



INDUSTRY NINE

COMPONENTRY

RETENSIONING INDUSTRY NINE WHEELS (Break-In Service)

Following the first 1-4 hours (for Stans rims or .090 spoke builds); 4-6 hours (all others) of riding time on Industry Nine wheels, the spokes will require re-tensioning. Following this initial service, spoke tension should be checked at regular intervals, corresponding with normal bicycle service intervals. The steps outlined below should ensure a continuing positive experience with our product.

The use of one of the two mentioned tensiometers is the ONLY way to guarantee proper re-tensioning. Chronic de-tensioning of the wheel may occur if the wheel is not brought back to proper tension using the appropriate tools

Place wheel in truing stand.

Using 1/8 to 1/6 turns on the spokes, true the wheel normally, also taking care to maintain roundness, and checking dish using a wheel dishing gauge.

- NOTE at this stage that gross adjustments to trueness will also affect out-of-roundness.

Once perfectly round and true, add 1/4 turn tension to all spokes.

Pre-stress wheel by hand-stretching parallel pairs of spokes around the wheel (EVENLY DISTRIBUTES SPOKE TENSION INEQUALITIES).

Re-true and check roundness. Dish wheel if necessary using small (1/8-1/6 turn) increments to affected spokes. (HINT: Watch the threaded end of the spoke in the hub to minimize wind-up.)

Check Drive Side (R)/Disc Side (F) tension using DT Tensio™ or Park Tools tensiometer*. Reading should be within the following ranges:

Spokes	DT Tensio Reading	Park Tensiometer Reading
26" UltraLite .090 SPOKES	2.50-2.70mm	24-25
29" on Stan's 355s	2.80-3.00mm	26-28
29'er with DT TK7.1	2.80-3.00mm	26-28
26" All-Mtn	3.00-3.20mm	27-29
26" Enduro	3.00-3.20mm	27-29
26" DH .110 SPOKES	3.60-3.80mm	31-33

- The above deflections translate to 95-105 KgF on Industry Nine spokes.

- Please feel free to call or email us for verification of your readings!

*(We do not recommend the use of the WheelSmith™ tensiometer for Industry Nine spokes. This tensiometer registers outside of its range with our larger diameter spokes.)

-NOTE THAT *NOT ALL* TENSIONS WILL BE IN THIS RANGE, BUT A SAMPLE OF ALL DRIVE/DISC SIDE SPOKES SHOULD RETURN >80% IN SUGGESTED TENSION RANGE.

-ALSO NOTE THAT FRONT SPOKE TENSION MAY FALL IN THE LOW END OF THE RANGE, WHILE DRIVE SIDE REAR SPOKES SHOULD FALL IN THE HIGH END OF THE RANGE, DUE TO GREATER DISH.

Add tension evenly, 1/8-1/4 turn at a time on all spokes, until spoke tension falls in the proper range. Maintain Trueness, Roundness, and Dish following each cycle of tension addition.

Industry Nine wheels should require very few adjustments following this break-in maintenance. For further technical questions, please feel free to contact our technical department via phone or email:

fred@industry-nine.net

800-404-1775

Thank you for purchasing Industry Nine wheels. Now go ride!