

LATERAL AND RADIAL TRUING

Radial truing : vertical movement in the rim relative to the horizontal axis of the hub.

Lateral truing : lateral movement in the rim relative to the vertical axis of the hub.

The 2001 range wheels are delivered with maximum tolerances of radial and lateral truing respectively :

- 0,4 mm .
- 0,4 mm and 0,5 mm for wheels compatible with disc brakes (Crossroc® UST® Disc and Crossmax® UST® Disc).

TOOLS NEEDED

- 1 spoke wrench for the Crossride® Ceramic, Crossroc® UST®, Crossroc® UST® Disc, Cosmic® Elite and Classics SSC® wheels.
- 1 spoke tension wrench and spoke maintenance wrench M40494 for Crossmax® UST® Disc wheel.
- 1 Hozan tensionmeter for the Crossride® Ceramic, Crossroc® UST®, Crossroc® UST® Disc, Cosmic® Elite and Classics SSC® wheels.

CAUTION : for the following operations, manipulating the integrated nipples on the Crossmax® UST®, Crossmax® UST® Disc and Ksyrium® SSC® wheels 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.

1 If there is radial movement :

Tighten a spoke on each side of the problem area.

It is necessary to systematically work on both sides so as not to affect the lateral movement of the wheel.

2 If there is lateral movement :

You must always work on the 2 successive spokes on the same side as the problem area and :

- increase the tension (1/4 - 1/2 turn maximum) on the spoke that is closest to the "hollow" side of the problem area.
- loosen the tension (1/4 - 1/2 turn maximum) on the spoke that is closest to the "bump" side of the problem area.

It is necessary to work this way so as not to affect the radial movement of the wheel.

3 Tension of spokes :

After these modifications have been made (radial and lateral truing), check the tension of the spokes to ensure that it doesn't go above the following values :

- 90 - 110 divisions (70 - 90 kg) for a front or right rear Crossride® Ceramic wheel using a Hozan type of tensionmeter.
 - 90 - 110 divisions (80 - 100 kg) for a front or right rear Classics SSC® wheel using a Hozan type of tensionmeter.
 - 110 - 140 divisions (90 - 120 kg) for a front or right rear Crossroc® UST®, Crossroc® UST® Disc wheel using a Hozan type of tensionmeter.
 - 100 - 120 divisions (110 - 140 kg) for a front or right rear Cosmic® Elite wheel using a Hozan type of tensionmeter.
- Crossmax® UST® Disc : 110 - 140 kg for the front wheel and 120 - 150 kg for the rear wheel on the free wheel side.

