

### 3.1.2. REPLACING THE SPOKES ON THE FRONT KSYRIUM SSC SL TDF AND KSYRIUM SSC SL 04 WHEELS

#### Tools needed:

- 1 spoke wrench alu M40494 or M40652
- 1 aerodynamic spoke maintenance wrench M40567
- 1 tensiometer + tension-reading conversion chart adapted to the tensiometer used.

**1** Start by removing the defective spoke:

**1.1** Loosen the spoke nipple using the alu spoke wrench M40494 or M40652 ;

**1.2** Take the spoke head out of the hub flange by orienting the spoke toward the inside of the wheel and slightly lifting it to be able to pass its head through the hole in the flange.

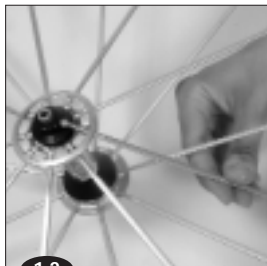
**2** Follow the same procedure for removing the defective spoke to insert the new spoke, head first, from the inside of the hub wall, orienting the spoke so its head goes to the bottom of the groove of the wall ;

**3** Tighten the spoke nipple using the alu spoke wrench M40494 or M40652 ;

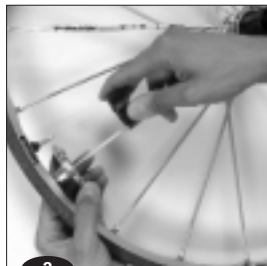
**4** Adjust the spoke tension ( 120 - 130 kg for the front wheel) ;

**5** Check the lateral and radial truing of the wheel.

Since the brake ring locks the nipples in place, it is not necessary to use thread lock.



**1.2**



**3**

**CAUTION** : manipulating the integrated nipples 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.