

# ATHLOPEDIA CYCLING BIOMECHANICS

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#### TOPICS

Goals
Bike Geometry & Race Distance
Rider Profile
Road Bike Fit
Tri Bike Fit
Adjustments

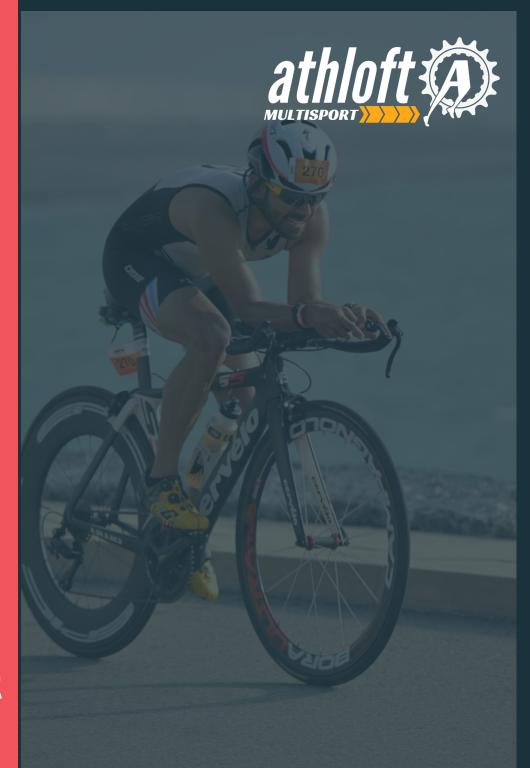
# BIKE FIT GOALS Optimize

**Aerodynamics** 



Comfort

Power Output





### BIKE GEOMETRY



#### RIDER PROFILE

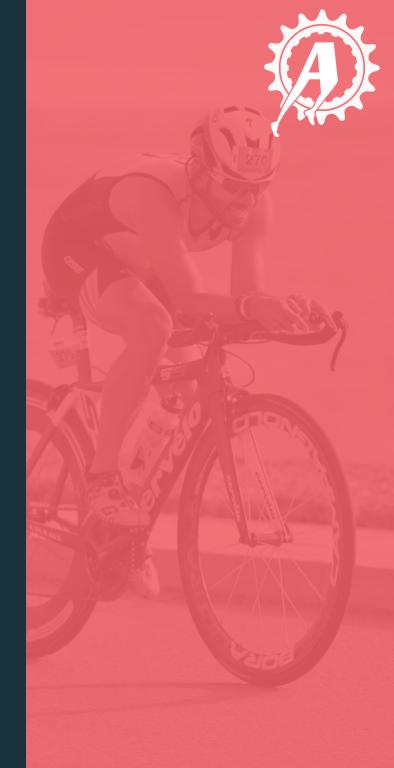
Strength & Flexibility
e.g. Hamstring Flexibility
Core Strength
Pelvic Tilt

Bike Handling Skills

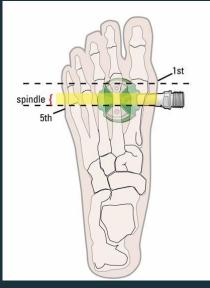


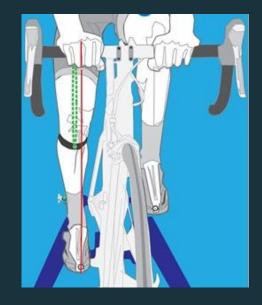
**Body Contact Points** 

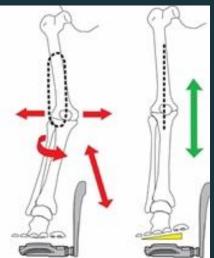


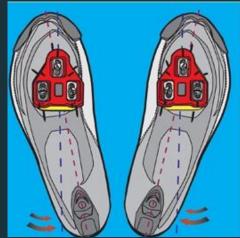


The Foot/Pedal Connection









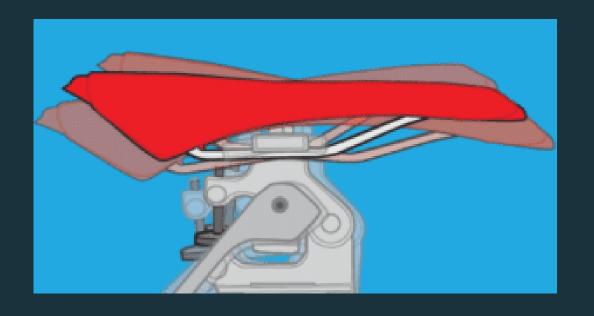


Saddle Selection





Saddle Tilt





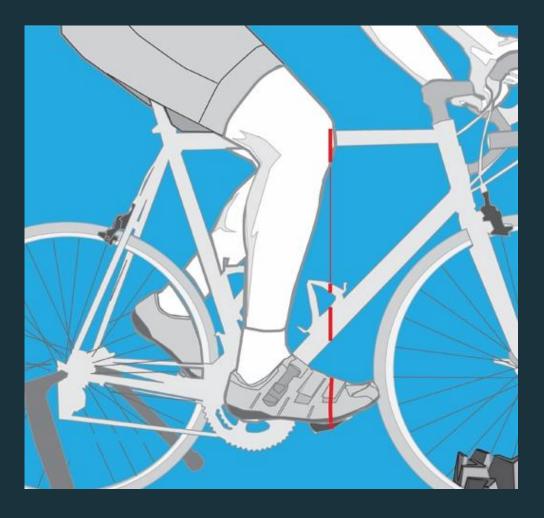
Saddle Height





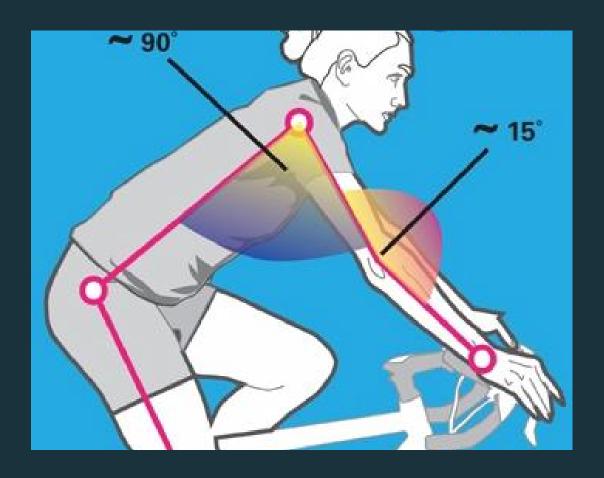


Saddle Fore / Aft





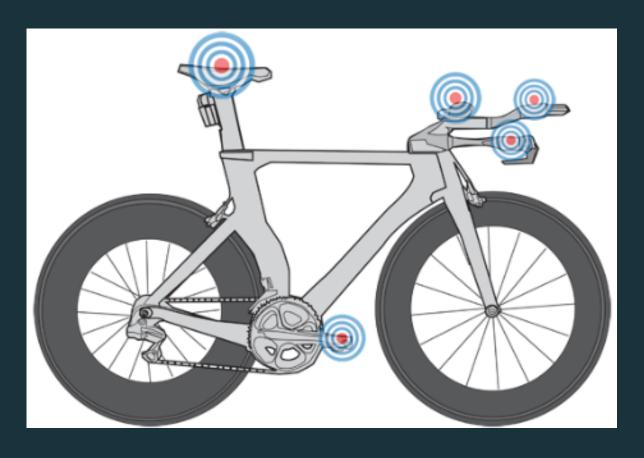
Handle Bar Adjustments





#### TRI BIKE FIT

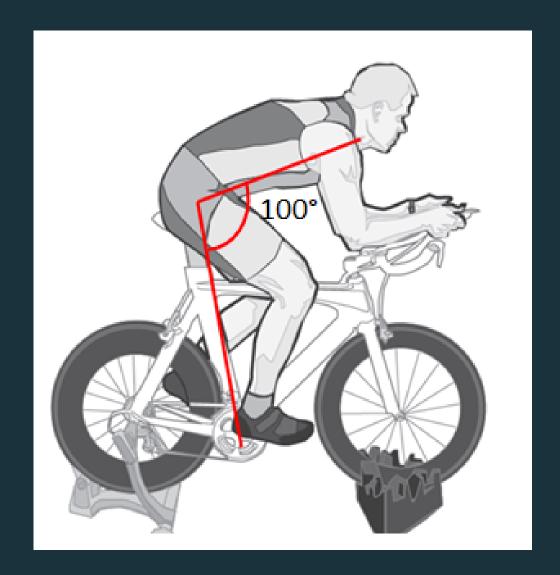
Body Contact Points





#### TRI BIKE FIT

Hip & Shoulder Angle





## TRI BIKE FIT

Frontal







#### **PAIN AREA**



#### **ADJUSTMENT**

Front of Knee	Saddle ↑ & ← (backward)
Back of Knee	Saddle
Outside of Knee (lateral)	Foot out or away ←→ (cleat in)
Inside of Knee (medial)	Foot in or closer ←→ (cleat out)
Achilles	Foot forward (cleat back)
Pressure on bottom/outside of foot	Wedge to the inside (varus wedge)
Saddle - front & center	Bars

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#### ATHLOFT MULTISPORT

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