

## THE HISTORY OF PROFILE RACING, INC.

Profile Racing, Inc. can be traced back to early 1968 when Jim Alley established the firm as a racecar chassis shop in Flemington, New Jersey. In 1970, Profile Racing introduced the first power steering gear and power steering pump to this industry. Profile Racing power steering gears and pumps soon became a standard option on just about every oval track racecar. Today, Profile Racing continues with its steering division, supplying most of the fastest racecar divisions racing today which include Outlaw Sprint Cars, Super Modifieds, Off-Road Race Trucks, Rock Climbers, Monster Trucks, Off Shore Race Boats, Road Race Cars, Street Rods, Late Models and Nascar.

In 1977 Profile Racing made a decision to move its operations to St. Petersburg, Florida where car racing was pretty much year round. In 1978 Jim's son, Corey and daughter, Justine had their first taste of BMX racing at a small track in St. Petersburg. The entire family was immediately hooked on this great sport. With Jim's keen eye for innovation and competitiveness, a new venture into the bicycle industry was born. Having its background in auto racing, chromemoly fabrication and lightweight aluminum alloy components Profile Racing was a "shoe-in" for the bicycle racing industry.

BMX racing in its early stages was hungry for more durable, lightweight components. In 1979, Profile Racing produced its first 3-piece chromemoly tubular crank set with the 48-spline spindle. This component would later become the "standard" for the BMX racing industry and continue to be the "standard" over a quarter century later.

1980 was the year Profile Racing produced its first lightweight chromemoly frame set with a large diameter down tube. It was an instant success. Throughout the 1980's Profile Racing continued its rapid growth. With the addition of computer numerically controlled (CNC) machining centers and lathes Profile Racing was given the edge over the growing competition in the bicycle racing industry.

In the Mid-1980's, as much of our competition was going off-shore (Taiwan, China, Mexico) to have their bicycles and accessories manufactured, Profile Racing stood steadfast and continued to manufacture all our product line in-house in the USA. 100% American made! This was without a doubt a decision well made. For in the late 1980's the bottom dropped out of the bicycle industry causing hundreds of bicycle related companies to go out of business.

Left existing in this industry was Profile Racing and a handful of other strong companies which together continued to support the sport of BMX, allowing it to proceed into the 1990's and making its comeback. Once again, Profile Racing found itself at the forefront of a very rapidly resurging industry. With the Freestyle, BMX racing, Street bikes and MTB racing making a fast recovery as well, Profile Racing's staff was hard at work to keep one-step ahead in designing and introducing new products to all these markets.

The mid-1990's brought a significant change to the entire industry. World-wide major network TV coverage of Freestyle, BMX racing, and MTB racing was introduced to the viewing public. Suddenly this supposedly very small industry came to be big time stuff. Profile Racing again kept focused on the industry by expanding its advertising, sending its trucks and trailers to all major racing events, and creating new innovative components while refining its established products. All this allowed our share to grow in the worldwide market.

2002 was a major crossroad in our growth with an operations expansion of over 20,000 sq. ft. of manufacturing area and warehouse space. 2003 found us adding a traveling showroom to our company vehicles of touring trucks and trailers. This custom Kenworth motor coach will allow racers & riders to view our product first hand.

Today, Profile Racing is the single most capable, largest, and most sophisticated manufacturer of high end bicycle components and race frames in the industry in the United States, boasting over 35 years of experience.

Utilizing the world's most accurate state-of-the-art equipment, while setting the standards for quality control, we continually supply our customers with the closest tolerance, precision machined accessories in the market today. We strive to create an ideal blend of form and function in new products that are truly the "best"; light years ahead of any competition.

Profile Racing's attention to detail, flawless surface finishes, superior quality aerospace materials, safety, and reliability in all our products is the reason we are #1. We are the choice of all the Pros!

The longevity of Profile Racing in this industry can be attributed to its innovative product development, its contribution and support to the sport, the true dedication of its very talented employees and our product, still to this day, being 100% made in the United States of America. Buy American!

For more information and announcements of new products, be sure to visit our website at [www.profileracing.com](http://www.profileracing.com)

We would sincerely like to thank you for your interest in Profile Racing, Inc. We hope you get as much enjoyment from our products as we do designing and manufacturing them. HAPPY RIDING!

on the cover: **chad moore**

photo: marceau





From left to right: Termite Hudson, Dave Fisher, Benton "Scooter" Campbell, Charlie Fernandez, Jack Gay, Nancy Alley, Jim Alley, Corey Alley, Bob Chase, Shane Wanek.  
Kneeling left to right: Percy Owens, Matt Coplon, Johnny Jackson, Lance Micklitsch, Daryl Lee, Chris Arnold



Profile Racing Plant #1



Profile Racing Plant #2



Profile Racing's new factory rig.



Profile Racing race support trailer and racer pit area.



Profile Racing multi-million dollar CNC machine area.



Profile Racing ready to serve you now.



### **BMX RACE 3-Piece Chromemoly Crankset**

Designed for BMX Race but used by both racers and freestyle riders – 4140 aircraft alloy, 48-spline axle, heat treated and warrantied – Profile Racing's superior computer designed 4130 crank arms reduce stress and eliminate flex – Self-lubricating, precision sealed bearing American style bottom bracket – Grade #8 aircraft bolts and washers – Floating axle allows precision chain alignment – Lengths: 145, 160, 165, 170, 175, 177, 180, 182, 185 and 190mm – Chrome or Black finish – Lifetime limited warranty (arms and axle to original purchaser) – Spider and chainwheel sold separately – RHD or LHD



### **MINI MAGNUTANIUM BMX 3-Piece Chromemoly Crankset**

Junior racers can have the pro-advantage of Profile Racing's legendary 3-piece chromemoly crankset – Features thin walled chromemoly tubular arms that weigh less than solid aluminum arms of equal length – Mini crankarms offer superior stiffness and are mounted to a proprietary titanium 48-splined bottom bracket spindle – Available in American or European bottom bracket versions – Mini crankarms are available in 140mm to 170mm lengths in 5mm increments and a silver finish – Accepts a 5-bolt spider or any of Profile Racing's billet chainwheels – Combined with the new small Profile Racing cog/drivers and new small size Imperial chainwheels, the Mini becomes the lightest and most powerful BMX drive train available – Suitable for flatland – Spider and chainwheel sold separately – Not warrantied.

NBL #1 Pro 2004  
**kyle bennett**  
photo: sack





### Dirt Jumping Crankset

Designed and manufactured for dirt jumping – 4140 aircraft alloy, 48-splined axle, heat-treated – Self-lubricating, precision sealed bearings with cone spacers – Crank arms are fabricated from oversized 1-3/8" 4130 chromemoly tapered tubing – Arms are the same as our SS Cranks but with a standard size BMX spindle boss – Lengths: 165, 170, 175 and 180mm – Colors are chrome or black powder coat – Lifetime Limited Warranty (arms and axle, to original purchaser) – Chainwheel sold separately



### BMX SS Crankset

This is the strongest crank available – Features a massive 7/8" 4140 heat-treated 48-splined spindle, complemented by huge sealed cartridge bearings – Crankarms are fabricated from oversized 1-3/8" 4130 chromemoly tapered tubing designed, developed and manufactured in our own Florida plant – Spindle and pedal bosses are heavier as well – Available in 170, 175 and 180mm lengths – Lifetime Limited Warranty (arms and axle, to original purchaser) – Chrome and black powder coat – Chainwheel sold separately.

### SHOP TALK

#### 48 spline spindle

The idea for the 48-spline spindle on our 3-piece cranksets is from Profile Racing's early car racing experience. The spindle is actually a mini quick-release race car steering post but with 48-splines on both ends (and not as long). Profile Racing started it and now it is the BMX industry standard.





**ty stuyvesant**  
photo: york

### (1) MTB 3-Piece Chromemoly Crankset

Designed for MTB racing – 4140 aircraft alloy, 48-spline axle, heat treated with superior computer designed 4130 crank arms to reduce stress and eliminate flex (inherent in aluminum crank arms) – Spider size: 94/58 or 110/74mm – Spider made from aircraft alloy aluminum – Precision self-lubricating, sealed bearing bottom bracket – Grade #8 aircraft bolts and washers – Floating axle allows precision chain alignment – Lengths: 145, 160, 165, 170, 175, 177, 180, 182, 185, and 190mm – Available in chrome and black finish – Lifetime Limited Warranty (arms and axle to original purchaser).



### (2) Downhill 3-Piece Crankset

Designed for downhill racing – 4140 aircraft alloy, 3/4" 48-spline, heat-treated chromemoly spindle and super strength cranks to deal with the punishment of Downhill – Euro styled with four precision self-lubricating, sealed bearing bottom bracket – Oversized crank arms fabricated from 1-3/8" 4130 chromemoly tapered tubing – Includes MTB spider (110/74 or 94/58mm) – Lengths: 165, 170, 175, 177, 180mm – Available in chrome and black powder coat finish – Lifetime Limited Warranty (arms and axle to original purchaser)



### (3) Trials Crankset

Heavy duty design for rugged trials riding – 155mm length with removable 23T chainwheel – CNC machined from 7075-T651 billet aluminum for superior strength – Polished finish only.

### (4) MTB Conversion Kit

Converts all Profile Racing American Style 3-Piece Cranksets (except SS) to MTB/Euro 3-Piece chromemoly cranksets – Includes: 2-threaded cups and 4-bearings, 1-set of assorted aluminum spacers, 2-cone spacers and 1-tube spacer.



## SHOP TALK

### Worried or Warranty?

Buying a new crankset is a hard decision to make, but if you are looking for American made, tubular chromemoly cranks then Profile Racing is your best bet. Our crank arms are made from heat-treated 4130 chromemoly to ensure strength and durability. In addition, you can't pass up our Lifetime Limited Warranty (to the original purchaser) on crank arms and chromemoly spindle. The Profile Racing LLW protects your purchase against breaking, bending or cracking.





kyle strait

photo: gibson



### (1) Evolution American Cartridge Bottom Bracket

American bottom brackets are as easy to install and remove as Euro bottom brackets with Profile Racing's new Evolution (patent pending) bottom bracket. The cartridge system threads into itself and secures the outside cup flanges to the edges of the frame bottom bracket shell. You never have to press in cups and bearings again. Your easy installation is secure with use of the proprietary Evolution wrenches. The Evolution bottom bracket is self-installing and self-removing by either tightening or loosening the respective halves to each other. Because the Evolution bottom bracket is essentially a single unit when it is installed, perfect bearing alignment is achieved thus allowing the crank arm assembly to spin freely like never before. The Profile Racing Evolution revolution has begun. NOTE: Evolution wrenches, spindle and bolts sold separately.

SPECIFICATIONS: Race Evolution - 19mm or 3/4" spindle. SS Evolution - 22mm or 7/8" spindle. The Evolution was manufactured to fit Profile Racing cranksets and most other crankset brands.

### (2) Evolution Wrenches

These wrenches are the proprietary tools used to install and remove the Evolution bottom bracket - Manufactured in our USA plant to meet the highest quality standards and to complement the distinctive design of the Evolution - Sold in pairs.

### (3) Euro Bottom Bracket

Complete bottom bracket for 3-piece chromemoly 48-spline cranksets - Includes: 2-cups with bearings, 1-48-spline .75" diameter chromemoly spindle, bolts, washers and spacers.

### (4) and (5) MTB or BMX Spiders

Designed for use with Profile Racing 3-piece chromemoly cranksets - Aircraft grade aluminum alloy - Standard 110mm bolt pattern for BMX - 110/74 or 94/58mm bolt pattern for MTB - CNC machined from billet plate aluminum - Available polished only.

### (6) BMX Hop-Up Kit

Available separately or on BMX Race 3-Piece crankset - Cone spacer and cup blend precisely for a smooth one-piece appearance - Includes 2-cups, 2-bearings, 2-cone spacers and 2-flush mount bolts and washers.

### (7) Profile Racing American Bottom Bracket Cup Tool

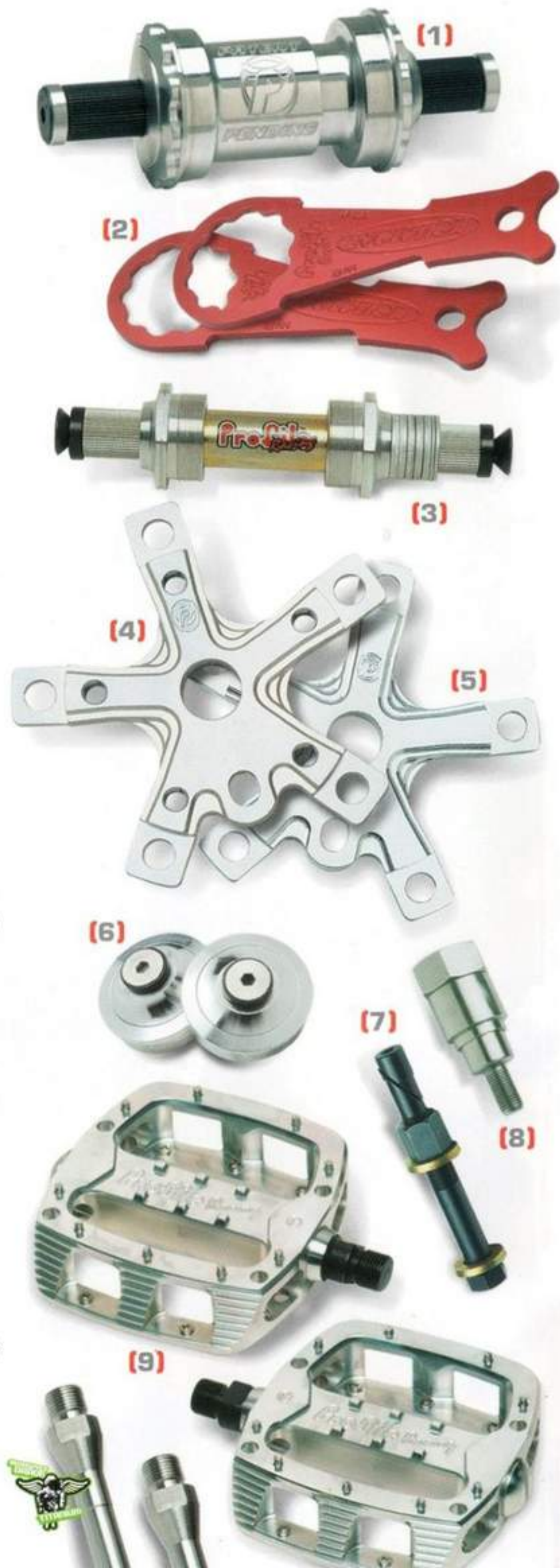
Use this heat-treated chromemoly tool to install and remove cups for the American bottom bracket Profile Racing 3-piece chromemoly crankset.

### (8) Profile Racing Crank Tool

Use to install and remove arms from the 48-spline spindle of the 3-piece chromemoly crankset - Made from heat-treated chromemoly - Three sizes: Race, DJ and SS.

### (9) Profile Racing Gas Pedals

Long lasting platform pedals - Bodies are CNC machined from 6061-T6 billet aluminum - Features three sealed, self-lubricating cartridge bearings per pedal with massive 12mm chromemoly pedal axles - Titanium axles available as an upgrade.



**aaron bostrom**

photo: dolecki



**(1) Imperial Chainwheel**

Profile Racing's most popular chainwheel – CNC machined from billet aluminum – The unique 18 spoke super strong design helps eliminate flex – Sizes: 24T – 46T sizes in one-tooth increments – Polished, black or gold – Red & Blue colors available in 25T size – Also certified aerospace grade titanium Imperials in 25T, 28T and 30T sizes in polished only. (The Ti-Imperial is the lightest 25T titanium sprocket available today)

**(2) Kevin Porter Titanium Signature Chainwheel**

Designed by Kevin Porter and manufactured by Profile Racing – CNC machined from certified aerospace titanium in a unique design – Rider tested and used by KP – Available in 25T, 27T, 28T and 30T sizes – Polished only. (Kevin Porter rides a 27T size)

**(3) Widowmaker Race Chainwheel**

This new and innovative sprocket joins Profile Racing's popular chainwheel selection – Unique spider web design minimizes weight but keeps the strength-integrity of the chainwheel – Accepts  $\frac{3}{32}$ " chain and is available in 36T-46T sizes – CNC machined from billet aluminum – Made in the USA – Polished only.

**(4) Widowmaker SS Chainwheel**

The Widowmaker SS is for Freestyle/Street riding – Thicker than the Widowmaker Race but with the same spider web design that minimizes weight but keeps the strength-integrity of the chainwheel – 8mm thick and made for a  $\frac{1}{8}$ " chain - Available in 39T or 44T sizes - CNC machined from billet aluminum - Made in the USA – Machined black anodized finish

(1)



(2)



(3)



(4)





**kevin porter**  
photo: freimuth

**(1) SS Blackjack Chainwheel**

The famous SS Blackjack designed exclusively for freestyle and street – Built to take the punishment of the real world rider – CNC machined from 10mm (3/8") billet aluminum – Choice of 1/8" or 3/16" chain versions – Available in 36T or 44T only – Made in the USA – Machined black anodized finish.

**(2) Inferno (Race) Chainwheel**

Burn up the track with this good looking Profile Racing chainwheel design – Thinner and lighter than the popular freestyle sprocket, the Fireball – CNC precision machining quality that has made Profile Racing famous – Fits a 3/32" chain – Sizes: 39T to 46T – Polished only.

**(3) Fireball (Freestyle) Chainwheel**

One of Profile Racing's popular freestyle/street chainwheels – CNC machined from 9mm billet alloy aluminum plate – Sizes: 39T and 44T – In two widths for 1/8" chain or 3/16" chain – Machined fire red anodized finish.

**(4) Hurricane Chainwheel**

The Hurricane's stylish "storm band" design looks fast even standing still – CNC machined from billet aluminum plate – Available in 39T to 46T – Polished or machined black anodized finish – For 3-piece chromemoly cranksets.

**(5) Whippit Chainwheel**

Precision CNC machined from aircraft quality billet aluminum plate – Features a unique 8-spoke design – Sizes 36T to 48T – High polished finish only – Designed for 3-piece chromemoly cranksets.

**(6) Ripsaw II Chainwheel**

Like its predecessor with more intricate machining – Precision CNC machined from aircraft quality billet aluminum plate – Tri-blade design – Sizes 39T to 48T – Red, Blue, Black and Polished finishes – Designed for 3-piece chromemoly cranksets.

**(7) SS Flywheel Chainwheel**

Designed for super strength and reliability that the street demands – CNC machined from 6mm billet aluminum – Sizes: 36T, 39T, 43T, 44T and 45T only – Polished and black anodized – For 3-piece chromemoly cranksets.

**(8) BMX Billet Chainrings**

CNC machined from aircraft quality billet aluminum plate – Outer chainring features a Profile Racing exclusive "fanned" design – Fits 110mm bolt pattern spider – Sizes: 34T, 36T, 39T, 40T, 41T, 42T, 43T, 44T, 45T, 46T, 48T – Available in polished and red, blue and black anodized finishes.

**(9) MTB Chain Guard**

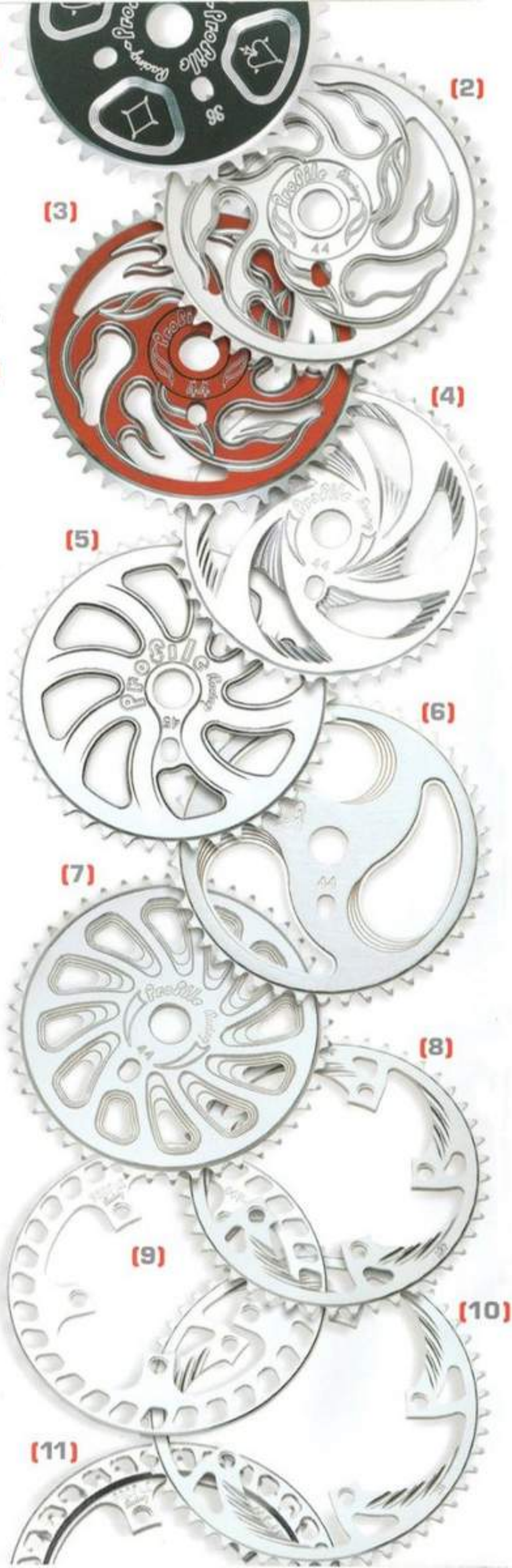
Designed to be used in conjunction with Profile Racing's downhill chainrings – Replaces middle chainring to act as an inner chain guard – CNC machined from billet plate aluminum – Sizes: 38T, 40T, 42T, 44T, 46T, 48T, 50T and 52T – 110mm bolt pattern – Available in a bright silver anodized finish.

**(10) MTB Billet Chainrings**

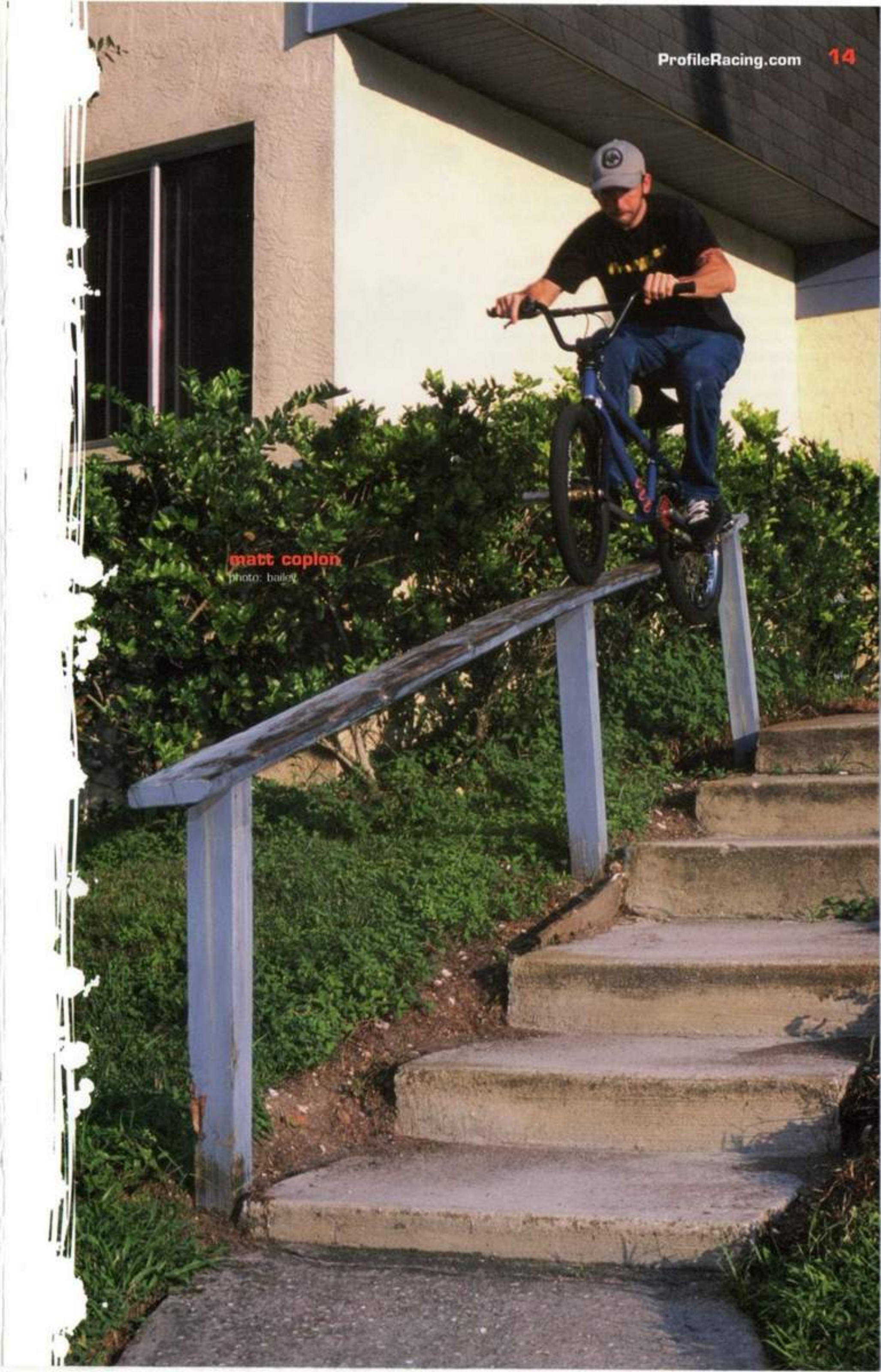
These chainrings are CNC machined from aircraft quality billet aluminum plate – Outer chainring features a Profile Racing exclusive "fanned" design – Bolt patterns are 110mm, 94mm, 74mm, 58mm and 56mm – Sizes: 20T, 22T, 24T, 26T, 28T, 30T, 32T, 34T, 36T, 38T, 42T, 44T, 46T, 48T, 50T and 52T – Available in silver, red, blue or black anodized finishes.

**(11) MTB Downhill Chainring**

Designed exclusively for Downhill racing – CNC machined from billet 6061-T6 aluminum – Built-in guard helps prevent chain drop – Sizes: 38T, 40T, 42T, 44T, 46T, 48T, 50T and 52T – 110mm bolt pattern – Available in a bright silver anodized finish.



**matt coplon**  
photo: bailey



**(1) SS Cassette Hub**

Available in 48 or 36 hole – Oversized hub shell for increased rigidity – 19mm heat-treated chromemoly axle – Uses 6 sealed cartridge bearings – Four pawl internal cassette mechanism for superior strength – Choice of cog size (9T - 18T) – 14mm or 3/8" axle studs standard – Polished, black, red, blue or gold anodized finishes – Can be purchased alone or in sets (front & rear) – 14mm straight chromemoly or titanium axle upgrade available.



**(2) Left Hand Drive Cassette Hub**

Available in 48 or 36-hole – Same quality features as Profile Racing's SS Cassette Hub but with a twist – Exclusive reverse drive mechanism allows mounting of drive train on left side of bicycle – Allows rider who naturally grinds on the right to move the chainwheel to the opposite side and out of the way – LHD reverse thread SS and Race crankarms also available – Polished, black, red, blue and gold



**(3) SS Freewheel Hub**

Available in 48 or 36-hole – Designed for the serious freestyle/street rider – Lightweight aluminum oversized 6061 shell – Heat-treated chromemoly axle design and oversized sealed cartridge bearings – 14mm or 3/8" axle studs – Polished or black anodized finish.



**(4) SS Front hub**

Available in 48 or 36 hole – Oversized hub shell for increased rigidity – Hollow 19mm heat-treated chromemoly axle with two sealed cartridge bearings – Choice of 14mm or 3/8" axle studs – Polished, black, red, blue or gold anodized finishes.



**(5) Mini SS Cassette**

Mini version of the super strong Profile Racing SS Cassette hub – High/Low flange design – CNC machined from 7075-T6 aluminum – 19mm hollow axle for dramatic weight savings – 4 pawl engagement mechanism – 36 or 28 holed design – Accepts all Profile Racing cogs (9T - 18T) – Polished, black, red, blue or gold anodized finishes – Can be purchased alone or in sets (front & rear) – 14mm straight chromemoly or titanium axle upgrade available.



**(6) Mini SS Front**

Perfect compliment to the Profile Racing Mini SS Cassette hub – Low flange design – CNC machined from 7075-T6 aluminum – 36 or 28 holed design – 3/8" axle bolts standard – Polished, black, red, blue or gold anodized finishes – 14mm solid titanium axle upgrade available.



**(7) Profile Racing 14mm Titanium Axle**

For Profile Racing SS and SS Mini Cassettes

Perfect complement to Profile Racing's SS and SS Mini Cassettes – Made with certified aerospace grade titanium – CNC precision machined – Comparable strength to its chromemoly counterpart.

**(8) Profile Racing 14mm Titanium Axle**

For Use With Primo Pro Cassette Hubs

Manufactured with certified aerospace grade titanium – Although this axle has been used for heavy street riding it is recommended for park and light street use only.

**(9) Profile Racing 14mm Titanium Axle**

For Use With Odyssey Hazard Cassette Hubs

Manufactured with certified aerospace grade titanium – Although this axle has been used for heavy street riding it is recommended for park and light street use only.

All Profile Racing cassette hub drivers are 6AL-4V Certified Aerospace Titanium.





kev garwood  
photo: cameron





### Tubing

Profile Racing starts with only the highest quality American manufactured tubing, 4140 chromemoly and titanium bar stock. Profile Racing's crank tubing is a special high strength alloy that we have perfected. This tubing is manufactured exclusively for Profile Racing. Deliveries from the mill arrive at our St. Petersburg, Florida manufacturing facility weekly.

1



### Cutting

Here crank tubing, 4140 chromemoly and titanium bar stock, are rough-cut. The tubing will go on to be swage formed and bar stock will go on to be precision machined, drilled and tapped in our CNC lathes.

2



### Swaging

Cut crank tubing goes to our rotary forming machines where the tubing is formed into the classic Profile Racing tapered look. This process adds the superior strength to the crank arm blank by realigning the molecular metal structure of the tubing. Taper formed blanks are then cut and sent on to be CNC milled for the large and small pedal bosses.

3



### Boss Turning

Our state of the art CNC lathes automatically machine the bar stock to left and right hand pedal bosses, large spindle bosses, and tubing spacers. The spindle bosses are then sent on to our broaching department where the female 48-spline is broached into the bosses.

4



### Crank Arm Milling

Here Profile Racing's milling machine awaits formed crank blanks for milling. The tubing blanks are placed into special fixtured vises and the ends are precision cut to specific lengths and milled with "U" shaped pockets for fitting of pedal and axle bosses. Profile Racing makes over 15 different length crank arms. Precision accuracy is the key factor here.

5

# World Class Chrom

## #1 Industry Stan

# 10 Steps to



# Chromemoly Cranksets

## Standard Since 1980

# Go to the Best

In 1979, Profile Racing pioneered and was the first to offer a lightweight tubular chromemoly crankset with the 48-spline spindle. We set the standard for the BMX industry and a quarter century later we are still the #1 American crank manufacturer and still setting the standards high with our complete product line.



10



### Finishing Stage

The final stage of the crank process is the finish manufacturing. Crank arms are ground and polished to prepare them for the triple chrome finish or the black powder coat finish. At the completion of this process all parts arrive at our packaging facility at which point they are boxed and sent off to our awaiting customers.

9

### Axle Hobbing

Thousands of both 4140 and titanium axle blanks wait their turn to be spline hobbled in our CNC hobber. The precision hobbing is very critical so that both sides of the axle have 48-splines that line up perfectly with each other.



8

### Spindle Turning

The spindle blanks (both 4140 chromemoly and titanium) are machine drilled and thread tapped to exacting specifications. Precision quality accuracy is a top priority here.



7

### Welding

Profile Racing's milled crank arms, pedal and 48-splined axle bosses are positioned in precision fixtures, tacked and artfully welded by our certified welders who have a combined 100-plus years of welding experience.



### Stamping

Precision milled crank blanks are sent on to our 100-ton press brake. Here the arm goes through the final stage of being ovalized and stamped with the Profile Racing logo. Then it's onward from here to the welding department.

6



**(1) BMX Race Cassette Hub**

Profile Racing's celebrated hub - Available in 48, 36, 32 or 28 hole - Oversized hub shell for increased rigidity - 6 sealed bearings - Unique design of axle studs (chromemoly) eliminates excess load on bearing due to tightening of axle nut - 4 pawl internal cassette mechanism for superior strength - 7075-T651 aluminum freehub body with chromemoly and titanium internal parts - Choice of cog size (9T - 18T) -

Easy to disassemble and service with two 3/4" wrenches - Available in polished, black, red, blue and gold finishes - Can be purchased alone or in sets (front & rear).

**(2) BMX Front Hub**

Available in 48, 36, 32 or 28 hole - Oversized 6061 shell with an oversized hollow 7075 aluminum axle - 7/8" diameter - Oversized sealed, self-lubricating bearings - Colors: polished, black, red, blue and gold anodized.

**(3) BMX Mini Race Cassette Hub**

Mini version of the Profile Racing's legendary BMX Race Cassette hub - weight saving high/low flange design - CNC machined from 7075-T6 aluminum - 19mm hollow axle for dramatic weight savings - 4 pawl engagement mechanism - 36, 28 or 24 holed design - Accepts all Profile Racing cogs (9T - 18T) - Polished, black, red, blue or gold anodized finishes - Can be purchased alone or in sets (front & rear).

**(4) BMX Mini Race Front Hub**

Compliments the Profile Racing Mini BMX Cassette hub - Low flange design - CNC machined from 7075-T6 aluminum - 3-piece aluminum center axle with 3/8" allen bolts (titanium axle bolts upgrade available) 36, 28 or 20 holed design - Polished, black, red, blue or gold anodized finishes.

**(5) BMX Race Freewheel Hub**

Lightweight aluminum with oversized 6061 shell - 7075 oversized hollow axle - 7/8" diameter - Oversized bearings for longer life - Unique axle design eliminates bearing load - 48, 36, 32 or 28-spoke hole drillings - Available in polished or black anodized finishes - Can be purchased alone or in a set (front and rear).

**(6) BMX 3-Speed Cassette Hub**

Multiple speed version of our BMX Race Cassette hub - Available in 48, 36, 32 or 28-hole - hollow 19mm 7075-T651 aluminum axle - uses 6 sealed cartridge bearings - Unique design of axle studs (chromemoly) eliminate excess load on bearings due to tightening of axle nut - 4 pawl internal cassette mechanism for superior strength - Cassette drive accepts three cogs - Comes with 16, 17 and 18T cogs and a derailleur hanger - Available in polished or black anodized finishes.

**(7) Drive-Bi Freewheel Hub**

Same great features as Profile Racing's Freewheel Hub - Accommodates both RH freewheels and LH freewheels - 36 or 48-holed - 3/8" or 14mm axle studs - Polished or anodized black finishes.

**(8) MTB 8-Speed Cassette Hub**

Oversized 6061-T6 hub shell for increased stiffness - 19mm 7075-T651 aluminum axle for added strength - Uses 6 sealed precision cartridge bearings for a long and smooth life - Titanium cassette drivers are standard - Shimano compatible - Standard 135mm rear spacing - Available in 32 and 36-hole patterns - High polished or black anodized finish.



**(9)**

### **(9) MTB Disc Ready 8-Speed Cassette Hub**

Oversized 6061-T6 hub shell for increased stiffness – 19mm 7075-T651 aluminum axle for added strength – Uses 6 sealed cartridge bearings for a long and smooth life – Titanium cassette drivers are standard – Shimano compatible – For Hayes disc brakes only – Standard 135mm spacing – High polished or black anodized finish.

**(10)**

### **(10) MTB 8-Speed Extra Wide Cassette Hub**

Specifically designed for DH frames with extra wide chainstays and bottom brackets – Allows better chain alignment and shifting. Centered flanges allow for a dishless and stronger wheel – Same features as Profile Racing's other MTB cassette hubs – Disc brake only: 150 or 160mm widths – 10mm bolt-on axle – 36 or 32-hole – Polished or black anodized finish.

**(11)**

### **(11) MTB Standard Hub Front**

Comes without disc brake mount – Skewer style or stud style available – 32 and 36-hole patterns only – 100mm spacing – High polished or black anodized finish.

**(12)**

### **(12) MTB Front Disk Brake Hub**

For use in standard 10mm axle forks with disk brake mount – Available with bolt-on or quick release axles. 100mm width – 36 or 32-hole. Polished or black anodized finish.

**(13)**

### **(13) MTB 20mm Front MTB Hub**

Available in 36 or 32-hole – 20mm thru axle with 2 sealed cartridge bearings – Designed for double or triple-clamp forks. Comes without disc brake mounts only – High polished or black anodized finish.

**(14)**

### **(14) MTB 6-Speed Cassette Hub**

Designed for use in dual slalom and trials where 8 or 9-speeds are not always needed or desired – Fits 6 cogs with 8-speed spacing – Centered flanges allow for a dishless and stronger wheel – Same features as Profile Racing's other MTB cassette hubs – Disc brake only – 36 or 32-hole – 135mm width – Available with bolt-on or quick-release.

**(15)**

### **(15) Single Speed MTB Cassette Hub**

Latest edition to Profile Racing's MTB Cassette Hub series – Specifically designed for the growing hybrid MTB and Freeride bicycles – Disk brake only – Same features as Profile Racing's 6-Speed Cassette Hub – 36 or 32 hole – 135mm width – Polished or black anodized – Comes with choice of cog (9T - 18T).

**(16)**

### **(16) SS Hub Studs**

For replacement or converting your SS 3-piece axle from  $\frac{3}{8}$ " to 14mm or 14mm to  $\frac{3}{8}$ ".

**(18)****(17)**

### **(17) Hub Guard**

Designed exclusively for Profile Racing's hub – Guard fits perfectly over the end of a Profile Racing cassette hub – Provides maximum protection for the hub and spokes with minimum installation effort – Black only.

### **(18) Adapter Kit**

Converts  $\frac{3}{8}$ " hub studs to 14mm opening in drop outs and pegs.



### Profile Racing Mini Lite Wheelset

You can now put Profile Racing's ultra-lightweight wheelset on your BMX mini frame - Wheelsets feature Profile Racing's new Mini Lite Cassette Hubset - 16-spokes on the front hub and 20-spokes on the rear hub - Laced with Marwi USA Ti-Dye® titanium spokes - Rims: 20" x 1 1/8" aluminum Velocity™ - This is the lightest\* Profile Racing wheelset yet - Features the legendary Profile Racing cassette technology - Available in Polished, black, red, blue or gold anodized finishes - Mix or match hub and rim colors - Sold only as wheelsets.

\* Under 3 lbs.



### BMX Wheel Sets

Complete wheelsets - Feature choice of any Profile Racing hub - Choice of Sun rims - Available in 20, 24, 28, 36 or 48 holed - Colored hubs, black or chrome rims - Single or set.

**Caleb Minthorn**

photo: bostrom



**(1) BMX/MTB H.I.P. (Hidden Internal Piston) Handlebar Stem**

H.I.P. mechanism is unique (patent pending) – Uses force of four front bolts to clamp the bars to the stem while simultaneously clamping the stem body to the fork tube – Eliminates the need for clamping bolts on the fork tube end – Clean looking with less weight and greater knee clearance – Sizes for BMX 1" steerer tube, BMX 1-1/8" steerer tube and MTB 1-1/8" steerer tube – Choose Mini, Mini XL, Pro, Pro XL, Pro XXL – Available in polished or black anodized finish.



(1)

**(2) Mini and Mini XL for 1" steer tube**

Features stainless hardware – Available in polish or black anodized finish.



(2)

**(3) BMX Clamp-On Handlebar Stem**

CNC machined from aircraft quality billet aluminum – Pro XL and Pro XXL for 1-1/8" steer tube – Features 1" of height adjustment in increments – Available in polished or black finish.



(3)

**(4) BMX Billet Aluminum Quill Handlebar Stem**

CNC machined from aircraft quality billet aluminum – Inverted design and spacers allow for increased height adjustability – Intricate machined surfaces create a "high-tech" look – Sizes: Mini, Mini XL, Pro, Pro XL and Pro XXL – Available in polished or black anodized finish.



(4)

**(5) BMX Handlebars**

Available 4" and 8" rise – Fabricated from 4130 chromemoly – Each feature a heavy gauge .065 main bar and .049 cross bar – Knurled clamping surface – Silver, black or raw finish – Made In USA!



(5)

**(6) Bar Tenders & Grip Stops**

Profile Racing's solution to common grip problems – Single functional design eliminates grip slide and end blowouts – CNC machined from billet aluminum – Fits 7/8" OD sized handlebars only – Available in silver and black finish – Grips not included.



(6)





**chris adamski**

photo: dolecki





### Profile Racing SS/JYD Frame

Super Strength Junk Yard Dog, need we say more? – New geometry and just 5.5 lbs. – Double-butted tubing – Seat stay brake mounts for new lower gear sizes and wishbone chain stays – Triangular plate design on seat stays for added strength and lower weight – New laser-cut dropout design enhances the weight savings.



### PR Cruiser 24"

Designed for the racer that doesn't race 20" any longer or the racer that chooses to race two classes – Same great quality goes into the PR Cruiser as our Racer series – Features 4130 chromemoly tube-set with oval down tube – Made in the USA.

#### JYD

Top Tube Length: 20 in., 20.5 in. and 21 in.  
 Top Tube Diameter 1<sup>3</sup>/<sub>8</sub> in.  
 Head Tube Angle: 74 degrees  
 Seat Tube Angle: 71 degrees  
 Rear Triangle: 14.25 in.

#### PR Cruiser

Top Tube Length: 21.5 in.  
 Headtube Angle: 73.5 degrees  
 Seat Angle: 73 degrees  
 Chainstay: 14.25 in.  
 Bottom Bracket Height: 11.75 in.



**mark mulville**  
photo: dolecki



### Profile Racing Pro/Pro XL Racer Frame

Made with 4130 chromemoly in the USA – Machined turned head tube and bottom bracket shells for added strength – Down tube is 2-1/4" double-buttet 4130 chromemoly and is manufactured at our St. Petersburg, FL factory – Highest quality frame available – Weighs less than 5 lbs.



### Profile Racing BMX Mini Racer

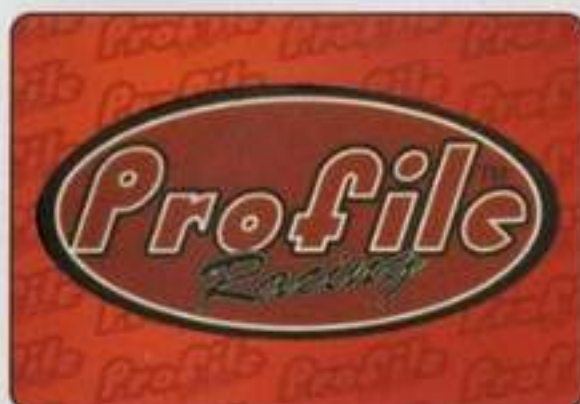
Chromemoly Racer for the small racer – Same features as the Racer but much lighter – Accepts Profile Racing's new Mini Series components for one of the lightest frames available today – Made in the USA.

<b>BMX Racer</b>	<b>Mini BMX Racer</b>
Weight: 4.8 lbs.	Under 4 lbs.
Material: 4130	Material: 4130
Top Tube Length: 20.5 and 21.5 in.	Top Tube Length: 17.5 in
Headtube Angle: 74 degrees	Headtube Angle: 73.5 degrees
Seat Angle: 72 degrees	Rear End Length: 13.5 in. from center
Rear End Length: 14.75 in. from center	Bottom Bracket Height: 11.5 in
Bottom Bracket Height: 11.75 in	

### SHOP TALK

#### What's in a name?

The company, Profile Racing, Inc. actually got its' beginning back in 1968 when owner, Jim Alley acquired majority ownership of A & H Racing Engineering, a successful automotive speed shop in New Jersey that hand made custom racecars and dragsters. Shortly after the stock buyout, Alley was reading a dragster magazine and the title of a feature article caught his eye and his imagination. The title of the article was "Drag Race Profile". Not long after Alley put the magazine down, A & H Engineering officially became "Profile Racing, Inc." However, it was almost a decade later that Profile Racing, Inc. began manufacturing high-end BMX bicycle parts.





**chris fernandez**  
photo: sack



### Unicycle Frame

Find a balance in your life. This is where the single-speed craze really got started. With a 4130 chromemoly frame and Profile Racing Unicycle Crankset & Hub, you won't break this one.

### Unicycle Crankset and Hub

6061-T6 aluminum hub body shell – 6<sup>7</sup>/<sub>8</sub>" 4130 chromemoly splined axle – 80mm hub width – Unicycle crankset and hub supplied with hub, axle, bolts, washers and Profile Racing chromemoly crankarms – 36-hole - Polished finish.

### SHOP TALK

#### All Titanium Is Not The Same

Profile Racing uses only the best titanium. From spindles, axles, cog/drivers, sprockets and other BMX components Profile Racing stands for quality. Did you know there are only two places you can buy certified aerospace titanium? Here in the USA and Russia. With our parts you get 25-years of BMX manufacturing experience in each titanium BMX component we make here in the USA. Know what you're buying and ask if the titanium component is made from certified aerospace grade titanium. If Profile Racing makes it, you don't have to ask.



**kris holm**  
photo: leach



**(1) Titanium 48-Spline Axle**

For Profile Racing Race/DJ/MTB/SS Cranksets

Two versions for Race and SS style Profile Racing cranksets (not interchangeable) – Made with certified aerospace grade titanium (CAGT) – For either European or American bottom brackets – For use with Profile Racing Race, DJ and MTB/Euro and SS 3-piece cranksets only – Lengths 5-3/4", 6", 6-7/8" – SS 5-3/4" only.



**(2) Profile Racing Titanium Spindle (22mm)**

For Use With We The People Cranksets

Profile Racing manufactures this CAGT spindle to fit We The People cranksets (22mm diameter x 5-3/4").

**(3) Profile Racing Titanium Spindle (22mm)**

For Use With Primo Powerbite Cranksets

Profile Racing manufactures this CAGT spindle to fit Primo Powerbite cranksets (22mm diameter x 5-3/4").

**(4) Profile Racing's 9-10-11T Titanium Cog/Drivers**

CNC machined at Profile Racing's USA plant using CAGT – Cog/drivers fit all Profile Racing's cassette hubs – Comes without pawls & springs – LHD and RHD available.

**(5) Profile Racing 9T Titanium Cog/Driver**

For Use With Odyssey Hazard Cassette Hubs

Profile Racing manufactures this CAGT cog/driver to fit the Odyssey Hazard cassette hub – Comes without pawls & springs – RHD only.

**(6) Profile Racing 9T Titanium Cog/Driver**

For Use With Primo Pro Cassette Hubs

Profile Racing manufactures this CAGT cog/driver to fit the Primo Pro cassette hub – Comes without pawls & springs – RHD only.

**(7) Profile Racing Titanium Flush Mount Bolt Kit**

Not available for SS spindle – CAGT.

**(8) Profile Racing Titanium 3/8" Axle Bolts**

Manufactured to fit all Profile Racing Race front hubs – Sold only in pairs – CAGT.

**(9) Profile Racing Titanium 14mm Jack's Nuts**

Titanium replacement for your heavy chromemoly nuts – Precision CNC machined – CAGT.

**(10) Aluminum Pegs**

These are the ultimate grinding pegs – Profile Racing's Aluminum pegs combine the lightness of aerospace aluminum with a titanium outer casing – Provides super strength for the most demanding tricks, grinds and slides – Weighs only 6.4 ounces – Fits 3/8" and 14mm with a 3-position rotation.

**(11) Tofu Pegs**

CNC machined billet aluminum bar stock – Two sizes: 3/8" or 14mm – Axle nut protection when grinding.

**(12) Profile Racing "Porkchop" Sprocket Guard**

Designed to guard and protect the Blackjack chainwheel as well as most other four-hole chainwheels – Available for 36T and 44T Blackjack chainwheels and 36T Flywheels – Black anodized finish.

**(13) Profile Racing Imperial Guard**

Designed to guard and protect the Imperial 24T, 25T and 26T Imperial chainwheel – CNC machined billet alloy aluminum – Black anodized finish.







**athony cico**  
photo: york

**(1) Profile Racing Wing P BMX Seat**

SDG Seat with embroidered "Wing P" design saddle cover - BMX Race seat is the SDG Belair - Choice of chromemoly or titanium rails - Red/Black color only (as shown).

**(2) BMX Freestyle Seat**

BMX Freestyle seat also has the Profile Racing "Wing P" design embroidered in the saddle - SDG Freestyle seat comes with chromemoly rails - Black saddle as shown.

**(3) Profile Racing Slim Jim Seat Post Clamp**

CNC machined from aircraft quality billet aluminum - Lightest seat post clamp available - Smaller than Profile Racing's oversized seat post clamps for even more weight savings - 1", 1-1/8" and 1-1/4" sizes available - Polished, black, red, blue and gold.

**(4) BMX Oversized Seatpost Clamps**

CNC machined from aircraft quality billet aluminum - Uses heavy duty 5/16" coarse thread clamping bolt - 1", 1-1/8" and 1-1/4" sizes available - Polished, black, blue red and gold.

**(5) Cassette Cogs**

Exclusively made to fit Profile Racing cassette hub - CNC machined from heat-treated 4340 aircraft alloy steel for strength and durability - Cogs are available in 12T to 18T.

**(6) Profile Racing Freecoaster 9T Cog/Engager**

For Use With Nankai Freecoaster Hub

Designed for the flatland rider that wants to take advantage of small gear technology - Fits Nankai freecoaster hub only.

**(7) Profile Racing BMX Tire Tubes**

Top quality inner tube rubber made specifically for BMX riding styles - Sizes: 20" x 1-1/8", 20" x 1-3/8", 20" x 1.75", 24" x 1.75", 24" x 1-3/8".

**(8) Mark Mulville Profile Racing T-Shirt**

Unique design incorporates and celebrates Profile Racing's automotive background - Really, really tangerine - Black or gray color with gold print - Sizes: Adult S-M-L-XL-XXL

**(9a) Profile Racing Factory**

**(9b) "Surfboard" T-Shirts**

Four color logo - Available in assorted colors - Sizes: Adult S-M-L-XL-XXL

**(10) Profile Racing Freestyle T-Shirts**

Assorted colors with assorted colored logos - Sizes: Adult S-M-L-XL-XXL

**(11) Profile Racing Sweatshirt Hoodie**

Dripper logo in assorted colors and assorted colored logos - Sizes: Adult S-M-L-XL-XXL

**(12) Profile Racing Caps**

Two Styles: Factory "Wing P" baseball style or Freestyle "Trucker" style - Factory hat color is black - Freestyle hat in various colors - One size fits all.





(8)



(9a)



(10)



(9b)



(11)



(12)





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Profile Racing Australia Service Centre - 613.9761.9877  
Country Bikes Distribution (Germany) - 89.357.46.89

\$3.00 USD



**axel jurgens**  
photo: layos