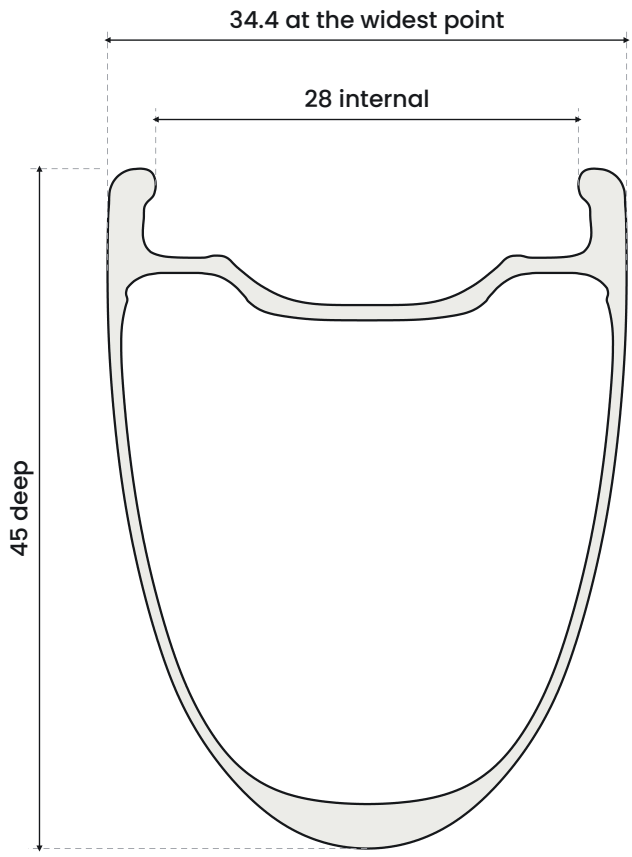
# Venn 4528 TCD

Gravel carbon rim, 45 mm deep, ETRTO standard. 5-year rim warranty.




Section at 2:1 when printed at 100% on A4. Figures in mm.

| | |
|---|---|
| ERD | **551 mm**<br>Factory figure |
| Internal width | **28 mm** |
| External width | 34.4 mm at the widest point |
| Depth | 45 mm |
| Weight | 420 ± 15 g<br>L version 380 ± 15 g<br>Raw finished rim, no clear coat; the L version has the same profile, ERD and options |
| Wheel size | 700c / 29" (ISO 622) |
| Spoke holes | 20, 24 or 28<br>Drilled after moulding |
| Maximum spoke tension | 130 kgf |
| Brake | Disc |
| Tyre | Tubeless ready, hooked<br>Tubeless or with inner tubes |
| Rider weight limit | 110 kg |

## FOR THE BUILD

- **Spoke length.** Use the ERD above. Before cutting spokes for a full order, measure one rim from the batch.
- **Nipples.** Order with tool access holes for internal nipples (the rim then needs tubeless tape), or without them for a true tubeless rim bed (external nipples only).
- **Finish.** Gloss uncoated, matte uncoated or 25k pattern (+30 g per rim). Decals: silver Venn Hanko, black Venn logo (original) or none (plain carbon).

## TESTED

- **Impact:** 100 J pass mark for gravel rims. The UCI's wheel requirement is 40 J (ISO 4210-7). A pass mark is the energy every rim must pass, not a failure point.
- **Spoke holes:** pull-through tested; pass mark 300 kgf.
- Every rim model goes through the same programme: fatigue, run-out, spoke hole strength, lateral rigidity, tyre retention and heat.