

NEW

bikes x frames x
components x accessories

Element

2013-2014

content

Element CONTENT
Element MISSION
ELEMENTECH

Bikes and Frames

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ELEMENT BIKE translates the need of the rider into the Highest-Quality product at best value.

The approach applied by **Element Bike Technic Co.** in creating superior products was to comprehend the demand of every end-user by means of Hand-On experience, Evaluation, Interactions and Collecting survey's from both core and casual riders.

We are not just creating a bike but products that serve our customer's needs.

Behind Element Bike Technic Co. are among the most experienced bicycle enthusiast in Asia. They are the people who are willing to take a **RIDE & SEIZE AN EXPERIENCE** with you.

ELEMENT BIKE is “**HAVING A GOOD FIT**”

The Five Important **ELEMENTs** to consider :

- **Geometry**, the **Soul** of the frame.
- **Rider**, the **Spirit** that conveys.
- **Location**, the **Sensation** of place.
- **Function**, the **Energy** that transpire.
- **Travel Time**, the **Momentum** that transcendences.

Just like a human being, a bike needs a **Soul, Spirit, Sensation, Energy** and **Momentum** into to divulge its aptitude.

The merging of these 5 schemes definitely response to **HAVING A GOOD FIT** when set at the right point in time.

This is what Element Bike Technic Co. is here for, trying to continuously offer riders with their choice of preference and assisting them in combining these 5 schemes to be set **Perfectly**. It not only assures the rider in the decision they make in choosing their bikes but also building their confidence in consistently riding their bikes regularly to keep them fit.

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ELEMENTECH™ – ELEMENT EXCLUSIVE TECHNOLOGY

ELEMENTECH™ For Frame Integration

These exclusive systems are found on Element Frames.

E.G.S.™ Equilibrium Geometry System

Element's Integration of balanced frame and geometries.

Frame Geometry is the essential parameter of good ride.

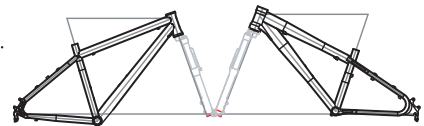
Element Frames position the rider in a way which is:

- Ideal for the intended purpose of the frame
- Efficient on the terrain conditions typically ridden by that frame
- Fit a range of body sizes

Tubing Shape is designed to translate the geometry and harmonize terrain feedback.

Element Tubing is created from the finest materials to be:

- Optimized in shape to resist the force demands created by the riding loads
- Tuned to absorb and filter undesirable ground inputs.



Oversize Head Tubes & Headset Bearings

Some **Element frames** use oversized head tubes with **oversized headset bearings**.

Headsets are **included** with every **Element frames** for assured reliability.

36-OS integrated Ø1-1/8" headset – for XC frames

Element-exclusive durable headset system:

- Oversize **machined** headtube system
- Oversize **large-ball 36°** ACB bearings (**36-OS**)
- Stronger and more durable than other integrated systems
- In 8 years, we have never seen a failure of a **36-OS** headset!



36-OS HS bearing



standard HS bearing

onepointfive
INTERFACE STANDARD

One Point Five (Ø1.5") Compatible Head Tube – for All-Mountain and Free Ride.

- **1point5** head-tube stiffens frame and eliminates head-tube ovalization
- Use with **any Ø1-1/8"** or **1point5** fork option

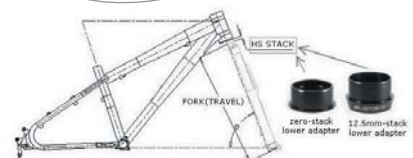
Fusion Reducer Headset – for 1point5 and Tapered forks

Reducer headset with

Fusion headsets

Adjustable ride-height

fusion



S.S.A™ Tapered Steerer Tube and Head Tube

The importance of integrating TAPER S.S.A. into ELEMENT frames is to offer rider supplementary permanence.

Three characteristic of a **TAPER S.S.A.:**

- **Strength** –The head-tube diameter is larger at the bottom which provides a greater surface area and allows a larger down tube which strengthens and stiffens the frame.
- **Stiffness** –Tapered Steerer Tubes has larger-diameter than traditional steerer tubes at the bottom, where stress is highest on the fork. This places more material where it's needed to counteract these forces, making a stronger and stiffer fork.
- **Aero Dynamics** –. The upper of the head-tube has a normal dimension. It not only save weight and be compatible with traditional stem sizes. But also decrease wind obstruction to boost speed.



C.F.N.™ Carbon Fibre Nano Technology

What makes **Element** Carbon frame exceptional?

Aside from applying the **CFNT** in all carbon frames, **Element's engineers** see to it that frames are designed in compliance with:

- Elementech™'s **Equilibrium Geometry System (E.G.S.)**
- Optimized Control for it's **Flexibility, Corrosion-Resistant** and **Strength.**
- Acquiescence to **LQR (Light, Quick and Responsive).**



BB30 Bottom Bracket

Reasons why ELEMENT bike offers frames with integrated BB30 :

- It is known for its attribute of being **Lighter, Stiffer** and **Low Power Loss**.
- Allows **An Oversize 30mm Spindle** which increases stiffness and reduces weight.
- **BB30** allows the use low-profile crank to **Maximize** the **A-Factor** (width between feet) for better ankle clearance and a more natural pedaling action.



ELEMENTECH™ For Fully Frames

A long-time coming, our Element **Fullys** started without pre-conceived notions.

Engineering for the Element Fullys frame was jointly conducted in **Germany** and **Canada**.

OSP Open-Source-Pivot

The Element Fully might look simple, but the **result** is every detail is considered and for a reason.

On a blank sheet of paper, we analyzed these key points:

- **Pivot Location**
- **Pedal Reaction**
- **Shock Rate**
- **Standover Height**
- **Maintenance**
- **Axel-Path**
- **Bump Reaction**
- **Lateral Stiffness**
- **Number of Pivots**

The surprising of this analysis lead to the most efficient conclusion:

A carefully positioned single main-pivot is the equivalent of multi-pivot design.

Introducing **Open-Source Pivot (OSP)**. No patents-applied nor license fees paid.



Fully-Specific E.G.S.™

Element's basic **E.G.S.** principles are the starting points for **all** our frames, because even the best suspension needs a suitable frame geometry.



A.S.A.P.™ Application-Specific Axle Path

One pivot location does not and cannot work for both XC / Short-Travel / FR / Long-Travel

Each model of **Element Fully** uses an **Application-Specific Axle Path (A.S.A.P.)**

because **rear-wheel axle-path** has a fundamental influence on the suspension kinematics.



Element-Specific Fox Shocks

As a final step, shock-performance can be optimized, instead of compensating for a poorly-conceived axle-path.

Element Fullys works with **Fox Racing Shox** to develop custom tuned **Float** and **DHX** air-shocks. Front forks are carefully selected from **Fox** to match the rear suspension.



ELEMENTECH™ For Hardtail Frames

Element hard tails have some special features

VIBE V.D.T.-Vertical Damping Technology

VIBE Vertical Damping Technology is a common theme on **Element** hard tails.

It indicates the passive rear suspension (vertical flex) designed into the rear stays of the frame.

- Vertically Compliant for Comfort
- Laterally Rigid for Efficiency and Tacking
- Decrease rider's fatigue

MAXIMUM VIBE FOR CARBON

- Radical horizontal cross-sections which **flex vertically like a ski**.
- **Size-specific fiber lay-ups**....smaller sizes have greater flex for lighter riders

LOW VIBE FOR ALLY

- Alloy seatstays tuned for comfort
- Laterally ovalized monostay with one-piece tri-bend seatstays



AQUA REGIA [RD-120]

FRAME FEATURES

- Inimitable and purposeful Element silhouette in full carbon monocoque.
- Superlight, ultra-stiff and efficient vibration-damping carbon composite frame and fork for the highest level of riding-performance.
- Oversize tapered head tube and BB30 bottom-bracket.

DETAILS

Frame Material: Monocoque Carbon Fiber
 Fork Material: Monocoque Carbon Fiber
 E.G.S™ Standard Sizes: 46, 48, 50, 52, 54, 56, 58, 61cm.
 Frame Weight (50cm): 1kg
 Fork Weight: 0.4kg
 Integrated Tapered 1-1/8" ~ 1-1/2" Head tube
 BB30 Bottom Bracket interface
 Wheel Size: 700c
 Colors: Gloss-Pearl-White, Gloss-Black
 Available As: Frameset with Fork / Complete-Bike
 Intended Use: Long-distance performance riding,
 Gran-Fondos, Weekend-warriors

▲ Elementech

- △ E.G.S.™ (Equilibrium Geometry System)
- △ Carbon Vibe (Micro Damping Technology)
- △ C.N.F.™ Carbon Fibre Nano Technology
- △ S.S.A™ Tapered Headtube
- △ BB30



► Gloss-Black



AQUA PURA [RD-220]

▲Elementech
△E.G.S.™ (Equilibrium Geometry System)

FRAME FEATURES

- Triple-butted performance aluminum road frame with multi-shaped down-tube and carbon fork.
- Special geometry optimized for all- purpose recreational long-distance riding.

DETAILS

Frame Material: Triple-Butted AL6069 with Premium Double Pass Smooth Welding.

Fork Material: Monocoque Carbon Fiber

E.G.S.™ Standard Sizes: 46, 48, 50, 52, 54, 56, 58, 61cm

Frame Weight (50cm): 1.5kg

Fork Weight: 0.6 kg

Integrated headset with 1-1/8" steerer

Beer-Keg™ CNC BB shell

Wheel Size: 700c

Colors: Gloss-red, Gloss-white

Available As: Frameset with Fork / Complete Bike

Intended Use: Long-distance recreational riding, Weekend-warriors



► Gloss-white



TRITON-100 [MD-25]

FRAME FEATURES

- 100mm of stable pedaling rear travel.
- Maximum lateral stiffness
- Minimum standover height on all frame sizes
- CNC Shock-Box & Swing-Link
- Element E.G.S.™ geometry for aggressive XC riding

DETAILS

Frame Materials: AL7005

E.G.S.™ Standard Sizes: 16.5" / 18" / 19.5"

Frame Weight (18"): 2.3kg (w/o shock)

Suggested Forks (80mm~100mm travel): Fox 32F Series

Colors: Gloss-white / Hard-gold, Gloss-black / Hard-gold

Available As: Frameset / Complete-Bike

Intended Use: XC, Trail, Adventure, Marathon

▲Elementech

- △ A.S.A.P.™ Kinematics for XC
 - High Reactivity to rider-inputs= bump absorption
 - Low Reactivity to rider-inputs = pedaling efficiency
- △ Element 36-OS™ ø1-1/8" headset included
- △ Open-Source Pivot (OSP) Position / Sealed cartridge bearings
- △ Element-specific Fox Shox Float Series



▶ Gloss-white/Hard-gold



ISOTOPE-5.5 [MD-38]

FRAME DETAILS

- Go up fast. Go down fast. Have fun fast.
- Torsionally stiff for tracking precision
- Very low standover height on all frame sizes
- Adjustable head-tube angle and stack

DETAILS

Frame Materials: Butted AL7005

E.G.S.™ Standard Sizes: 16.5", 18", 19.5"

Frame Weight (16.5"): 2.8kg (w/o shock)

Travel: 140mm (5.5")

Suggested Forks (140-160mm): Fox 32 / 36 Series

Colors: Gloss-Silver / Gray, Satin-White / Brown

Available As: Frameset / Complete-Bike

Intended Use: All-mountain, Enduro, Free Ride Lite

▲Elementech

- △ A.S.A.P.™ kinematics: Vertical axle-path for AM and Absorb drops and big-hit
- △ Fusion™ 36-OS adjustable headset included
- △ 1point5 head-tube
- △ Open-Source Pivot (OSP) Position Sealed cartridge bearings
- △ Element-specific Fox Shox DHX Air 4.0



▶ Satin-White / Brown



CARBON-S [MD-07]

FRAME FEATURES

- Inimitable and elegant Element silhouette in full carbon monocoque.
- Superlight (1.1kg), ultra-stiff and vibration damping carbon composite construction for the highest level of riding performance.

DETAILS

Frame Material: Monocoque Carbon Fiber
E.G.S.™ Standard sizes: 15", 17", 19", 21"
 Frame Weight (17"): 1.1kg
 Integrated Tapered 1-1/8" - 1-1/2" Head Tube.
 BB30 Bottom Bracket interface.
 Colors: Gloss-Black / Red, Gloss-Black / Blue
 Available As: Frameset / Complete-Bike
 Intended Use: XC Racing, Marathon, Top- Performance

▲Elementech

- △ Monocoque Full Carbon Fiber construction.
- △ Carbon dropouts with integrated disc-brake post mount for weight savings.
- △ **C.N.F.T™** Carbon Fibre Nano Technology
- △ **S.S.A™** Tapered Headtube
- △ **BB30**



▶ Gloss-Black / Blue



▶ Gloss-Black / Red



NITRON-Q [MD-09]

FRAME FEATURES

- CNC contour Dropouts
- Premium Double-Pass Smooth-Welds
- Superior fatigue strength and appearance

DETAILS

Frame Material: T.B. AL7005 & Carbon Fiber Stays

Frame Weight (16.5"): 1.4kg

E.G.S.[™] Standard Sizes: 16.5", 18", 19.5"

36-OS[™] large-ball headset

Beer-Keg[™] CNC BB shell

Suggested Forks (80mm-100mm travel): Fox 32F Series

Colors: Satin-Pearl-White w/Carbon-weave, Satin-Indigo w/Carbon-weave

Available As: Frameset or Complete-Bike

Intended Use : XC, Trail, Adventure, Marathon

- ▲ Elementech
- △ MAXIMUM VIBE damping technology
- △ 36-OS[™] large-ball headset



► Satin-Indigo



ELECTRO-X [MD-11]

FRAME FEATURES

- Premium Double-Pass Smooth-Welds
- Superior fatigue strength and appearance
- CNC dropouts detailing.

DETAILS

Frame Material: Triple-Butted AL7005

E.G.S™ Standard Sizes: 14", 16.5", 18", 19.5"

Frame Weight (16.5"): 1.5kg

Beer-Keg™ CNC BB shell

Suggested Forks (80mm-100mm travel): Fox 32F Series

Colors: Gloss-Red, Gloss-Blue, Gloss-White

Available as: Frameset / Complete-Bike

Intended Use: XC, Trail, Adventure, Marathon

▲Elementech

△36-OS™ Integrated Oversize-Bearing Headset



► Gloss-Red



► Gloss-White



LOW VIBE



PROTON-B [MD-12B]

FRAME FEATURES

- A great entry point bike with high-end features such as a shaped hydroformed down-tube for strength and durability and an elegant ovalized wishbone seat-stay.

DETAILS

Frame Material: Butted Aluminum 6069

Frame weight (16.5"): 1.7kg

E.G.S™ Standard Sizes: 14", 16.5", 18", 19.5", 21"

Forged dropout

Zero-Stack Headset

Colors: Green / White, Black / White

Available as: Frameset / Complete-Bike

INTENDED USE: XC, Trail, Adventure, Marathon

▲Elementech

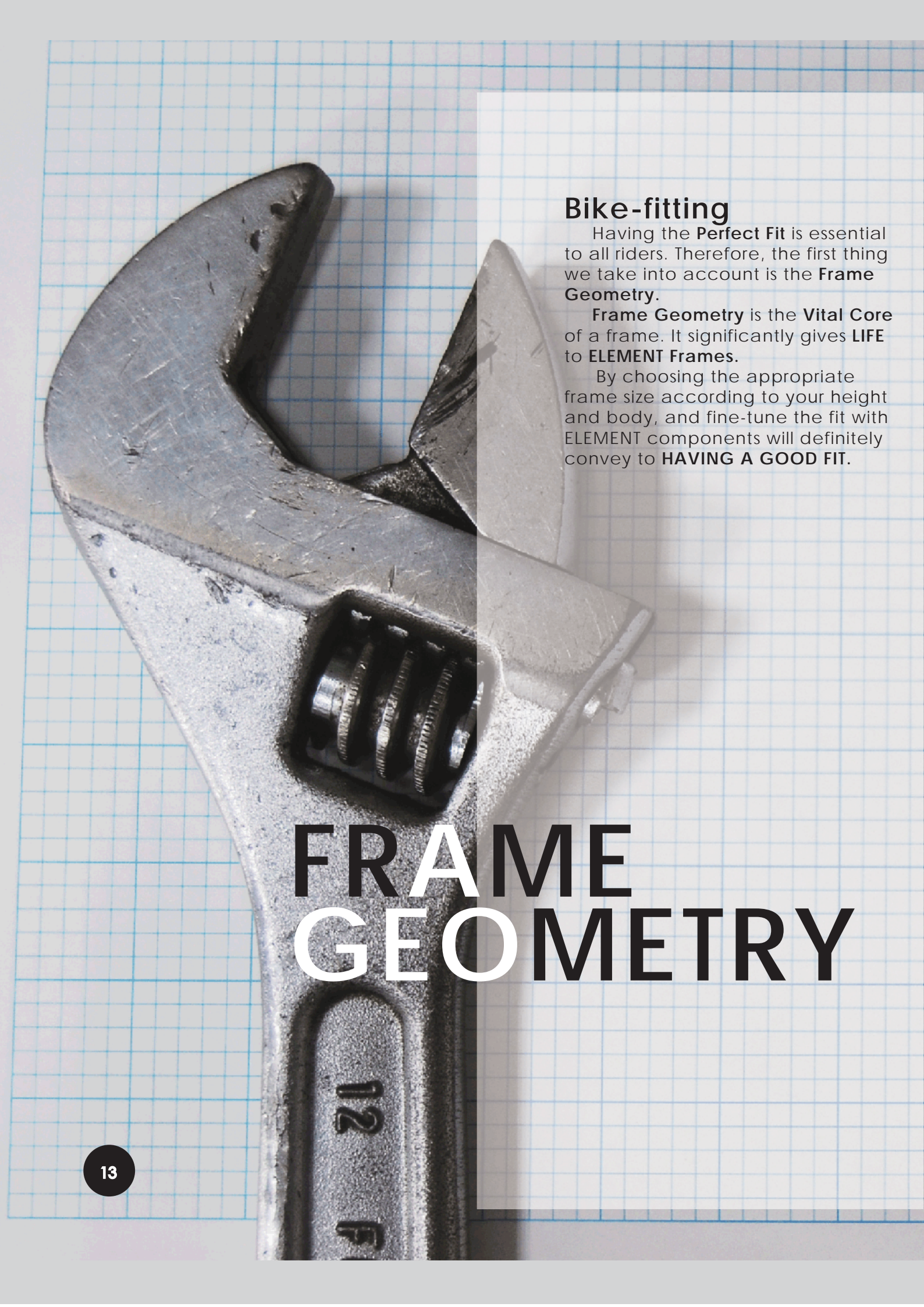
△ Triple Butted Tubing

△ Hydroformed multi-shape down-tube



▶ Black / White





Bike-fitting

Having the **Perfect Fit** is essential to all riders. Therefore, the first thing we take into account is the **Frame Geometry**.

Frame Geometry is the **Vital Core** of a frame. It significantly gives **LIFE** to **ELEMENT Frames**.

By choosing the appropriate frame size according to your height and body, and fine-tune the fit with **ELEMENT** components will definitely convey to **HAVING A GOOD FIT**.

FRAME GEOMETRY



Bike's

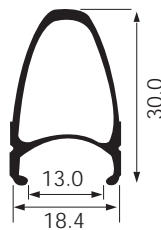
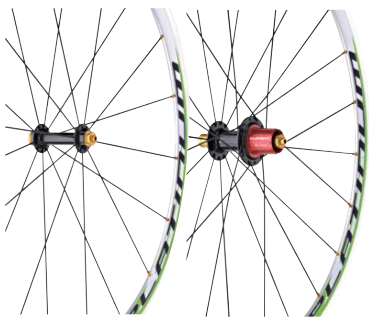
Components & Accessories

- Wheelsets
- Hubsets
- Headsets
- Stems
- Handlebar
- Locking Grips
- Seatposts/ Carbon Forks
- Element's New Exclusive Road Series

- Waterbottle Cages
- Pumps
- Bags
- Spare Parts

PLATINUM translate excellence in acceleration. It is quick, responsive and provides all day comfort riding performance.

PLATINUM [WH-RA600]

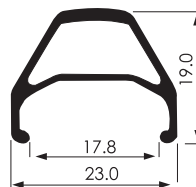
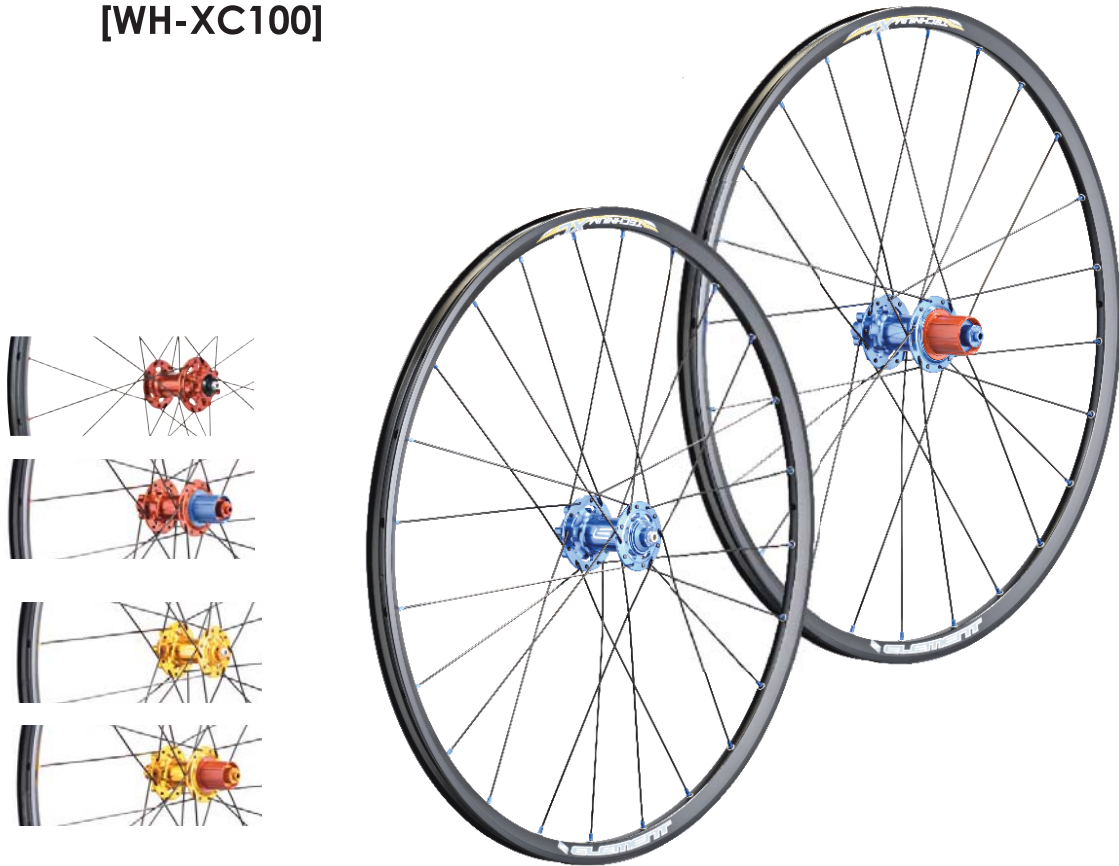


FEATURES

- Minimal rotating weight wheelset
- Technium 700c Alloy rim
- Superlight welded construction
- 18.4mm width x 30mm deep (ETRTO 622 x 14)
- Technium RA600 hubset - F / 20H, R / 24H
- OLD (F/R) 100 / 130mm
- Black Pillar 14G bladed spokes
- Alloy nipples
- Includes QR's(F/R)
- Colors: Black Rim / Green Decal
Black Rim / Red Decal
Silver Rim / Green Decal
Silver Rim / Red Decal
- Weights(F/R): 740g / 860g
- Option: also available in Campagnolo system

The TECHNIUM Series is created with an ultimate goal to allow cyclist to excel their performance.

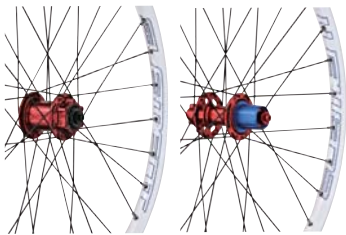
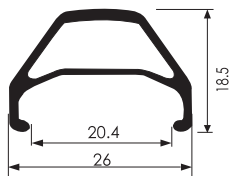
TECHNIUM-SL [WH-XC100]



FEATURES

- Minimal rotating weight wheelset
- Technium XC-SL 26" Alloy rim
- Superlight welded construction
23mm width x 19mm deep (ETRTO 559 x 18)
- Eyelets for durability
Disc-Only
- Technium XC-SL hubset-F / 24H, R / 28H
OLD (F/R) 100 / 135mm
- Black Pillar 14G spokes
- Alloy nipples
- Includes QR's (F/R)
- Colors: Black Rim / Anodized Hub
- Weights(F/R): 740g / 860g

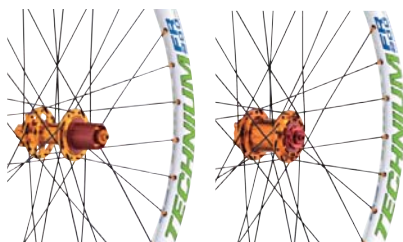
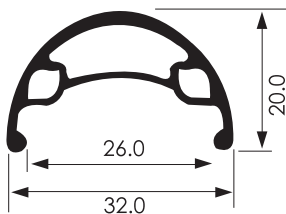
TECHNIUM-AM [WH-AM180]



FEATURES

- Wide-rimmed light free ride wheelset
- Technium-FR26" wide Alloy rim
- Wide rim section for stable cornering
- Durable pinned construction
- 26mm width x 18.5mm deep (ETRTO 559 x 21)
- Eyelets for durability
- Disc-Only
- Technium FR hubset-32H F/R
20mm thru-axle front (OLD110mm)
QR rear (OLD135mm)
- Black Pillar 14G spokes
- Alloy nipples
- Includes rear QR's (F/R)
- Colors: Black Rim / Anodized Hub
White Rim / Anodized Hub
- Weights(F/R): Black 884g / 936g
White 904g / 964g

TECHNIUM-FR [WH-FR200]



FEATURES

- Wide-rimmed light free ride wheelset
- Technium-FR26" wide Alloy rim
- Wide rim section for stable cornering
- Durable pinned construction
- 32mm width x 20mm deep (ETRTO 559 x 26)
- Eyelets for durability
- Disc-Only
- Technium FR hubset-32H F/R
20mm thru-axle front (OLD110mm)
QR rear (OLD135mm)
- Black Pillar 14G spokes
- Alloy nipples
- Includes rear QR's (F/R)
- Colors: Black Rim / Anodized Hub
White Rim / Anodized Hub
- Weights(F/R): White 1100g / 1150g
Black 1096g / 1140g

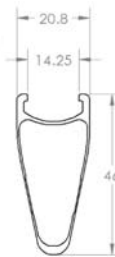
WHEELSETS
WH-RA460
RA320
XC90

This Series is Carbon material. It is more Light and Strong to make rider accomplish clim dreams.

WHEEL SETS BLACK DIAMOND



[WH-RA460]



FEATURES

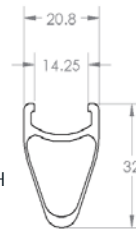
- Black Pillar AERO bladed spoke
- Copper nipples
- Rim Depth: 46mm (full carbon)
- Hubs: Element RA600 – F/20H, R/24H
- Weight: Front 678g; Rear 830g
- Option: also available in Campagnolo system



[WH-RA320]

FEATURES

- Black Pillar AERO bladed spoke
- Copper nipples
- Rim Depth: 32mm (full carbon)
- Hubs: Element RA600 – F/20H, R/24H
- Weight: Front 642g; Rear 802g
- Option: also available in Campagnolo system



[WH-XC90]

FEATURES

- Black Pillar 14G bladed spokes
- Copper nipples
- Rim Depth: 20mm (full carbon)
- Hubs: Element XC100 – F/24H, R/24H
- Weight: Front 730g; Rear 846g

The Technium disk hubsets are durable, smooth-running units. Freewheels feature triple pawl action. Disk rotor mounts are machined precisely square to hubshell; so the disks run very straight and true.

TECHNIUM XC-SL [HB-XC100]



FEATURES

- Lightweight and durable
- Oversize alloy axles
- 2 interchangeable version for front hub only:
QR 9mm
Thru-Axle Ø15mm
- Intended usage: XC / All-Mountain
- Colors: Anodize Black / Blue / Gold / Red
- Weights F/R(w/o QR): 160g / 280g
- Front hub: OLD 100mm x 32H
- Rear hub: OLD 135mm x 32H
- Interchangeable Versions:
For Front hub
XC100-F-Ø9mm QR-CAP
XC100-F-Ø15mm-CAP



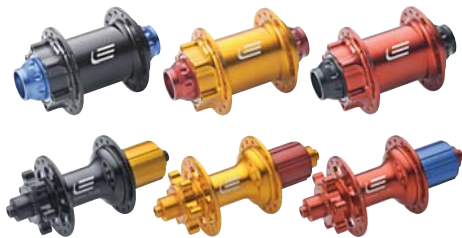
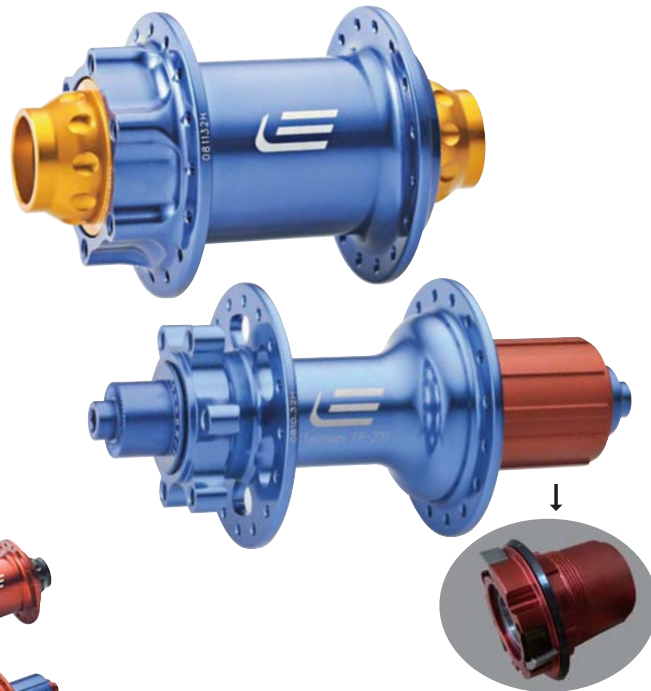
The Technium AM/FR hubset has an Oversize body intended for Super-Stiffness. It is designed to come with an interchangeable cap for easy accessibility.

TECHNIUM AM/FR [FR200-F] Front

3 interchangeable version:
QR 9mm
Thru-Axle Ø 15mm
Thru-Axle Ø 20mm

[FR-200-R] Rear

3 interchangeable version:
QR 10mm
Thru-Axle Ø10mm
Thru-Axle Ø12mm
150mm rear-hub version
Cassette option for SRAM-XX1



FEATURES

- Intended usage: All-Mountain / Light Free Ride
- Super-Stiff Oversize Front Hub
- Duralight Rear Hub with AL7075 alloy cassette body
- Colors: Anodize Black / Anodize Blue
Anodize Gold / Anodize Red
- Weight F/R(OLD 135,w/o QR): 220g / 280g
- Interchangeable Versions:
 - For Front hub
 - FR200-F-Ø9mm QR-CAP
 - FR200-F-Ø15mm-CAP
 - FR200-F-Ø20mm-CAP
 - For Rear hub
 -
 - FR200-R-Ø10mm QR-CAP
 - FR200-R-Ø10mm Axle-CAP
 - FR200 R Ø12mm Axle CAP

SPEC.	HP-11	HP-14	HP-16	HP-18 1.5"	HP-18 1-1/8"
FORK STEERER	1-1/8"	1-1/8"	1-1/8" & 1.5"	1-1/8" & 1.5"	1-1/8"
UPPER STACK HEIGHT	12.4mm	12.4mm	12.4mm	12.4mm	12.4mm
LOWER STACK HEIGHT	3.1mm	3.1mm	13.4mm	13.4mm	12.6mm
ØCUP SKIRT	Ø10mm	Ø22mm	Ø22mm/20mm	Ø10mm/20mm	Ø10mm/20mm
ØCUP OD	Ø44mm	Ø49.65mm	Ø49.65mm	Ø44mm/49.65mm	Ø44mm/49.65mm
UPPER BEARING	Ø41.5mm 36°/36°	Ø44mm 36°/36°	Ø44mm 36°/36°	Ø41mm 36°/45°	Ø41mm 36°/45°
LOWER BEARING	Ø41.5mm 36°/36°	Ø44mm 36°/36°	Ø51.8mm 36°/45°	Ø51.8mm 36°/45°	Ø51.8mm 36°/45°
WEIGHT	110g	170g	202g	162g	162g
INTENDED USAGE	XC	FR	FR/AM	XC/FR/AM	XC/FR/AM

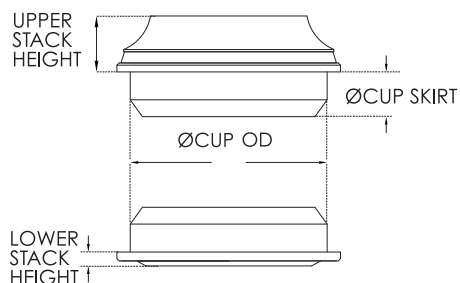
Ø41.5mm
36°/36°

FUSION-36 KIT

The Fusion headset kit adapts the durable **Krypton-36** headset to any **1point5 (1.5")** headtube frame.

FEATURES

- Can choose any Ø1-1/8" fork, without eliminating **1point5** fork options
- Lighter than other reducer headsets for **1point5**
- Lighter than most heavy-duty Ø1/1/8" headsets
- High-hardness AL7075/T6 bearing seats resist damage vs. AL7005 or AL6061 head-tubes
- Stems sits 20mm lower with zero-stack upper cup (vs. standard 1.5" headsets)
- Head tube angle can be adjusted with either zero-stack
- **KIT INCLUDES**
 - **Krypton-36** headset for Ø1-1/8"
 - Stainless steel lower crown-race for freeride and all-mountain.
 - Alloy steel lower crown-race for XC.



HP-11



HP-14

- Qty 2
- With Zero-Upper and Lower Adapter



HP-16



HP-18

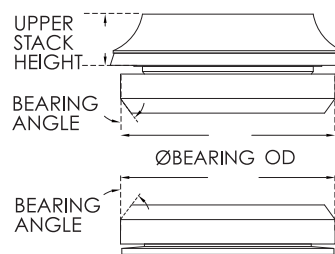
SPEC.	AD-9	AD-42	AD-44
FORK STEERER	1-1/8"	1-1/8" 1-1/8" & 1.5"	1-1/4" & 1-1/8"
UPPER STACK HEIGHT	9mm	9.95mm	9.95mm
LOWER STACK HEIGHT			10.55mm
UPPER BEARING	Ø44mm 36°/36°	Ø41.8mm 45°/45°	Ø41.8mm 45°/45°
LOWER BEARING	Ø44mm 36°/36°	Ø51.8mm 36°/45°	Ø46.8mm 45°/45°
WEIGHT	92g	84g	72g
INTEDED USAGE	XC	XC/AM/FR	ROAD

Krypton-36 Integrated Headset

The Krypton-36 Ø1-1/8" integrated headset is included with most Element Technic XC frames.

FEATURES

- Oversize Ø5/32" balls: 25% larger than standard balls
- 36° cartridge chamfer has a larger contact area to the headtube
- Oversize Ø50mm head-tube, stiffer and stronger
- No cups: tool-free installation and better aligned bearings
- Alloy lower crown-race for cross-country, stainless steel lower crown race for AM / FR



AD-9



AD-42



AD-44

[WS-150CF] (For Ø1.5")

[WS-118CF] (For Ø1-1/8")

[WS-100CF] (For Ø1")

FEATURES

- The perfect match for your **Element** headset
- One Kit includes a set of: 3, 5, 10, 15, 20 mm
- Full Carbon Fiber



SPEC.

	HP-55TS NEPTUNE	HP-66SA MERCURY
FORK STEERER	1-1/8"	1-1/8"
UPPER STACK HEIGHT	17.55mm	16.9mm
LOWER STACK HEIGHT	13.6mm	13.5mm
Ø CUP SKIRT	Ø12mm/12mm	Ø12mm/12mm
Ø CUP OD	Ø34mm	Ø34mm
UPPER BEARING	Ø44mm 36°/45°	Ø41.5mm 36°/45°
LOWER BEARING	Ø44mm 36°/45°	Ø41.5mm 36°/45°

NEPTUNE [HP-55TS]

The same large-ball **36-OS** cartridge as our integrated headset in a conventional headset.



FEATURES

- Oversize Ø5/32" balls: 25% large than standard balls
- CNC AL6061/T6 cups, stainless lower-crown
- Polished anodized finish with laser logo
- Colors: Black / Silver / Red / Blue / Gun-metal
- 12mm "semi-deep" cup insertion, for headtube strength
- Intended usage: XC / FR
- Stainless steel lower crown race
- Weight: 140g
- Bearing: BN-440TA

MERCURY [HP-66SA]

Mercury is a no-compromise lightweight conventional Ø1-1/8" headset.

The **Element Technic** exclusive **stainless-steel ACB** features a special shoulder-stop which controls pressure on the inner bearing to prevent over-tightening.



FEATURES

- Special stainless steel 45°/36° Angular Contact Bearings for XC
- CNC AL6061/T6 cups
- Polished anodized finish with laser logo
- Color: Black / Silver / Blue / Red / Gun-metal
- 12mm "semi-deep" cup insertion, for head-tube strength
- Intended usage: Road / XC
- Heat-treated alloy lower crown race
- Weight: 90g
- Bearing: BN-410SS

A stem has a simple job... Element Technic stems are a perfect link between our frames and handlebars. With a variety of lengths, the optimum fit of the bike can be assured.

NEON-H [SM-14]

A L7075, Ø31.8mm x L70, 80, 90, 100, 110, 120mm x ±8°

FEATURES

- Superlight
- CNC Front Cap and CNC details
- Available in lengths below to 70mm
- Intended usage: XC / Road
- 3D-Forged AL7075/T6
- Ti screws w/anti-seize thread compound
- Passes EN safety standards
- Weight(L80mm): 100g
- Colors: Black / Anodize Red
Black / Anodize Gold
White / Anodized Red
White / Anodized Gold



NEON-Q [SM-15]

Ø25.4mm x L70, 80, 90, 100, 110, 120mm x +8°

[SM-16-OS]

Ø31.8mm x L70, 80, 90, 100, 110, 120mm x +8°

FEATURES

- Superlight
- CNC Logo and CNC details
- Available in lengths below to 70mm
- Intended usage: XC
- 3D-Forged AL7075/T6
- Ti screws w/anti-seize thread compound
- Passes EN safety standards
- Weight (L110mm): 115g
- Colors: White / Black



NEON-X [SM-25]

Ø25.4mm x L70, 80, 90, 100, 110, 120mm x ±8°

[SM-26-OS]

Ø31.8mm x 70, 80, 90, 100, 110, 120mm x ±8°

FEATURES

- Very Light
- Available in lengths 70mm
- Laser Logo
- Intended usage: XC / Adventure / All-Mountain
- 3D-Forged AL6061/T6
- Cro-Mo Screws
- Weight (L110mm): 135g



Element Technic carbon fiber handlebars are strong and reliable. Developed with a systems engineering approach to consider the interaction of the bars with stem, shifters and bar-ends, they pass the most demanding mechanical testing.

RADIUM-OS [HD-26CF]

FEATURES

- Rise Bar
- Weight: 185g
- Ø31.8mm x 670mm width, 8° sweep, 25mm rise



HYDROGEN-OS [HD-24CF]

FEATURES

- Rise Bar
- Weight: 175g
- Ø31.8mm x 650mm width, 8° sweep, 15mm rise



RADIUM-F [HD-22CF]

FEATURES

- Riser Bar
- Weight: 165g
- Ø25.4mm x 660mm width, 9° sweep, 35mm rise



INDIUM-X [HD-11CF]

FEATURES

- Flat Bar
- Weight: 135g
- Ø25.4mm x 580mm width, 7° sweep



EXCLUSIVE DETAILS

- /Intended usage: XC / Marathon / All-Mountain
- /Superior impact and fatigue strength
- /Multi-buttet and tapered full carbon-fiber
- /Extra reinforced under stem /brake lever / bar-end clamping areas
- /Gloss finish carbon-weave with color logos

Since handlebar position is a critical to bike fit, we take special in handlebar positioning.

BARIUM-Q [HD-520C]

FEATURES

- Low Riser
- Intended usage: XC / All-Mountain
- Colors: Black / Gun-metal
- Weight: 190g
Ø25.4mm x 630mm width, 8°back-sweep
X8°up-sweep, 15mm rise



PLUTON-O [HD-537C]

FEATURES

- Mid Riser
- Intended usage: All-Mountain / Freeride
- Colors: Red / Black
- Weight: 230g
Ø25.4mm x 660mm
width, 8°back-sweep, 10°up-sweep, 30mm rise



PLUTON-OS [HD-536OS]

FEATURES

- Intended usage: All-Mountain / Free Ride / Enduro
- Colors: Anodize black
- Weight: 250g
Ø31.8mm x 680mm width, 8°back-sweep,
5°up-sweep, 25mm rise



NICKEL-WIDE [HT-868]

FEATURES

- Super-Wide Flat Bar
- Intended usage: Free Ride / DH
- High polished anodized finish with laser logo
Colors: Black/Gun-Metal
- Weight: 300g
- Ø31.8mm x 760mm, 9°sweep



EXCLUSIVE DETAILS

- /Precision tolerances on bar diameter and wall-thickness
- /Head-treated butted AL7075 alloys
- /Dual surface treatments: High polished finish with laser logo
- /Marked ends for easy cutting

Since sensation is very important to every rider, Element Technic Grips gives rider the necessary comfort needed.

GRIPTONITE LOCKING GRIPS [GP-26]



FEATURES

- Element™ E™ logo kraton-rubber grip
- Dual Alloy lock-rings clamp securely using 3mm allen-key
- Includes end-plugs
- Intended usage: XC / All-Mountain / Free Ride
- Colors: Black rubber / Anodized Lockings (Black / Blue / Red / Gold)
White rubber / Anodized lockings (Black / Blue / Red / Gold)
- Full size for use with trigger-shifters
- Length: 130mm
- Weight: 105g/pair



GRIPTONITE LOCKING GRIPS [GP-33L]

Full size for use with trigger-shifters

Length: 130mm

Weight: 120g/pair

[GP33S]

Full size for use with twister

Length: 80mm

Weight: 85g/pair



FEATURES

- Diamond-knurl kraton rubber grip
- Dual Alloy lock-ring clamp securely using 3mm allen-key
- Includes end-plugs
- Intended usage: XC / All-Mountain / Free Ride
- Colors: Black rubber / Anodized lockings (Black / Blue / Red / Gold)
White rubber / Anodized lockings (Black / Blue / Red / Gold)

Element Technic seatposts are a perfect complement to our frame. All feature easy and secure two-bolt adjustment

GRAPH-Q Full Carbon [SP-730]

FEATURES

- Monocoque setback post
- Intended usage: XC / Marathon
- Full Carbon shaft
- Carbon weave finish
- Weight: 200g
 - Ø27.2mm x L350mm
 - Ø30.9mm x L350mm
 - Ø31.6mm x L350mm



IODINE-K Carbon [SP-780]

FEATURES

- Zero-offset post
- Intended usage: XC / Marathon
- Carbon shaft
- UD finish
- Weight (Ø27.2mm): 175g
 - Ø27.2mm x L350mm
 - Ø30.9mm x L350mm
 - Ø31.6mm x L350mm



ARGON-V Alloy 7075 [SP-880]

FEATURES

- One-piece Zero-offset post
- High-strength and lightweight
- All-Purpose usage: XC / Marathon
All-Mountain / Freeride
- 3D-forged AL7075/T6 shaft
- Black anodized finish
- Weight (Ø27.2mm): 215g
 - Ø27.2mm x L400mm
 - Ø30.9mm x L400mm
 - Ø31.6mm x L400mm



NITRO-B Alloy 7075 [SP-422]

FEATURES

- 23 setback post with Forged Head
- Intended Usage: XC / Marathon
- AL7075
- Weight (Ø27.2mm): 250g
 - Ø27.2mm x L350mm
 - Ø30.9mm x L350mm
 - Ø31.6mm x L350mm



SPAR-Q DISC [FK-500]



FEATURES

- Disc and V-brake compatible
- Carbon Legs
- Removable V-brake posts
- Intended usage: XC only
- For 26" wheels only
- Fork Length: 445mm(axle-to-crown)
- Offset: 45mm
- Colors: Black / White
- Weight: 800g(uncut)

SPAR-Q DUAL [FK-510]

FEATURES

- Disc brake only
- Carbon Legs
- Forged Crown and Dropouts
- Intended usage: XC only
- For 26" or 29" wheels
- Fork Length: 445mm(axle-to-crown)
- Offset: 45mm
- Colors: Black / White
- Weight: 750g(uncut)



Collections exclusive for Elementbike lovers.....

**TWIN
[PD-500]**



FEATURES

- Aluminum Body 6061 CNC machined, Chromoly spindle
- Cartridge bearing, DU Bushing, Rubber Seal, with Interchangeable Wings
- Colors: Anodized Gold, Anodized Silver, Anodized Black
- Weight: 422g(with wings)



Interchangeable wings



**Q-TIGHT
[SC-26]
[SC-25]**



FEATURES

- Lightweight and Durable
- CNC AL6061 with Chrome bolt
- Clamp Size: 34.9mm / 31.8mm
- Color: Anodized Black / Gold / Red
- Weight: 14g



**Q-TIGHT
[SC-28]
[SC-27]**



FEATURES

- Lightweight and Durable
- CNC'd AL6061 with Quick Release
- Clamp Size: 34.9mm / 31.8mm
- Color: Anodized Black / Gold / Red
- Weight: 24g



**ERGO
[LQR-300]**

FEATURES

- Light, Quick & Responsive Quick Release
- Intended usage: MTB / Road
- Weight (F/R): 27g / 31g
- Color: Gold / Red / Silver



ELEMENT'S
NEW
EXCLUSIVE

Strong braking and lower friction is your best choice for Element's New Brake Pad products.

BRAKE PAD Rim Brake Pad



[RP-73R] FOR ROAD

FEATURES

- Rubber plastic matrix PADS
- Wear dot Indication
- Crud Clean
- Water Remove
- Anit-Squeal
- Ultra-light weight
- Weight: 26g (no package)



Water Remove

[RP-72R] FOR ROAD

FEATURES

- Wear dot Indication
- Crud Clean
- Water Remove
- Anit-Squeal
- Ultra-light weight
- Weight: 30g (no package)

**ELEMENT'S
NEW
EXCLUSIVE**

Strong braking and lower friction is your best choice for Element's New Brake Pad products.

**BRAKE PAD
Rim Brake Pad**



[RP-65M] FOR MTB

FEATURES

- Crud Clean
- Water Remove
- Anit-Squeal
- Ultra-light weight
- Weight: 40g (no package)

Disk Brake Pad



[DP-104]

FEATURES

- Reduce heat generation
- Reduce the noise
- Minimal heat transfer to brake oil
- Weight: 24g (no package)

ELEMENT'S
NEW
EXCLUSIVE

Lighter and thin function is our topic.
Special design on the valve for Element technic products.

INNER TUBE

It's a just light inner tube.



[RACE700-FV-48mm]

FEATURES

- 0.6mm thickness
- The valve is with a ring can prevent the slant when the tube is no air
- Weight: 70g (no package)



[MTB 26- AV-40mm] 26"x1.9~2.125

[MTB 26- FV- 48mm] 26"x1.5~1.75

FEATURES

- 0.6mm thickness
- The valve is with a ring can prevent the slant when the tube is no air
- Weight: 114g (no package) for AV
Weight: 140g (no package) for FV

It is surely beneficial to have a road bike in your collection because it is not only intended for racing but also gives you an option to use them for other functionalities.

URANIUM-U [HD-931]



FEATURES ROAD

- Ø31.8 compact road handlebar
- AL7050 lightweight butted and tapered tube.
- Size: Ø31.8mm, 123mm drop, 78mm reach
- Width: 400mm / 420mm / 440mm
- Weight: 280g

NEON-H [SM-14]

AL7075, Ø31.8mm x L70, 80, 90, 100, 110, 120mm x ±8°

FEATURES

- Superlight
- CNC Front Cap and CNC details
- Available in lengths below to 70mm
- Intended usage: XC / Road
- 3D-Forged AL7075/T6
- Ti screws w/anti-seize thread compound
- Passes EN safety standards
- Weight(L80mm): 100g
- Colors: Black / Anodize Red
Black / Anodize Gold
White / Anodized Red
White / Anodized Gold



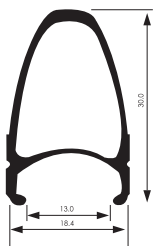
IODINE-K Carbon [SP-780]

FEATURES

- Zero-offset post
- Seatpost: XC / Marathon
- Carbon shaft
- Carbon weave finish
- Weight(Ø30.9mm): 175g
Ø27.2mm x L350mm
Ø30.9mm x L350mm
Ø31.6mm x L350mm



PLATINUM [WH-RA600]



FEATURES

- Minimal rotating weight wheelset
- Technium 700c Alloy rim
- Superlight welded construction
- 18.4mm width x 30mm deep (ETRTO 622 x 14)
- Technium RA600 hubset-F / 20H, R / 24H
- OLD100 / 130mm(F/R)
- Black Pillar 14G bladed spokes
- Alloy nipples
- Includes QR's(F/R)
- Colors: Black Rim / Green Decal
Black Rim / Red Decal
Silver Rim / Green Decal
Silver Rim / Red Decal
- Weights(F/R): 740g / 860g



Element Bottle Cages. Now in top-quality carbon.

MARATHON 3D [WC-120]



FEATURES

- Super Light Race Cage
- 3D Full-Carbon
- Low Profile screws
- Intended usage: XC
- Colors: UD / White
- Weight: 34g



RACELIGHT 3D [WC-100]



FEATURES

- Lightweight Cage
- 3D Full-Carbon
- Low Profile screws
- Intended usage: XC / Marathon
- Weight: 36g

ANTI-DROP CHAIN DEVICE [PT-CN007]

FEATURES

- AL6061, 2mm thickness
- Color: Anodized Gold / Red / Black
- Intended usage: MTB frame only.



Having a good pump is important to the cyclist... Therefore, Element Technic offers variety of selections intended for reliability and convenience.

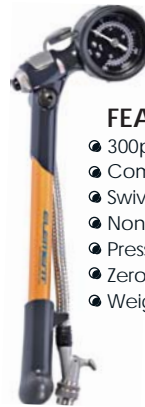
FLOOR PUMP [ELM-52N]



FEATURES

- 6063 Aluminum air-flow tube
- Strong steel barrel and base
- Easy reading Top-Mounted 2" gauge
- Clever Valve: No more reverse for Presta & Schrader
- High pressure-Max: 160 psi
- Weight: 1460g

SHOCK PUMP [ELM-03SL]



FEATURES

- 300psi Removable Gauge
- Compact and portable
- Swiveling hose
- Non-Scratch Rubber sealing system
- Pressure micro-adjust button (2-3psi)
- Zero-loss pressure removal
- Weight: 210g

2 WAY MINI-PUMP [ELM-94]



FEATURES

- 2-way function for both push & pull
- Aluminum barrel
- T-handle
- Reversible Presta and Schrader
- Precise in-line gauge
- High pressure-Max: 120psi
- Weight: 140g
- Length: 270mm

MINI-PUMP [ELM-781]



FEATURES

- 6063 Aluminum barrel
- Auto smart-head for Presta / Schrader
- Dust-Cap
- Precise in-line gauge
- High pressure-Max: 100 psi
- Weight: 190g
- Length: 310mm

MINI-PUMP [ELM-04S]



FEATURES

- Made of CNC Aluminum
- Superlight and compact Telescope
- High pressure-Max: 120psi
- Weight: 100g
- Length: 170mm

Never the less... a MUST HAVE added collections.

BAG [BG-SH-701MR]



FEATURES

- 1680D polyester
- Black
- Saddle bag
- Reflective Line
- Loop for attaching flasher
- Convertible volume Velcro straps

BAG [BG-406]



FEATURES

- Multi-functional handlebar bag
- Can Be As: handcarry / shoulder bag handlebar bag / camera bag
- Detachable map sleeve
- Size: 8" x 4" x 7-1/2" (340mm x 180mm x 200mm)

CHAINSTAY PROTECTOR

[PT-CS01-S]

S(fit small chain stays)

[PTCS01-M]

M(fit most chain stay)

[PT-CS01-L]

L(fit over size chain stays)

FEATURES

Cordura nylon w/velcro
Black w/ Element logo



Essential part exclusive only for Element Technic products.

DERAILLEUR HANGERS

Each derailleur hangers fits perfectly with Element's frame



[DP-2]

Fits with Element's frame:
Nitron-Q [MD-9]
Triton-100[MD-25]
Isotope-5.5[MD-38]
Electro-X[MD-11]



[DP-4R]

Fits with Element frame:
Aqua Pura [RD-220]



[DP-4M]

Fits with Element frame:
Proton-B [MD-12B]



[DP-5R]

Fits with Element frame:
Aqua Regia [RD-120]



[DP-5M]

Fits with Element frame:
Carbon-S [MD-7]

1 POINT 5 BEARINGS [BN-518](Steel)

FEATURES

- Oversize Steel Cartridge Bearing
- Compatibility:
Integrated headset
Fusion headset
- Size
OD: 51.8mm
Height: 8mm
Chamfers: 36°x45°



OS-36 BEARINGS [BN-440TA](Steel)

FEATURES

- Oversize Steel Cartridge Bearing
- Compatibility
Krypton 36-OS headset
Fusion headset
Neptune headset
- Size
OD: 44mm
Height: 8mm
Chamfers: 36°x36°



MERCURY BEARINGS

[BN-410TA](Steel) [BN-410SS](Stainless-Steel)

FEATURES

- Stainless Steel Cartridge Bearing
- Compatibility:
Mercury headset
Traditional taiwan headset
- IS headsets
- ZS headsets
- Size: OD: 41.0mm
Height: 6.5mm
Chamfers: 45°x36°





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