



**Vélo officiel de Planet Energy  
Racing Pro Cycling Team dirigée  
par Steve Bauer**

Avec cette génération de Gallium, Argon 18 repousse ses orientations de design encore plus loin. Partageant le même moule que le nouveau Gallium, la version Pro bénéficie des innovations technologiques de ce dernier, tout en étant à la fois 17% plus léger et de près de \*% plus rigide.

**Tige de selle ASP6500.**

- Réversible, elle permet une position régulière de routier ou celle spécifique au triathlon avec un angle de tige de selle effectif jusqu'à 80°.
- Les réglages de la selle-recul et angle-se font indépendamment par deux mécanismes distincts
- Dimension: 31,6



**Carbone 6600 HM Nano-Tech**

Like the 6003 HM composite used in the Gallium, 6600 HM was conceived to maximize the advantages arising from the varying tube section diameters throughout the frame. This very high-modulus composite has sufficient strength to let us build a frame that is not only 6% lighter than the 2008 Gallium, but substantially stiffer as well, particularly in the bottom bracket and rear triangle. The 6600 HM fiber mix also allows enough compliance to ensure comfort and a lively response that are immediately noticeable on the first ride.



**3D**

**3D Headtube\*** is a structural extension of the headtube. It keeps the headset bearings close to the stem, maximising rigidity and steering accuracy even when the rider chooses an upright position. With its stiffness intact, the stem/bar combination favors hard accelerations. Three positions are available: 0mm, 10mm and 20mm.



**GA<sup>31</sup>**

**Argon 18 Ga 31 Pro fork**

- Carbon monocoque fabrication with carbon steerer.
- Built around a 1 1/4 headset, the new Ga 31 Pro fork is designed to enhance the Gallium Pro's characteristics; vertical compliance has been tweaked in order to ensure maximum comfort at any speed.
- At 356 grams the Ga31 Pro fork is 5% lighter than the regular Gallium's fork. Still, it is laterally very rigid, which translates to clean, accurate steering, even at high speed.



**HDS**

**Horizontal Dual System:** Tube size, shape, and wall thickness as well as composite formulation vary according to the intended design objectives. Maximum lateral rigidity in the lower portion of the frame: chainstays, downtube, bottom bracket area and headtube. Optimized vibration damping in upper portion: top tube, seatstays. Explosive acceleration and comfort in all conditions.

**S3**

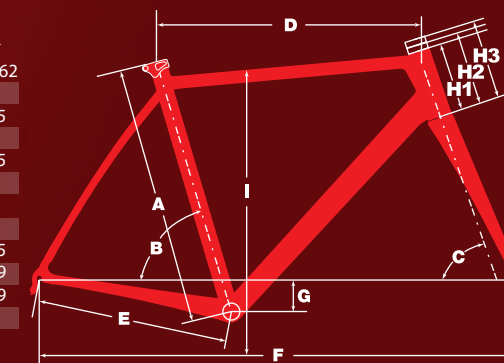
**Internal S3:** the S3 principle, applied internally. Reinforcements inside the frame vary according to frame size, putting extra material only where necessary, reducing needless weight while improving stiffness for a complete power transfer.

**ARGON FIT SYSTEM**

The AFS is the standard frameset geometry for all of our bikes. Seat tube angles, top tube length, head tube length and total bike length are carefully determined on each frame size. This is why Argon 18 bikes are more comfortable, more stable, maximizing the rider's potential.

Size	XXS*	XS*	S*	M*	L*	XL*
Classic	44-46	47-50	51-53	54-56	57-59	60-62
A cm	43	46.5	51.3	55	57.5	60
B deg	75.5	74.5	74	73.5	73	72.5
C deg	71	72	72.7	72.7	72.7	73
D cm	50	52	54	55.6	57.5	59.5
E cm	40.6	40.6	40.6	40.8	41	41
F cm	96.3	96.7	97.6	98.9	100	101
G cm	7	7	7	7	7	7
H1 cm	9.0	10.0	12.3	14.7	17.3	19.5
H2 cm	10.4	11.4	13.7	16.1	18.7	20.9
H3 cm	11.4	12.4	14.7	17.1	19.7	21.9
I cm	66.8	69.4	74	76.8	79.6	81

\* Sloping Top Tube  
Weight : 940g (Medium frame only) Fork 356g



\* patent pending



## HDS

**Horizontal Dual System:** Tube size, shape, and wall thickness as well as composite formulation vary according to the intended design objectives. Maximum lateral rigidity in the lower portion of the frame: chainstays, downtube, bottom bracket area and headtube. Optimized vibration damping in upper portion: top tube, seatstays. Explosive acceleration and comfort in all conditions.

## GA<sup>31</sup>

### Argon 18 Ga 31 fork

- Carbon monocoque fabrication with a carbon steerer: the Ga31 fork is exclusive to Argon 18 and furthers the frame's design objectives.
- As with the frame, vertical compliance and lateral rigidity are perfectly balanced.
- Technically, its design concept revolves around an enlarged crown area, using a rugged 1 1/4 size headset that increases stability, particularly at high speed.

## 3D

**3D Headtube\*** allows for three effective headtube lengths per frame size, for a more upright, relaxed position without reducing the frame's rigidity. Three positions are available, 0mm, 10mm or 20mm. Rider position can evolve over time, without affecting the frame's characteristics.

**Integrated design:** complementary fork and seatstay design. The Ga31 monocoque carbon fork is an Argon 18 exclusive. It is designed to enhance the frame's intrinsic characteristics. Its vertical compliance and lateral stiffness complement the rear triangle's properties perfectly, giving the Gallium a unified, "all of a piece" feel, capable of powerful, immediate accelerations.

## The result of our ongoing quest for optimal balance and maximum performance

The new Gallium is a worthy successor to the original and refines a number of its design concepts. Built to shine in every setting, the 2009 Gallium is the perfect ride for those seeking to maximize their performance potential and achieve their goals.



### Carbone 6003 HM Nano-Tech

While developing the mold for the new Gallium, we set out to determine the most appropriate carbon composite to fulfill the new frame's design objectives. Starting with the finest fibres and a very high-density resin, this composite had to achieve two main performance objectives:

- 1) The material and layup had to maximize resistance to torsional stresses, such as those occurring when climbing out of the saddle or during sudden, brutal accelerations in a big gear.
- 2) The composite had to fully preserve the vibration absorbing qualities that trade magazine reviewers and many knowledgeable riders found so remarkable in the original Gallium. This goal has been achieved, with the lateral rigidity of the new frame improved by 8%.



### Tige de selle ASP6000.

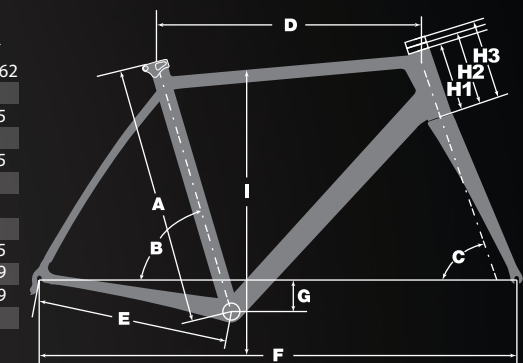
- Réversible, elle permet une position régulière de routier ou celle spécifique au triathlon avec un angle de tige de selle effectif jusqu'à 80°.
- Les réglages de la selle—recul et angle—se font indépendamment par deux mécanismes distincts
- Dimension: 31,6

## ARGON FIT SYSTEM

The AFS is the standard frameset geometry for all of our bikes. Seat tube angles, top tube length, head tube length and total bike length are carefully determined on each frame size. This is why Argon 18 bikes are more comfortable, more stable, maximizing the rider's potential.

Gallium	XXS*	XS*	S*	M*	L*	XL*
Classic	44-46	47-50	51-53	54-56	57-59	60-62
A cm	43	46.5	51.3	55	57.5	60
B deg	75.5	74.5	74	73.5	73	72.5
C deg	71	72	72.7	72.7	72.7	73
D cm	50	52	54	55.6	57.5	59.5
E cm	40.6	40.6	40.6	40.8	41	41
F cm	96.3	96.7	97.6	98.9	100	101
G cm	7	7	7	7	7	7
H1 cm	9.0	10.0	12.3	14.7	17.3	19.5
H2 cm	10.4	11.4	13.7	16.1	18.7	20.9
H3 cm	11.4	12.4	14.7	17.1	19.7	21.9
I cm	66.8	69.4	74	76.8	79.6	81

\* Sloping Top Tube  
Weight : 1100g (Medium frame only) Fork 374g



\* patent pending

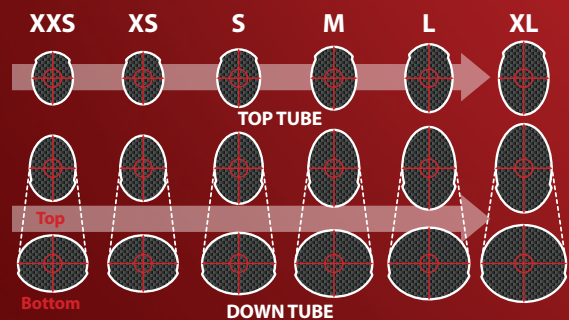


## 100% monocoque carbon frame

A frameset offering a more unified feel and greater mechanical efficiency. 5600 HM Carbon composite: High Modulus fibers are very effective at damping vibration, for greater comfort while maintaining sufficient stiffness for top-shelf performance.



**Size Specific Specs:** The S3 design means down tube and top tube diameters vary with frame size, enhancing the natural qualities of monocoque construction and thus maintaining the ideal balance between rigidity and a lively feel.



## Carbone 5600 HM Nano-Tech

This carbon formulation was introduced in 2007 and was used in building the Krypton, optimizing its monocoque S3 construction process.

- Composed only of high-modulus fibers, 5600 HM emphasizes rigidity and gives the bike a solid, unified, perfectly aligned feeling in sprinting or surging accelerations. No flinching under pressure here.

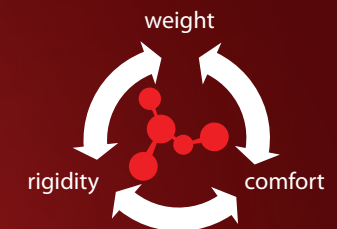
- This rock-steady quality doesn't undermine comfort, however, thanks to a very careful layup schedule that laminates fiber layers differently in every frame section so as to maintain vertical compliance where needed.



## KR36

*Fork and rear triangle designed to work together*

- Kr36 fork: 100% carbon, including carbon steerer.
- The frame and matching KR36 fork are designed to work as a unit. They are made in our exclusive CNC-machined molds using complementary materials.
- All design objectives are fully realized, frame and fork work as a complete unit.
- The Kr36 fork's composite laminate offers greater front end stiffness for predictable handling through the tightest line even at very high speeds.
- The rear triangle distorts very little under full power; all energy applied to the crankset is transferred to the rear wheel.



*The optimal balance between rigidity, comfort and light weight*

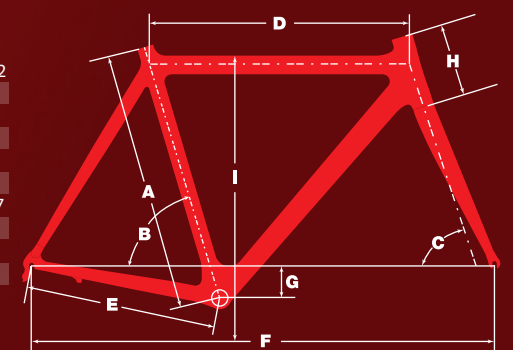
- The frame/fork combination creates a feeling of solidity and precision on the road that will satisfy even the most discriminating riders.
- Thanks to their monocoque construction, the headtube and main triangle ensure maximum lateral stiffness: power transfer is complete.
- In static deformation tests using weights, the bottom bracket area stands up to even very heavy loads without flexing.
- What the numbers don't reveal: the most important things. The feeling of comfort, stability and control experienced when riding the Krypton is something that simply can't be quantified.

## ARGON FIT SYSTEM

The AFS is the standard frameset geometry for all of our bikes. Seat tube angles, top tube length, head tube length and total bike length are carefully determined on each frame size. This is why Argon 18 bikes are more comfortable, more stable, maximizing the rider's potential.

Krypton	Size	XXS*	XS*	S	M	L	XL
Classic	A	44-46	47-50	51-53	54-56	57-59	60-62
	B	41.5	46	51	57	60	63
	C	75.5	75	74	73.5	73.15	73
	D	71	72	73	73	73	73.5
	E	50	52	54	55.5	57	58.5
	F	40.6	40.6	40.6	40.8	41	41
	G	96.5	96.7	97.2	98.5	100	100.7
	H	7	7	7	7	7	7
	I	67.3	70	74.6	78.5	81.2	84.1

\* Sloping Top Tube  
Weight: 1225g (Medium frame only) Fork 485g





**The Radon is a proven, efficient bike in any situation. Combining aluminum and carbon, this frameset is race-ready.**

The Radon is a proven, efficient bike in any situation. Combining aluminum and carbon, this frameset is race-ready.

## NEW FRAME

The Radon's frame has been completely redesigned as a result of knowledge acquired during the development work for the Gallium. Vertical



### Triple-buttressed aluminum main triangle

- Triple-buttressed aluminum tubes in the main triangle allow for a lighter structure while keeping the tubes' mechanical properties intact.
- Top and seat tube shape and size are optimized according to the HDS principle, an Argon 18 exclusive.
- These extruded, multi-shaped tubes are rarely used in the cycle market; their exceptional stiffness makes for quick response to accelerations.



## RN86

**Something seldom found in this market segment, the Rn86 frame and fork have been designed to work as a unit**

- Rn86 100% carbon rear triangle: very good vibration damping, for all-day comfort even on rough roads, combined with properly proportioned lateral rigidity, very responsive to sudden accelerations.
- Rn86 fork: an well-matched blend of lateral stiffness and vertical compliance for the frame and its intended use, keeping the rider comfortable and efficient, even during long rides.power transfer.

## HDS

### Horizontal Dual System:

- For over ten years now, the Horizontal Dual System has ensured that the top part of our frames absorb vibration while the lower section fully delivers power to the rear wheel.
- Dividing the frame into two horizontally segmented parts reduces frame weight significantly. Compared to a frame built with conventional tubes, weight can be reduced by as much as 20% while retaining all the stiffness and stability of a heavier frame.

## ARGON FIT SYSTEM AFS

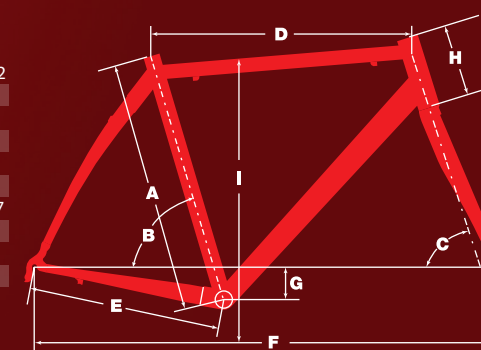
- The Argon Fit System is an optimized cycle geometry that facilitates rider positioning. AFS ensures:
- Easy positioning and ideal ergonomics for riders of all sizes.
- Optimal handling characteristics in all frame sizes.

## ARGON FIT SYSTEM

The AFS is the standard frameset geometry for all of our bikes. Seat tube angles, top tube length, head tube length and total bike length are carefully determined on each frame size. This is why Argon 18 bikes are more comfortable, more stable, maximizing the rider's potential.

Radon	XXS*	XS*	S*	M*	L*	XL*
Size	43-46	47-50	51-53	54-55	57-59	60-62
Classic	43-46	47-50	51-53	54-55	57-59	60-62
A cm	41	46	51	54	57	60
B deg	75.5	75	74	73.5	73	72.5
C deg	71	72	72.7	72.7	72.7	73
D cm	50	52	54	55.5	57.5	59.5
E cm	40.6	40.6	40.6	40.8	41	41
F cm	96.1	96.7	97.2	98.5	100	100.7
G cm	7	7	7	7	7	7
H cm	9.8	10.8	12.8	15.6	18.2	21
I cm	66.4	69.4	74.5	77	80	82

\* Sloping Top Tube  
Weight: 1375g (Medium frame only) Fork 485g





### The E-114 is a model of integrated design

A fully unified design, the E-114 frameset includes the frame, fork, headset, bullhorn bars and aerobar extensions as well as the brakes and brake levers. These components were designed to work together; using the complete setup maximizes the aerodynamic and ergonomic advantages inherent in the design.



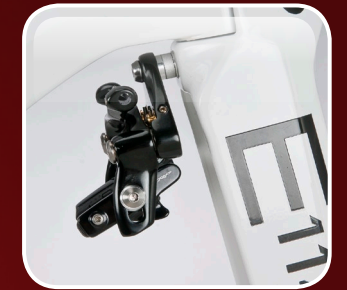
The E-114's innovative and exclusive design has won Argon 18 the prestigious Eurobike Award. The bike also received the Institut Design Montréal's hotly-contested Industrial Design Award. The E-114 is a striking example of Argon 18's capacity for innovation as well as its will to push the envelope in the field of bicycle design.



### Carbone 6600 HM Nano-Tech

6006 HM includes only the best unidirectional high-modulus fibers. Developed as part of project Element 114, this formulation is custom-tailored for our new time-trial bike, the spectacular E-114, winner of both Institut Design Montréal's award for best design as well as a Eurobike Design Award.

Rigidity is optimized in the bottom bracket and rear triangle. 6006 HM enhances frameset stability; this means pinpoint steering accuracy through the tightest line, even in an aero tuck position and at very high output levels. The ONEness concept and the increased synergy and unity between athlete and machine are largely feasible thanks to 6006 HM's specific properties.



## ONEness

### ONEness Concept

ONEness is a new time-trial cockpit/front end developed by Argon 18. ONEness means an unprecedented merger between rider and machine resulting from a complete rethinking of the bike's front end and control interfaces.

### Completely faired front brake

The front brake, in its usual exposed position, disrupts airflow around the front of the bike. Here, the brake is mounted behind the fork and fork shape is designed to completely hide the brake from the wind and let the air flow past it, eliminating turbulence and drag.

## AHB5000

A new interface between athlete and machine. The new AHB5000 aerobar/bullhorn bar combination is completely integrated with the fork. The entire unit is made of HM carbon (including armrests) in exclusive Argon 18 molds. Fully adjustable, it's installed directly on the fork fairing, eliminating the need for a stem. This setup adapts to the rider, fostering an increased unity between rider and machine, ergonomics and aerodynamics.

## E114

### The E-114 fork

While a conventional fork remains essentially an articulated structural component that steers the bike, the E-114 fork also acts as a forward structural fairing, masking the conventional headset completely and smoothing the airflow around this part of the bike.

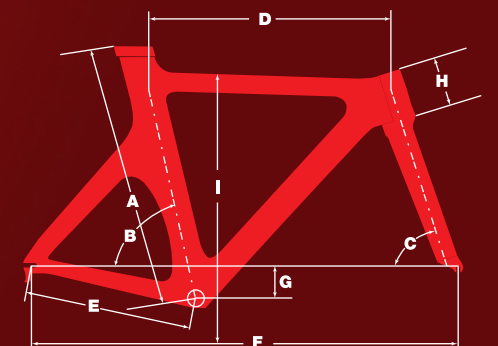
The upper fairing and spacers are made of CNC-machined aluminum alloy.

## ARGON FIT SYSTEM

AFS tri/T.T. A unique, adapted geometry, with razor-sharp steering and unparalleled stability, even in situations where it is impossible to stay on the tribar extensions with other bikes. Every dimensional aspect of the bike has been defined in order to maximize bike control, at extreme levels of exertion.

E-114 Size	XS*	S	M	L
Classic	47-50	51-53	54-56	57-60
A cm	49.5	55.5	59	61
B deg	76	76	76	76
C deg	72.5	72.5	72.5	72.5
D cm	52	53.5	54.7	56
E cm	40	40	40	40
F cm	96.9	98.3	99.6	101.1
G cm	7	7	7	7
H cm	8.5	9.5	11.4	13.8
I cm	71.5	75.9	77.9	80.4

\* Sloping Top Tube  
Weight: 1425g (Medium frame only) Fork 595g





**Ridden by Samantha McGlone,  
2006 Ironman 70.3 World  
Champion**

A product of the E-114 development process, the E-112 is a remarkably stable and exceptionally aerodynamic racing machine.



**2  
WAY  
POST**

**ASP4000 reversible seatpost.**

78 or 76-degrees effective seat tube angle. Fore-aft and saddle angle settings adjust independently, even very subtle changes are easily achieved.



**Carbone 5606 HM Nano-Tech**

Another formulation developed in the context of project Element 114, 5606 offers properties similar to those of 6006, used in building the E-114.

5606 results from laminate testing carried out in the course of Element 114 and meets the very stringent requirements for manufacturing tubes and sections having a pronounced aero profile. The inherent vibration-absorbing qualities of 5606 HM lend extra comfort and stability to both the frame and fork.



**Rigidity = efficiency**

The E-112 fork's resistance to lateral deflection matches that of the frame, as they were engineered to work together. Combined, they amount to the stiffest frameset available, guaranteed to deliver maximum efficiency in translating rider input into speed.

**ARGON FIT SYSTEM AFS**

AFS Geometry: extra-stable time-trial version

• Even without the ONeness concept, the E-112's front center and overall wheelbase dimensions remain identical to the E-114's.

• The E-112 thus offers a stable platform for accurate and predictable handling even on the tribars at extreme levels of effort.

• The E-112 and E-114's other dimensions are also identical: in each of the four sizes offered, the headtube height lets every rider readily find the correct position, based on the individual's optimal hip angle, and according to the individual's physical flexibility.

**E112**

• The E-112 is constructed in the same mold used for building the E-114. Both bikes thus share the same shapes, apart from the fork. However, the pronounced ridges on the E-112 fork allow the maximum possible aerodynamic integration with the frame and rider, with a conventional headset and handlebar configuration.

• As measured in the wind tunnel, here are the aero gains, compared to the E-80, twice a world triathlon championship winning bike:

• 5% into a on-axis headwind and an average of 13% improvement in sidewinds.

**Cheating the wind:** the E-112 is built in the same mold used in making the E-114.

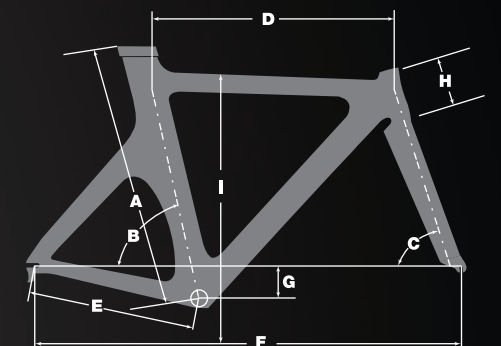
**Aero gains over conventional tri/T.T. frames:** 5% against a headwind, an average of 13% in a sidewind.

**ARGON FIT SYSTEM**

AFS tri/T.T. A unique, adapted geometry, with razor-sharp steering and unparalleled stability, even in situations where it is impossible to stay on the tribar extensions with other bikes. Every dimensional aspect of the bike has been defined in order to maximize bike control, at extreme levels of exertion.

E-112 Size	XS*	S	M	L
Classic	47-50	51-53	54-56	57-60
A cm	49.5	55.5	59	61
B deg	76	76	76	76
C deg	72.5	72.5	72.5	72.5
D cm	52	53.5	54.7	56
E cm	40	40	40	40
F cm	96.9	98.3	99.6	101.1
G cm	7	7	7	7
H cm	8.5	9.5	11.4	13.8
I cm	71.5	75.9	77.9	80.4

\* Sloping Top Tube  
Weight : 1550g (Medium frame only) Fork 450g





## The E-80 is the successor to the highly vaunted Mercury

Its performance capabilities are by now well established and have set a real benchmark in the demanding disciplines of time-trial racing and triathlon.

The E-80, as the Mercury, has been ridden to many podium places all over the world and has greatly helped establish Argon 18 as a major player in this field.

## NEW FRAME

The E-80 has been completely redesigned in a quest for yet more speed: triple butted aluminum frame, new carbon fork, internal cable routing.



### Triple-butteted aluminum

- Triple-butteted aluminum tubes in the main triangle allow for a lighter structure while keeping the tubes' mechanical properties intact.
- Top and seat tube shape and size are optimized according to the HDS principle, an Argon 18 exclusive.
- These extruded, multi-shaped tubes are rarely used in the cycle market; their exceptional stiffness makes for quick response to accelerations.



### ARGON FIT SYSTEM AFS

**AFS tri/T.T. geometry:** as with the E-114 and E-112, the E-80's geometry takes into consideration the specific physical characteristics imposed by the tri/time trial position. Riders will find it easy to set up the correct aero position with the E-80.

### HDS

**Horizontal Dual System:** For more than ten years now, the Horizontal System has ensured that the top part of our frames absorb vibration while the lower section fully delivers power to the rear wheel.

- The large aero-profile surfaces have not been implemented at the expense of comfort or light weight; the E-80 remains very responsive and comfortable.
- Dividing the frame into two horizontally segmented parts reduces frame weight significantly. Compared to a frame built with conventional tubes, weight can be reduced by as much as 20% while retaining all the stiffness and stability of a heavier frame.



### 2 way post

**ASP4000 reversible seatpost.** 78 or 76-degrees effective seat tube angle. Fore-aft and saddle angle settings adjust independently, even very subtle changes are easily achieved.

### E80

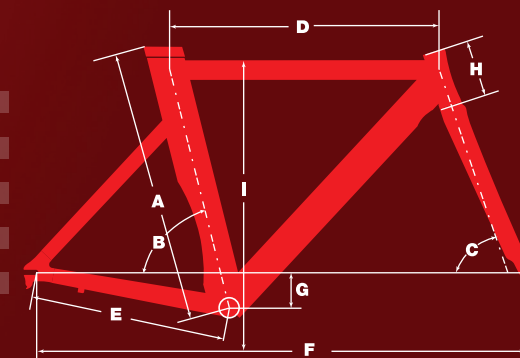
**E80 carbon fork:** new aero carbon fork allows for brake installation either in front or hidden from the airflow, behind the fork.

### ARGON FIT SYSTEM

AFS tri/T.T. A unique, adapted geometry, with razor-sharp steering and unparalleled stability, even in situations where it is impossible to stay on the tribar extensions with other bikes. Every dimensional aspect of the bike has been defined in order to maximize bike control, at extreme levels of exertion.

E-80 Size	XS*	S	M	L
Classic	47-49	50-53	54-56	57-60
A cm	46	53	55	57
B deg	76	76	76	76
C deg	72.5	72.5	72.5	72.5
D cm	52	53.5	54.5	56
E cm	40	40	40	40
F cm	96.9	98.3	99.6	101.1
G cm	7	7	7	7
H cm	8.5	9.5	11.4	14
I cm	69.5	74.7	76.6	79

\* Sloping Top Tube  
Weight : 1650g (Medium frame only) Fork 495g





## The Electron is a full-blown track racing frameset

Ideal for the Madison, points race or sprint. The wheelbase is tight and the frame is stiff...very stiff.

## CARBON MONOCOQUE FORK

The Electron comes equipped with an ultra-rigid monocoque carbon fork

Because the Electron is a true track racing bike, no provision has been made for mounting a brake.



### Triple-butted aluminum frame

- Triple-butted aluminum tubes in main triangle for reduced weight while retaining all desirable dynamic properties.
- Top and seat tube shape optimized according to the HDS principle, an Argon 18 exclusive.



## ARGON FIT SYSTEM AFS

- The Argon Fit System is an optimized cycle geometry that facilitates rider positioning. AFS ensures:
- Easy positioning and ideal ergonomics for riders of all sizes.
- Optimal handling characteristics in all frame sizes.
- Track-specific wheelbase: varies with frame size in order to increase steering quickness/accuracy and enhance the bike's manoeuvrability.

XS	S	M	L
92,2	93,7	94,7	96,1

- Bottom bracket height for track use: on the Electron, the bottom bracket shell is 2.5 cm higher than on a road bike, offering more pedal clearance and improving handling on steeply-banked velodromes.

**Attention to details:** CNC-machined rear dropouts with stainless steel inserts for increased wear resistance against highly-torqued track axle bolts. Smooth weld fillets improve the mechanical characteristics of frame junctions for added strength and durability.

## EL99

Fork and rear triangle designed to work together on the track.

As with every Argon 18, the Electron frame and fork were developed together to work as one on the velodrome; both components contribute to the bike's outstanding performance and explosive character.

- The carbon monocoque EL99 fork is extremely rigid and stays true even in the most demanding track conditions. Note that this is a true track-only fork; a front brake cannot be mounted on this fork.

- Seat tube cutout makes for shorter stays, enhancing rigidity and manoeuvrability.

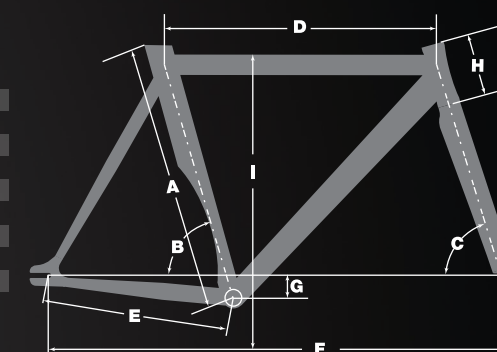
**Triple-butted aluminum frame:** main triangle built with triple-butted aluminum tubes, stout at the tube ends for maximum strength and stiffness and thin in the middle for minimal weight. Top and down tube shape and size optimized following the AFS principles, ideal for high-power sprinting and standing starts.

## ARGON FIT SYSTEM

AFS track version: genuine track geometry, with short wheelbase, increased bottom bracket clearance and aggressive, upright seat and head tube angles. The Electron is a bike with lightning-quick reflexes and incredible agility.

Electron Size	XS*	S	M	L
Classic	46-49	50-53	54-56	57-59
A cm	41	51	54	57
B deg	76	75	74.5	74
C deg	74	74.5	74.5	74.5
D cm	50	52	54	56
E cm	38.3	38.3	38.3	38.3
F cm	92.2	93.7	94.7	96.1
G cm	4.5	4.5	4.5	4.5
H cm	9	10	12.5	15
I cm	67	75.5	78	80.3

\* Sloping Top Tube  
Weight: 1495g (Medium frame only) Fork 395g







**The Arsenic is specially dedicated to that increasingly popular discipline, cyclocross**

Argon 18 set out to design a high-end frameset that would fulfill all the needs of cross racers. We think we've scored a hit.

**100% CARBON FRAME**

**100% carbon frame with As33 full-carbon monocoque fork.** The Arsenic's specific composite formulation emphasizes ruggedness and stiffness throughout the frame, particularly around the bottom bracket area.



**Carbone 3050 HT Nano-Tech**

We have developed this composite especially for the Arsenic. With 'cross being so demanding of both rider and equipment, it is imperative that the composite formulation should emphasize rigidity and strength.

• 3050 HT embodies all the qualities of 3000 HT, but with an added element of stiffness and ruggedness.

• In the context of 'cross, the notion of comfort may seem at odds with the nature of the sport but 3050 combines well-oriented stiffness with just enough compliance to reduce rider fatigue on rough terrain.



**ARGON FIT SYSTEM AFS**

**For the Arsenic, the AFS geometry has been modified to suit cross racing:**

- Bottom bracket height is 1cm higher than on our road bikes for increased obstacle clearance.
- Wheelbase is longer for an extra measure of stability on rough terrain.
- Wheelbase measurement, per frame size:

XS	S	M	L
99,2	100,2	101,4	102,6



**AS33**

**Fork and rear triangle designed to work together on the 'cross course**

- This frame and its matching As33 fork are designed to work as a unit. They are made in our exclusive CNC-machined molds using complementary materials, with the same performance criteria in mind.
- The rear triangle design offers plenty of clearance around the bottom bracket and brake to avoid mud build-up.

**Lugged construction**

• Lugged construction is very reliable and presents an inherent quality: it naturally absorbs vibration. This makes it a excellent choice for building a cyclo-cross bike.

• Argon 18 uses only its exclusive carbon lugs. These are lighter and present better mechanical qualities than aluminum lugs. Staying with a single material gives the frame a better feel, because it makes for a more unified structure, compared to a frame of dissimilar materials.

**Cross-specific tube shapes**

• Top tube has flattened lower surface with cable routing to one side, for easy shouldering in running sections.

• Asymmetrical chainstays bolster bottom bracket rigidity.

**ARGON FIT SYSTEM**

AFS cross version: optimal balance for technical courses, geometry tailored to cross riding: longer wheelbase, increased bottom bracket clearance.

Size	XS*	S	M	L
Classic	48-50	51-53	54-56	57-59
A cm	49	54	57	60
B deg	75	74	73.5	73.15
C deg	72	73	73	73
D cm	52	54	55.5	57
E cm	43	43	43	43
F cm	99.2	100.2	101.4	102.6
G cm	6	6	6	6
H cm	11.5	12.7	15.6	18.5
I cm	73.1	76.8	79.5	82.2

\* Sloping Top Tube  
Weight : 1475g (Medium frame only) Fork 454g

