

INDUSTRY NINE

SPOKE TENSION AND RUNOUT TOLERANCES

RUNOUT

ALL DISC BRAKE WHEELS

LATERAL RUNOUT: \pm .25MM

RADIAL RUNOUT: \pm .25MM

DISH: \pm .25MM

ALL RIM BRAKE WHEELS

LATERAL RUNOUT: \pm .1MM

RADIAL RUNOUT: \pm .25MM

DISH: \pm .25MM

TENSION

Target Average Tension on Industry Nine wheels is 120KGF.

Aluminum Spoke System wheels and Bladed Spoke Road wheels have an allowable tension variance of \pm 10% on each respective side of the wheel.

This allows a range of 108-132KGF on the drive side.

Average non-drive side tension is to be determined by dish and bracing angles of the wheel. Drive side rear / Non-drive side front tension ranges for each spoke are listed below.

STANDARD ALUMINUM SPOKE

DT 108-132KGF=3.39-3.56 / PARK 32-33

STRAIGHT GAUGE ALUMINUM SPOKE

DT 108-132KGF=3.9-4.08 / PARK 34-35

SAPIM CX-RAY SPOKE

DT 108-132KGF=0.38-0.58 / PARK 13-15

DH ALUMINUM SPOKE

DT 108-132KGF=3.63-3.84 / PARK 33-34

WE ARE ONE ULTRALITE 280 CARBON

DT 103.5-126.5KGF=3.87-4.04 / PARK 33-34

S and 1/1 Series wheels have an allowable tension variance of \pm 15% on each respective side of the wheel. This allows a range of 102-138KGF on the drive side.

Average non-drive side Tension is to be determined by dish and bracing angles of the wheel. Drive Side Tension ranges for each spoke are listed below.

SAPIM RACE SPOKE

DT 102-138KGF=1.78-2.08 / PARK 21-23

SAPIM SPRINT SPOKE

DT 102-138KGF=1.5-1.78 / PARK 19-21