

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

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.

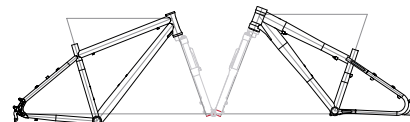
Element frames position the rider in a way which is:

- 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 translates 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

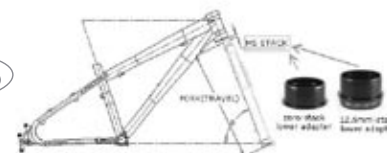
OnePointFive (Ø1.5") Compatible Head Tube - for All-Mountain and Free Ride

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



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**.

E.G.S.™ Equilibrium Geometry System

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
- Axle-Path
- Pedal Reaction
- Bump Reaction
- Shock Rate
- Lateral Stiffness
- Standover Height
- Number of Pivots
- Maintenance
- 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]



color option

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

MAXIMUM VIBE

Vertical Damping Technology

Equilibrium
E.G.S.
GEOMETRY SYSTEM

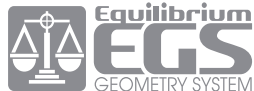


PREMIUM PERFORMANCE

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

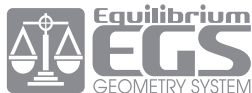
- Double-Pass Welds
- CNC dropout detailing



frame
and frameset
options

PREMIUM VALUE

PROTON-D [MD-12]



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



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

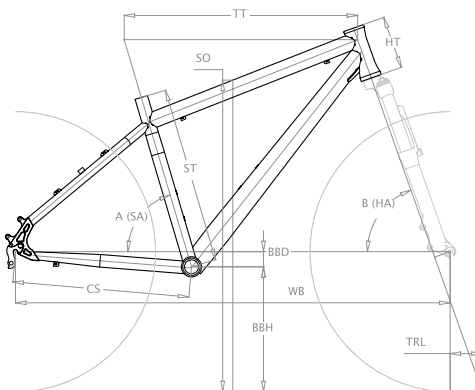
Sizing		ST (c-t)		A	TT (c-c)		SO		B	TRL	HT		BBD		BBH		CS		WB	
Asia	West	[in.]	[mm]	(°)	[in.]	[mm]	[in.]	[mm]	(°)		[in.]	[mm]	[in.]	[mm]	[in.]	[mm]	[in.]	[mm]	[in.]	[mm]
S	XS	14.0	355	73.5	21.2	539	27.2	591	70.0	79	4.1	105	1.2	30	11.8	300	16.5	420	40.3	1024
M	S	16.5	420	73.5	21.9	557	29.0	737	70.0	79	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. Deraillieur	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. Deraillieur	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

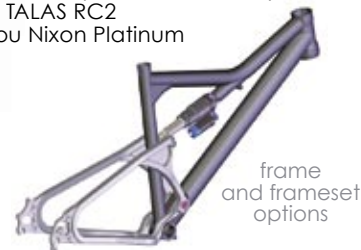
- Element-specific **Fox Shox DHX Air 4.0**
- **Open-Source Pivot (OSP)** Position
 - sealed cartridge bearings
- **A.S.A.P.**™ kinematics
 - Vertical axle-path for AM
 - absorbs drops and big-hit
- Very low standover height on all frame sizes
- **1point5** head tube
- **Fusion™ 36-OS** adjustable headset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



[A.S.A.P.]
APPLICATION SPECIFIC AXLE PATH

OSP
OPEN SOURCE PIVOT

Equilibrium
EGS
GEOMETRY SYSTEM

36-OS
BARREL
HEADSET

onepointfive
INTERFACE STANDARD
fusion

FR HARDTAIL

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

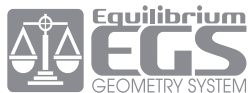
- Improved CNC dropouts and derailleur hanger
- Available as
 - Frame-only, Frameset kit or Complete-Bike

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

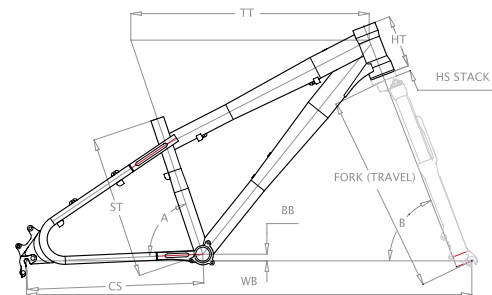
- FreeRide / DirtJump / Urban Assault / 4X
- Suggested Forks (100mm ~ 130mm travel):
 - Manitou Stance / Manitou Travis
 - Fox 32 Vanilla

frame
and frameset
options

AM & FR – FRAME GEOMETRY

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. Deraillleur	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. Deraillleur	Ø34.9mm
B.B. Shell	73mm ISCG
R. Hub	standard 135mm
Head Tube	1point5 (1.5")

FREE RIDE SETUP (67.0° 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	71.0	22.8	580	29.4	748	67.0	98	4.5	115	0.5	12.5	12.7	322.5	16.9	430	43.2	1098
L	M	18.0	460	71.0	23.4	595	29.4	748	67.0	98	4.9	125	0.5	12.5	12.7	322.5	16.9	430	43.8	1113
XL	L	19.5	495	71.0	24.0	610	29.4	748	67.0	98	5.3	135	0.5	12.5	12.7	322.5	16.9	430	44.4	1128

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

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

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
- Weight: only 85g



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)



Zero-Stack
UPPER ADAPTER



Krypton-36
OVERSIZE Ø1-1/8" HEADSET



Zero-Stack
LOWER ADAPTER



12.5mm
LOWER ADAPTER

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
- 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-66AL]

- Intended usage: Road / XC
- Heat-treated alloy lower crown race
- Weight: 92g



Mercury SS [HP-66SS]

- Intended usage: All-Mountain / Freeride
- Stainless steel lower crown race
- Weight: 104g



ELEMENTECH™

12mm SEMI-DEEP CUPS



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"



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°



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?

ADVANTAGES of 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 650mm 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]

660mm width, 9° 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 L350mm

[Model No. SP-880-316]

Size: Ø31.6mm x L350mm



For masochists only...

PLUTON bars

FEATURES

- Intended usage:
All-Mountain / Freeride / Enduro
- 660mm width, 9° back-sweep x 10° up-sweep, 30mm rise
- Weight: 230g / 250g

[Model No. HD-537]

Ø25.4 mm

[Model No. HD-536-OS]

Ø31.8 mm



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 L57mm



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
- Matte carbon-weave, polished silver
- 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
- Matte carbon-weave, polished silver
- 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]



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



MP-ELM002

MP-ELM102

MP-ELM101

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-340R]

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

Size:

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



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°



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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