



R45 and Classic hub specifications and wheel building information

| Hub Type | Axle Type | Axle Width (mm) | Flange Diameter Drive Side (mm) | Flange Diameter non-Drive Side (mm) | Center to Flange Drive Side (mm) | Center to Flange non-Drive Side (mm) | Frame Attachment Options | Available Spoke Hole Drilling | Upgrade & Conversion Options | Weight* (grams) |
|---|-----------|-----------------|---------------------------------|-------------------------------------|--|--------------------------------------|--------------------------|-------------------------------|------------------------------|------------------|
| R45 Road Racing front | two piece | 100 | 39.8 | 39.8 | 34.8 | 34.8 | QR | 20, 24, 28, 32 | - | 102 |
| R45 Road Racing rear | one piece | 130 | 51.0 | 51.0 | 18.9 | 34.6 | QR | 24, 28, 32 | - | 215 |
| Classic Road / Cross / Mtn front | two piece | 100 | 53.0 | 53.0 | 34.3 | 34.3 | QR | 28, 32, 36 | - | 136 |
| Classic Road / Cross rear | two piece | 130 | 53.0 | 53.0 | 17.2 | 37.3 | QR | 28, 32, 36 | 1, 2, 3 | 276 |
| Classic Mountain rear | one piece | 135 | 53.0 | 53.0 | 21.0 | 33.5 | QR/FB | 28, 32, 36 | 1, 2, 3 | 302 |
| Classic low flange front | two piece | 100 | 40.0 | 40.0 | 34.0 | 34.0 | QR | 28, 32, 36 | - | 112 |
| Classic low flange rear | two piece | 130 | 53.0 | 44.0 | 18.5 | 38.5 | QR | 28, 32, 36 | 1, 2, 3 | 264 |
| Classic Mtn low flange rear | two piece | 135 | 53.0 | 44.0 | 21.0 | 36.0 | QR | 28, 32, 36 | 1, 2, 3 | 266 |
| Single Speed Road rear | one piece | 130 | 53.0 | 53.0 | 31.2 | 36.2 | QR/FB | 28, 32, 36 | 1 | 370 ^a |
| Single Speed Mountain rear | one piece | 135 | 53.0 | 53.0 | 33.7 | 33.7 | QR/FB | 28, 32, 36 | 1 | 375 ^a |
| BMX high flange front | one piece | 100 | 53.0 | 53.0 | 34.3 | 34.3 | BO | 28, 32, 36 | - | 216 ^b |
| BMX high flange rear | one piece | 110 | 53.0 | 53.0 | 27.3 | 27.3 | BO | 28, 32, 36 | - | 388 ^c |
| BMX low flange front | one piece | 100 | 40.0 | 40.0 | 34.0 | 34.0 | BO | 28, 32, 36 | - | 194 ^b |
| BMX low flange rear | one piece | 110 | 53.0 | 44.0 | 27.0 | 30.0 | BO | 28, 32, 36 | - | 376 ^c |
| Classic Mountain 160 rear | one piece | 160 | 53.0 | 53.0 | 33.7 | 33.7 | QR/FB | 28, 32, 36 | 3 | 374 ^d |
| Frame Attachment Options QR: Quick release only BO: Bolt-on only QR/FB: Quick release or FunBolts (FunBolts only compatible with rear one piece axle) | | | | | Upgrade & Conversion Options 1. Convertible to 130mm and 135mm one piece axle (allowing FunBolts option) 2. Convertible to 130mm, 135mm, and 140mm axle widths when using a two piece axle 3. Convertible to stainless steel driveshell | | | | | |
| Wheel Building Specifications Spoke Gauge: 13, 14, or 15 gauge Spoke Lacing Pattern: 3-or-more cross Spoke Hole Diameter: 2.5mm | | | | | Weight Details * Add 48g if hub features a stainless steel driveshell a. Weight includes 18t stainless steel cog (37g), Single Speed cog spacers (6g) Single Speed cog lock ring (4g) and FunBolts (42g) b. Weight includes BMX axle bolts with washers (44g/pair) c. Weight includes BMX axle bolts with washers (44g/pair), 16t stainless steel cog (32g), and Single Speed cog lock ring (4g) d. Weight includes FunBolts (42g) | | | | | |