

HUMAN FACTOR

# GAME CHANGER TUNED WHEELSETS

OUR DIFFERENCE MAKE US HUMAN - DIAL YOUR FIT

## SPANK'S NEW TUNED SINGLE FRONT & REAR WHEELS WITH NEW SPANK HEX DRIVE HUB

SPANK has invested highly into wheelset weight optimization, new high engagement, discipline specific hubs, and a broader range including new Gravel, Trail/All Mountain, Enduro Race, DH Race, Freeride and Single Speed DJ wheels!

### // DIAL YOUR FIT

SPANK INDUSTRIES HUMAN FACTOR is focussed on offering you the right fit, rather than simply promoting a particular product. In terms of rim selection, use the HEAVY-MEDIUM-LIGHT RIDER / IMPACT chart from our **RIM FACT FILE** to identify the rim profile that best suits your body type and ride style.



**HEAVY RIDER:** Heavy to Medium Impact



**MEDIUM RIDER:** Heavy to Medium Impact



**LIGHT RIDER:** Medium to Light Impact

102T  
6-PAWL

3.5°  
ENGAGEMENT



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### REAR WHEEL

THE JOB OF THE REAR WHEEL:

- Sustain higher impacts
- Provide torsional and lateral stiffness
- Enhance stability & acceleration

### FRONT WHEEL

THE JOB OF THE FRONT WHEEL:

- Provide stable and responsive steering
- Be compliant to enhance tracking and reduce deflection

Lighter front wheel configuration to pump up the playfulness of your ride, and a burlier model in the back for added durability.

Wider wheel up front for added traction, and narrower in back for higher rolling speed.

Radially Compliant wheel in the front for maximum traction and reduced wheel deflection, and Vibrocore in back for enhanced responsiveness.

## NEW HEX DRIVE 102T HUB WHEELS

All 2020 SPANK Vibrocore and Radially Compliant Wheels, SPIKE and OOZY Wheels, and GRAVEL Wheels, have been upgraded to SPANK's all new HEX DRIVE 102T Hub system, with 3.5° Engagement, and 6 Pawl, 18 contact point drive system. HEX hub wheels feature upgraded seals, "Bite Block" alloy freehubs, oversized bearings and alloy axles, and a unique flange design which minimizes dish in wheels and the resulting spoke tension range.



## VIBROCORE

SPANK pushes wheel evolution one step further with the injection of Vibrocore in to the inner well of our Radially Compliant rims, to increase torsional rigidity and further reduce vibration. In 2020, SPANK presents a new range of Radially Compliant and Vibrocore wheels for all types of riders and disciplines of MTB and Gravel, utilizing our new HEX DRIVE 102T hub system.

## HAND BUILT

Every SPANK wheel is hand laced, tensioned, and trued, and receives several quality control checks, before the builder signs off on each wheels build specification.



## THE RADIAL COMPLIANCE REVOLUTION!

In 2018 SPANK launched the revolutionary SPANK 350 rim profile for Trail to Enduro disciplines and light-medium hitting gravity use. SPANK 350 and 350 Vibrocore rims and wheels have a wide and very low profile, which maximize their ability to flex vertically, while maintaining high lateral and torsional stiffness. In 2020 SPANK expands the Radially Compliant Wheel program, with updates to 28H and 32H 350 wheels, the new SPANK 359, aimed at heavier hitting riders, and the Flare 24 Vibrocore, which services Gravel and XC cyclists. Radially Compliant wheels enhance both comfort and traction, as they absorb chatter and changes in terrain. At the same time compliance helps to reduce dangerous wheel deflection as wheels absorb impacts rather than bounce off them.

## SPOKES, NIPPLES, & NIPPLE WASHERS

SPANK 350 & 359, SPIKE, OOZY, and Gravel wheels all share Stainless Steel Triple Butted, 2.2/1.8/2.0 spokes for their high strength and fatigue life, and resistance to stretching and twisting. SPOON Wheels are laced with tough and reliable Plain Gauge Spokes.

SPANK 350, 359 and Flare 24 wheels utilize alloy Standard External (2mm flat head) Nipples, to ensure clearance with tubeless tape. OOZY Wheels employ alloy DSN (4mm square drive head) Nipples, for light weight and durability, where OOZY Hybrid wheels use Brass DSN for ultimate strength. SPIKE, and SPOON wheels are laced with Standard External Brass Nipples, for exceptional value and ease of service.

SPANK Radially Compliant Wheels, including 350 and 359 models, feature nipple washers between the nipple and rim. Nipple washers help to maintain spoke tension in radially compliant wheels, and add strength at the nipple/rim interface.



## SPIKE HUB WHEELS

2020 SPOON 32, and OOZY HYBRID wheels spin on our tried and true SPIKE J-Hook Hubs. SPIKE Hubs feature ultra-tough 3 Pawl / 30T engagement, steel HG freehub bodies, and Steel Axles. They are fully beefed up to take the high torque and weight loads of modern E-MTB pedalecs, and weekend warriors.