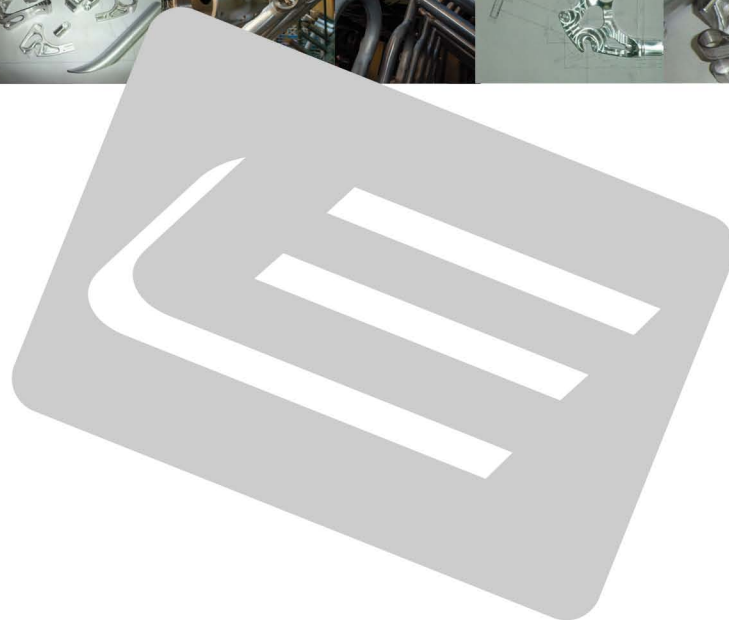


**ELEMENT**

2006-2007



Element Bike is a production of Element Bike Technic Co.  
Our headquarters are in Taichung City, Taiwan.

## MISSION

Each and every Element Technic product is made with one thing in mind: **Rider Satisfaction**

Element Technic is about:

- Specializing in **premier frame design**
- Developing our products by **riding** and listening to those who ride
- Creating products that are **enjoyable** to ride
- Offering the **best quality** of fit and finish at the best value



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The Element Bike website reflects our character: **Straightforward.**  
No flashy distractions. **Visit often:**

**[www.elementbike.com](http://www.elementbike.com)**

It is a great source of information for all things Element Bike, including:

- News
- Product Information
- ElemenTech technical details
- Downloads
- Reviews
- Your Photos
- Where To Buy

## ELEMENTECH™ - ELEMENT EXCLUSIVE TECHNOLOGY

**Element Technology** – is more simply : **ElemenTech™.**

When you see **ElemenTech™** - it means Technology exclusive to Element bikes.

## 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 Tracking.

#### **MAXIMUM VIBE for Carbon (left)**

- 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 Alloy**

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





These **exclusive systems** are found on **Element** Frames.

## E.G.S.™ Equilibrium Geometry System

**Element's** integration of balanced frame and tubing geometries.

**Frame Geometry** is the the essential parameter of a good ride.

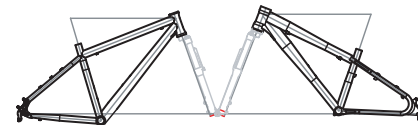
**Element** frames position the rider in a way which is:

- ideal for the intended purpose of the frame
- efficient on the terrain conditions typically ridden by that frame
- fits 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 and filter undesirable ground inputs.



## Oversize Head Tubes & Headset Bearings

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

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

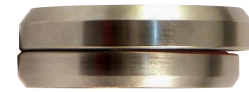
### 36-OS Integrated Ø1-1/8" headset - for XC frames

**Element-exclusive** durable headset system

- Oversize **machined** head tube
- Oversize **large-ball** 36° ACB bearings (**36-OS**)
- Stronger and more durable than other integrated systems.  
In 4 years, we have never seen a failure of a **36-OS** headset!



36-OS HS bearing



standard HS bearing

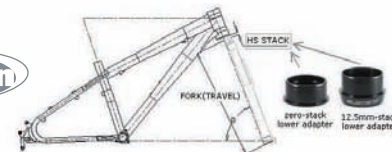
### OnePointFive (Ø1.5") Compatible Head Tube - for All-Mountain and Free Ride

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

onepointfive  
INTERFACE STANDARD

### Fusion Reducer Headset - for 1point5

- Reducer headset with **36-OS** bearings
- **Fusion headsets** allow any Ø1-1/8" fork
- **Adjustable ride-height** (via stack-height) for long-travel forks.







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 Fullys 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
- Axle-Path
- Bump Reaction
- Lateral Stiffness
- Number of Pivots
- Marketing "B.S."

The surprising results of this analysis lead to the most efficient conclusion: A carefully positioned single main-pivot is the equivalent of a 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 of 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 both **Fox** and **Manitou** to match the rear suspension.





ULTRA PREMIUM - CARBON-HARDTAIL

## NITRON-Q [MD-9]



### UPDATES TO NITRON-Q

- New CNC contour Dropouts
  - Improved derailleur hanger
- Updated **E.G.S.**™ Geometry for XC
- Available as:
  - Frame-only, Frameset or Complete-Bike

### FRAME DETAILS

- Frame Material: Carbon-Fiber + T.B. AL7005
- Premium Double-Pass Smooth-Welds
  - Superior fatigue strength and appearance
- Colors
  - satin-pearl-white w/carbon-weave
  - satin-indigo w/carbon-weave (limited)
- Frame Weight (16.5"): 1.4kg
- **E.G.S.**™ (Equilibrium Geometry System)
  - Sizes: 16.5" / 18" / 19.5"
- **36-OS**™ large-ball headset
- **Beer-Keg**™ CNC BB shell
- Made in Taiwan

### INTENDED USE

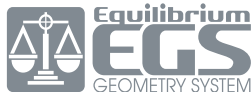
- XC / Trail / Adventure / Marathon
- Suggested Forks (80mm ~ 100mm travel):
  - Fox 32 F100X
  - Manitou R7

### COMPARE TO Electro-X

- Carbon VIBE™ V.D.T. carbon rear-end
- Full CNC custom dropouts
- Lighter Weight



frame and frameset options



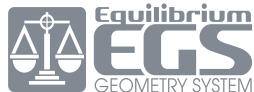


PREMIUM PERFORMANCE

## ELECTRO-X [MD-11]



color options



### UPDATES TO ELECTRO-X

- Updated **E.G.S.**™ Geometry
  - Improved derailleur hanger
- Available as:
  - Frame-only, Frameset or Complete-Bike

### FRAME DETAILS

- Frame Material: Triple-Butted AL7005
- Premium Double-Pass Smooth-Welds
  - Superior fatigue strength and appearance
  - CNC dropout detailing
- Colors
  - Element-gloss-red
  - Element-gloss-blue
  - gloss-white (limited edition)
- Frame Weight (16.5"): 1.5kg
- **E.G.S.**™ (Equilibrium Geometry System)
  - Standard Sizes: 14" / 16.5" / 18" / 19.5"
- **36-OS**™ large-ball headset
- **Beer-Keg**™ CNC BB shell
- Made in Taiwan

### INTENDED USE

- XC / Trail / Adventure / Marathon
- Suggested Forks (80mm ~ 100mm travel):
  - Fox 32 F100RLC
  - Manitou R7

### COMPARE TO Proton-D

- Double-Pass Welds
- CNC dropout detailing



frame and frameset options

PREMIUM VALUE

## PROTON-D [MD-12]



color options



### UPDATES TO PROTON-D

- Updated **E.G.S.**™ Geometry
- Available as:
  - Frame-only, Frameset or Complete-Bike

### FRAME DETAILS

- Frame Material: Triple-Butted AL7005
- Precision TIG welds
- Forged dropouts
- Colors
  - matte-silver
  - satin-indigo-blue
  - matte-black (limited-edition)
- Frame Weight (16.5"): 1.5kg
- **E.G.S.**™ (**Equilibrium Geometry System**)
  - Standard Sizes: 14" / 16.5" / 18" / 19.5"
- **36-OS**™ large-ball headset
- **Beer-Keg**™ CNC BB shell
- Made in Taiwan

### INTENDED USE

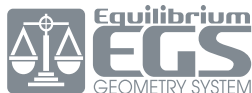
- XC / Trail / Adventure / Marathon
- Suggested Forks (80mm ~ 100mm travel):
  - Manitou Silver

### COMPARE TO Neutron-C

- Lighter Weight
- **36-OS**™ Integrated Oversize-Bearing Headset
- Beer Keg BB



frame  
and frameset  
options





VALUE HARDTAIL

## NEUTRON-C [MD-15]



color option

### NEW MODEL

- Updated **E.G.S.**™ Geometry
- Available as Complete-Bike

### FRAME DETAILS

- Frame Material: Butted AL7005
- Precision TIG welds
- Forged dropouts
- Zero-Stack headset
- Colors
  - matte-mango
  - gloss-cherry
- Frame Weight (16.5"): 1.6kg
- **E.G.S.**™ (**Equilibrium Geometry System**)
  - Standard Sizes: 14" / 16.5" / 18" / 19.5"

### INTENDED USE

- XC / Trail / Adventure / Marathon



PREMIUM FULLY

## TRITON-100 [MD-F11]



### NEW MODEL

- New XC Fully
  - 100mm of stable pedaling rear travel.
- **A.S.A.P.**™ kinematics for XC
  - High Reactivity to ground-inputs = bump absorption
  - Low Reactivity to rider-inputs = pedalling efficiency
- Maximum lateral stiffness
- Minimum standover height on all frame sizes

### EXCLUSIVE DETAILS

- Element-specific **Fox Shox Float RP2**
- **Open-Source Pivot (OSP)** Position
  - sealed cartridge bearings
- CNC Shock-Box & Swing-Link
- Element **36-OS**™ ø1-1/8" headset included

### DETAILS

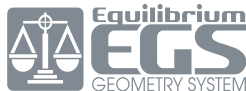
- Materials: AL7005
- Color: Gloss-white / matte-silver
- Frame Weight (18"): ~2.3 kg (w/o shock)
- Element **E.G.S.**™ geometry for aggressive XC riding
  - Standard Sizes: 16.5" / 18" / 19.5"
- Made in Taiwan

### INTENDED USE

- XC / Trail / Adventure / Marathon
- Suggested Forks (100mm travel):
  - Fox 32 F100RLC
  - Manitou R7



frame and frameset options





XC bike-fitting is simple:

- Each size increases in length 18mm, both top-tube and wheel-base.
- Choose appropriate frame size for your height and body.
- Fine-tune the fit with Element XC stems, available in lengths from 70mm ~ 120mm.

## XC – Hard Tails

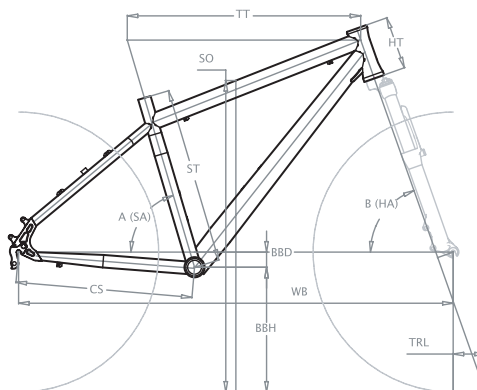
Sizing		ST (c-t)		A	TT (c-c)		SO		B	TRL	HT		BBD		BBH		CS		WB	
Asia	West	[in.]	[mm]	(°)	[in.]	[mm]	[in.]	[mm]	(°)		[in.]	[mm]	[in.]	[mm]	[in.]	[mm]	[in.]	[mm]	[in.]	[mm]
S	XS	14.0	355	73.5	21.2	539	27.2	591	70.0	79	4.1	105	1.2	30	11.8	300	16.5	420	40.3	1024
M	S	16.5	420	73.5	21.9	557	29.0	737	70.0	79	4.5	115	1.2	30	11.8	300	16.5	420	41.0	1042
L	M	18.0	460	73.5	22.6	575	30.1	766	70.0	79	4.9	125	1.2	30	11.8	300	16.5	420	41.7	1060
XL	L	19.5	495	73.5	23.3	592	31.0	787	70.0	79	5.3	135	1.2	30	11.8	300	16.5	420	42.4	1078

Item	Spec
Fork Travel	80mm ~ 100mm
Seatpost	Ø27.2mm
Seat collar	Ø30.9mm
F. Derailleur	Ø31.8mm
B.B. Shell	68mm
Headset	OS integrated 36°x Ø44mm

## XC – Full Suspension

Sizing		ST (c-t)		A	TT (c-c)		SO		B	TRL	HT		BBD		BBH		CS		WB	
Asia	West	[in.]	[mm]	(°)	[in.]	[mm]	[in.]	[mm]	(°)		[in.]	[mm]	[in.]	[mm]	[in.]	[mm]	[in.]	[mm]	[in.]	[mm]
M	S	16.5	420	73.5	22.1	562	28.4	722	69.5	81.5	4.3	110	0.2	5	12.8	325	16.5	420	41.7	1060
L	M	18.0	460	73.5	22.8	580	28.4	722	69.5	81.5	4.7	120	0.2	5	12.8	325	16.5	420	42.4	1078
XL	L	19.5	495	73.5	23.5	598	28.4	722	69.5	81.5	5.1	130	0.2	5	12.8	325	16.5	420	43.1	1096

Item	Spec
Fork Travel	100mm
Seatpost	Ø27.2mm
Seat collar	Ø30.9mm
F. Derailleur	Ø31.8mm
B.B. Shell	68mm
Headset	OS integrated 36°x Ø44mm





PREMIUM FULLY

**COMPOUND-56 [MD-F14]**



**NEW MODEL**

- All-Mountain / FreeRide-Lite Fully
- Travel adjustments:
  - 135mm (5.3") / 160mm (6.2").
- Head angle adjustments:
  - All-Mountain 68.5° / Free Ride 67.5°.
- Torsionally stiff for tracking precision

**EXCLUSIVE DETAILS**

- Element-specific **Fox Shox DHX Air 4.0**
- **Open-Source Pivot (OSP)** Position
  - sealed cartridge bearings
- **A.S.A.P.**™ kinematics
  - Vertical axle-path for AM
  - absorbs drops and big-hit
- Very low standover height on all frame sizes
- **1 point5** head tube
- **Fusion™ 36-OS** adjustable headset included
  - Adjustable head tube angle and stack
  - Fine-tuning range for 145~170mm forks

**DETAILS**

- Materials:
- Color: Shades of Grey
- Frame Weight (16.5"): 2.8 kg
- Adjustable **E.G.S.**™ geometry
  - Standard Sizes: 16.5" / 18" / 19.5"
- Made in Taiwan

**INTENDED USE**

- All-Mountain / Enduro / FreeRide Lite
- Suggested Forks (140mm ~ 160mm):
  - Fox 36 TALAS RC2
  - Manitou Nixon Platinum



frame and frameset options





FR HARDTAIL

**XENON-E [MD-14]****UPDATES TO XENON-E**

- Improved CNC dropouts and derailleur hanger
- Available as
  - Frame-only, Frameset kit or Complete-Bike

**FRAME DETAILS**

- Material: Butted AL7005
- **1point5** head tube
  - Compatible for both 1-1/8" and 1.5" forks
  - **Fusion™ 36-OS** adjustable headset included
  - Adjustable Head Tube Angle
- CNC Head Tube / BB / Yokes / Dropouts
- ISCG tabs
- Colors
  - matte-military-green
  - matte-black
- Frame Weight (13.5"): 2.2kg
- Element E.G.S.™ geometry for hard-core riding
  - Standard Sizes: 13.5"
- Made in Taiwan

**INTENDED USE**

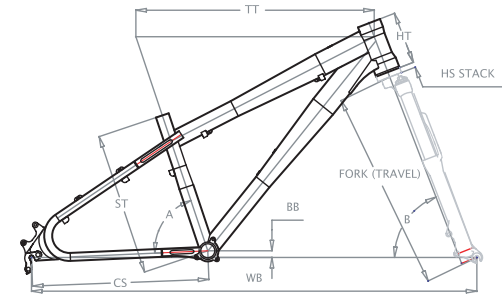
- FreeRide / DirtJump / Urban Assault / 4X
- Suggested Forks (100mm ~ 130mm travel):
  - Manitou Stance / Manitou Travis
  - Fox 32 Vanilla

frame  
and frameset  
options



Frame Geometry will depend on fork travel and headset stack-height

- Choose fork-travel
- Compensate for fork length with correct lower headset stack
- Optional adjustment of head angle / frame-geometry with other lower headset stack



## FR – Hard Tail

Sizing		ST (c-t)		"Fork Travel"		HS Stack		A	TT (c-c)		B	HT		BB (drop)		CS		WB	
Asia	West	[in.]	[mm]	[in.]	[mm]	[in.]	[mm]	(°)	[in.]	[mm]	(°)	[in.]	[mm]	[in.]	[mm]	[in.]	[mm]	[in.]	[mm]
M	S	13.5	340	3.9	100	0	0	74.5	22.0	560	69.5	4.9	125	+0.5	+12	16.5	420	41.7	1060
				3.9	100	0.5	12.5	74	22.0	560	69	4.9	125	+0.6	+16	16.5	420	41.7	1060
				4.7	120	0	0	73.5	22.0	560	68.5	4.9	125	+0.8	+20	16.5	420	41.7	1060
				4.7	120	0.5	12.5	73	22.0	560	68	4.9	125	+0.9	+23	16.5	420	41.7	1060

Item	Spec
Fork Travel	100mm~130mm
Seatpost	Ø27.2mm
Seat collar	Ø31.8mm
F. Derailleur	Ø34.9mm
B.B. Shell	73mm ISCG
R. Hub	standard 135mm
Head Tube	1point5 (1.5")

## AM / FR – Full Suspension

### ALL-MOUNTAIN SETUP (68.5° Head Angle)

Sizing		ST (c-t)		A	TT (c-c)		SO	B	TRL	HT		BBD		BBH	CS		WB			
Asia	West	[in.]	[mm]	(°)	[in.]	[mm]	[in.]	[mm]	(°)	[mm]	[in.]	[mm]	[in.]	[mm]	[in.]	[mm]	[in.]	[mm]		
M	S	16.5	420	72.5	22.8	580	30.1	765	68.5	89	4.5	115	-0.2	-5	13.4	340	16.9	428	43.0	1093
L	M	18.0	460	72.5	23.4	595	30.1	765	68.5	89	4.9	125	-0.2	-5	13.4	340	16.9	428	43.6	1108
XL	L	19.5	495	72.5	24.0	610	30.1	765	68.5	89	5.3	135	-0.2	-5	13.4	340	16.9	428	44.2	1123

Item	Spec
Fork Travel	140mm~160mm
Seatpost	Ø31.6mm
Seat collar	Ø34.9mm
F. Derailleur	Ø34.9mm
B.B. Shell	73mm ISCG
R. Hub	standard 135mm
Head Tube	1point5 (1.5")

### FREE RIDE SETUP (67.5° Head Angle)

Sizing		ST (c-t)		A	TT (c-c)		SO	B	TRL	HT		BBD		BBH	CS		WB			
Asia	West	[in.]	[mm]	(°)	[in.]	[mm]	[in.]	[mm]	(°)	[in.]	[mm]	[in.]	[mm]	[in.]	[mm]	[in.]	[mm]	[in.]	[mm]	
M	S	16.5	420	71.5	22.8	580	29.7	754	67.5	94	4.5	115	0.3	6.8	12.9	328	16.9	430	43.2	1098
L	M	18.0	460	71.5	23.4	595	29.7	754	67.5	94	4.9	125	0.3	6.8	12.9	328	16.9	430	43.8	1113
XL	L	19.5	495	71.5	24.0	610	29.7	754	67.5	94	5.3	135	0.3	6.8	12.9	328	16.9	430	44.4	1128

Note: Frame Measurements with 150mm fork & 2.35" tire (R335mm)

Brand	Series	Travel [mm]	Recommended HS Stack
Fox	32	140	12.5mm stack lower-cup
Manitou	Nixon	145	
Manitou	Sherman	150	
Manitou	Stance	150	Zero-Stack lower-cup
Fox	36	160	

# HEADSETS – 36-OS OVERSIZE BEARING



These headsets feature the large-ball **36-OS** cartridge bearing.

## KRYPTON-36° Oversize Integrated Headset

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

**Note: It is not sold separate from Element 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
- Weight: only 85g
- Bearing: BN-440TA



## FUSION-36 Kit for 1point5 [HP-14A]

The Fusion headset kit adapts the durable **Krypton-36** headset to **any 1point5 (1.5") head-tube 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
- Stem sits 20mm lower with zero-stack upper cup (vs. standard 1.5" headsets)
- Head tube angle can be adjusted with either zero-stack or 12.5mm stack lower cup

### KIT INCLUDES

- Krypton-36 headset for Ø1-1/8"
- Stainless steel lower crown-race, for freeride
- Qty 2 - zero-stack adapters for 1point5
- Qty 1 - 12.5mm-stack adapter for 1point5

### WEIGHT

170g (w/ zero/ zero adapters)  
200g (w/ zero/12.5mm adapters)







## MERCURY

**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 ring 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
- Colors: black, silver, red, blue, gun-metal
- 12mm "semi-deep" cup insertion, for headtube strength

### Mercury AL [HP-66SA]

- Intended usage: Road / XC
- Heat-treated alloy lower crown race
- Weight: 90g
- Bearing: BN-410SS



HP-66SA

### Mercury SS [HP-66TS]

- Intended usage: All-Mountain / Freeride
- Stainless steel lower crown race
- Weight: 106g
- Bearing: BN-410TA



HP-66TS



## SPACER KITS

The perfect match for your Element headset.

- Full carbon-fiber
- One kit includes a set of: 3, 5, 10, 15, 20mm

### Carbon Fiber [WS-118CF]

- For Ø1-1/8"

### Carbon Fiber [WS-100CF]

- For Ø1"

### ELEMENTECH™

12mm SEMI-DEEP CUPS  
Fits most frames





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-Q

Superlight

- CNC Logo and CNC details
- Available in lengths down to 70mm

### FEATURES

- Intended usage: XC
- 3D-Forged AL7075/T6
- Ti screws w/anti-seize thread compound
- Weight (L110mm): 110g

**[Model No. SM-15]**

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

**[Model No. SM-16]**

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



COLOR LOGO  
IS STANDARD

CNC LOGO STEM  
CAP

## NEON-X

Very Light

- Available in lengths down to 70mm
- Laser Logo

### FEATURES

- Intended usage:  
XC / Adventure / All-Mountain
- 3D-Forged AL6061/T6
- Cro-Mo screws
- Weight (L110mm): 135g

**[Model No. SM-25]**

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

**[Model No. SM-26]**

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



## HELIUM-N

### FEATURES

- Intended usage: XC
- CNC AL6061/T6 w/stainless-steel screws
- Weight (L100mm): 145g

**[Model No. SM-01]**

Ø25.4mm  
x L90, 100, 110, 120mm x +8°



## ADVANTAGES of Ø25.4mm HANDLEBARS

**Element** doesn't follow trends for fashion, so we are reluctant to give up on **Ø25.4mm** handlebars. Recently, many brands have changed to Ø31.8mm bar diameter. This size has the claimed advantage of being "stiffer and stronger". But let's examine these "benefits" in more detail:

### **Strength:**

Large diameter tubes with thin walls are great in the main tubes of a frame (such as the down-tube of the Element XC frames). However, in clamped areas, this concept doesn't work as well...so wall thickness on oversize bars cannot be thinner compared to Ø25.4mm bars. This is why Ø31.8mm bars and stems are often heavier.

### **Manufacturability:**

Oversize bars are challenging to manufacture, as they taper 43% from the stem to the grips before they are bent into a riser shape. In such a complex system, thin walls and roundness are difficult to control. This is why many oversize bars do not have very round stem sections and fit poorly in the stem sections. For Ø25.4mm bars, the taper is only 14%, so tolerances can be tighter and bars can be rounder with consistent strength.

### **Weight:**

Compared to Ø25.4mm, a set of oversize stem + bar tends to be 25~30g heavier.

### **Stiffness:**

Since heavier parts are inherently stiffer, some of the extra stiffness of Ø31.8mm is simply due to weight increase.

### **Reliability:**

Element Technic bars in Ø25.4mm have been carefully developed and are manufactured with precision. They have a proven service life. Why change for the sake of fashion?

## ELEMENT Ø31.8mm HANDLEBARS

We realize you may already own an oversize stem (or handlebar), but still wish to use an Element bar (or stem). So, we are offering 2 series of handlebars and stem in Ø31.8mm for aftermarket sales:

- Carbon-fiber bar in Ø31.8mm (good roundness since it is molded not bent) and superlight stem
- Heavy-duty bar and stem, since weight is not a priority.

But for our complete bikes, we will continue to spec Ø25.4mm bars to pass the weight and cost savings to our customers

**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.

## FEATURES

- 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

## INDIUM-X

### FEATURES

- Flat Bar
- Weight: 135g

### [HD-11CF]

Ø25.4mm x 580mm width x 7° sweep



## RADIUM-F

### FEATURES

- Riser Bar
- Weight: 165g

### [HD-22CF]

Ø25.4mm x 660mm width x 9° sweep, 35mm rise



## RADIUM-OS

### FEATURES

- Ø31.8mm Riser Bar
- Weight: 185g

### [HD-26]

660mm width, 8° sweep, 25mm rise



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

**Element Technic** alloy riser bars are designed with increased up-sweep to improve rider comfort and control.

- Special sweep and rise for control and comfort
- Precision tolerances on bar diameter and wall-thickness
- Heat-treated butted AL7075 alloys
- Dual surface treatments:
  - Shot-peened center and bends for maximum fatigue strength
  - Polished ends for better adhesion of grips
- Marked ends for easy cutting

## BARIUM-Q

### FEATURES

- Low Riser
- Intended usage: XC / All-Mountain
- Weight: 198g

### [HD-520B]

630mm width, 8° back-sweep x 8° up-sweep, 15mm rise



## PLUTON-O

### FEATURES

- Mid Riser
- Intended usage: All-Mountain / Freeride
- Weight: 230g

### [HD-537]

650mm width, 8° back-sweep, x 10° up-sweep, 30mm rise



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

## OXY-Z Full Carbon

### FEATURES

- Superlight monocoque zero-offset post
- Intended usage: XC / Marathon
- Full carbon shaft and clamps
- Carbon weave finish
- Weight: 170g

[Model No. SP-700]

Size: Ø27.2mm x L320mm



## GRAPH-Q Full Carbon

### FEATURES

- Monocoque setback post
- Intended usage: XC / Marathon
- Full carbon shaft
- Carbon weave finish
- Weight: 200g

[Model No. SP-750]

Size: Ø27.2mm x L350mm



## ARGON-V Alloy 7075

### FEATURES

- One-piece Zero-offset post
- High-strength and lightweight
- All-Purpose usage:  
XC / Marathon / All-Mountain / Freeride
- 3-D forged AL7075/T6 shaft
- Black anodized finish
- Weight: 215g / 230g

[Model No. SP-880-272]

Size: Ø27.2mm x L400mm

[Model No. SP-880-316]

Size: Ø31.6mm x L400mm



For masochists only...

## PLUTON bars

### FEATURES

- Intended usage:  
All-Mountain / Freeride / Enduro
- 680mm width, 9° back-sweep x 10° up-sweep, 30mm rise
- Weight: 230g / 250g

#### [Model No. HD-537]

Ø25.4 mm x 650mm x 8°

#### [Model No. HD-536-OS]

Ø31.8 mm x 680mm x 9°



## FREEDUM-E stem

### FEATURES

- Knee-Friendly steerer clamp
- CNC'd AL6061
- CNC logo
- Intended usage: FreeRide, Jump
- Weight: 260g

#### [Model No. SM-35]

Ø25.4mm x L50mm

#### [Model No. SM-36]

Ø31.8mm x L50mm



SM-35

SM-36

## FREEDUM-F seatpost

### FEATURES

- Heavy-Duty Guts
- Black Anodized AL6061
- Intended usage: FreeRide, Jump

#### [[Model No. SP-950]

Ø27.2mm x L350mm





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

## FEATURES

- Precision CNC fabrication
- Sealed Cartridge Bearings: Front: x2 / Rear: x4
- Polished black-anodized finish with laser logo
- International 6-bolt disc bolt pattern
- Includes QR's (except thru-axles)

## TECHNIUM XC-SL

### DETAILS

- Lightweight and Durable
- Oversize alloy axles
- Elegant Element Style
- Intended Usage: XC / All-Mountain
- AL7075 alloy cassette body
- Includes QR's
- Weights (w/o QR): 185g / 290g

**[Model No. HB-XC100]**

Front hub: OLD100mm x 32H  
Rear hub: OLD135mm x 32H



## TECHNIUM XC

### DETAILS

- Elegant and Durable
- Intended Usage: XC / All-Mountain
- AL7075 alloy cassette body
- Includes QR's
- Weights (w/o QR): 230 / 360g

**[Model No. HB-XC101]**

Front hub: OLD100mm x 32H  
Rear hub: OLD135mm x 32H



## TECHNIUM FR

### DETAILS

- Durable
- Intended Usage: All-Mountain / Freeride
- 20mm Thru Axle front hub
- Heat-treated steel cassette body
- Includes rear QR
- Weight (w/o QR): 235 / 460g

**[Model No. HB-FR202]**

Front hub: OLD110mm x Ø20mm x 32H  
Rear hub: OLD135mm x Ø10mm x 32H



Vibration-damping carbon legs can truly lighten your ride.

Weight savings of up to 600g vs. non-rigid forks.

NITRON-Q  
LIGHTENED WITH  
SPAR-Q FORK



## SPAR-Q disc

### FEATURES

- Disc brake only
- Carbon Legs
- Forged Crown and Dropouts
- Intended usage: XC only
- Weight: 750g (uncut)

### [Model No. FK-500]

For 26" wheels

Fork Length:

445mm(axle-to-crown)

Offset: 45mm



## SPAR-Q dual

### FEATURES

- Disc and V-brake compatible
- Carbon Legs
- Removable v-brake posts
- Intended usage: XC only
- Weight: 800g (uncut)

### [Model No. FK-510]

For 26" wheels

Fork Length:

445mm(axle-to-crown)

Offset: 45mm



Element Bottle Cages are back. Now in top-quality carbon.

## RACELIGHT

### FEATURES:

- Super Light Race Cage
- Full-Carbon
- Rubber Tickler Gripper
- Low Profile screws
- Intended usage: XC only
- Weight: 16g

[Model No. WC-64]



## MARATHON

### FEATURES:

- Lightweight Cage
- Full-Carbon
- Rubber Tickler Gripper
- Low Profile screws
- Intended usage: XC/Marathon
- Weight: 24g

[Model No. WC-65]



## GRIPTONITE LOCKING GRIPS

### FEATURES:

- Diamond-knurl Kraton rubber grip
- Dual alloy lock-rings clamp securely using 3mm allen-key
- Intended usage: XC/All-Mountain/Freeride
- Black rubber / Black anodized with laser-logo
- Includes end-plugs

### [Model No. GP-33L]

Full size for use with trigger-shifters  
 L130mm  
 Weight:122g/pair



### [Model No. GP-33S]

For use with twist-shifters  
 L80mm  
 Weight:86g/pair



## CHAINSTAY PROTECTORS

### FEATURES:

- Cordura nylon w/velcro
- Black w/Element logo

### SIZES:

M(fits most chain stays)  
 L(fits over size chain stays)





## MINI PUMPS

### FEATURES:

- Alloy construction
- Thumblock dual-head
- Folding T-handle

#### [Model No. MP-ELM002]

- Easy-read bar-type gauge
- Length: 285mm

#### [Model No. MP-ELM102]

- Hi-pressure/Hi-volume switchable
- Telescopic
- Length: 220mm

#### [Model No. MP-ELM101]

- Basic design
- Length: 273mm



## BAGS

### FEATURES:

- 1680D polyester
- Black
- Reflective logo

#### [Model No. BG-SH-701MR]

- Saddle bag
- Reflective tape
- Loop for attaching flasher
- Convertible volume
- Velcro straps



#### [Model No. BG-CS-103R]

- Small Handlebar Bag
- Map Pocket
- 8" x 4" x 7"
- (203mm x 102mm x 191mm)



#### [Model No. BG-SH-3404R]

- Large Handlebar Bag
- Map Pocket
- Bottle pocket
- 13" x 7" x 8"
- (330mm x 178mm x 203mm)



## KRYPTON-36 BEARINGS

Bearing Steel

Compatibility: 36-OS Element Frames, Fusion headset

Size:

- OD: 44mm
- Height: 8mm
- Chamfers: 36° x 36°



BN-440TA(Steel)

## MERCURY BEARINGS

Stainless Steel

Compatibility:

- Element Fusion headsets
- Many traditional taiwan headsets
- many IS headsets
- many ZS headsets

Size:

- OD: 41.0mm
- Height: 6.5mm
- Chamfers: 45° x 36°



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

## DERAILLEUR HANGERS

**[Part No. DP-2]**

Fits most Element frames since 2004, except as listed below.

**[Part No. DP-3]**

Fits these models:

- Nitron-Q 2005 [MD-9]
- Elegant 2004 [MD-9]
- Xenon-X 2005-2006 [MD-14]







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Carving Trails on the Xenon-E in the U.K.



Photo courtesy of RHUK

XC Racing on the Nitron-Q in Korea



photo courtesy of EPS International

## CONTACT ELEMENT

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The logo for ELEMENT TECHNIC CO. features the word "ELEMENT" in a bold, italicized, sans-serif font. The letters are white with a thick black outline, and the entire word is set against a black background that tapers to a point at the ends, creating a sense of motion and speed.

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Products and Specifications are Subject to Change without Notice!  
Actual Product Might not be as Shown!