

Model Year 2022, rel. 2021-01-10

General notes

All Trailmech hubs are machined from AL7075-T6 alloy.

Trailmech's rear hubs feature our patented Vortex engagement mechanism. The number of POE (points of engagement) may vary for different models of hubs.

Spoke drilling are $\varnothing 2.5$ mm.

Color – **BLACK** only.

Warranty details available at <http://trailmech.com/warranty>

Road 11sp cassettes by Shimano and SRAM require wider freehub body than those 11sp cassettes for MTB. Several SRAM 11 and 12sp MTB cassette are designed for the traditional splined freehub body, same as Shimano's 8-11sp MTB cassettes. Check manufacturer's specifications for details.

Trailmech Gravel hub ships with a freehub spacer. Spacer allows the use of either 11sp MTB or 11sp Road Shimano HG cassettes, or SRAM XD and XDR-compatible cassettes, respectively.

XCR, Front



| O.L.D | Brake | Spokes | Weight |
|----------------|-------|--------|--------|
| 100 x QR | | | |
| 100 x 12 mm TA | IS | 28, 32 | 135 g. |
| 100 x 15 mm TA | | | |

XCR Boost, Front



| O.L.D | Brake | Spokes | Weight |
|----------------|-------|--------|--------|
| 110 x 15 mm TA | IS | 28, 32 | 140 g. |

XCR, Rear



| O.L.D | Brake | Spokes | Driver | Weight |
|----------------------------|-------|--------|--|--------|
| 135 x QR 142 x 12 mm TA | IS | 28, 32 | Shimano HG, MTB Shimano Micro Spline SRAM XD | 245 g. |

XCR Boost, Rear



| O.L.D | Brake | Spokes | Driver | Weight |
|----------------------------|-------|--------|--|--------|
| 141 x QR 148 x 12 mm TA | IS | 28, 32 | Shimano HG, MTB Shimano Micro Spline SRAM XD | 250 g. |

Gravel, Front



| O.L.D | Brake | Spokes | Driver | Weight |
|----------------|-------|------------|--------|--------|
| 100 x 12 mm TA | IS | 24, 28, 32 | | 115 g. |

Gravel, Rear



| O.L.D | Brake | Spokes | Driver | Weight |
|----------------|-------|------------|------------------------------|--------|
| 142 x 12 mm TA | IS | 24, 28, 32 | Shimano HG, Road SRAM XDR | 248 g. |

Trailmech Gravel hubs are an integral part of Protens SC36 wheels – the Winner of [Design & Innovation Award 2022](#), Components (Road) category.

Enduro, Front



| O.L.D | Brake | Spokes | Weight |
|-----------------------------|-------|--------|--------|
| 100 x 15 mm TA | | | |
| 100 x 15 mm TA, Torque Caps | IS | 32 | 198 g. |
| 110 x 20 mm TA | | | |

Enduro Boost, Front



| O.L.D | Brake | Spokes | Weight |
|-----------------------------|-------|--------|--------|
| 110 x 15 mm TA | | | |
| 110 x 15 mm TA, Torque Caps | IS | 28, 32 | 210 g. |
| 110 x 20 mm TA | | | |

Enduro, Rear



| O.L.D | Brake | Spokes | Driver | Weight |
|----------------|-------|--------|----------------------|--------|
| 135 x 10 mm TA | | | Shimano HG, MTB | |
| 135 x 12 mm TA | IS | 32 | Shimano Micro Spline | 316 g. |
| 142 x 12 mm TA | | | SRAM XD | |

Enduro Boost, Rear



| O.L.D | Brake | Spokes | Driver | Weight |
|----------------|-------|--------|----------------------|--------|
| 141 x 10 mm TA | | | Shimano HG, MTB | |
| 148 x 12 mm TA | IS | 28, 32 | Shimano Micro Spline | 322 g. |
| | | | SRAM XD | |

Trailmech Enduro Boost rear hub is the Winner of the [Design & Innovation Award 2020](#), Components (Off-road) category.

Super Boost Plus, Rear



| O.L.D | Brake | Spokes | Driver | Weight |
|----------------|-------|--------|--|--------|
| 157 x 12 mm TA | IS | 28, 32 | Shimano HG, MTB Shimano Micro Spline SRAM XD | 342 g. |

Downhill, Rear



| O.L.D | Brake | Spokes | Driver | Weight |
|----------------------------------|-------|--------|--|--------|
| 150 x 12 mm TA 157 x 12 mm TA | IS | 32 | Shimano HG, MTB Shimano Micro Spline SRAM XD | 348 g. |

Wheel Building Data

| Model & O.L.D | Spokes | CTF, DS | CTF, NDS | PCD, DS | PCD, NDS |
|-----------------------------------|------------|---------|----------|---------|----------|
| XC, front, 100 | 28, 32 | 31.40 | 22.60 | 58.00 | 58.00 |
| XC Boost, front 110 | 28, 32 | 36.40 | 27.60 | 58.00 | 58.00 |
| Enduro, front 100 | 32 | 31.40 | 22.70 | 58.00 | 58.00 |
| Enduro Boost, front, 110 | 28, 32 | 36.40 | 27.70 | 58.00 | 58.00 |
| XC, rear, 135/142 | 28, 32 | 20.30 | 33.70 | 58.00 | 58.00 |
| XC Boost, rear 141/148 | 28, 32 | 22.30 | 36.70 | 58.00 | 58.00 |
| XCR, front, 100 | 28, 32 | 31.40 | 22.60 | 56.00 | 56.00 |
| XCR Boost, front 110 | 28, 32 | 36.40 | 27.60 | 56.00 | 56.00 |
| XCR, rear, 135/142 | 28, 32 | 20.30 | 33.70 | 56.00 | 56.00 |
| XCR Boost, rear 141/148 | 28, 32 | 23.30 | 36.70 | 56.00 | 56.00 |
| Gravel, front, 100 | 24, 28, 32 | 35.00 | 22.60 | 44.00 | 56.00 |
| Gravel, rear, 135/142 | 24, 28, 32 | 18.50 | 30.00 | 56.00 | 56.00 |
| Enduro, rear, 135/142 | 32 | 20.30 | 33.70 | 58.00 | 58.00 |
| Enduro Boost, rear, 141/148 | 28, 32 | 23.50 | 36.50 | 58.00 | 58.00 |
| Enduro Super Boost Plus, rear 157 | 32 | 27.50 | 40.50 | 58.00 | 58.00 |
| Downhill, rear, 150/157 | 32 | 27.50 | 32.50 | 58.00 | 58.00 |

CTF, DS – Center to Flange, Drive-side (Right)

CTF, NDS – Center to Flange, Non-Drive-side (Left)