

WHEEL BUILDING

REPLACING A SPOKE OR THE FRONT RIM ON KSYRIUM ELITE 11 WHEELS

Tools needed:

- Spoke wrench 996 079 01
- Aerodynamic spoke wrench M40567
- Mavic tensiometer 995 643 01 + tension-reading conversion chart supplied
- 1 x 5 mm Allen wrench
- 1 hub wrench M40123

The spoke reference and length to be used are indicated in the product pages.

The hub is in 3 parts (2 flanges + central tube). These 3 parts are not integral with each other.

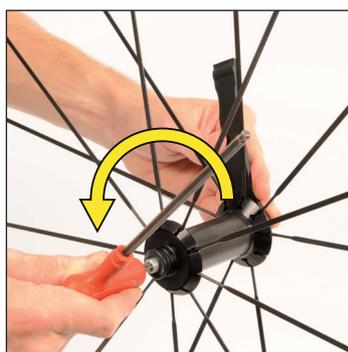
It is thus possible that, without the spokes in place (bare hub), the 2 flanges pivot in relation to each other. When under the tension of the spokes, they will move into the correct position by themselves.



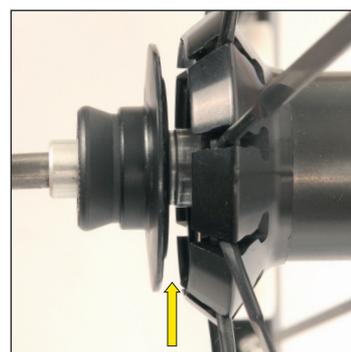
Adjustment nut side, remove the fork support which is clipped on the end of the axle.



Insert the 5 mm Allen wrench into the end of the axle, side opposite the adjustment nut. Hold the adjustment nut with the hub wrench M40123.



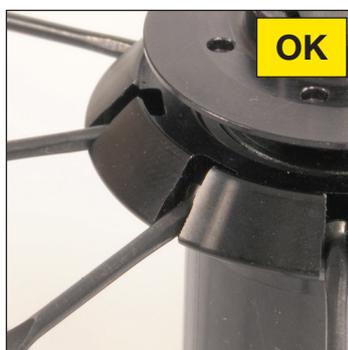
Unscrew the axle by turning the Allen wrench counter-clockwise. Turn it approximately 5 turns to free up enough play.



Manually pre-fit/screw in all the rim spokes until contact with the threadlocker.



Insert each spoke head into the housings of one of the hub flanges, presenting them from the outside owing to the space freed up by the play in the axle. Repeat this operation for the other layer.



Screw each of the nipples uniformly (1 spoke wrench turn for each spoke and per wheel turn) to tension the wheel, while checking the proper position of their heads in the bottom of the hub groove to prevent spoke displacement or hub breakage.



Using the Allen wrench and the hub wrench M40123, retighten the axle (counter-clockwise) until contact with the bearing is reached and then back off one-half turn.



Tension the wheel and center it definitively respecting the spoke tension indicated on the product pages.