



|| || || || **NITROGEN**
DISC

A BIKE WITH A HISTORY LIKE NO OTHER...

First introduced in 2015, the Nitrogen set itself apart from other Aero bikes by its versatility, its impeccable handling and stiffness. The Nitrogen Pro followed in 2016 turning all of the original bike's qualities up a notch. No wonder it was so well received by both critics and pro racers.

Times change fast and the 2019 version of the Nitrogen has no problem keeping up with them...



**IT'S SHOW TIME.
THE 2019 NITROGEN DISC
IS ONE LEAN MEAN
RACING MACHINE.**

Built for those who not only want to lead the pack in performance, but also with a sleek, aerodynamic, feature-packed, racing bike that makes a statement wherever it goes. Throw in the braking power of disc brakes and you get a bike that says: Move the heck over, Nitrogen is here.

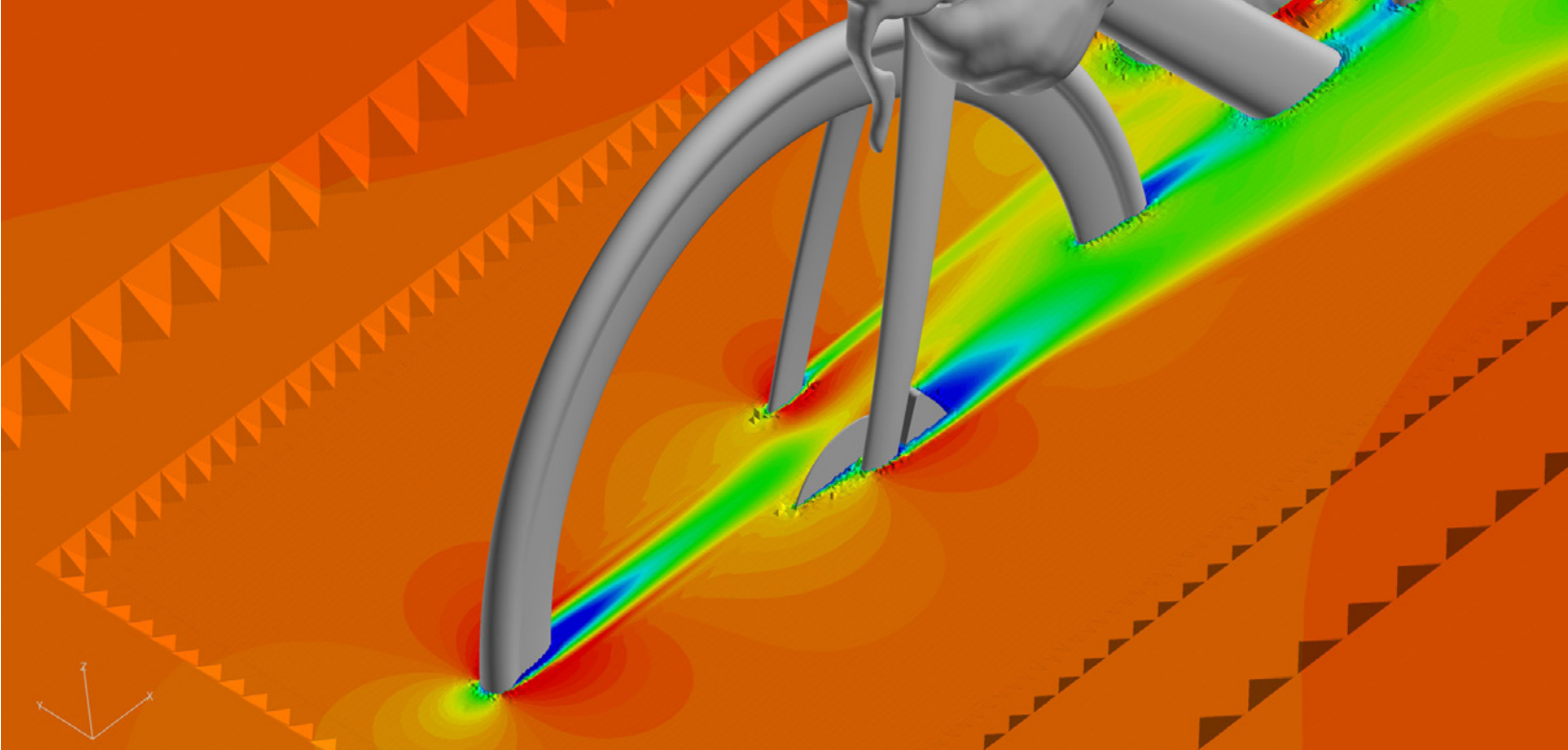


THE WEIGHTING GAME IS OVER

At 948g for a medium size frame (painted with no small parts), the new Nitrogen Disc is the true embodiment of a lightweight aero disc frame. It may be a little heavier (65g) than the Nitrogen Pro was but it is significantly lighter than the original Nitrogen and most other aero disc bikes offered on the market today.

**THE NITROGEN DISC CLEARLY DEMONSTRATES THAT A BIKE FRAME CAN BE AERO,
SPORT DISC BRAKES AND REMAIN AS LIGHT AS A GREAT ROAD BIKE SHOULD BE.**

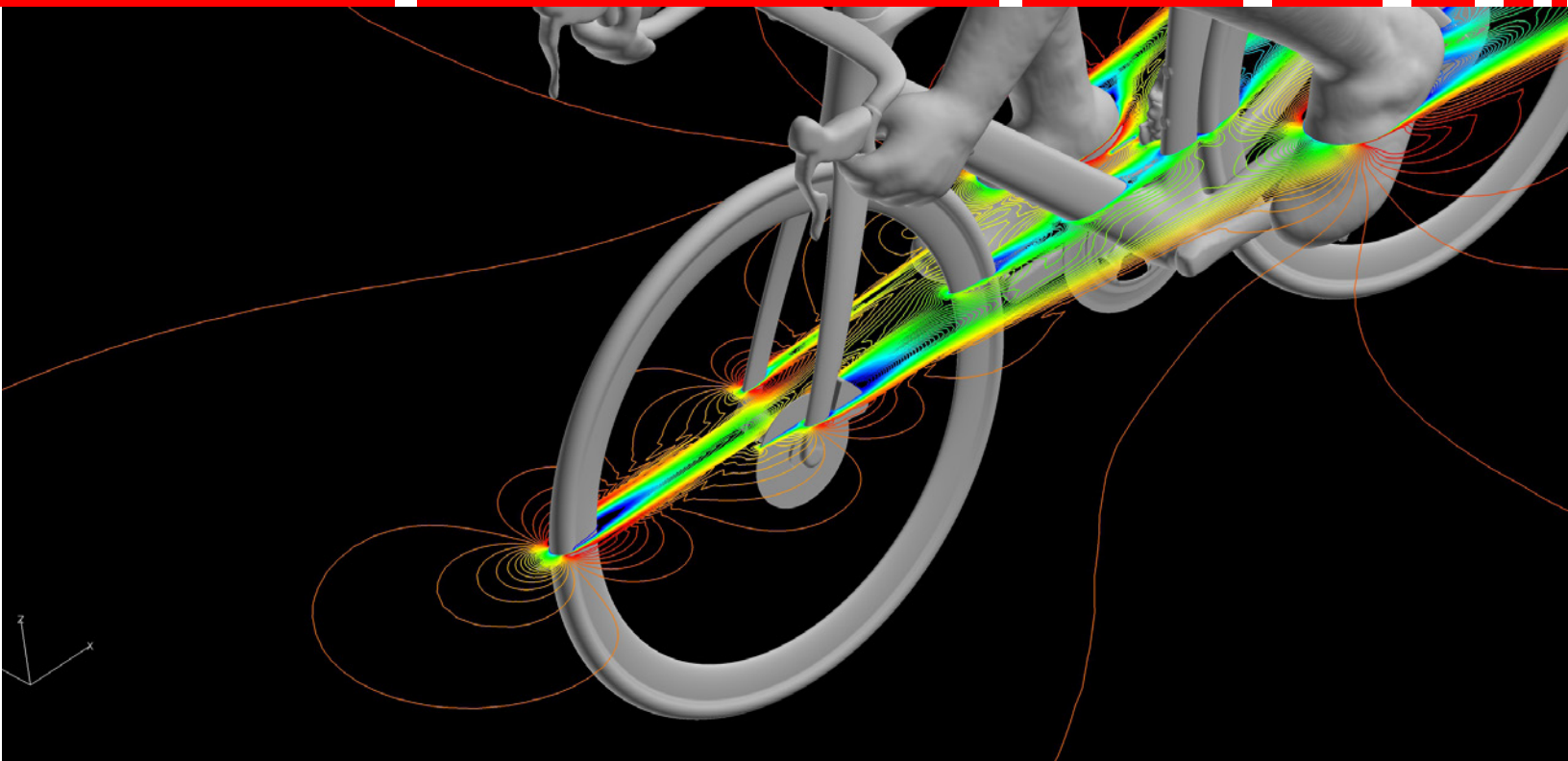




SOME WILL WONDER WHY WE DECIDED TO OFFER THE NITROGEN IN A DISC ONLY VERSION FOR 2019. HERE IS WHY:

The improved fork shape and carbon lay-up along with the use of a DT swiss type 12mm Thru-Axle **BRING AN 80% INCREASE IN LATERAL STIFFNESS VS THE 2018 NITROGEN PRO WITH THE SAME COMFORT LEVEL** making the bike more responsive in sprints and climbs while eliminating chances of the front brake pads rubbing on the wheel.

IT'S THE WAY OF THE FUTURE. FULL STOP.



DISC BRAKE AERO PENALTY IS IMPERCEPTIBLE.

Less than 2W at 45km/h and 0° yaw and no effect at yaws higher than 5°. This is due in part to an improvement of the fork legs profile to obtain a better flow. The removal of rim brakes also brings better flow around the junction between fork and downtube.

The use of disc brakes enables better tire clearance.

THE NEW NITROGEN DISC FRAME IS NOW COMPATIBLE WITH 28C TIRES FOR BETTER COMFORT.

These plus the fact that disc brakes are more effective than rim brakes in all weather conditions made it an easy choice for us to make. So, here it is, the Nitrogen Disc a thoroughly modern bike with an eye to the future.

As explained earlier, **WEIGHT IS NO LONGER AN ISSUE IN HIGH PERFORMANCE DISC BRAKE AERO BIKES.**



HIGH PERFORMANCE CARBON MONOCOQUE FRAME
 VERY STIFF YET LIGHT, IT OFFERS ALL THE ADVANTAGES OF DISC BRAKES WITH NO WEIGHT COMPROMISE.

DT SWISS TYPE 12MM THRU-AXLE
 CLEAN, SIMPLE, LIGHT AND STURDY



IMPECCABLE HANDLING
 SUPERIOR DOWNHILL STABILITY AND HANDLING



3D SYSTEM
 EXTENDS POSITIONING FLEXIBILITY BY OFFERING 3 HEAD TUBE HEIGHTS FOR EVERY FRAME SIZE WITHOUT SACRIFICING ANY RIGIDITY; SYSTEM PRESERVES 5% AND 11% MORE INCREMENTAL FRONTAL RIGIDITY VS. STANDARD SPACERS WHEN THE HANDLEBAR IS SET AT 15MM AND 25MM RESPECTIVELY



AERO CARBON SEAT POST
 LIGHT AND EASILY ADJUSTABLE



REPLACEABLE REAR DERAILLEUR HANGER
 OPTIONAL DIRECT MOUNT HANGER SUPPLIED



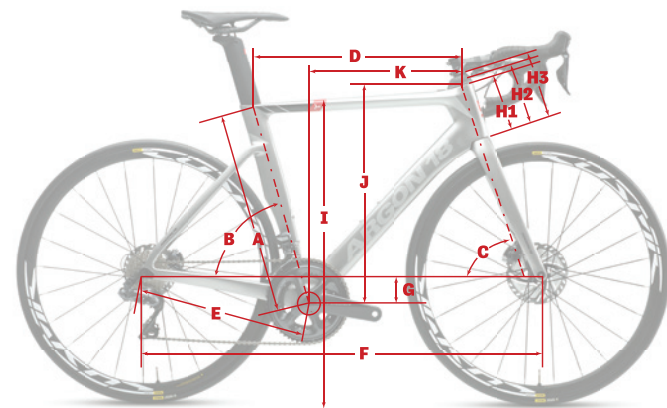
FLAT-MOUNT DISC BRAKES
 ENSURING BETTER BRAKING IN ALL CONDITIONS



- 1 Compressor
- 2 Top cap (including O-ring & seal)
- 3 Micro spacers
- 4 Compression ring
- 5 Bearing
- 6 3D bearing holder
- 7 Plastic sleeve (no need for 0mm setup)
- 8 Top cap for 0mm setup



UP TO 28C (30MM) TIRE CLEARANCE
 FOR MAXIMUM COMFORT AND COMPATIBILITY



GEOMETRY

SIZE CLASSIC		XXS 44-46	XS 47-50	S 51-53	M 54-56	L 57-59	XL 60-62
A Seat Tube Height	cm		43.0	48.5	51.5	56.5	59.5
B Seat Tube Angle	deg		74.5	74.0	73.5	73.0	72.5
C Head Tube Angle	deg		72.0	72.7	72.7	72.7	73.0
D Top Tube Length*	cm		51.9	53.8	55.6	57.5	59.5
E Chainstay Length	cm		41.3	41.3	41.3	41.5	41.5
F Wheelbase	cm		97.3	98.3	99.6	101.3	102.4
G BB Drop	cm		7.0	7.0	7.0	7.0	7.0
H1 HeadTube Length	cm		8.1	10.9	14.1	16.2	18.8
H2 (+ 15mm 3D)	cm		9.6	12.4	15.6	17.7	20.3
H3 (+ 25mm 3D)	cm		10.6	13.4	16.6	18.7	21.3
I Standover Height†	cm		70.8	75.4	78.3	82.3	84.9

* Horizontal Top Tube Length † Measured with 700x28c tires

FIT (STACK AND REACH)

J Stack	cm	48.7	51.6	54.6	56.6	59.2
K Reach	cm	38.3	39.0	39.4	40.2	40.9
J (15mm 3D)	cm	50.1	53.0	56.1	58.1	60.6
K (15mm 3D)	cm	37.8	38.5	38.9	39.7	40.4
J (25mm 3D)	cm	51.1	54.0	57.0	59.0	61.6
K (25mm 3D)	cm	37.5	38.2	38.6	39.4	40.1
Saddle Height Min.†	cm	53.0	58.5	61.5	66.5	69.5
Saddle Height Max.†	cm	75.0	80.5	83.5	88.5	91.5

† Measured From Middle of BB to Top of Saddle Along Seat tube

FRAMESET CHARACTERISTICS

AERO	-	+
COMFORT	-	+
STIFFNESS / RESPONSIVENESS	-	+
LIGHTNESS	-	+

Frame Weight: 948g* Max Tire Size: 28C (30mm) BB Standard: BB86
 Fork Weight: 378g Max Rim Size: N/A
 * Medium size frame, painted with no small parts



**NITROGEN DISC:
AN ARGON 18 RACE
GEOMETRY THROUGH
AND THROUGH.**

The 2019 Nitrogen Disc has essentially retained the same geometry that proved a winning formula for the previous generation Nitrogens and all of our race bikes for that matter. Our only real modification to that geometry was to make the chainstays a little longer as we do on all our disc brake road bikes.

Disc brake wheel hubs are wider than their rim brake counterparts making this modification mandatory to ensure the best possible chain line and reduce "cross-chaining" possibilities.

NITROGEN DISC

RECOMMENDED BUILD OPTIONS

FRAMESET			
FRAME	ARGON 18 Nitrogen Disc	FORK	ARGON 18 Nitrogen Disc
SEATPOST	ARGON 18 Aero Carbon	HEADSET	FSA 39 + 3D 1" 1/2

COMPLETE BIKE SPECS*	SHIMANO ULTEGRA Di2	SHIMANO ULTEGRA
FRAMESET <i>(Including frame, fork, headset and seatpost)</i>	ARGON 18 Nitrogen Disc	ARGON 18 Nitrogen Disc
BOTTOM BRACKET	SHIMANO BB Press Fit SM-BB72-41B	SHIMANO BB Press Fit SM-BB72-41B
GROUPSET	SHIMANO Ultegra Di2 R8050 (braze on)	SHIMANO Ultegra R8000 (braze on)
CRANKSET	SHIMANO Ultegra R8000 52/36	SHIMANO Ultegra R8000 52/36
CHAIN	SHIMANO Ultegra HG700	SHIMANO Ultegra HG700
CASSETTES	SHIMANO Ultegra R8000 11/28	SHIMANO Ultegra R8000 11/28
SHIFTERS/BRAKE LEVERS	SHIMANO Ultegra Di2 R8070	SHIMANO Ultegra R8000
ROTOR	SHIMANO RT800 FR: 160mm / RR: 140mm	SHIMANO RT800 FR: 160mm / RR: 140mm
STEM	FSA Energy alloy	FSA Energy alloy
HANDLEBAR	FSA Energy Compact alu	FSA Energy Compact alu
SADDLE	PROLOGO Zero II (Nack)	PROLOGO Zero II (Nack)
WHEELS	MAVIC Cosmic Elite Disc CL	MAVIC Cosmic Elite Disc CL
THRU AXLE	ARGON 18 (by DT SWISS) FR: 12mm x 100 RR: 12mm x 142	ARGON 18 (by DT SWISS) FR: 12mm x 100 RR: 12mm x 142
TIRES	VITTORIA Rubino Pro G+ 700x25	VITTORIA Rubino Pro G+ 700x25

*Specifications are subject to change without notice.



ARGON 18



 **ARGON 18**

**BREAK
AWAY**