

2014 OFF-ROAD WHEELSYSTEMS

PTRX-0

27.5 GIANT

ETRTO: 584x21
Made in Taiwan

 **GIANT®**



ENGINEERING A BETTER WHEEL

SUPER LIGHT, STIFF AND FAST.

GIANT WHEELSYSTEMS ARE ENGINEERED TO OPTIMIZE THE CRITICAL BALANCE OF WEIGHT AND STIFFNESS PRODUCING MAXIMUM POWER TRANSFER—BOOSTING RIDER CONFIDENCE WITH PINPOINT CONTROL IN A WIDE RANGE OF CONDITIONS AND TERRAIN.

Every Giant WheelSystem is designed to optimize the critical factors of weight, stiffness and strength. Whether the wheel is built for on-road or off-road use, it's all about helping riders climb, corner, sprint and descend with confidence and speed.

The design philosophy behind Giant WheelSystems is called System Engineered Performance. Engineers studied the ways that the components—rims, hubs, spokes and other small parts—affect each other. They then developed parts that work together, as part of a system, to deliver best-in-class performance.

SYSTEM ENGINEERED PERFORMANCE

HOLISTIC SYSTEM

Each individual wheel component complements the others to form an integrated system.

PRECISION ENGINEERED

Each WheelSystem is precisely designed, engineered and handbuilt to produce best-in-class performance for weight, stiffness, strength and control in its designated category.

OPTIMIZED PERFORMANCE

Every Giant Off-Road WheelSystem is purpose-built to address key performance factors: weight, stiffness, and control—all to produce a better ride quality.

TARGET USER

Lightweight and stiff—Giant Off-Road WheelSystems are perfect for the performance-minded rider seeking to step up to the next level. Engineered to offer a fine balance of maximum stiffness and strength at the lowest possible weight.

- Top-level performance for XC racing and extreme trail riding
- Ideal for rides ranging from World Cup competition to weekend trail adventures
- Handcrafted from the highest-level components and materials
- Built for riders seeking the ultimate experience in speed, confidence and control

KEY FEATURES

- Precision handbuilt to the highest quality specifications using high-quality materials and components for a stiffer, stronger wheel.
- Tubeless Compatibility—All Giant WheelSystem rims are designed for compatibility with all tubeless ready tires.
- Optimized Anchor Point—Optimal placement of the connection between the spoke and the hub to create a stiffer, stronger wheel.
- Rectangular Leverage Angle—Strategic placement of the spokes at a near 90-degree angle between the hub and rim to optimize rotational stiffness, maximizing pedaling power and minimizing energy-draining wheel windup. The overall stiff feel of the WheelSystem also results in more direct braking response for better traction and control.
- Compatible with the new SRAM XX1 1x11 drivetrain system using an optional DT Swiss XD freehub driver body.

PRODUCT LINE

P-XCR Composite 27.5 0

- Ultra-light full composite 24mm wide rims
- ETRTO 584x19
- Tubeless Compatible
- DT Aerolite bladed stainless steel spokes, 28 F/R (3-cross)
- 36T star ratchet driver
- Precision-sealed bearings
- Interchangeable hub platforms
- Weight (pair): 1400 grams

P-XCR 27.5 1

- Lightweight alloy 24mm wide rims
- ETRTO 584x19
- Tubeless Compatible
- DT Competition bladed stainless steel spokes, 28 F/R (3-cross)
- 18T star ratchet driver
- Precision-sealed bearings
- Interchangeable hub platforms
- Weight (pair): 1655 grams

P-TRX Composite 27.5 0

- Ultra-light full composite 27mm wide rims
- ETRTO 584x21
- Tubeless Compatible
- DT Aerolite bladed stainless steel spokes, 28 F/R (3-cross)
- 36T star ratchet driver
- Precision-sealed bearings
- Interchangeable hub platforms
- Weight (pair): 1440 grams

P-TRX 27.5 1

- Lightweight proprietary G69 alloy 27mm wide rims
- ETRTO 584x21
- Tubeless Compatible
- DT Competition stainless steel spokes, 28 F/R (3-cross)
- 18T star ratchet driver
- Precision-sealed bearings
- Interchangeable hub platforms
- Weight (pair): 1675 grams

TECH HIGHLIGHTS

THE SPEED AND STABILITY OF LARGER-DIAMETER WHEELS MADE LIGHTER AND QUICKER. GIANT'S NEW 27.5 OFF-ROAD WHEELSYSTEMS GIVE YOU THE BEST OF BOTH WORLDS.

Extensive research and testing led the Giant product and engineering team to focus its efforts on creating an entire new line of 27.5 WheelSystems for off-road performance. When it comes to weight, 27.5 lands closer to the lighter, more agile feel of 26-inch wheels than 29. And for efficiency and control, they outperform the larger 29-inch wheels.



1 RECTANGULAR LEVERAGE ANGLE

FEATURES: The design and engineering teams studied how wheels reacted under various loads: pedaling, braking and cornering. This resulted in strategic placement of the spokes at a near 90-degree angle between the hub and rim.

BENEFIT: Optimizes rotational stiffness for maximum pedaling power and minimal wheel windup. The overall stiff feel of the WheelSystem also results in more direct braking response for increased traction and control.

2 OPTIMIZED ANCHOR POINT

FEATURES: Today's drivetrains feature 10 or more gears on the rear cassette, reducing the critical space needed to maintain stiffness and strength in the rear wheel. Rethinking the spoke and hub flange on the driveside, the design team cleverly increased the driveside bracing angle nearly 2mm without affecting required gear spacing.

BENEFIT: Boosts lateral stiffness for a stronger, stiffer wheel that tracks more accurately. The result is better cornering and control, especially on rough terrain.

3 PRECISION HUB INTERNALS

FEATURES: To ensure all Giant WheelSystems meet performance and reliability expectations, the design team created proprietary hub shells featuring race-proven Swiss-engineered hub internals.

BENEFIT: Dependable performance in demanding conditions. Plus all hub parts are readily available and serviceable by your local retailer.

4 ADVANCED RIM MATERIALS

FEATURES: Handbuilt rims made with composite, scandium or high-strength proprietary aluminum alloys.

BENEFIT: Improved rim strength and stiffness with lower rotational mass. Reliable, lightweight performance to help you ride faster.

5 TUBELESS DESIGN

FEATURES: All Giant 27.5 WheelSystems are designed for compatibility with tubeless ready tire beads. Rim designs are Tubeless Compatible using the supplied super-lightweight 15 gram rim tape and valve kit.

BENEFIT: Ability to run lower air pressure allows the tire to conform better to the terrain for improved traction, lower rolling resistance and a reduced risk of pinch flats.



P-XCR COMPOSITE 27.5 0 WHEELSYSTEM

SUPERLIGHT, STIFF AND FAST. AT JUST 1400 GRAMS, THIS IS A HIGH-PERFORMANCE WHEELSYSTEM DESIGNED FOR XC RACING AND FAST TRAIL RIDING.



INTENDED USE

Lightweight and stiff, the P-XCR Composite 27.5 0 is perfect for the performance-minded rider seeking to step up to the next level. Engineered to offer maximum stiffness at the lowest possible weight.

- Top-level performance for World Cup XC racing
- Ideal for rides ranging from XC competition to weekend trail adventures
- Built for riders seeking speed, confidence and control

TECH HIGHLIGHTS

PRECISION HANDBUILT—Every Giant WheelSystem is handbuilt to the highest quality specifications using highly durable, precision Swiss hub internals, stainless steel spokes and proprietary rim designs for a stiffer, stronger wheel.

SWISS HUB INTERNALS—To get you rolling fast and keep you on the trail, all Giant WheelSystems feature top-quality Swiss hub internals that are built to the highest tolerances. The P-XCR Composite 27.5 0 also includes a 36T Star Ratchet drive for quicker engagement.

TUBELESS COMPATIBLE—Rims are designed for compatibility with all tubeless ready tires by using the supplied tubeless rim tape and valve kit. Use of a third-party sealant is required.

OPTIMIZED ANCHOR POINT—Driveside bracing angle increased nearly 2mm without affecting required gear spacing. Boosts lateral stiffness for a stronger, stiffer wheel that tracks more accurately, resulting in better cornering and control.

RECTANGULAR LEVERAGE ANGLE—Strategic placement of the spokes at a near 90-degree angle between the hub and rim. Optimizes rotational stiffness for maximum pedaling power and minimal wheel windup. The overall stiff feel of the WheelSystem also results in more direct braking response for increased traction and control.

SPECIFICATIONS

AESTHETICS/COLOR	UD composite rim; Black hub Black/White/Gray graphics
WHEEL SIZE	27.5-inch
RIM MATERIAL	Ultra-light full composite
SPOKES	DT Aerolite bladed / Black
FRONT SPOKE PATTERN	28H, 3-cross
REAR SPOKE PATTERN	28H, 3-cross
FRONT AXLE SIZE	100x15 (100x5 QR optional adapter)
REAR AXLE SIZE	135x5 QR (142x12 optional adapter)
EXTERNAL RIM WIDTH	25mm
INTERNAL RIM WIDTH	19mm
ETRTO	584x19
FRONT HUB TYPE	Alloy, 6-Bolt Disc Type Only
REAR HUB TYPE	Alloy, 6-Bolt Disc Type Only 36T Star Ratchet driver
TUBELESS	Tubeless Compatible using the supplied rim tape and valve kit
RIM TYPE	Clincher
NIPPLE TYPE / COLOR	ProLock Alloy / Black Anodized
BEARING TYPE	Precision-Sealed Cartridge
WARRANTY	2-year
WEIGHT (Pair)	1400 grams



P-XCR 27.5 1 WHEELSYSTEM

ALL THE FUN OF 26-INCH WHEELS WITH THE EFFICIENCY OF 29. THIS IS A NO-HOLDS-BARRED WHEELSYSTEM DESIGNED FOR CONFIDENCE AND PINPOINT CONTROL.



INTENDED USE

Lightweight and stiff, the P-XCR 27.5 1 is perfect for the performance-minded rider seeking to step up to the next level. Engineered to offer maximum stiffness at the lowest possible weight.

- Top-level performance for World Cup XC racing
- Ideal for rides ranging from XC competition to weekend trail adventures
- Built for riders seeking speed, confidence and control

TECH HIGHLIGHTS

PRECISION HANDBUILT—Every Giant WheelSystem is handbuilt to the highest quality specifications using highly durable, precision Swiss hub internals, stainless steel spokes and proprietary rim designs for a stiffer, stronger wheel.

SWISS HUB INTERNALS—To get you rolling fast and keep you on the trail, all Giant WheelSystems feature top-quality Swiss hub internals that are built to the highest tolerances. The P-XCR 27.5 1 also features the added reliability of a durable Star Ratchet driver for smooth, durable operation.

TUBELESS COMPATIBLE—Rims are designed for compatibility with all tubeless ready tires by using the supplied tubeless rim tape and valve kit. Use of a third-party sealant is required.

OPTIMIZED ANCHOR POINT—Driveside bracing angle increased nearly 2mm without affecting required gear spacing. Boosts lateral stiffness for a stronger, stiffer wheel that tracks more accurately, resulting in better cornering and control.

RECTANGULAR LEVERAGE ANGLE—Strategic placement of the spokes at a near 90-degree angle between the hub and rim. Optimizes rotational stiffness for maximum pedaling power and minimal wheel windup. The overall stiff feel of the WheelSystem also results in more direct braking response for increased traction and control.

SPECIFICATIONS

AESTHETICS/COLOR	Black Anodized rim; Black hub Gray/White graphics
WHEEL SIZE	27.5-inch
RIM MATERIAL	Lightweight 6061 alloy
SPOKES	DT Competition double-butta / Black
FRONT SPOKE PATTERN	28H, 3-cross
REAR SPOKE PATTERN	28H, 3-cross
FRONT AXLE SIZE	100x15 (100x9 QR optional adapter)
REAR AXLE SIZE	135x10 QR (142x12 optional adapter)
EXTERNAL RIM WIDTH	25mm
INTERNAL RIM WIDTH	19mm
ETRTO	584x19
FRONT HUB TYPE	Alloy, 6-Bolt Disc Type Only
REAR HUB TYPE	Alloy, 6-Bolt Disc Type Only 18T Star Ratchet driver
TUBELESS	Tubeless Compatible using the supplied rim tape and valve kit
RIM TYPE	Clincher
NIPPLE TYPE / COLOR	ProLock Alloy / Black Anodized
BEARING TYPE	Precision-Sealed Cartridge
WARRANTY	2-year
WEIGHT (Pair)	1655 grams



P-TRX COMPOSITE 27.5 0 WHEELSYSTEM

THE ALL-NEW P-TRX 27.5 0 OFFERS STIFFNESS, DURABILITY AND CONTROL IN ALL TYPES OF TERRAIN. DESIGNED TO TACKLE CHALLENGING, TECHNICAL TRAILS, AND AT ONLY 1440 GRAMS WILL HELP GET YOU TO THE TOP OF THE MOUNTAIN.



INTENDED USE

The P-TRX Composite 27.5 0 is perfect for the performance-minded trail rider seeking that extra advantage on tough, challenging terrain. Engineered for maximum stiffness at the lowest possible weight.

- Top-level trail riders seeking a strong, lightweight WheelSystem for challenging trails
- Ideal for the adventurous trail riders
- Built for riders seeking a boost in confidence and control

TECH HIGHLIGHTS

PRECISION HANDBUILT—Every Giant WheelSystem is handbuilt to the highest quality specifications using highly durable, precision Swiss hub internals, stainless steel spokes and proprietary rim designs for a stiffer, stronger wheel.

SWISS HUB INTERNALS—To get you rolling fast and keep you on the trail, all Giant WheelSystems feature top-quality Swiss hub internals that are built to the highest tolerances. The P-TRX Composite 27.5 0 also features a 36T Star Ratchet drive for quicker 10 engagement.

TUBELESS COMPATIBLE—Rims are designed for compatibility with all tubeless ready tires by using the supplied tubeless rim tape and valve kit. Use of a third-party sealant is required.

OPTIMIZED ANCHOR POINT—Driveside bracing angle increased nearly 2mm without affecting required gear spacing. Boosts lateral stiffness for a stronger, stiffer wheel that tracks more accurately, resulting in better cornering and control.

RECTANGULAR LEVERAGE ANGLE—Strategic placement of the spokes at a near 90-degree angle between the hub and rim. Optimizes rotational stiffness for maximum pedaling power and minimal wheel windup. The overall stiff feel of the WheelSystem also results in more direct braking response for increased traction and control.

SPECIFICATIONS

AESTHETICS/COLOR	UD composite rim; Black hub Black/White/Gray graphics
WHEEL SIZE	27.5-inch
RIM MATERIAL	Ultra-light full composite
SPOKES	DT Aerolite/AeroComp bladed / Black
FRONT SPOKE PATTERN	28H, 3-cross
REAR SPOKE PATTERN	28H, 3-cross
FRONT AXLE SIZE	100x15 (100x9 QR optional adapter)
REAR AXLE SIZE	135x10 QR (142x12 optional adapter)
EXTERNAL RIM WIDTH	27mm
INTERNAL RIM WIDTH	21mm
ETRTO	584x21
FRONT HUB TYPE	Alloy, 6-Bolt Disc Type Only
REAR HUB TYPE	Alloy, 6-Bolt Disc Type Only 36T Star Ratchet driver
TUBELESS	Tubeless Compatible using the supplied rim tape and valve kit
RIM TYPE	Clincher
NIPPLE TYPE / COLOR	Torx ProLock Alloy / Black Anodized
BEARING TYPE	Precision-Sealed Cartridge
WARRANTY	2-year
WEIGHT (Pair)	1440 grams



P-TRX 27.5 1 WHEELSYSTEM

THE ALL-NEW P-TRX 27.5 1 DELIVERS ABSOLUTE CONFIDENCE AND PINPOINT CONTROL IN A WIDE VARIETY OF OFF-ROAD TERRAIN.



INTENDED USE

Light, stiff and durable, the P-TRX 27.5 1 is perfect for the performance-minded trail rider seeking an advantage on challenging terrain. Engineered for maximum stiffness at the lowest possible weight.

- Trail riders seeking a durable WheelSystem for challenging trails
- Ideal for the adventurous trail riders
- Built for riders seeking a boost in confidence and control

TECH HIGHLIGHTS

PRECISION HANDBUILT—Every Giant WheelSystem is handbuilt to the highest quality specifications using highly durable, precision Swiss hub internals, stainless steel spokes and proprietary rim designs for a stiffer, stronger wheel.

SWISS HUB INTERNALS—To get you rolling fast and keep you on the trail, all Giant WheelSystems feature top-quality Swiss hub internals that are built to the highest tolerances. The P-XCR 27.5 1 also features the added reliability of a durable Star Ratchet driver for smooth, durable operation.

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INTERNAL RIM WIDTH	21mm
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FRONT HUB TYPE	Alloy, 6-Bolt Disc Type Only
REAR HUB TYPE	Alloy, 6-Bolt Disc Type Only 18T Star Ratchet driver
TUBELESS	Tubeless Compatible using the supplied rim tape and valve kit
RIM TYPE	Clincher
NIPPLE TYPE / COLOR	ProLock Alloy / Black Anodized
BEARING TYPE	Precision-Sealed Cartridge
WARRANTY	2-year
WEIGHT (Pair)	1675 grams

