0.5000	1.312	0.625	0.500	0.937	2.125	1/2-20	1.062	0.875	0.750	12	7,006	0.186

# RSM / RSMX

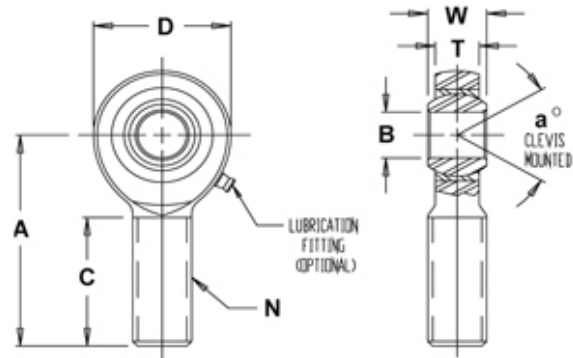
BODY - LOW CARBON STEEL, ZINC PLATED - CHROMATE TREATED

## RSM

- 3-Piece extra strength rod end with heavy duty shank
- Ball is made of 52100 steel, heat treated and hard chrome plated
- Race is heat treated steel alloy, zinc plated and chromate treated
- Body is low carbon steel, heat treated, zinc plated and chromate treated
- Teflon liners available

## RSMX

- 3-Piece extra strength rod end with heavy duty shank
- Ball is made of 52100 steel, heat treated and hard chrome plated
- Race is heat treated steel alloy, zinc plated and chromate treated
- Body is alloy steel, heat treated, zinc plated and chromate treated
- Teflon liners available



MALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	a° MIS ANGLE	ULT. STATIC RADIAL LOAD (lbs.)	APPROX. WEIGHT (lbs.)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.0015 -0.0005	+0.010 -0.010	+0.000 -0.005	+0.005 -0.005	REF.	+0.015 -0.015	UNF 3A	+0.062 -0.031	REF.		
RSM3	RSML3	0.1900	0.750	0.312	0.250	0.437	1.562	1/4-28	1.000	10	2,170	0.043
RSM4	RSML4	0.2500	0.875	0.375	0.281	0.500	1.875	5/16-24	1.250	13	3,523	0.072
RSM5	RSML5	0.3125	1.000	0.437	0.344	0.625	1.938	3/8-24	1.250	12	5,370	0.112
RSM6	RSML6	0.3750	1.125	0.500	0.406	0.719	2.125	7/16-20	1.375	10	7,230	0.160
RSM7	RSML7	0.4375	1.312	0.562	0.437	0.812	2.438	1/2-20	1.500	12	9,685	0.249
RSM8	RSML8	0.5000	1.500	0.625	0.500	0.937	2.625	5/8-18	1.625	10	12,843	0.382
RSM10	RSML10	0.6250	1.750	0.750	0.562	1.125	2.875	3/4-16	1.750	13	16,613	0.602

MALE ROD END LOAD RATINGS BASED ON NO LUBRICATION FITTING. FOR LOAD RATINGS OF ROD ENDS WITH LUBRICATOR, PLEASE CONTACT THE F.K. ENGINEERING DEPARTMENT.  
\* A trade mark of E.I. Dupont de Nemours & Co., Inc.

NOTE:  
FOR GREASE FITTINGS ADD "Z" TO SUFFIX. - EXAMPLE: RSML6Z  
FOR \*TEFLON LINER ADD "T" TO SUFFIX. - EXAMPLE: RSMX10T

MALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	a° MIS ANGLE	ULT. STATIC RADIAL LOAD (lbs.)	APPROX. WEIGHT (lbs.)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.0015 -0.0005	+0.010 -0.010	+0.000 -0.005	+0.005 -0.005	REF.	+0.015 -0.015	UNF 3A	+0.062 -0.031	REF.		
RSMX4	RSMXL4	0.2500	0.875	0.375	0.281	0.500	1.875	5/16-24	1.250	13	8,471	0.072
RSMX5	RSMXL5	0.3125	1.000	0.437	0.344	0.625	1.938	3/8-24	1.250	12	13,012	0.112
RSMX6	RSMXL6	0.3750	1.125	0.500	0.406	0.719	2.125	7/16-20	1.375	10	17,610	0.160
RSMX7	RSMXL7	0.4375	1.312	0.562	0.437	0.812	2.438	1/2-20	1.500	12	23,470	0.249
RSMX8	RSMXL8	0.5000	1.500	0.625	0.500	0.937	2.625	5/8-18	1.625	10	31,420	0.382
RSMX10-8	RSMXL10-8	0.5000	1.750	0.750	0.562	1.125	2.875	3/4-16	1.750	13	40,590	0.602
RSMX10	RSMXL10	0.6250	1.750	0.750	0.562	1.125	2.875	3/4-16	1.750	13	40,590	0.602
RSMX12	RSMXL12	0.7500	2.000	0.875	0.687	1.312	3.375	7/8-14	1.875	12	55,696	0.918
RSMX14T**	RSMXL14T**	0.8750	2.312	0.875	0.765	1.375	3.800	1-14	2.375	12	63,096	1.302

NOTE:  
FOR GREASE FITTINGS ADD "Z" TO SUFFIX. - EXAMPLE: RSMXL5Z  
FOR \*TEFLON LINER ADD "T" TO SUFFIX. - EXAMPLE: RSMX10T  
\* A trade mark of E.I. Dupont de Nemours & Co., Inc.  
\*\* Race is 17-4PH stainless steel, heat treated / Ball is 440C stainless steel or 52100 steel (heat treated) - Manufacturer's Option

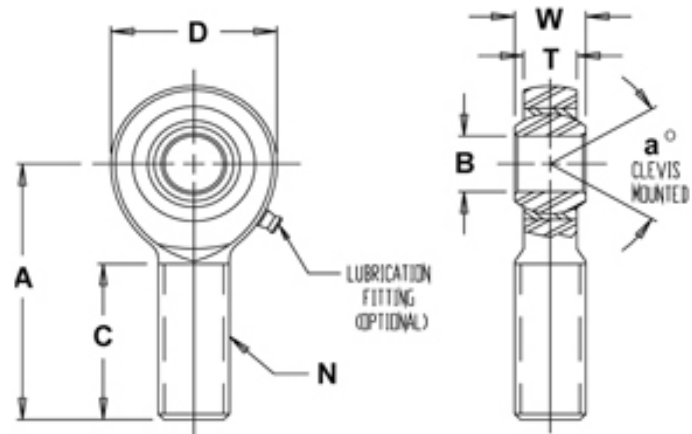
MATERIALS	
BALL	RACE
52100 STEEL HEAT TREATED HARD CHROME PLATED	STEEL ALLOY, HEAT TREATED ZINC PLATED CHROMATE PLATED

# ALRSM

3-PIECE, ALUMINUM SERIES / PTFE LINERS AVAILABLE

## ALRSM

- 3-Piece extra strength rod end with heavy duty shank
- Ball is made of 52100 steel, heat treated and hard chrome plated
- Race is heat treated steel alloy, zinc plated and chromate treated
- Body is 7075-T6 aluminum with hard red anodized finish
- Teflon liners available



MALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	a° MIS ANGLE	ULT. STATIC RADIAL LOAD (lbs.)	APPROX. WEIGHT (lbs.)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.0015 -0.0005	+0.010 -0.010	+0.000 -0.005	+0.005 -0.005	REF.	+0.015 -0.015	UNF 3A	+0.062 -0.031	REF.		
ALRSM5	ALRSML5	0.3125	1.000	0.437	0.344	0.625	1.938	3/8-24	1.250	12	5,590	0.060
ALRSM6	ALRSML6	0.3750	1.125	0.500	0.406	0.719	2.125	7/16-20	1.375	10	7,718	0.088
ALRSM7	ALRSML7	0.4375	1.312	0.562	0.437	0.812	2.438	1/2-20	1.500	12	11,000	0.121
ALRSM8	ALRSML8	0.5000	1.500	0.625	0.500	0.937	2.625	5/8-18	1.625	10	14,880	0.200
ALRSM8-6	ALRSML8-6	0.3750	1.500	0.625	0.500	0.937	2.625	5/8-18	1.625	10	14,880	0.200
ALRSM10	ALRSML10	0.6250	1.750	0.750	0.562	1.125	2.875	3/4-16	1.750	13	19,240	0.317
ALRSM10-8	ALRSML10-8	0.5000	1.750	0.750	0.562	1.125	2.875	3/4-16	1.750	13	19,240	0.317
RSMX12	RSMXL12	0.7500	2.000	0.875	0.687	1.312	3.375	7/8-14	1.875	12	55,696	0.918
RSMX14T**	RSMXL14T**	0.8750	2.312	0.875	0.765	1.375	3.800	1-14	2.375	12	63,096	1.302

MALE ROD END LOAD RATINGS BASED ON NO LUBRICATION FITTING. FOR LOAD RATINGS OF ROD ENDS WITH LUBRICATOR, PLEASE CONTACT F.K. ENGINEERING DEPT.

**NOTE:**

FOR GREASE FITTINGS ADD "Z" TO SUFFIX. - EXAMPLE: RSMXL5Z  
FOR \*TEFLON LINER ADD "T" TO SUFFIX. - EXAMPLE: RSMX10T

\* A trade mark of E.I. DuPont de Nemours & Co., Inc.

\*\* Race is 17-4PH stainless steel, heat treated / Ball is 440C stainless steel or 52100 steel (heat treated)  
Manufacturer's Option

## MATERIALS

### BALL

52100 STEEL  
HEAT TREATED  
HARD CHROME PLATED

### RACE

STEEL ALLOY, HEAT TREATED  
ZINC PLATED  
CHROMATE PLATED



# HJMX-T / HRSMN-T / HIN-T

HIGH MISALIGNMENT SERIES - MALE ROD ENDS AND SPHERICAL BEARINGS - HEAVY DUTY

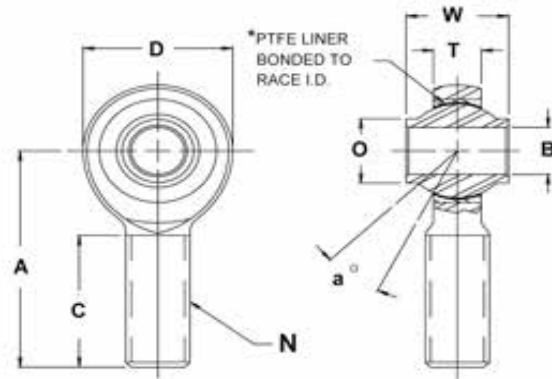
## HJMX-T/ HRSMX-T

When a high misalignment angle is necessary, look to FK Rod Ends to provide some of the highest angles available on the market - up to 23 degrees!

- Heavy-duty high misalignment rod end
- Ball is 52100 heat treated steel with hard chrome plate
- Race composed of alloy steel, heat treated, zinc plated and chromate treated
- Body is 4340 alloy steel, heat treated, zinc plated and chromate treated
- Comes standard with a Teflon fabric liner bonded to race I.D.

## HIN-T

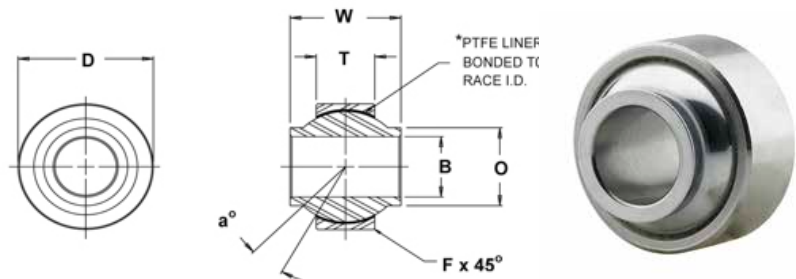
- Heavy-duty high misalignment spherical bearing
- Ball is 52100 heat treated steel with hard chrome plate
- Race composed of alloy steel, heat treated and oil coated
- Comes standard with a Teflon fabric liner bonded to race I.D.



MALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	O DIA.	a° MIS ANG	ULT. STATIC RADIAL LOAD (lbs.)	APPROX. WEIGHT (lbs.)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.0015	+0.010	+0.000	+0.005	REF.	+0.015	UNF 3A	+0.062	REF.	REF.		
		-0.0005	-0.010	-0.005	-0.005		-0.015		-0.031				
HRSMX4T	HRSMXL4T	0.2500	1.025	0.593	0.265	0.593	1.938	3/8-24	1.187	0.390	23	10,790	0.12
HJMX6T	HJMXL6T	0.3750	1.150	0.813	0.355	0.781	2.125	3/8-24	1.281	0.512	22	11,390	0.12
HRSMX6T	HRSMXL6T	0.3750	1.150	0.813	0.355	0.781	2.125	7/16-20	1.281	0.512	22	11,789	0.15
HJMX7T	HJMXL7T	0.4375	1.337	0.875	0.355	0.875	2.438	7/16-20	1.468	0.618	21	15,716	0.23
HRSMX7T	HRSMXL7T	0.4375	1.337	0.875	0.355	0.875	2.438	1/2-20	1.468	0.618	21	17,100	0.24
HJMX8T	HJMXL8T	0.5000	1.525	0.937	0.411	1.000	2.625	1/2-20	1.562	0.730	19	23,703	0.33
HRSMX8T	HRSMXL8T	0.5000	1.525	0.937	0.411	1.000	2.625	5/8-18	1.562	0.730	19	23,703	0.39
HJMX10T	HJMXL10T	0.6250	1.775	1.200	0.577	1.250	2.875	5/8-18	1.687	0.856	19	28,109	0.57
HRSMX10T	HRSMXL10T	0.6250	1.775	1.200	0.577	1.250	2.875	3/4-16	1.687	0.856	19	32,100	0.66
HJMX12T	HJMXL12T	0.7500	2.025	1.280	0.630	1.375	3.375	3/4-16	2.000	0.970	18	38,701	0.82
HRSMX12T	HRSMXL12T	0.7500	2.025	1.280	0.630	1.375	3.375	7/8-14	2.000	0.970	18	38,701	0.89

\* A trade mark of E.I. Dupont de Nemours & Co., Inc.

MATERIALS	
BALL	BODY
52100 STEEL HEAT TREATED HARD CHROME PLATED	4340 STEEL, HEAT TREATED ZINC PLATED CHROMATE TREATED
RACE	LINER
STEEL ALLOY ZINC PLATED CHROMATE TREATED	*TEFLON FABRIC



BEARING PART NO.	B DIA.	D DIA.	W WIDTH	T WIDTH	O DIA.	BALL DIA.	F CHAMFER	a° MIS. ANGLE	ULT. STATIC RADIAL LOAD (lbs)	APPROX. WEIGHT (lbs)
	+0.0015	+0.0000	+0.000	+0.005	REF.	REF.	REF.	REF.		
	-0.0005	-0.005	-0.005	-0.005						
HIN4T	0.2500	0.8700	0.593	0.255	0.390	0.593	0.020	24	7,560	0.040
HIN6T	0.3750	0.9060	0.813	0.345	0.512	0.781	0.030	23	16,983	0.068
HIN7T	0.4375	1.0000	0.875	0.345	0.618	0.875	0.030	22	19,023	0.095
HIN8T	0.5000	1.1250	0.937	0.401	0.730	1.000	0.030	20	25,275	0.160
HIN10T	0.6250	1.3750	1.200	0.567	0.856	1.250	0.030	20	44,652	0.245
HIN12T	0.7500	1.5625	1.280	0.620	0.970	1.375	0.035	18	53,716	0.315

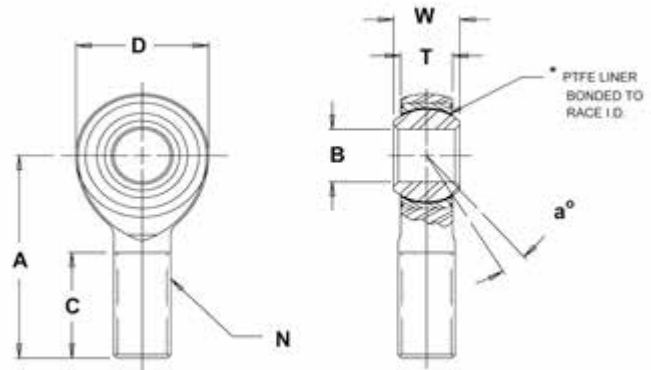


# PMX-T / PMXL-T

3-PIECE PERFORMANCE RACING, STAINLESS STEEL RACE, WEAR RESISTANT, SELF LUBRICATING

## PMX-T/PMXL-T

- 3-Piece performance racing, wear resistant, self lubricating rod end
- Frequently used in high performance racing applications
- Ball is made of 440C stainless steel or 42100 steel heat treated R/C 56 min, with hard chrome plate\*
- Race is 17-4PH CRES heat treated stainless steel
- Body is 4340 alloy steel, heat treated, zinc plated and chromate treated
- Comes standard with a Teflon fabric liner bonded to race I.D.



MALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	a° MIS ANGLE	ULT. STATIC RADIAL LOAD (lbs.)	APPROX. WEIGHT (lbs.)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.0015	+0.010	+0.000	+0.005	REF.	+0.10	UNF 3A	+0.031	REF.		
		-0.0005	-0.010	-0.005	-0.005		-0.10		-0.031			
PMX5T	PMXL5T	0.3125	0.900	0.437	0.327	0.593	1.875	5/16-24	1.187	14	8,302	0.08
PMX6T	PMXL6T	0.3750	1.025	0.500	0.416	0.687	1.938	3/8-24	1.187	8	10,940	0.13
PMX7T	PMXL7T	0.4375	1.150	0.562	0.452	0.781	2.125	7/16-20	1.281	10	14,052	0.18
PMX8T	PMXL8T	0.5000	1.337	0.625	0.515	0.875	2.438	1/2-20	1.468	9	23,314	0.27
PMX10T	PMXL10T	0.6250	1.525	0.750	0.577	1.062	2.625	5/8-18	1.562	12	25,900	0.42
PMX12T	PMXL12T	0.7500	1.775	0.875	0.640	1.250	2.875	3/4-16	1.687	13	34,322	0.63

## MATERIALS

BALL	BODY	RACE	LINER
440C STAINLESS STEEL OR 52100 STEEL HEAT TREATED R/C 56 MIN. HARD CHROME PLATED <b>MANUFACTURER'S OPTION</b>	4340 STEEL HEAT TREATED ZINC PLATED CHROMATE TREATED	17-4PH CRES STAINLESS STEEL HEAT TREATED	*TEFLON FABRIC

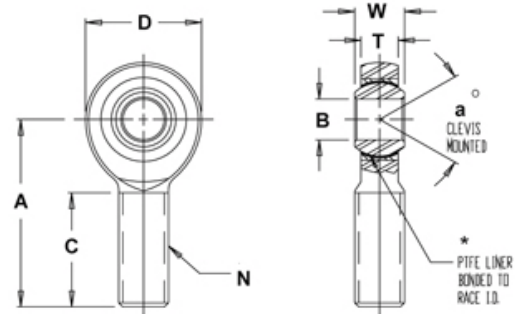


# SJM-T / SJF-T / SRSM-T

3 PIECE, PRECISION - STAINLESS STEEL, HIGH STRENGTH, SELF LUBRICATING

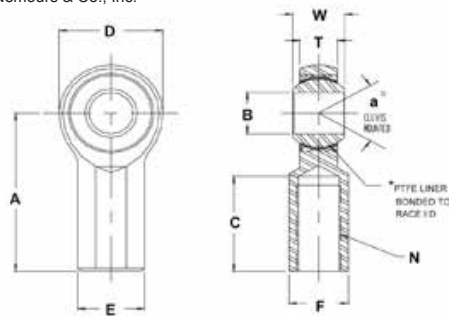
## SJM-T/SJF-T/SRSM-T

- 3- Piece precision stainless steel, high strength, self lubricating rod end
- Ball is made of 440C CRES stainless steel and heat treated
- Race is 17-4PH CRES heat treated stainless steel
- Body composed of 17-4PH CRES heat treated stainless steel
- Comes standard with a Teflon fabric liner bonded to race I.D.



MALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	a° MIS ANGLE	ULT. STATIC RADIAL LOAD (lbs.)	APPROX. WEIGHT (lbs.)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.015 -0.005	+0.010 -0.010	+0.000 -0.005	+0.005 -0.005	REF.	+0.010 -0.010	UNF 3A	+0.031 -0.031	REF.		
SJM4T	SJML4T	0.2500	0.806	0.437	0.337	0.531	1.562	1/4-28	0.968	11	4,874	0.072
SJM5T	SJML5T	0.3125	0.900	0.437	0.327	0.593	1.875	5/16-24	1.187	11	7,196	0.087
SJM6T	SJML6T	0.3750	1.025	0.500	0.416	0.687	1.938	3/8-24	1.187	11	8,580	0.136
SRSM6T	SRSML6T	0.3750	1.150	0.500	0.416	0.687	2.125	7/16-20	1.375	11	17,610	0.16
SJM7T	SJML7T	0.4375	1.150	0.562	0.452	0.781	2.125	7/16-20	1.281	13	12,000	0.183
SRSM7T	SRSML7T	0.4375	1.337	0.562	0.452	0.781	2.438	1/2-20	1.500	13	23,470	0.249
SJM8T	SJML8T	0.5000	1.337	0.625	0.515	0.875	2.438	1/2-20	1.468	11	19,520	0.278
SRSM8T	SRSML8T	0.5000	1.525	0.625	0.515	0.875	2.625	5/8-18	1.625	11	33,172	0.382
SJM10T	SJML10T	0.6250	1.525	0.750	0.577	1.062	2.625	5/8-18	1.562	14	21,920	0.424
SRSM10T	SRSML10T	0.6250	1.775	0.750	0.577	1.062	2.875	3/4-16	1.750	14	40,507	0.602
SJM12T	SJML12T	0.7500	1.775	0.875	0.640	1.250	2.875	3/4-16	1.687	17	29,310	0.639

\* A trade mark of E.I. Dupont de Nemours & Co., Inc.



FEMALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	E DIA.	F FLAT	a° MIS ANG.	ULT. STATIC RADIAL LOAD (lbs.)	APPROX. WEIGHT (lbs.)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.015 -0.005	+0.010 -0.010	+0.000 -0.005	+0.005 -0.005	REF.	+0.015 -0.015	UNF 2B	+0.062 -0.031	+0.010 -0.010	+0.010 -0.010	REF.		
SJF4T	SJFL4T	0.25	0.806	0.375	0.281	0.5	1.312	1/4/2028	0.75	0.469	0.375	16	4,795	0.059
SJF5T	SJFL5T	0.3125	0.9	0.437	0.344	0.625	1.375	5/16/2024	0.75	0.5	0.437	14	5,929	0.092
SJF6T	SJFL6T	0.375	1.025	0.5	0.406	0.719	1.625	3/8/2024	0.937	0.687	0.562	12	7,363	0.152
SJF7T	SJFL7T	0.4375	1.15	0.562	0.437	0.812	1.812	7/16/2020	1.062	0.75	0.625	14	7,934	0.198
SJF8T	SJFL8T	0.5	1.337	0.625	0.5	0.937	2.125	1/2/2020	1.187	0.875	0.75	12	12,527	0.329
SJF10T	SJFL10T	0.625	1.525	0.75	0.562	1.125	2.5	5/8/2018	1.5	1	0.875	16	13,851	0.477
SJF12T	SJFL12T	0.75	1.775	0.875	0.687	1.312	2.875	3/4/2016	1.75	1.125	1	14	21,664	0.723

## MATERIALS

BALL	BODY	RACE	LINER
440C STAINLESS STEEL 52100 STEEL HEAT TREATED	17-4PH CRES STAINLESS STEEL HEAT TREATED	17-4PH CRES STAINLESS STEEL HEAT TREATED	*TEFLON FABRIC

# COM / FKS / FKSSX

## PRECISION NARROW SERIES SPHERICAL BEARINGS

### COM

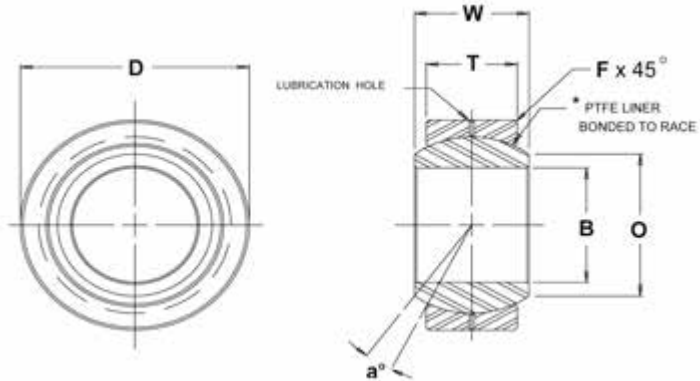
- Precision spherical bearing, narrow series
- Ball is 52100 heat treated steel with hard chrome plate
- Race is low carbon steel and oil coated
- Teflon liners available

### FKS

- Precision spherical bearing, narrow series
- Ball is 52100 heat treated steel with hard chrome plate
- Race is alloy steel, heat treated and oil coated
- Teflon liners available

### FKSSX

- Precision spherical bearing, narrow series
- Ball is made of 440C stainless steel and heat treated
- Race is 17-4PH heat treated stainless steel
- Teflon liners available



BEARING PART NO.	B DIA.	D DIA.	W WIDTH	T WIDTH	O DIA.	BALL DIA.	F CHAM-FER	a° MIS ANG.	ULT. STATIC RADIAL LOAD (LBS.)			APPROX. WEIGHT (lbs.)
	****	*****							COM	FKS	FKSSX	
	+ .0015 - .0005	+ .0000 - .0005	+ .005 - .005	+ .005 - .005	REF.	REF.	REF.	REF.				
3	0.1900	0.5625	0.281	0.218	0.293	0.406	0.015	11.0	3,250	6,480	4,800	0.014
4	0.2500	0.6562	0.343	0.250	0.364	0.500	0.022	13.5	4,950	10,000	7,400	0.022
5	0.3125	0.7500	0.375	0.281	0.419	0.562	0.032	12.0	6,475	13,900	9,700	0.030
6	0.3750	0.8125	0.406	0.312	0.516	0.656	0.032	10.0	8,400	18,000	11,900	0.038
7	0.4375	0.9062	0.437	0.343	0.530	0.687	0.032	8.0	9,453	22,300	14,180	0.047
8	0.5000	1.0000	0.500	0.390	0.600	0.781	0.032	9.5	13,250	26,900	17,900	0.065
COM8-101	0.5000	1.0000	1.000	0.390	0.600	0.781	0.032	9.5	13,250	-	-	0.065
9	0.5625	1.0937	0.562	0.437	0.671	0.875	0.032	9.5	16,630	36,000	24,900	0.086
10	0.6250	1.1875	0.625	0.500	0.739	0.968	0.032	8.5	21,280	48,000	31,900	0.110
12	0.7500	1.4375	0.750	0.593	0.920	1.187	0.044	9.0	31,920	78,000	47,850	0.204
COM12T-3R**	0.7500	1.4375	0.750	0.593	0.920	1.187	0.044	9.0	31.92	-	-	0.204
14	0.8750	1.5625	0.875	0.703	0.980	1.312	0.044	9.5	41,960	103,000	62,900	0.263
16	1.0000	1.7500	1.000	0.797	1.118	1.500	0.044	10.0	55,200	125,000	82,800	0.386
COMH16***	1.0000	2.0000	1.000	0.781	1.360	1.687	0.032	9.0	70,820	-	-	0.553
COMH19***	1.1875	2.3750	1.187	0.937	1.610	2.000	0.032	8.5	100,730	-	-	0.895
COMH20***	1.2500	2.3750	1.187	0.937	1.610	2.000	0.032	8.5	100,730	-	-	0.895
COMH24***	1.5000	2.7500	1.375	1.094	1.860	2.312	0.032	8.5	135,950	-	-	1.358
COMH28***	1.7500	3.1250	1.562	1.250	2.110	2.625	0.044	8.0	176,370	-	-	1.948
COMH32***	2.0000	3.5000	1.750	1.375	2.360	2.937	0.044	8.5	217,060	-	-	2.650



		MATERIALS		
		COM	FKS	FKSSX
RACE		LOW CARBON STEEL OIL COATED*	ALLOY STEEL HEAT TREATED OIL COATED*	17-4PH STAINLESS STEEL HEAT TREATED*
BALL		52100 STEEL HEAT TREATED HARD CHROME PLATED*	52100 STEEL HEAT TREATED HARD CHROME PLATED*	440 C STAINLESS STEEL HEAT TREATED*

# WSSX-Y / WSSX-TV

WIDE SERIES, PTFE LINED

## WSSX-T/ WSSX-TV

- Precision spherical bearing, wide series
- Ball is made of 440C stainless steel and heat treated
- Race is 17-4PH heat treated stainless steel
- Available plain or grooved
- Comes standard with a Teflon fabric liner bonded to race I.D.

BEARING PART NO.		B DIA.	D DIA.	W WIDTH	T WIDTH	O SHOULDER DIA.	BALL DIA.	a° MIS. ANG.	LOAD RATINGS (lbs.)			APPROX. WEIGHT (lbs.)
PLAIN	GROOVED	+ .0000	+ .0000	+ .000	0.005	REF.	REF.	MIN.	STATIC LIMIT		DYNAMIC OSCILLATING RADIAL LOAD	
		-0.0005	-0.0005	-0.002	-0.005				RADIAL (lbs.)	AXIAL (lbs.)		
WSSX3T	WSSX3TV	0.1900	0.6250	0.437	0.327	0.301	0.531	15	2,500	1,770	4,900	0.031
WSSX4T	WSSX4TV	0.2500	0.6250	0.437	0.327	0.301	0.531	15	5,500	1,770	4,900	0.031
WSSX5T	WSSX5TV	0.3125	0.6875	0.437	0.317	0.360	0.593	14	9,400	1,640	6,050	0.035
WSSX6T	WSSX6TV	0.3750	0.8125	0.500	0.406	0.466	0.687	8	13,700	2,630	8,310	0.060
WSSX7T	WSSX7TV	0.4375	0.9375	0.562	0.442	0.537	0.781	10	20,700	3,650	11,750	0.080
WSSX8T	WSSX8TV	0.5000	1.0000	0.625	0.505	0.607	0.875	9	21,400	4,970	14,950	0.100
WSSX9T	WSSX9TV	0.5625	1.1250	0.687	0.536	0.721	1.000	10	26,600	5,370	18,100	0.135
WSSX10T	WSSX10TV	0.6250	1.1875	0.750	0.567	0.747	1.062	12	29,000	6,130	20,250	0.160
WSSX12T	WSSX12TV	0.7500	1.3750	0.875	0.630	0.845	1.250	13	37,000	7,730	26,200	0.240
WSSX14T	WSSX14TV	0.8750	1.6250	0.875	0.755	0.995	1.375	6	65,200	10,800	33,600	0.350
WSSX16T	WSSX16TV	1.0000	2.1250	1.375	1.005	1.269	1.875	12	104,000	19,300	56,250	0.970
WSSX24T**	WSSX24TV**	1.5000	2.9170	1.962	1.500	1.927	2.750	11	281,531	43,180	112,527	2.250

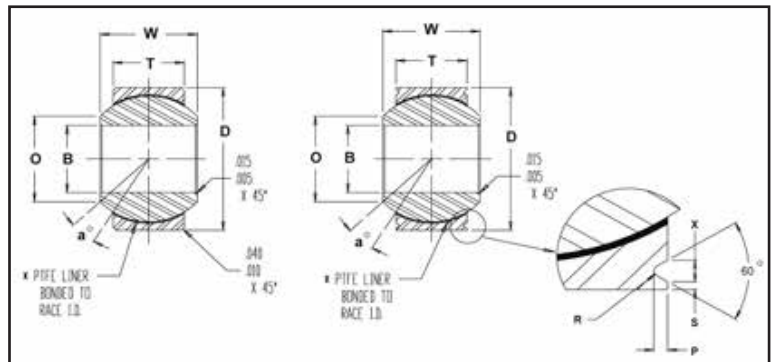
\*A trade mark of E.I. Dupont de nemours & Co., Inc.  
 \*\* WSSX24T - "B" TOLERANCE IS +.0015/-0.0005 & "W" TOLERANCE IS +.000/-0.005

Note:  
 DIAMETER "B" AND "D" ARE CONCENTRIC WITHIN .005 T.I.R

MATERIALS		
BALL	RACE	LINER
440C STAINLESS STEEL HEAT TREATED	17-4 PH STAINLESS STEEL HEAT TREATED	*TEFLON FABRIC

NO LOAD BREAKAWAY TORQUE	
BORE SIZES	TORQUE
3	.5 to 5.0 in. lbs.
4 THRU 12	1.0 to 5.0 in. lbs.
14 & 24	2.0 to 8.0 in. lbs.

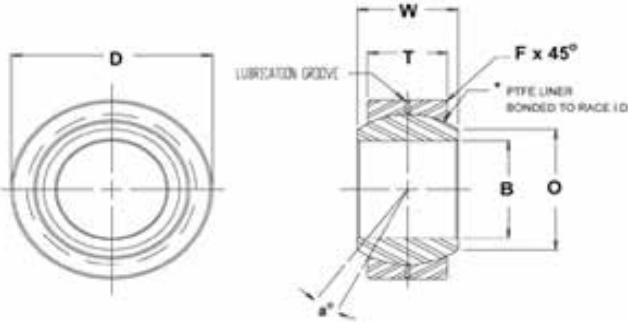
STAKING GROOVE DATA				
BORE SIZES	S	X	R	P
	LAND	GROOVE	RAD.	DEPTH
	+ .000	+ .000	+ .000	+ .000
	-0.010	-0.010	-0.010	-0.015
3 thru 5	0.02	0.045	0.015	0.03
6 thru 10	0.03	0.055	0.02	0.04
12 thru 24	0.03	0.08	0.02	0.06





### Heavy duty precision spherical bearing

- Ball is 52100 heat treated steel (RC 56 min) with hard chrome plate
- Race is heat treated alloy steel and oil coated
- Teflon liners available



### MATERIALS

BALL	RACE
52100 STEEL HEAT TREATED HARD CHROME PLATED	ALLOY STEEL HEAT TREATED OIL COATED

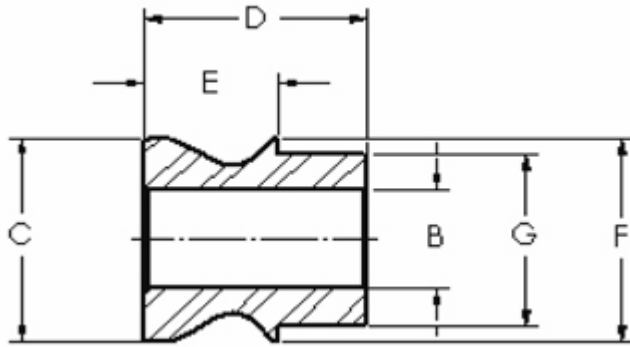
BEARING PART NO.	B DIA.	D DIA.	W WIDTH	T WIDTH	O DIA.	BALL DIA.	F CHAMFER	a° MIS ANG.	ULT. STATIC RADIAL LOAD (lbs.)	APPROX. WEIGHT (lbs.)
	+0.0015 -0.0005	+0.0000 -0.0007	+0.005 -0.005	+0.005 -0.005	REF.	REF.	REF.	REF.		
AIN3	0.1900	0.5312	0.312	0.250	0.307	0.437	0.020	10.5	6,550	0.016
AIN4	0.2500	0.6094	0.375	0.281	0.331	0.500	0.020	14.5	8,427	0.023
AIN5	0.3125	0.7500	0.437	0.344	0.448	0.625	0.020	11.0	12,912	0.039
AIN6	0.3750	0.8437	0.500	0.406	0.516	0.719	0.020	9.5	17,512	0.059
AIN7	0.4375	1.0000	0.562	0.437	0.587	0.812	0.020	11.0	21,290	0.079
AIN8	0.5000	1.0937	0.625	0.500	0.699	0.937	0.020	9.5	28,110	0.110
AIN10	0.6250	1.3125	0.750	0.562	0.839	1.125	0.030	12.0	37,930	0.165
AIN12	0.7500	1.5000	0.875	0.687	0.978	1.312	0.030	10.0	48,675	0.252
AIN14	0.8750	1.5000	0.875	0.687	0.978	1.312	0.030	6.0	48,675	0.248
AIN14T-770	0.8750	1.6250	0.875	0.750	1.061	1.375	0.035	6.0	58,650	0.350
AIN16	1.0000	2.1250	1.375	1.000	1.275	1.875	0.060	15.0	90,000	0.788

\* A trade mark of E.I. Dupont de Nemours & Co., Inc.

NOTES:  
FOR \*TEFLON LINER ADD "T" TO SUFFIX. EXAMPLE: FKS8T  
(UNITS WITH TEFLON LINERS HAVE NO LUBRICATION HOLES OR GROOVES IN RACE.)



# HIGH MISALIGNMENT BUSHINGS STEEL JAM NUTS



HIGH MISALIGNMENT BUSHINGS							
PART NUMBER	B	C	D	E	F	G	BEARING SIZE
8-6HB	0.375	0.645	0.627	0.342	0.667	0.499	8
10-8HB	0.500	0.840	0.900	0.530	0.795	0.624	10
10-8HB-2	0.500	0.840	1.620	1.250	0.795	0.624	10
12-8HB	0.500	0.995	0.900	0.475	0.930	0.749	12
12-10HB	0.625	0.995	0.900	0.475	0.930	0.749	12
14-8HB	0.500	1.040	1.055	0.625	1.035	0.874	RSMX14T
14-10HB	0.625	1.050	1.055	0.625	1.035	0.874	JMX14T-770
14-12HB	0.750	1.050	1.242	0.812	1.035	0.874	KMX14
16-10HB	0.625	1.245	1.497	0.817	1.225	0.999	16
16-10HB-2	0.625	1.135	1.370	0.690	1.225	0.999	16
16-12HB	0.750	1.135	1.370	0.690	1.225	0.999	16

**NOTES:**

1. ALL DIMENSIONS ARE IN INCHES.
2. MISALIGNMENT BUSHINGS INCREASE MISALIGNMENT ANGLE AND REDUCE HOLE SIZES IN ROD ENDS AND SPHERICAL BEARINGS.
3. ALL BUSHINGS ARE SOLD IN PAIRS.



INCH STEEL JAM NUTS			
RIGHT HAND	LEFT HAND	THD. SIZE UNF-2B	HEX SIZE
SJNR03	SJNL03	10-32	3/8
SJNR04	SJNL04	1/4-28	7/16
SJNR05	SJNL05	5/16-24	1/2
SJNR06	SJNL06	3/8-24	9/16
SJNR07	SJNL07	7/16-20	11/16
SJNR08	SJNL08	1/2-20	3/4
SJNR10	SJNL10	5/8-18	15/16
SJNR10-1	SJNL10-1	5/8-18	3/4
SJNR12	SJNL12	3/4-16	1-1/8
SJNR14	SJNL14	7/8-14	1-9/32
SJNR16	SJNL16	1 1/4-12	1-13/16
SJNR16-1	SJNL16-1	1-14	1-3/8
SJNR16-2	SJNL16-2	1-12	1-3/8

**MATERIAL**

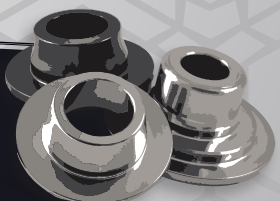
17-4PH STAINLESS STEEL

NOTES: JAM NUTS ARE SOLD IN LOTS OF 25 PCS.  
\* HEX SIZE MAY VARY DEPENDING ON AVAILABILITY OF MATERIAL.

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