

SHIBUBUS



GAVIN M VOS – MTB PIONEER



Gavin Michael Vos was born in Cape Town, South Africa. Racing BMX as a kid, and coming from the surf industry originally, Gavin recognized early the potential in the fledgling MTB scene in the late 80's. Gavin started some of the first mountain specific shops in the country, while at the same time becoming more and more involved in the distribution and product development of a major European bicycle brand. Together with Brandon Els and Robbie Powell, he founded the South African Mountain Bike Association, (SAMBA), and managed the National MTB race series in the early 90's, culminating in South Africa's first World Cup in Stellenbosch, in 1997. His foresight and commitment to the race scene could be exemplified in that Gavin was World Champion Greg Minnaar's first sponsor as a youth.

It was his work in product management and development that lead him to Taiwan, where he saw the future of high end bicycle production, and has been for the better part of the last 20 years. Very quickly Gavin started building his Taiwanese empire, beginning with VOG (Verging on Genius), a design, development and marketing firm, which is still the backbone of Taiwanese operations. At the same time he co-founded one of the industries first gravity MTB oriented component brands, FUNN, where he brought such standards as the 31.8mm handlebar, extruded flat pedals, and shorty stems to the market. But, Gavin had much bigger dreams than this. In 2003, together with German distributor Sven Mack, he started SPANK Industries. SPANK was finally a place where Gavin had complete technical control and no limitations, and was able to push the industry as only he dared. Gavin's unique design flare and "never say never" attitude, helped SPANK to grow into one of the world's leading non-

corporate rider owned brands, specializing in highly weight optimized gravity MTB components. SPANK introduced several ground breaking patented designs such as the Oohbah rim profile. After several years of struggling with traditional manufacturers to evolve the advancement of materials and manufacturing processes, it became clear that only through in-house design, development, and manufacturing, could he guarantee that everything SPANK did would be state of the art. He began with major investment into a handlebar production facility, where he played a role in such innovations as wide handlebars, CNC Bending, Micro Grain Refinement of Alloys, and Dual XGT Tapers. Since Gavin founded Fratelli Industries, Taiwan's premier boutique rim production facility, today servicing several of the industries elite rim and wheel brands. Most recently Gavin has ventured into pedal manufacturing, after his iconic SPIKE Pedal design became one of the best selling high end flats on the planet.

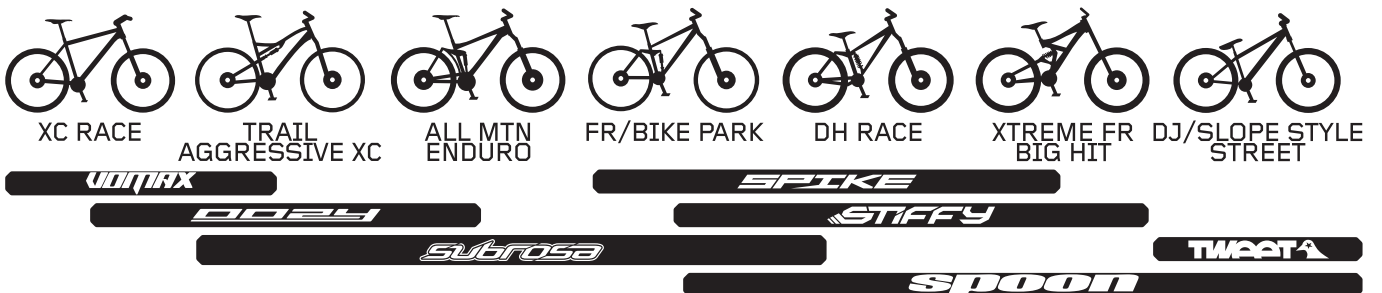
Aside from SPANK Industries, over the past fifteen years, Gavin played an significant role in the conception and growth of iXS Sports Division, with owner Peter Hostettler and brand manager Pascal Haf. He has also recently started a progressive American sales and service center, the Gravity Cartel, with the aim of bringing brands closer to riders.

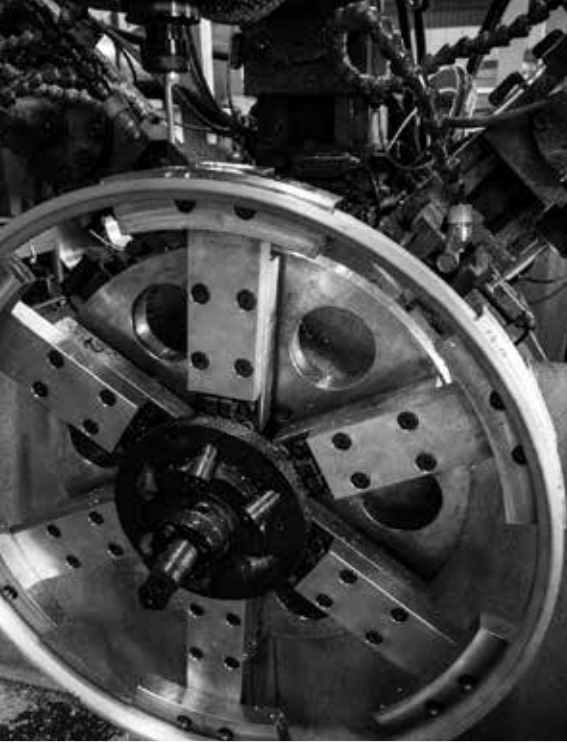
Today, SPANK Industries is proud to lead the charge in a movement encouraging responsible manufacturing ethics, with environmentally sustainable materials and practices, such as the development safe, affordable and recyclable alloy components which achieve the benefits of carbon. In everything we do, SPANK aims to make world cup level components accessible to everyone.



It could be argued, "Racing is Life", and every one of us was born to win. The simple fact that you exist means you have already won the first and most important race of all. But, why SPANK? Your first adrenaline rush was just moments from birth, when that all important SPANK on the buttocks kick-started your vitals and made you an adrenaline junkie for life. SPANK Industries aims to free your mind and trigger that rush every time you ride your bike!

SPANK Industries started as the brainchild of South African designer/manufacturer Gavin Michael Vos, and German distributor Sven Mack. Their goal was to create the perfect symbiosis of weight optimization, enhanced performance, and cutting edge style...and to do it at affordable prices! Today SPANK is one of very few brands our size in the world, with in-house design, development, testing, and production of our complete line of unique and exclusive components!





Fabricated by *Fratelli Industries*

Due to the amazing success of SPANK Industries' Oohbah patented rim designs, and a desire to push the limits in the development of new material and process technologies, SPANK Industries played an instrumental role in the establishment of exclusive in-house rim and handlebar production facilities, locally in Taiwan. Fratelli Industries is a state of the art 1500 square meter factory, specializing in boutique production of high end alloy rims for the bicycle industry. Fratelli employs proprietary extrusion, cutting, and hooping tooling and techniques, and works with advanced new era alloys. By combining virtual testing and analysis in design, industry leading empirical testing and a unique level of attention to material spec and quality controls, Fratelli offers its partners a rare opportunity to achieve optimized weights, improved consistency, and increased rigidity. This unique ability to drive material, process, and product development in-house has helped SPANK Industries to leap years ahead of the competition from a technical stand point.





The most important features of any rim are rigidity and weight. Rigidity or stiffness means more of your energy is transferred into drive force, (rather than flex) and acceleration/cornering/braking performance is improved. Reducing rolling weight in your wheels, more so than any other part on your bike, can dramatically reduce the energy needed to propel it forward. Take a look at a cross section of any given rim on the market. You'll see that both the outer and inner walls are concave. Now check out a SPANK rim. Our unique patented Oohbah™ profile with inverted tube well, approaches a toroidal shape, which has the lowest mass and highest stiffness on all planes. This increases rigidity immensely compared with conventional rim designs. The combination of a concave outer wall with a convex inner tube well, results in the addition of a new, never before

seen "hoop strength" in the sectional profile, which lends massive strength and stiffness to the rim as a whole, and places the center of inertia in the optimum position nearer the center of the profile. Furthermore the "wave" shape of the Oohbah inner tube well acts like corrugated steel roofing to add strength and support to the vertical rim flange walls and prevent buckling. Normal straight or curved tube wells must be much thicker to offer the same support. The increased strength and rigidity offered by our Oohbah™ profile affords us the opportunity to optimize wall thicknesses and material transitions, drastically reducing weight...AND... allows us to offer rims with greater widths, at much lower weights than our competitors. Wider rims mean stiffer wheels and more tire spread, leading to greater traction and improved comfort, and tire performance.

Bead Bite™

Bead Bite rim technology, paired with SPANK's patented Oohbah profiles, enhances tubeless use with tires of all types and with a greater range of air pressures. Bead Bite rims have 6 rows of tiny ridges which run along the vertical and horizontal faces of the bead seats. These tiny teeth create 12 air seals between the rim and tire as the bead conforms into them under air pressure. Furthermore, they dramatically increase frictional forces on the tire bead, reducing the bead's ability to move vertically or horizontally (thus improving tire stability and reducing burps). The bead literally becomes trapped between the vertical and horizontal ridges, even at very low air pressures. Even in tubed applications, Bead Bite rims tend to allow much lower air pressures with reduced risk of pinch flats.



Anti-Burp Tubeless Rim hooks

DYNAMAL ALLOY

"Dynamal" is a new, rare, virgin alloy composition. Unlike standard recycled alloy mixes, Dynamal is a dynamically aged highly magnesium-silicon enriched, pure alloy, which is blended with a special "secret" hardening metal. Compared to statically aged traditional alloy types, Dynamal shows a significant further increase in ultimate tensile strength and yield,

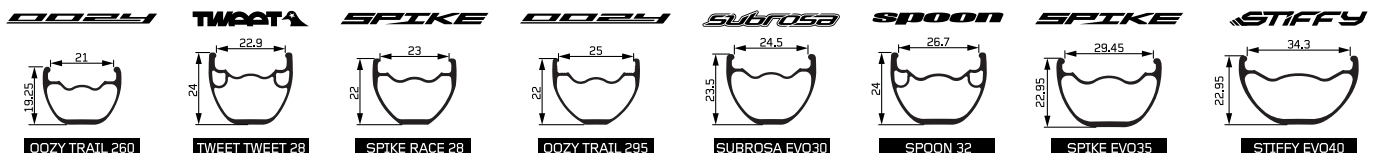
without the normal reductions in fatigue life. Imported and rare in our industry, Dynamal is used in the production of SPANK's EVO rim lines. It offers unparalleled rigidity in rims and a never before seen resistance to permanent deformation.

BeadNip™



Another secret of SPANK's patented Oohbah profile, is our double Beadnip™ technology. Traditional rim designs include only one set, called bead hooks on the vertical walls or rim flanges. The vertical hooks are crucial for tire retention. The Oohbah patent includes the addition of a second set of "nips" on the inner tube well (horizontal inner wall), which ensure the tire always remains in the bead-seat, even when riding at minimal air pressures.

Without it, on conventional rim designs the bead can slip inwards, leading to snake bites (pinch flats). Interestingly, in tubeless applications, the beadnips also act to trap the bead, preserving the seal between tire and rim, enhancing air pressure longevity and reducing annoying "burps". With SPANK's Oohbah patented rims, you can ride the tires you want, at the pressure you want, on any terrain...with far less fear of flats!

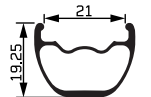




VOMAX

VOMAX 23AL EVO RIM

- Material · MGR Dynamal Alloy
- Features · 26", 29"/700c - 32H & 28H
- 23mm Outer Width
- Disc Specific
- F/V Presta Valve
- Tubeless Ready
- Polished-Anodized Finish
- Weight · From 350g
- ERD · 534mm++ (26") / 597mm++ (29"/700c)
- ETRTO · 559 x 18.5mm (26") / 622x18.5mm (29"/700c)
- Color



OOZY TRAIL 260

OOZY

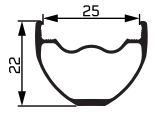
OOZY TRAIL260 EVO RIM

- Material · MGR Dynamal Alloy
- Features · 26" / 27.5" / 29" - 32H or 28H
- 26mm Outer Width
- Disc Specific
- F/V Presta Valve
- Tubeless Ready
- Polished-Anodized Finish
- Weight · From 415g
- ERD · 534mm++ (26") / 559mm++ (650b) / 597mm++ (29")
- ETRTO · 559 x 21 (26") / 584x21 (650b) / 622x21mm (29")
- Color
- MSRP 26" 69.90 Euro / 27.5" & 29" 74.90 Euro





Bead Bite™
Anti-Burp
Tubeless Rim hooks



OOZY TRAIL 295

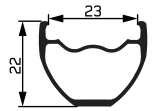
OOZY

OOZY TRAIL295 BEAD BITE RIM

Material	· MGR Dynamal Alloy
Features	· 26" / 27.5" / 29" - 32H or 28H · 29.5mm Outer Width · Bead Bite Bead Hook System · Disc Specific · F/V Presta Valve · Tubeless Ready · Polished-Anodized Finish
Weight	· 420-490g
ERD	· 528mm+/+ (26") / 553mm+/+ (27.5") / 591mm+/+ (29")
ETRTO	· 559 x 25 (26") / 584x25 (27.5") / 622x25mm (29")
Color	



DYNAMAL
ALLOY



SPIKE RACE 28

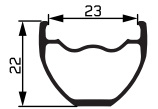
SPIKE

SPIKE RACE28 ENDURO RIM

Material	· MGR Dynamal Alloy
Features	· 26" / 27.5" - 28H · 28mm Outer Width · Disc Specific · F/V Presta Valve · Tubeless Ready · Polished-Anodized Finish
Weight	· 500g
ERD	· 528.5mma++ (26") / 554mma++ (27.5")
ETRTO	· 559 x 22.5mm (26") / 584x22.5mm (27.5")
Color	



DYNAMAL
ALLOY



SPIKE RACE 28

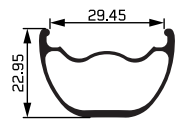
SPIKE

SPIKE RACE28 EVO RIM

Material	· MGR Dynamal Alloy
Features	· 26" / 27.5" - 32H · 28mm Outer Width · Disc Specific · F/V Presta Valve · Tubeless Ready · Shotpeen-Anodized Finish
Weight	· From 500g
ERD	· 528.5mm++ (26") / 554mm++ (27.5")
ETRTO	· 559 x 22.5mm (26") / 584x22.5mm (27.5")
Color	■ ■ ■ ■ ■



DYNAMAL
ALLOY



SPIKE EVO35

SPIKE

SPIKE 35AL EVO RIM

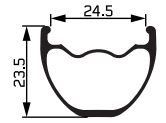
Material	· MGR Dynamal Alloy
Features	· Disc Specific · 26" - 32H · 35mm Outer Width · Disc Specific · F/V Presta Valve · Tubeless Ready · Polished-Anodized Finish
Weight	· 590g
ERD	· 526.5mm++
ETRTO	· 558.9 x 29.5mm
Color	■ ■ ■ ■ ■



DYNAMAL
ALLOY



DYNAMAL
ALLOY



SUBROSA EVO30

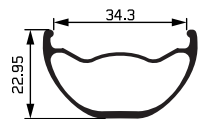
subrosa

SUBROSA 30AL EVO RIM

Material	· MGR Dynamal Alloy
Features	· 26", 27.5", 29" - 32H · 30mm Outer Width · Disc Specific · F/V Presta Valve · Tubeless Ready · Polished-Anodized Finish
Weight	· From 515g
ERD	· 525.5mm++ (26") / 550.5mm++ (650b) / 589mm++ (29")
ETRTO	· 559 x 22.5mm (26") / 584x22.5mm (27.5")
Color	■ ■ ■



SUPER 6
ALLOY

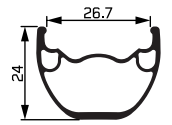


STIFFY EVO40

STIFFY

STIFFY 40AL EVO RIM

Material	· MGR Dynamal Alloy
Features	· 26" - 32H · 40mm Outer Width · Disc Specific · A/V Schrader Valve · Tubeless Ready · Polished-Anodized Finish
Weight	· From 670g
ERD	· 526.5mm++
ETRTO	· 559 x 34.3mm
Color	■

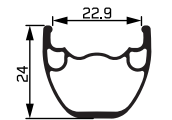


SPOON 32

SPOON

SPOON-32 RIM

Material	· Six Series Alloy
Features	· 26" - 32H
	· 32mm Outer Width
	· Disc Specific
	· A/V Schrader Valve
	· Shotpeen-Anodized Finish
Weight	· From 620g
ERD	· 526.5mm++
ETRTO	· 559 x 26.7mm
Color	



TWEET TWEET 28

TWEET

TWEET-28 RIM

Material	· Six Series Alloy
Features	· 26" - 32H
	· 28mm Outer Width
	· Disc Specific
	· A/V Schrader Valve
	· Brushed-Anodized Finish
Weight	· 550g
ERD	· 526.5mm++
ETRTO	· 559 x 22.9mm
Color	





HAND BUILT WHEELSETS

Every SPANK Industries wheel is hand laced, trued, strained and tensioned by one of our experienced technicians, then signed off with exact build specification details.



DYNAMAL
RACING

SPIKE

SPIKE RACE28 EVO WHEELSET

Weight (F/R)	· ±1990-2050g (26") 2070-2130g (27.5")
Rims	· SPIKE RACE28 EVO Dynamal Alloy Rims · 28mm outer width / 23mm inner width / 32H
Rear	· 9/10-Speed 12mm x 135mm OR 12mm x 150mm O.L.D. · Japanese bearing upgrade · Super-Lite Steel CNC Optimized Freehub Body · Alloy Internal Hub Axle · XD Freehub Compatible (Sold Separately)
Front	· 20mm x 110mm O.L.D. · 6 Bolt Disc Mount · 15mm Adapter Included
Features	· Hand Built and Trued - 3 Cross Lacing · Sandvik T302 Triple Butted 2.2/1.8/2.0 Spokes · Brass Nipples · Tubeless Ready *see hub and wheel accessories for available adapters
Color	





SPIKE

SPIKE RACE28 ENDURO WHEELSET

- Weight (F/R) · ±1800g (26"), ±1880g (27.5")
- Rims · SPIKE Race28 Enduro Dynamal Alloy Rims
· 28mm outer width / 22mm inner width / 28H
- Rear · 9/10-Speed 12mm x 142mm
· Standard QR (135mm) Rear Hub Adapter Kit Incl.
· Japanese Bearing Upgrade
· Super-Lite CNC Optimized Alloy Freehub Body
· 6 Bolt Disc Mount
- Front · XD Freehub Compatible (Sold Separately)
· 15mm x 100mm O.L.D.
· 20mm Front Hub Adapter Incl.
· Japanese Bearing Upgrade
· 6 Bolt Disc Mount
- Features · Oversized SSL (Single Spoke Length) Hub Flange Design
· Hand Built and Trued - 3 Cross Lacing
· Sandvik T302 Triple Butted 2.2/1.7/2.0 SP Spokes
· Alloy Nipples
· Tubeless Ready
· *see hub and wheel accessories for available adapters
- Color





Bead Bite™
Anti-Burp
Tubeless Rim hooks



DYNAMAL
RACING

OOZY

OOZY TRAIL295 BEAD BITE WHEELSET

Bead Bite Bead Hook System

Weight (F/R) · 1670g (26"), 1700g (27.5/650b), 1800g (29")

Rims · OOZY Trail295 Bead Bite Dynamal Alloy Rims
· 29.5mm outer width / 25mm inner width / 28H

Rear · 9/10-Speed 12mm x 142mm
· Standard QR Rear Hub Adapter Kit Incl.
· Japanese Bearing Upgrade
· Super-Lite CNC Optimized Alloy Freehub Body
· Oversized SSL (Single Spoke Length) Flange Design

Front · 6 Bolt Disc Mount
· 15mm x 100mm O.L.D.
· 20mm Front Hub Adapter Incl.
· Japanese Bearing Upgrade
· 6 Bolt Disc Mount

Features · Oversized SSL (Single Spoke Length) Hub Flange Design
· Hand Built and Trued - 3 Cross Lacing
· Sandvik T302 Triple Butted 2.2/1.7/2.0 SP Spokes
· Alloy Nipples
· Tubeless Ready
· see hub and wheel accessories for available adapters

Color 





DYNAMAL
RACING

OOZY

OOZY TRAIL260 EVO WHEELSET

Weight (F/R)	·1650g (26"), 1690g (27.5/650b), 1800g (29")
Rims	·OOZY Trail260 EVO 28H Dynamal Alloy Rims ·26mm Outer Width / 21mm Inner Width / 28H
Rear	·9/10-Speed 12mm x 142mm ·28H Straightpull ·Standard QR Rear Hub Adapter Kit Incl. ·Japanese Bearing Upgrade ·Super-Lite CNC Optimized Alloy Freehub Body ·6 Bolt Disc Mount
Front	·15mm x 100mm O.L.D. ·20mm Hub Adapter Incl. ·Japanese Bearing Upgrade ·6 Bolt Disc Mount ·Oversized SSL (Single Spoke Length) Flange Design ·Hand Built and Trued - 3 Cross Lacing ·Sandvik T302 Triple Butted 2.2/1.7/2.0 SP Spokes ·Alloy Nipples ·Tubeless Ready ·XD Freehub Compatible (Sold Separately) *see hub and wheel accessories for available adapters
Color	■ ■ ■ ■ ■





DYNAMAL
RACING

spoon

SPOON-32 WHEELSET

Weight (F/R)	· 26" from 2350g
Rims	· SPOON32 6-Series Alloy Rims · 32mm Outer Width / 26.7mm Inner Width / 32H
Rear	· 9/10-Speed 12mm x 135mm OR 12mm x 150mm O.L.D. · Japanese bearing upgrade · Steel Freehub Body · Steel Internal Hub Axle
Front	· 20mm x 110mm O.L.D. · 15mm x 100mm Adapter Kit incl. · 6 Bolt Disc Mount
Features	· Hand Built and Trued - 3 Cross Lacing · Sandvik T302 2.0 PG Spokes · Brass Nipples · XD Driver Compatible *see hub and wheel accessories for available adapters
Color	



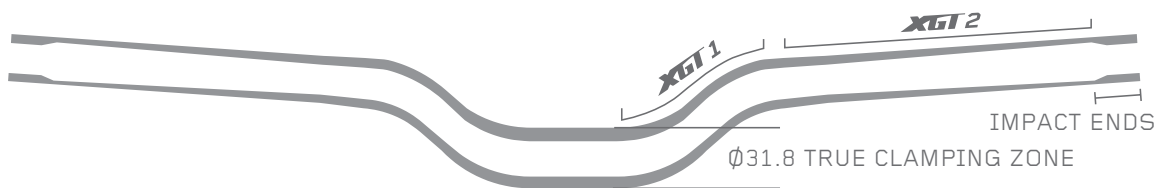


SPANK went the extra mile in our handlebar production facility by investing in automated Three Dimensional CNC Bending machines, which offer better symmetry and consistency, and more importantly limit material structural damage during the bending process. During traditional bending processes, bars are mounted in multiple fixtures and bent using mandrels around several sets of radius tooling. Each time the bar is fixtured, symmetry tolerances open. Damage caused to competitors bars during this traditional harsh mandrel bending processes is difficult to measure or detect, leaving the rider at risk. Furthermore, the imprecise and rough process tends to leave wrinkles, bumps and marks on the surface of the bars which must be removed by heavy grinding. Of course this can lead to thickness inconsistencies often in the most critical areas. The precision of 3D CNC Bending in a single fixture allows SPANK to optimize further our designs where others must overbuild with buffer material, and to eliminate the heavy grinding process, making our bars lighter, stronger, and safer! SPANK has also taken extra work hardening steps to ensure the stem clamping area of the bar is uniformly cylindrical and true, and as tough as possible. This barstem interface is critical to improved fatigue life, and ability to withstand extreme loads."



Dual Extreme Gradual Taper technology is a proprietary tube drawing process, afforded by SPANK's secret state of the art tooling. Dual XGT technology tapers our bars from the thickest area at the bar clamping zone, slowly and GRADUALLY through the bend zones, to the thinnest areas at the control zones..AND..back to thicker reinforced barend zones, or "Impact Ends". Tapers that occur over too short a distance, or with defined start/end points, create isolated stress zones where breaks can

occur. SPANK has utilized FEA (Finite Element Analysis), laboratory, and rigorous real world testing to optimize the spread of material to where it is needed to withstand the specific forces at work in each zone, while offering better protection against crashes than ever before! The extreme precision enabled by Dual XGT drawing processes also eliminates the need for heavy hand grinding, with can result in imperfections and inconsistency in wall thickness, weakening bars.



Extreme Gradual Taper bars were designed to taper GRADUALLY and CONTINUOUSLY from reinforced wall thicknesses at the stem clamping zone, all the way to the barends. This lack of stress risers, which are normally present in tapered handlebars, allows energy to dissipate unimpeded through a gradual tapering within the inner core, leading to improved strength and fatigue life, and better dampening of hard hits

and chatter. To the rider, this means enhanced confidence and control, and less hand, wrist, and forearm pain! Similarly to SPANK's Dual XGT technology, and especially when paired with 3D CNC Bending, XGT tapers offer extreme precision in the drawing process, allowing us to optimize weights by eliminating buffer material, and reduce the need for heavy grinding processes that create thickness inconsistencies.



Micro Grain Refinement- Processes such as extrusion, forging and tube drawing can increase the strength of alloy materials by reducing the grain size. SPANK uses state of the art proprietary metal forming methods which further improve grain size consistency and orientation, and significantly reduce grain size beyond that of our competitors. No other bars are subjected to the number of drawing steps or level of refinement as those offered by SPANK. This leads to greater ultimate strength, toughness, and ductility...meaning confidence, comfort and safety.



Super-6 Aluminum is a specially blended, highly magnesium-silicon enriched, work hardened alloy. Super-6 offers the perfect mix of hardness, yield, fatigue life, and a superior ultimate tensile strength to standard 6 series alloys. It is ideal for the creation of thin walled, super

stiff handlebars. Through recent adoption of Super-6 materials, SPANK's SPIKE, SUBROSA, and OOZY handlebars are now stronger, and show greater resistance to deformation than ever before!



MICK TRACEY HANNAH

The theory behind SPANK's VIBROCORE Impulse and Fatigue Dampening System is simple. Like all forms of energy, the vibrational energy that is transmitted through your bars to your hands, is made up of waves, which can be measured in amplitude and frequency. The more dense a material, the higher its ability to transmit energy waves. Alloys have a very high density, and in turn transmit vibrational energy very effectively. VIBROCORE is a complex, low density material which fills the core of the handlebar, reducing the frequency, amplitude, and duration of energy waves. Not only does the low density of the VIBROCORE impede the transfer of energy, but as energy waves cross material boundaries from high density to low density, they are refracted and reflected (basically

bounced in different directions), reducing their ability to build on one another or sustain vibrational frequencies. Where competitors have been forced to design unwanted flexibility into their bars, SPANK's VIBROCORE system also acts to reinforce the handlebar from the inside, resulting in a more responsive performance and improved sensitivity. The result is a handlebar that feels incredibly strong and rigid, AND acts to reduce impulse and vibrational fatigue. Testing with World Cup Dh racers like Mick and Tracey Hannah, has shown that by reducing the „white noise“ vibration from riding, VIBROCORE handlebars enhance tactile sensitivity between rider, bike, and terrain, while reducing fatigue. When races are won or lost by milliseconds, this can make all the difference!

* Test riders Mick & Tracey Hannah show by reducing "white-noise" vibration, vibrocore enhances tactile sensitivity between rider and terrain.

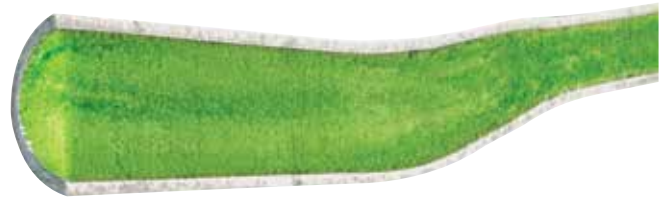
* Energy waves crossing material boundaries refract in different directions, impeding sustained frequencies.

VIBROCORE reduces impulse and vibrational fatigue, hand/arm numbness and "arm-pump", without compromise to performance, weight or price.



* Complex low density core reduces the frequency, amplitude, and duration of energy waves.

* Reinforces the bar's structure internally - responsive performance and heightened sensitivity.



SPIKE

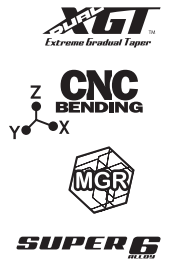


SPIKE 800RACE BAR VIBROCORE TEAM EDITION

- Mick and Tracey Hannah Signature Series
VIBROCORE Impulse and Vibration Dampening Core
- | | |
|----------|--|
| Material | · MGR Super Six Alloy |
| Ø | · 31.8mm |
| Rise | · 15 / 30 mm |
| Length | · 800mm |
| Geometry | · 4°Up / 8°Back |
| Features | · CNC Bent - Dual XGT Tapers
· Impact Ends (740-800mm Adjustable)
· Shotpeen-Anodized Finish |
| Weight | · From 325g |
| Color | ·  |



SPIKE



SPIKE 800RACE BAR

- Material · MGR Super-6 Alloy
- Ø · 31.8mm
- Rise · 5 / 15 / 30 / 50mm
- Length · 800mm
- Geometry · 4°Up / 8°Back
- Features · CNC Bent - Dual XGT Tapers
- Impact Ends
- 740-800mm Adjustable
- Polished-Anodized Finish
- Weight · From 290g to 330g
- Color

SPIKE



Dredffclaw



SPIKE 777FR
„BEARCLAW SIGNATURE“ BAR

- Material · MGR 2-Series Alloy
- Ø · 31.8mm
- Rise · 15 / 30mm
- Length · 777mm
- Geometry · 4°Up / 8°Back
- Features · CNC Bent - Dual XGT Tapers
- Impact Ends
- 747-777mm Adjustable
- Shotpeen Clamping Zones with Polished Accents - Anodized
- Weight · From 310g to 320g
- Color

OOZY



OOZY 760 VIBROCORE BAR

VIBROCORE Impulse & Vibration Dampening Core
 Material · Zirconium Doped 7-Series Alloy
 Ø · 31.8mm
 Rise · 5 / 15 mm
 Length · 760mm
 Geometry · 4°Up / 6°Back
 Features · CNC Bent - Dual XGT Taper
 · Impact Ends
 · 730-760mm Adjustable
 · Polished-Anodized Finish
 Weight · From 235g
 Color

OOZY



OOZY 760 TRAIL BAR

Material · Super-6 Alloy
 Ø · 31.8mm
 Rise · 5 / 15 / 30 mm
 Length · 760mm
 Geometry · 4°Up / 6°Back
 Features · CNC Bent - Dual XGT Taper
 · Polished-Anodized Finish
 Weight · From 280g
 Color

subrosa



SUBROSA 747 EVO BAR

- Material · MGR Super-6 Alloy
- Ø · 31.8mm
- Rise · 5 / 15 / 30mm
- Length · 747 mm
- Geometry · 4°Up / 8°Back
- Features · CNC Bent – Dual XGT Taper
- Impact Ends
- 717-747mm Adjustable
- Weight · From 280g
- Color

spoon



SPOON 785 BAR

- Material · MGR Six Series Alloy
- Ø · 31.8mm
- Rise · 20 / 40mm
- Length · 785 mm
- Geometry · 5°Up / 8.5°Back
- Features · XGT Taper Technology
- Shotpeen-Anodized Finish
- Weight · 335g - 350g
- Color

TWEET

XGT
Extreme Gradual Taper



TWEET-720 BAR

- Material · Six Series Alloy
- Ø · 25.4mm
- Rise · 30 / 50 / 70mm
- Length · 720mm
- Geometry · 5°Up / 8°Back
- Features · XGT Taper Technology
· Brushed Deep Anodize Finish
- Weight · 455g to 500g
- Color

Royal

XGT
Extreme Gradual Taper



ROYALA 785 BAR

- Material · MGR Six-Series Alloy
- Ø · 31.8mm
- Rise · 20 / 40mm
- Length · 785mm
- Geometry · 5°Up / 8.5°Back
- Features · XGT Taper Technology
· Polished-Anodized Finish
- Weight · 320g - 340g
- Color

MATERIALS

T6 heat-treated 6-Series Alloys, are MGR processed to improve strength to weight ratios.

BAR CLAMPS

All SPANK Stems feature extra wide chamfered barclamps, which better support handlebars under massive forces, and extend the fatigue life of both carbon and alloy handlebars.

SPACERS

SPIKE Race and OOZY stems have exceptionally short stack heights so include a convenient and ultra-light custom spacer ring to allow assembly without the need for precise steerer tube cutting.

LOGOS

Deep Cut CNC logos grace faceplates, and permanent laser etch logos and torque indicators mark the bodies of our stems.

CONSTRUCTION

SPANK stems are 2D or 3D forged, CNC weight optimized, and T6 heat treated to offer ultimate strength and improved fatigue life at lower weights.

POSITIONING

True Zero Rise, dropped barclamps improve the rider's positioning and weight distribution, enhancing handling and traction, which is especially beneficial for 650b or 29" riders. SPIKE Direct Mount stems offer adjustable height positioning allowing riders to dial in the cockpit height for rougher, steeper terrain.

TOPCAPS

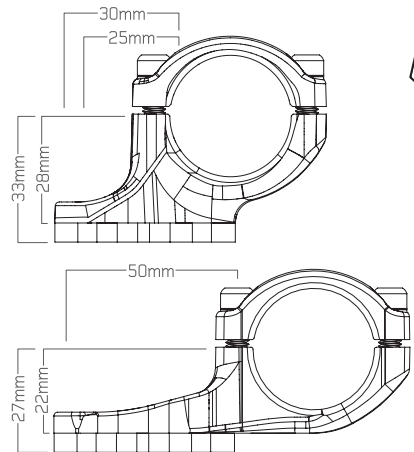
OOZY, SPIKE, Direct Mount, and SPOON stems all include a custom "Snap-Fit" Sealed top-cap for ease of assembly.



SPIKE



top cap / spacer kit included



SPIKE 50 DIRECTOR STEM TEAM EDITION

Material	·2D Forged CNC Optimized
Length	·50mm
Rise	·22-27mm Adjustable
Ø	·31.8mm
Features	·62mm Wide Chamfered Bar Clamp ·5mm Ultralite Spacer Kit Included ·"Snap Fit" Sealed Topcap Included ·Polished Two Tone Finish
Weight	·130 g
Color	■

SPIKE 25/30 DIRECTOR STEM TEAM EDITION

Material	·2D Forged CNC Optimized
Length	·25-30mm Adjustable
Rise	·28-33mm Adjustable
Ø	·31.8mm
Features	·62mm Wide Chamfered Bar Clamp ·5mm Ultralite Spacer Kit Included ·"Snap Fit" Sealed Topcap Included ·Polished Two Tone Finish
Weight	·125 g
Color	■

SPIKE



top cap / spacer kit included

SPIKE 25/30 DM STEM

- Material : 2D Forged CNC Optimized
- Length : 25-30mm Adjustable
- Rise : 28-33mm Adjustable
- Ø : 31.8mm
- Features :
 - 62mm Wide Chamfered Bar Clamp
 - 5mm Ultralite Spacer Kit Included
 - "Snap Fit" Sealed Topcap Included
 - Polished-Anodized Finish
- Weight : 125 g
- Color :

SPIKE



top cap / spacer kit included

SPIKE 50 DM STEM

- Material : 2D Forged CNC Optimized
- Length : 50mm
- Rise : 22-27mm Adjustable
- Ø : 31.8mm
- Features :
 - 62mm Wide Chamfered Bar Clamp
 - 5mm Ultralite Spacer Kit Included
 - "Snap Fit" Sealed Topcap Included
 - Polished-Anodized Finish
- Weight : 130 g
- Color :

SPIKE



SPIKE RACE STEM

Material	·6-Series Alloy / 2D Forged ·CNC Optimized Construction
Length	·35mm / 50mm
Rise	·True 0°
Ø	·31.8mm
Features	·55mm Wide Chamfered Bar Clamp ·35mm Stack Height ·„Snap Fit“ Sealed Topcap Included ·Polished-Anodized Finish
Weight	·145g / ±160g
Color	

SPIKE



**SPIKE STEM
„BEARCLAW SIGNATURE“**

Material	·6-Series Alloy / 2D Forged ·CNC Optimized Construction
Length	·35mm / 50mm
Rise	·True 0°
Ø	·31.8mm
Features	·55mm Wide Chamfered Bar Clamp ·35mm Stack Height ·„Snap Fit“ Sealed Topcap Included ·Polished-Anodized Finish
Weight	·145g / ±160g
Color	

OOZY



OOZY TRAIL STEM

Material	:3D Forged - CNC Weight Optimized
Length	:50mm / 65mm / 75mm
Rise	: True 0°
Ø	:31.8mm
Features	:35mm Stack Height :"Snap-Fit" Sealed Topcap Incl. :Polished-Anodized Two Tone Finish
Weight	:±150g / ±165g / ±175g
Color	

SPIKE



SPIKE DIRECTOR STEM

Material	:2D Forged - CNC Weight Optimized
Length	:50mm
Rise	:12mm
Ø	:31.8mm
Features	: "Snap Fit" Sealed Topcap Included : Polished-Anodized / Painted Finish
Weight	:150 g
Color	

SPOON



SPOON 2.0 STEM

Material · 2D Forged - CNC Weight Optimized
 Length · 40mm
 Rise · TRUE 0°
 Ø · 31.8mm
 Features · 35mm Stack Height
 · "Snap Fit" Sealed Topcap Included
 · Shotpeen-Anodized Finish

Weight · 170 g
 Color

TWEET



TWEET STEM

Material · 2D Forged - CNC Weight Optimized
 Length · 50mm
 Rise · 10°
 Ø · 25.4mm
 Features · 40mm Stack Height
 · Brushed-Anodized Finish

Weight · 170 g
 Color



SPIKE



DYNAMAL
ALLOY



SPIKE FLAT PEDALS

- Features
- 12mm Thin - Massive Platform
 - Cold Forged Alloy Pedal Body
 - Hollow Taper Scandium Enriched Steel Axle
 - Chamfered Leading Edges for Improved Clearance and Reduced Impact Forces
 - Chamfered Side Edges for Improved Cornering Clearance
 - Sealed Full Compliment Industrial Bearing now with FINISH LINE Teflon™ Lubricant
 - Sealed Outboard IGUS Bushing
 - 20 Adjustable Pins per Pedal
 - Full Sized Hex Head Stainless Pins
 - Improve Durability and Maintenance
 - Improved Inboard Friction Seal Prevents Contamination and Reduces Unwanted Pedal Spin

Weight ±420g per pair
Color



OOZY



DYNAMAL
ALLOY

OOZY TRAIL PEDALS

- Features
- 12mm Thin - Massive Platform
 - Cold Forged Alloy Pedal Body
 - Hollow Taper Scandium Enriched Steel Axle
 - Chamfered Leading Edges for Improved Clearance and Reduced Impact Forces
 - Chamfered Side Edges for Improved Cornering Clearance
 - Sealed Full Compliment Industrial Bearing now with FINISH LINE Teflon™ Lubricant
 - Sealed Outboard IGUS Bushing
 - 18 Adjustable Pins per Pedal
 - Full Sized Hex Head Stainless Pins Improve Durability and Maintenance
 - Improved Inboard Friction Seal Prevents Contamination and Reduces Unwanted Pedal Spin

Weight ±360g per pair
Color





TITANIUM PEDAL AXLE UPGRADE KIT

- Compatible with SPIKE and OOZY Pedals
- 30g per axle (Reduces Pedal Weight by 50g per set)
- Includes all parts for complete pedal rebuild
- Titanium Axles
- IGUS Bushings
- O-ring Busing Seals
- Dustcap Seal Covers
- 0.2mm Stainless Washers
- Locknut Fasteners
- Friction Bearing Seals



PEDAL PIN REPLACEMENT KIT

- M4x9mm Stainless Hex Head Traction Pins x32pcs
- M4x18mm Grub Screws x 4pcs



REPLACEMENT BEARING KIT

- Full Compliment Sealed Bearing x2pcs
- Friction seal x 2 pcs

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REPLACEMENT BUSHING KIT

- IGUS bushing x2pcs
- O-ring x2pcs
- Stainless steel washer x2pcs
- Locknut Fastener x 2



REPLACEMENT O-RING PACK

- High Grade Outboard O-Ring Seal x 25 sets



PEDAL-AXLE REBUILD KIT


- Pedal-Axle Rebuild Kit
- Axle
- IGUS bushing x2pcs
- O-ring x2pcs
- Dustcap x2pcs
- Stainless washers x2pcs
- Friction Seals x 2
- Locknut x2

TWEET 



TWEET FRAME

Material	· Double Butted ~ 4130 CroMoly
Weight	· 2.48 kg
Size	· One size M/L
Features	· 2D Forged/Knurled Compact Horizontal Dropout · 73mm Threaded BB Shell · CNC Gussets and Yoke · Disc Brake Mount · ECO Coat Finish

Color 

spoon



SPOON ONE2ONE FRAME

Material	· Double Butted ~ 4130 CroMoly
Weight	· 2.5 kg
Size	· One size M/L
Features	· 2D Forged/Knurled Compact Horizontal Dropout · 73mm Threaded BB Shell · Disc Brake Mount · Matte Powder Coat Finish

Color 

subrosa



SUBROSA LOCK-ON ALLOY CAP GRIP

- Length · 130mm
 Features · Micro Diamond Pattern Tacky Rubber Grip
 · Polished-Anodized Alloy Clamp
 · Rings & End Caps
 · 3mm HEX Lock-on Clamp
 Weight · 110g/pair
 Color

spoon



SPOON LOCK-ON GRIP

- Length · 130mm
 Features · Micro Diamond Pattern Tacky Rubber Grip
 · Two Anodized Alloy Lock Ring Clamps
 · 3mm Hex Lock-Down Bolts
 · Laser Logo
 · Plastic End Cap Incl.
 Weight · Ultralite 100g/pair
 Color

spoon



SPOON LOCK-ON SHOP BOX

- (25prs) Grip
 Contains · 10x black/black
 · 5x black/red
 · 5x black/green
 · 5x white/blue
 *POS Box Refill Grips Available
 Through Distributors
 Color

TWATA



TUGGJOB GRIP

- Features · Extra Long 145mm Grip Zone with 50mm flange
 · Ultra Thin for Improved Tactile Responsiveness
 · Moto-style Tie Down Grooves
 · Scented Custom Kryton Rubber Compound
 · Balanced Density for Reasonable
 Longevity and Moderate Tacky Comfort
 · Expander End Caps with Stainless Hardware
 Color



TWEET 1/2 LINK CHAIN

- Features
- „Purpose Built“ - Dirt/Vert/Park & Fixed Gear
 - Single Speed, Offset & Half Link
 - Pull Force Tested Up To 1,300kgf
 - Heat Treated Reinforced Alloyed Steel
 - 102 Links, 1/2" x 1/8"
- Weight
- 395g
- Color
-



TWEET COLLARS

- Material
- 6061 Alloy
- Ø
- 29.8mm (27.2mm seatpost standard)
- Features
- Brushed Deep Anodize Finish
- Weight
- 25g
- Color
-



TWEET SPROCKETS

- Material
- 7075 Alloy T6
- Size
- 25T / 28T / 30T / 32T
- Features
- Brushed Deep Anodize Finish
- Weight
- From 55g
- Color
-



TWEET SPACERS

- Material
- 6061 Alloy
- Thickness
- 3mm / 6mm / 12mm per pack
- Size
- For 1-1/8" (Ø28.6) Steering Tube
- Features
- Brushed Deep Anodize Finish
- Color
-



SUBROSA SADDLE

Length	·275mm
Features	·8mm CroMoly Rails ·Rail width 42mm, 30mm adjustable range ·Durable Kevlar® Weave Crash Zones
Weight	·350g
Color	■ ■ ■



TWEETA SADDLE

Length	·245mm
Features	·8mm Oversize CroMoly rails ·Rail width 42mm, 30mm adjustable range ·Hard wearing Kevlar® Weave cover
Weight	·350g
Color	■ ■ ■ ■



spoon

SPOON-20 FRONT HUB

O.L.D. 20mm x 110mm
 32H / 6-Bolt Disc Mount
 Forged-CNC Optimized Alloy Hub Body
 Alloy Cups
 Adapter Kits · 9mm QR / 15mm Thru
 (sold separately)
 Weight · 230g
 Color ■



spoon

SPOON-135 REAR HUB

O.L.D. 12mm x 135 mm (9mm QR adapter kit incl.)
 32H / 6 Bolt Disc Mount
 Forged-CNC Optimized Alloy Hub Body
 Super-Lite Machined Steel Freehub Body
 Alloy Internal Hub Axle Shaft
 4 x Japanese Bearing Upgrade
 Freehub: 9/10-Speed / 4 Pawl / 27T engagement
 Adapter Kits · 12mm x 142mm (sold separately)
 · 10mm x 135mm (sold separately)
 Weight · 350g
 Color ■



spoon

SPOON-150 REAR HUB

O.L.D. 12 x 150 mm
 32H / 6 Bolt Disc Mount
 Forged-CNC Optimized Alloy Hub Body
 Super-Lite Machined Steel Freehub Body
 Alloy Internal Hub Axle Shaft
 4 x Japanese Bearing Upgrade
 Freehub: 9/10-Speed / 4 Pawl / 27T engagement
 Adapter Kits · 12 x 157mm (sold separately)
 Weight · 370g
 Color ■



ADAPTER FOR SPOON / SPIKE REAR HUBS **spoon** **SPIKE**

10X135MM ADAPTER

10mm x 135mm ADAPTER KIT
 Converts SPOON-135 Rear Hubs to
 10mm (thru axle)
 135mm O.L.D.
 Alloy Cups
 Hard Anodized Alloy
 Weight · 37g



12X142MM ADAPTER

12mm x 142mm ADAPTER KIT
 Converts SPOON-135 Rear Hubs to
 142mm standard O.L.D.
 Suitable for X-12 systems
 Alloy Cups
 Hard Anodized Alloy
 Weight · 37g



12X157MM ADAPTER

12mm x 157mm ADAPTER KIT
 Converts SPOON-150 Rear Hubs to
 157mm standard O.L.D.
 Alloy Cups
 Hard Anodized Alloy
 Weight · 37g



„TUBELESS READY“ VALVES

36mm Shaft / 51mm total length
 Removable valve core for sealant injection
 Presta valve (F/V) standard, Molded rubber sealing base
 2 pcs per set, 6.5g/valv



FRATELLI „TUBELESS READY“ TAPE

Ultralite, pliable, Tubeless Conversion Tape
 Advanced Polyimide with high temperature range adhesive
 Sufficient for one wheelset 26"/27.5"/29"
 +/- 9g (26") / 10g (29") per rim, Width 25mm



XD FREEHUB ADAPTER

FOR SPOON/SPIKE REAR HUBS

XD 11 Speed Adapter Freehub Body
Compatible with 10x135, 12x135, 12x142, 12x150 and 12x157mm hubs and axles
Converts SPOON / SPIKE Rear Hubs to 11 Speed Standard for XD System
Alloy Freehub Body with Bearings



REPLACEMENT SLS FREEHUB

FOR SPOON/SPIKE REAR HUBS

9/10 Speed Freehub Body Replacement for SPOON 135 or 150 rear hubs
CNC Weight Optimized
Compatible with SPOON32 or SPIKE Race28 EVO (DH) Wheelsets
Suitable for 10x135, 12x135, 12x142, 12x150 and 12x157mm configurations
SLS Scandium Alloyed Steel Freehub Body with Bearing and Spacer



REPLACEMENT ALLOY FREEHUB

FOR OOZY REAR HUBS

9/10 Speed Freehub Body Replacement for OOZY Rear Hubs
CNC Weight Optimized
Compatible with OOZY 26AL EVO, OOZY Trail295 Bead Bite and SPIKE Race28 Enduro Wheelsets
Suitable for 10x135, 12x135, 12x142 configurations
Alloy Freehub Body with Bearing and Spacer



XD FREEHUB ADAPTER

FOR OOZY REAR HUBS

XD 11 Speed Adapter Freehub Body
Compatible with 12x142mm OOZY Hubs
Converts OOZY Rear Hubs to 11 Speed Standard for XD System
Alloy Freehub Body with Bearings, End Cup, 4mm Spacer



QR ADAPTER

FOR SPOON/SPIKE FRONT HUBS

9mm QR ADAPTER KIT
Converts SPOON-20 Front Hub to 9mm QR Standard
Alloy Cups / O-ring Sealed
Weight :26g



15MM ADAPTER

FOR SPOON/SPIKE FRONT HUBS

15mm ADAPTER KIT
Converts SPOON-20 Front Hub to 15mm Thru/ QR Standard
Alloy Cups / O-ring Sealed
Weight :22g



20MM ADAPTER

FOR OOZY FRONT HUBS

20mm ADAPTER KIT
Converts OOZY Front Hubs/Wheels to 20mm Standard
Alloy End Cups / Weight 20g



12X135MM ADAPTER

FOR OOZY REAR HUBS

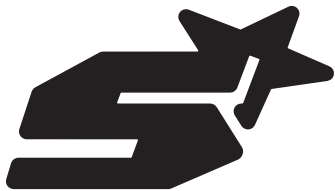
12x135mm ADAPTER KIT
Converts OOZY 12x142mm Rear Hubs to 12x135mm
Alloy End Cups w/ O-Ring Seals / Weight 25g



10X135MM ADAPTER

FOR OOZY REAR HUBS

10x135mm ADAPTER KIT
Converts OOZY 12x142mm Rear Hubs to 10x135mm
Alloy End Cups w/ O-Ring Seals / Weight 25g



INTERNATIONAL SALES & SERVICE

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Web: www.SPANK-ind.com
Mail: info@SPANK-ind.com

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Phone: (360) 952-2363
Web: www.thegravitycartel.com
Mail: victor@thegravitycartel.com

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