

## RECOMMENDED SPOKES LENGTH

| Hub model                              | Rim model            | Holes | Inter-sections | Spokes length left side (mm) | Spokes length right side (mm) | Rim ERD (mm) | Rim OSB (mm) |
|--|----------------------|-------|----------------|------------------------------|-------------------------------|--------------|--------------|
| <b>MTB REAR HUBS - SINGLESPEED</b>     |                      |       |                |                              |                               |              |              |
| <b>Revolt Pro Singlespeed 135x10mm</b> | Rocket v.1/v.2 29"   | 32    | 3              | 294                          | 294                           | 605          | 0.75         |
|  | Revolt v.1/v.2 27.5" | 32    | 3              | 270                          | 272                           | 559          | 1.7          |
|  | Shield 27.5"         | 32    | 3              | 270                          | 270                           | 556          | 1.5          |
|  | Shield 27.5"         | 36    | 3              | 266                          | 266                           | 556          | 1.5          |
|  | Rocket v.1/v.2 27.5" | 32    | 3              | 274                          | 276                           | 567          | 0.75         |
|  | Raider 27.5"         | 32    | 3              | 272                          | 272                           | 562          | 1.5          |
|  | Revolt v.1/v.2 26"   | 32    | 3              | 258                          | 260                           | 534          | 1.7          |
|  | Revolt v.1/v.2 26"   | 36    | 3              | 254                          | 256                           | 534          | 1.7          |
|  | Shield 26"           | 32    | 3              | 256                          | 258                           | 531          | 1.5          |
|  | Shield 26"           | 36    | 3              | 254                          | 254                           | 531          | 1.5          |
|  | Rocket v.1/v.2 26"   | 32    | 3              | 262                          | 262                           | 542          | 0.75         |
|  | Fortress/Raider 26"  | 32    | 3              | 260                          | 260                           | 537          | 1.5          |
|  | Fortress/Raider 26"  | 36    | 3              | 256                          | 258                           | 537          | 1.5          |
|  | Revolt v.1 24"       | 36    | 3              | 230                          | 230                           | 482          | 1.7          |
|  | Shield 24"           | 32    | 3              | 232                          | 232                           | 479          | 1.5          |
|  | Shield 24"           | 36    | 3              | 228                          | 228                           | 479          | 1.5          |
| Fortress/Raider 24"                    | 32                   | 3     | 234            | 234                          | 485                           | 1.5          |              |
| Fortress/Raider 24"                    | 36                   | 3     | 230            | 232                          | 485                           | 1.5          |              |
| <b>Revolt Singlespeed 135x10mm</b>     | Rocket v.1/v.2 29"   | 32    | 3              | 294                          | 294                           | 605          | 0.75         |
|  | Revolt v.1/v.2 27.5" | 32    | 3              | 270                          | 272                           | 559          | 1.7          |
|  | Shield 27.5"         | 32    | 3              | 270                          | 270                           | 556          | 1.5          |
|  | Shield 27.5"         | 36    | 3              | 266                          | 266                           | 556          | 1.5          |
|  | Rocket v.1/v.2 27.5" | 32    | 3              | 274                          | 274                           | 567          | 0.75         |
|  | Raider 27.5"         | 32    | 3              | 272                          | 272                           | 562          | 1.5          |
|  | Revolt v.1/v.2 26"   | 32    | 3              | 258                          | 258                           | 534          | 1.7          |
|  | Revolt v.1/v.2 26"   | 36    | 3              | 254                          | 256                           | 534          | 1.7          |
|  | Shield 26"           | 32    | 3              | 256                          | 258                           | 531          | 1.5          |
|  | Shield 26"           | 36    | 3              | 254                          | 254                           | 531          | 1.5          |
|  | Rocket v.1/v.2 26"   | 32    | 3              | 262                          | 262                           | 542          | 0.75         |
|  | Fortress/Raider 26"  | 32    | 3              | 260                          | 260                           | 537          | 1.5          |
|  | Fortress/Raider 26"  | 36    | 3              | 256                          | 256                           | 537          | 1.5          |
|  | Revolt v.1 24"       | 36    | 3              | 230                          | 230                           | 482          | 1.7          |
|  | Shield 24"           | 32    | 3              | 232                          | 232                           | 479          | 1.5          |
|  | Shield 24"           | 36    | 3              | 228                          | 228                           | 479          | 1.5          |
| Fortress/Raider 24"                    | 32                   | 3     | 234            | 234                          | 485                           | 1.5          |              |
| Fortress/Raider 24"                    | 36                   | 3     | 230            | 232                          | 485                           | 1.5          |              |
| <b>K-Drive 135x10mm</b>                | Rocket v.1/v.2 29"   | 32    | 3              | 294                          | 294                           | 605          | 0.75         |
|  | Revolt v.1/v.2 27.5" | 32    | 3              | 270                          | 270                           | 559          | 1.7          |
|  | Shield 27.5"         | 32    | 3              | 270                          | 270                           | 556          | 1.5          |
|  | Shield 27.5"         | 36    | 3              | 266                          | 266                           | 556          | 1.5          |
|  | Rocket v.1/v.2 27.5" | 32    | 3              | 274                          | 274                           | 567          | 0.75         |
|  | Raider 27.5"         | 32    | 3              | 272                          | 272                           | 562          | 1.5          |
|  | Revolt v.1/v.2 26"   | 32    | 3              | 258                          | 258                           | 534          | 1.7          |
|  | Revolt v.1/v.2 26"   | 36    | 3              | 256                          | 256                           | 534          | 1.7          |
|  | Shield 26"           | 32    | 3              | 258                          | 258                           | 531          | 1.5          |
|  | Shield 26"           | 36    | 3              | 254                          | 254                           | 531          | 1.5          |
|  | Rocket v.1/v.2 26"   | 32    | 3              | 262                          | 262                           | 542          | 0.75         |
|  | Fortress/Raider 26"  | 32    | 3              | 260                          | 260                           | 537          | 1.5          |
|  | Fortress/Raider 26"  | 36    | 3              | 256                          | 256                           | 537          | 1.5          |
|  | Revolt v.1 24"       | 36    | 3              | 230                          | 230                           | 482          | 1.7          |
|  | Shield 24"           | 32    | 3              | 232                          | 232                           | 479          | 1.5          |
|  | Shield 24"           | 36    | 3              | 228                          | 228                           | 479          | 1.5          |
| Fortress/Raider 24"                    | 32                   | 3     | 234            | 234                          | 485                           | 1.5          |              |
| Fortress/Raider 24"                    | 36                   | 3     | 232            | 230                          | 485                           | 1.5          |              |

## RECOMMENDED SPOKES LENGTH

| Hub model  | Rim model                                    | Holes                | Inter-sections | Spokes length left side (mm) | Spokes length right side (mm) | Rim ERD (mm) | Rim OSB (mm) |      |
|--|--|----------------------|----------------|------------------------------|-------------------------------|--------------|--------------|------|
| <b>MTB REAR HUBS - CASSETTE</b>                    |  |                      |                |                              |                               |              |              |      |
| <b>Revolt Pro Cassette 150x12mm</b>                | Rocket v.1/v.2 29"                           | 32                   | 3              | 294                          | 292                           | 605          | 0.75         |      |
|  | Revolt v.1/v.2 27.5"                         | 32                   | 3              | 272                          | 270                           | 559          | 1.7          |      |
|  | Shield 27.5"                                 | 32                   | 3              | 270                          | 268                           | 556          | 1.5          |      |
|  | Shield 27.5"                                 | 36                   | 3              | 266                          | 264                           | 556          | 1.5          |      |
|  | Rocket v.1/v.2 27.5"                         | 32                   | 3              | 276                          | 274                           | 567          | 0.75         |      |
|  | Raider 27.5"                                 | 32                   | 3              | 274                          | 272                           | 562          | 1.5          |      |
|  | Revolt v.1/v.2 26"                           | 32                   | 3              | 260                          | 258                           | 534          | 1.7          |      |
|  | Revolt v.1/v.2 26"                           | 36                   | 3              | 256                          | 254                           | 534          | 1.7          |      |
|  | Shield 26"                                   | 32                   | 3              | 258                          | 256                           | 531          | 1.5          |      |
|  | Shield 26"                                   | 36                   | 3              | 254                          | 252                           | 531          | 1.5          |      |
|  | Rocket v.1/v.2 26"                           | 32                   | 3              | 264                          | 262                           | 542          | 0.75         |      |
|  | Fortress/Raider 26"                          | 32                   | 3              | 260                          | 258                           | 537          | 1.5          |      |
|  | Fortress/Raider 26"                          | 36                   | 3              | 258                          | 256                           | 537          | 1.5          |      |
|  | Revolt v.1 24"                               | 36                   | 3              | 230                          | 228                           | 482          | 1.7          |      |
|  | Shield 24"                                   | 32                   | 3              | 232                          | 230                           | 479          | 1.5          |      |
|  | Shield 24"                                   | 36                   | 3              | 228                          | 226                           | 479          | 1.5          |      |
| Fortress/Raider 24"                                | 32   | 3                    | 236            | 234                          | 485                           | 1.5          |              |      |
| Fortress/Raider 24"                                | 36   | 3                    | 232            | 230                          | 485                           | 1.5          |              |      |
| <b>Revolt Pro Cassette 135/142x12 and 135x10mm</b> | Rocket v.1/v.2 29"                           | 32                   | 3              | 294                          | 292                           | 605          | 0.75         |      |
|  | Revolt v.1/v.2 27.5"                         | 32                   | 3              | 270                          | 270                           | 559          | 1.7          |      |
|  | Shield 27.5"                                 | 32                   | 3              | 270                          | 268                           | 556          | 1.5          |      |
|  | Shield 27.5"                                 | 36                   | 3              | 266                          | 264                           | 556          | 1.5          |      |
|  | Rocket v.1/v.2 27.5"                         | 32                   | 3              | 274                          | 274                           | 567          | 0.75         |      |
|  | Raider 27.5"                                 | 32                   | 3              | 272                          | 270                           | 562          | 1.5          |      |
|  | Revolt v.1/v.2 26"                           | 32                   | 3              | 258                          | 256                           | 534          | 1.7          |      |
|  | Revolt v.1/v.2 26"                           | 36                   | 3              | 254                          | 254                           | 534          | 1.7          |      |
|  | Shield 26"                                   | 32                   | 3              | 256                          | 256                           | 531          | 1.5          |      |
|  | Shield 26"                                   | 36                   | 3              | 254                          | 252                           | 531          | 1.5          |      |
|  | Rocket v.1/v.2 26"                           | 32                   | 3              | 262                          | 260                           | 542          | 0.75         |      |
|  | Fortress/Raider 26"                          | 32                   | 3              | 260                          | 258                           | 537          | 1.5          |      |
|  | Fortress/Raider 26"                          | 36                   | 3              | 256                          | 254                           | 537          | 1.5          |      |
|  | Revolt v.1 24"                               | 36                   | 3              | 230                          | 228                           | 482          | 1.7          |      |
|  | Shield 24"                                   | 32                   | 3              | 232                          | 230                           | 479          | 1.5          |      |
|  | Shield 24"                                   | 36                   | 3              | 228                          | 226                           | 479          | 1.5          |      |
| Fortress/Raider 24"                                | 32   | 3                    | 234            | 232                          | 485                           | 1.5          |              |      |
| Fortress/Raider 24"                                | 36   | 3                    | 230            | 230                          | 485                           | 1.5          |              |      |
| <b>Revolt Cassette 150x12mm</b>                    | Rocket v.1/v.2 29"                           | 32                   | 3              | 294                          | 292                           | 605          | 0.75         |      |
|  | Revolt v.1/v.2 27.5"                         | 32                   | 3              | 272                          | 270                           | 559          | 1.7          |      |
|  | Shield 27.5"                                 | 32                   | 3              | 270                          | 268                           | 556          | 1.5          |      |
|  | Rocket v.1/v.2 27.5"                         | 32                   | 3              | 276                          | 274                           | 567          | 0.75         |      |
|  | Raider 27.5"                                 | 32                   | 3              | 274                          | 272                           | 562          | 1.5          |      |
|  | Revolt v.1/v.2 26"                           | 32                   | 3              | 256                          | 254                           | 534          | 1.7          |      |
|  | Shield 26"                                   | 32                   | 3              | 258                          | 256                           | 531          | 1.5          |      |
|  | Rocket v.1/v.2 26"                           | 32                   | 3              | 264                          | 262                           | 542          | 0.75         |      |
|  | Fortress/Raider 26"                          | 32                   | 3              | 262                          | 260                           | 537          | 1.5          |      |
|  | Shield 24"                                   | 32                   | 3              | 232                          | 230                           | 479          | 1.5          |      |
|  | Fortress/Raider 24"                          | 32                   | 3              | 236                          | 234                           | 485          | 1.5          |      |
|  | Fortress/Raider 24"                          | 36                   | 3              | 232                          | 230                           | 485          | 1.5          |      |
|  | <b>Revolt Cassette 135x12mm and 135x10mm</b> | Rocket v.1/v.2 29"   | 32             | 3                            | 294                           | 292          | 605          | 0.75 |
|  |  | Revolt v.1/v.2 27.5" | 32             | 3                            | 270                           | 270          | 559          | 1.7  |
|  |  | Shield 27.5"         | 32             | 3                            | 270                           | 268          | 556          | 1.5  |
|  |  | Rocket v.1/v.2 27.5" | 32             | 3                            | 274                           | 274          | 567          | 0.75 |
| Raider 27.5"                                       |  | 32                   | 3              | 272                          | 270                           | 562          | 1.5          |      |
| Revolt v.1/v.2 26"                                 |  | 32                   | 3              | 258                          | 256                           | 534          | 1.7          |      |
| Shield 26"   |  | 32                   | 3              | 256                          | 254                           | 531          | 1.5          |      |
| Rocket v.1/v.2 26"                                 |  | 32                   | 3              | 262                          | 260                           | 542          | 0.75         |      |
| Fortress/Raider 26"                                |  | 32                   | 3              | 260                          | 258                           | 537          | 1.5          |      |
| Shield 24"   |  | 32                   | 3              | 232                          | 230                           | 479          | 1.5          |      |
| Fortress/Raider 24"                                |  | 32                   | 3              | 234                          | 232                           | 485          | 1.5          |      |
| Fortress/Raider 24"                                |  | 36                   | 3              | 230                          | 230                           | 485          | 1.5          |      |
| <b>Quantic 150x12mm</b>                            |  | Rocket v.1/v.2 29"   | 32             | 3                            | 294                           | 294          | 605          | 0.75 |
|  |  | Revolt v.1/v.2 27.5" | 32             | 3                            | 272                           | 272          | 559          | 1.7  |
|  |  | Shield 27.5"         | 32             | 3                            | 270                           | 270          | 556          | 1.5  |
|  |  | Shield 27.5"         | 36             | 3                            | 266                           | 268          | 556          | 1.5  |
|  | Rocket v.1/v.2 27.5"                         | 32                   | 3              | 276                          | 276                           | 567          | 0.75         |      |
|  | Raider 27.5"                                 | 32                   | 3              | 274                          | 272                           | 562          | 1.5          |      |
|  | Revolt v.1/v.2 26"                           | 32                   | 3              | 260                          | 260                           | 534          | 1.7          |      |
|  | Revolt v.1/v.2 26"                           | 36                   | 3              | 256                          | 256                           | 534          | 1.7          |      |
|  | Shield 26"                                   | 32                   | 3              | 258                          | 258                           | 531          | 1.5          |      |
|  | Shield 26"                                   | 36                   | 3              | 254                          | 252                           | 531          | 1.5          |      |
|  | Rocket v.1/v.2 26"                           | 32                   | 3              | 264                          | 262                           | 542          | 0.75         |      |
|  | Fortress/Raider 26"                          | 32                   | 3              | 266                          | 260                           | 537          | 1.5          |      |
|  | Fortress/Raider 26"                          | 36                   | 3              | 258                          | 258                           | 537          | 1.5          |      |
|  | Revolt v.1 24"                               | 36                   | 3              | 230                          | 230                           | 482          | 1.7          |      |
|  | Shield 24"                                   | 32                   | 3              | 232                          | 232                           | 479          | 1.5          |      |
|  | Shield 24"                                   | 36                   | 3              | 228                          | 226                           | 479          | 1.5          |      |
| Fortress/Raider 24"                                | 32   | 3                    | 236            | 234                          | 485                           | 1.5          |              |      |
| Fortress/Raider 24"                                | 36   | 3                    | 232            | 232                          | 485                           | 1.5          |              |      |

## RECOMMENDED SPOKES LENGTH

| Hub model                          | Rim model            | Holes | Inter-sections | Spokes length left side (mm) | Spokes length right side (mm) | Rim ERD (mm) | Rim OSB (mm) |
|------------------------------------|----------------------|-------|----------------|------------------------------|-------------------------------|--------------|--------------|
| <b>MTB FRONT HUBS - 20mm AXLE</b>  |                      |       |                |                              |                               |              |              |
| <b>Revolt Pro Disc 20 110x20mm</b> | Rocket v.1/v.2 29"   | 32    | 3              | 292                          | 296                           | 605          | 0.75         |
|                                    | Revolt v.1/v.2 27.5" | 32    | 3              | 270                          | 272                           | 559          | 1.7          |
|                                    | Shield 27.5"         | 32    | 3              | 268                          | 270                           | 556          | 1.5          |
|                                    | Shield 27.5"         | 36    | 3              | 264                          | 268                           | 556          | 1.5          |
|                                    | Rocket v.1/v.2 27.5" | 32    | 3              | 274                          | 276                           | 567          | 0.75         |
|                                    | Raider 27.5"         | 32    | 3              | 272                          | 274                           | 562          | 1.5          |
|                                    | Revolt v.1/v.2 26"   | 32    | 3              | 258                          | 260                           | 534          | 1.7          |
|                                    | Revolt v.1/v.2 26"   | 36    | 3              | 254                          | 258                           | 534          | 1.7          |
|                                    | Shield 26"           | 32    | 3              | 256                          | 256                           | 531          | 1.5          |
|                                    | Shield 26"           | 36    | 3              | 252                          | 254                           | 531          | 1.5          |
|                                    | Rocket v.1/v.2 26"   | 32    | 3              | 262                          | 264                           | 542          | 0.75         |
|                                    | Fortress/Raider 26"  | 32    | 3              | 258                          | 262                           | 537          | 1.5          |
|                                    | Fortress/Raider 26"  | 36    | 3              | 256                          | 260                           | 537          | 1.5          |
|                                    | Revolt v.1 24"       | 36    | 3              | 228                          | 232                           | 482          | 1.7          |
|                                    | Shield 24"           | 32    | 3              | 230                          | 232                           | 479          | 1.5          |
|                                    | Shield 24"           | 36    | 3              | 226                          | 230                           | 479          | 1.5          |
| Fortress/Raider 24"                | 32                   | 3     | 234            | 236                          | 485                           | 1.5          |              |
| Fortress/Raider 24"                | 36                   | 3     | 230            | 234                          | 485                           | 1.5          |              |
| <b>Revolt Disc 20 110x20mm</b>     | Rocket v.1/v.2 29"   | 32    | 3              | 292                          | 294                           | 605          | 0.75         |
|                                    | Revolt v.1/v.2 27.5" | 32    | 3              | 270                          | 270                           | 559          | 1.7          |
|                                    | Shield 27.5"         | 32    | 3              | 268                          | 270                           | 556          | 1.5          |
|                                    | Shield 27.5"         | 36    | 3              | 264                          | 266                           | 556          | 1.5          |
|                                    | Rocket v.1/v.2 27.5" | 32    | 3              | 274                          | 274                           | 567          | 0.75         |
|                                    | Raider 27.5"         | 32    | 3              | 272                          | 272                           | 562          | 1.5          |
|                                    | Revolt v.1/v.2 26"   | 32    | 3              | 256                          | 258                           | 534          | 1.7          |
|                                    | Revolt v.1/v.2 26"   | 36    | 3              | 254                          | 254                           | 534          | 1.7          |
|                                    | Shield 26"           | 32    | 3              | 252                          |                               |              |              |