

BUILDING THE X3.1 UST® DISC RIMS

Tools needed

- A classic spoke wrench
- A hollow screw wrench M40630
- **Loctite® 243 thread lock or equivalent**

Build a tubeless rim in the classic manner except for the points below:

- 1** Insert a hollow screw head first into the spoke. Then tighten the spoke nipple about 3 turns.
- 2** At first, tighten the hollow screw in the corresponding rim hole only one turn.
- 3** Once all the spokes are properly placed, put the Loctite® 243 thread lock or equivalent on the hollow screws.
- 4** Tighten the hollow screws with the wrench M40630. Caution: Left hand thread. Torque: 5.5 Nm.
- 5** Put a drop of oil around every spoke nipple so they don't jam against the hollow screws.
- 6** Adjust the spoke tension with a classic spoke wrench by using the spoke nipples. Never use the hollow screws.

Recommendations for building a disc rim: see page 19.

Mavic recommends using a minimum length of 16 mm spoke nipples only for 2 reasons:

- To avoid losing a nipple between the 2 walls of the rim when removing or building the rim.
- To avoid damaging the hollow screws with the spoke wrench, if the nipple does not sufficiently cover the screw.

Do not use the hollow screws to adjust the radial truing of the wheel.

The hollow screws must be glued, and then completely tightened, using a 5.5 Nm torque. **The spoke nipples must be used** to build and adjust the wheel. **Once the tension of the wheel has been adjusted, the hollow screws must never be tightened or loosened.** To remove one, first remove the spoke.

