

## 4.2. REPLACING THE RIM

### 4.2.1. REPLACING THE RIM ON THE COSMOS, KSYRIUM EQUIPE AND CROSSMAX ENDURO WHEELS

#### 4.2.1.1. Replacing the front rim on the Cosmos, Ksyrium Equipe and Crossmax Enduro wheels

##### Tools needed

- 1 alu spoke wrench M40494 or M40652 (for the Crossmax Enduro wheel)
- 1 classic spoke wrench (for the Cosmos and Ksyrium Equipe wheels)
- 1 tensiometer + tension-reading conversion chart adapted to the tensiometer used

1. Remove the hub caps.
2. Put each spoke on the rim :
  - For the Cosmos and Ksyrium Equipe wheels : By tightening the nipples on the spokes until the nipples start braking.
  - For the Crossmax Enduro wheel : By tightening the nipple in the rim until the red brake ring disappears.
3. Put the spokes in the hub. To orient the decals property, the spoke located on the rim hole near the raised indicator bumps must fit into the hub on the " C " side of the Mavic sticker.
4. Put the hub caps back in place.
5. Tighten every spoke evenly to set the tension of the wheel.
6. Set the final tension and center the wheel (refer to product pages to know which tension is adapted to each wheel).

The spokes have an anti-rotation system, which prevents them from turning in the hub. When setting the tension of the spokes, they will automatically lock in the hub.

Since they are an ABS type of nipples (Cosmos and Ksyrium Equipe) or integrate a brake ring (Crossmax Enduro), it is not necessary to use thread lock.

**CAUTION :** Manipulating the spoke nipples on the Crossmax Enduro wheel greatly affects the spoke tension and consequently the wheel adjustment. In the final phase of adjusting the tension, 1/4 turn of the nipple corresponds to about 0.3 mm of lateral rim movement.

