

RIDE-9™ Setup Guide



RIDE-9™
ADJUSTMENT SYSTEM

This guide introduces the geometry and suspension of the RIDE-9™ system. It describes the range of the bike's RIDE-9™ positions, and provides setup information for riders, mechanics, and suspension professionals.



VERSION 2.0

English

VERSION 2.0

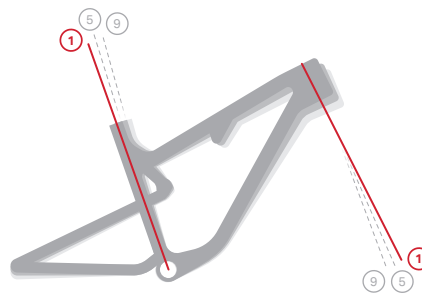
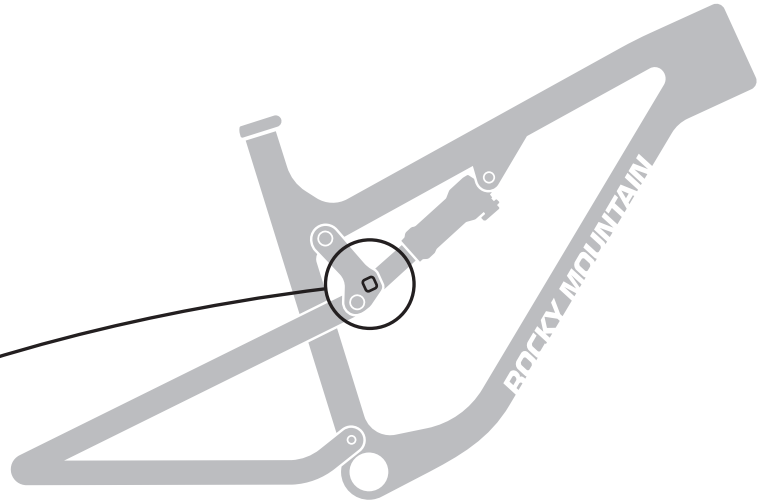
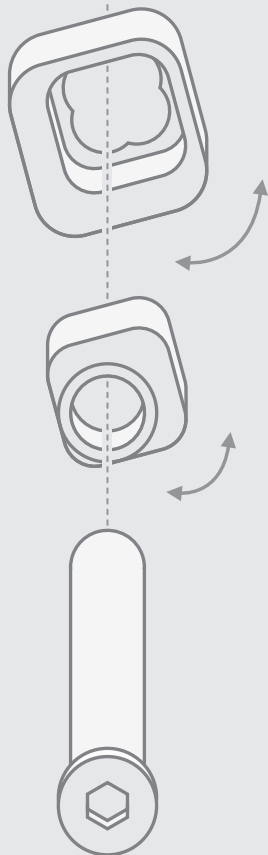
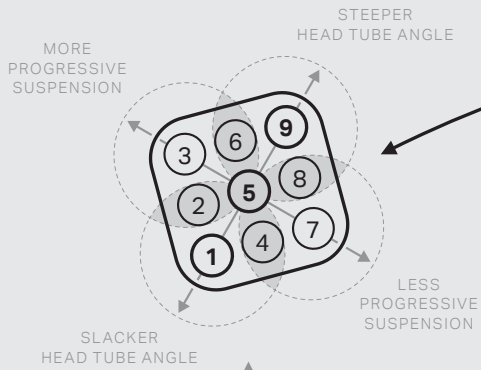
Table of Contents

3	RIDE-9™ System
4	Setup Tips & Terms
6	Suspension Information
7	Element
11	Element XCO Edition
15	Thunderbolt
19	Thunderbolt BC Edition
23	Instinct
27	Pipeline
31	Altitude
35	Altitude Powerplay
39	For More Information
40	Contact Information



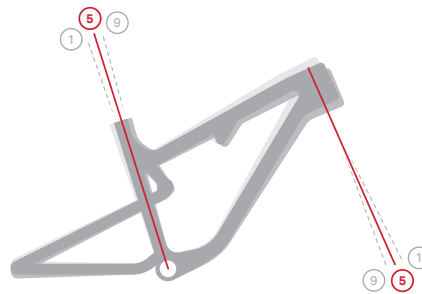
READY FOR ANY TRAIL

The RIDE-9™ adjustment system allows you to quickly fine-tune your geometry and suspension with a pair of Allen keys.



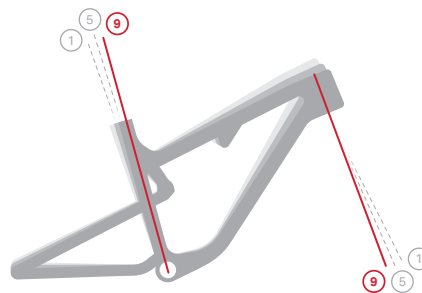
Position 1
SLACK

Stability at high speeds. Recommended for more aggressive trail riding.



Position 5
NEUTRAL

Balanced handling and stability.



Position 9
STEEP

Quicker handling and recommended for better climbing traction.

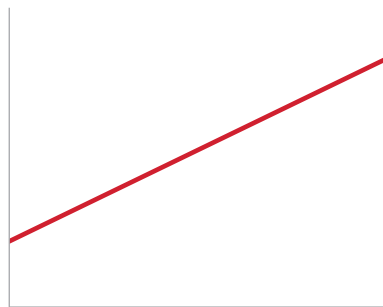
SETUP TIPS

Suspension and geometry setup are complex art forms with huge variations in rider style, preference, terrain, and ability. We do recommend the use of professional services, but we also believe that learning to dial in your own bike is the best way to fully understand its performance.

Adjust your RIDE-9™ position for geometry before considering suspension effects, or variables like air pressure and shock compression. Make gradual, incremental changes, take notes, and be methodical. Don't adjust in a hurry before a big ride. Take your time and enjoy the process.

TERMS

Suspension Rise is the difference between how hard it is to move the suspension at the beginning of travel and how hard it is to move the suspension at the end of travel. Higher suspension rise makes a bike softer at the start of travel and firmer at the end of travel; on the other hand, too much suspension rise will cause a bike to feel harsh. We measure suspension rise in percent (eg. 40% is higher rise than 30%).

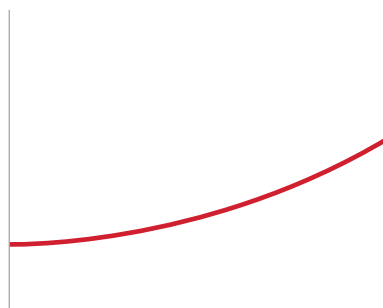


High Rising Rate



Low Rising Rate

Suspension Progression is the function that increases or “ramps up” the rate of rise throughout the suspension curve. More progression means the effects of suspension rise will be felt further into the travel. Suspension that’s too progressive can cause the bike to wallow at sag, while suspension that’s too linear can cause a harsh feeling at sag or allow the bike to approach bottom-out too quickly.

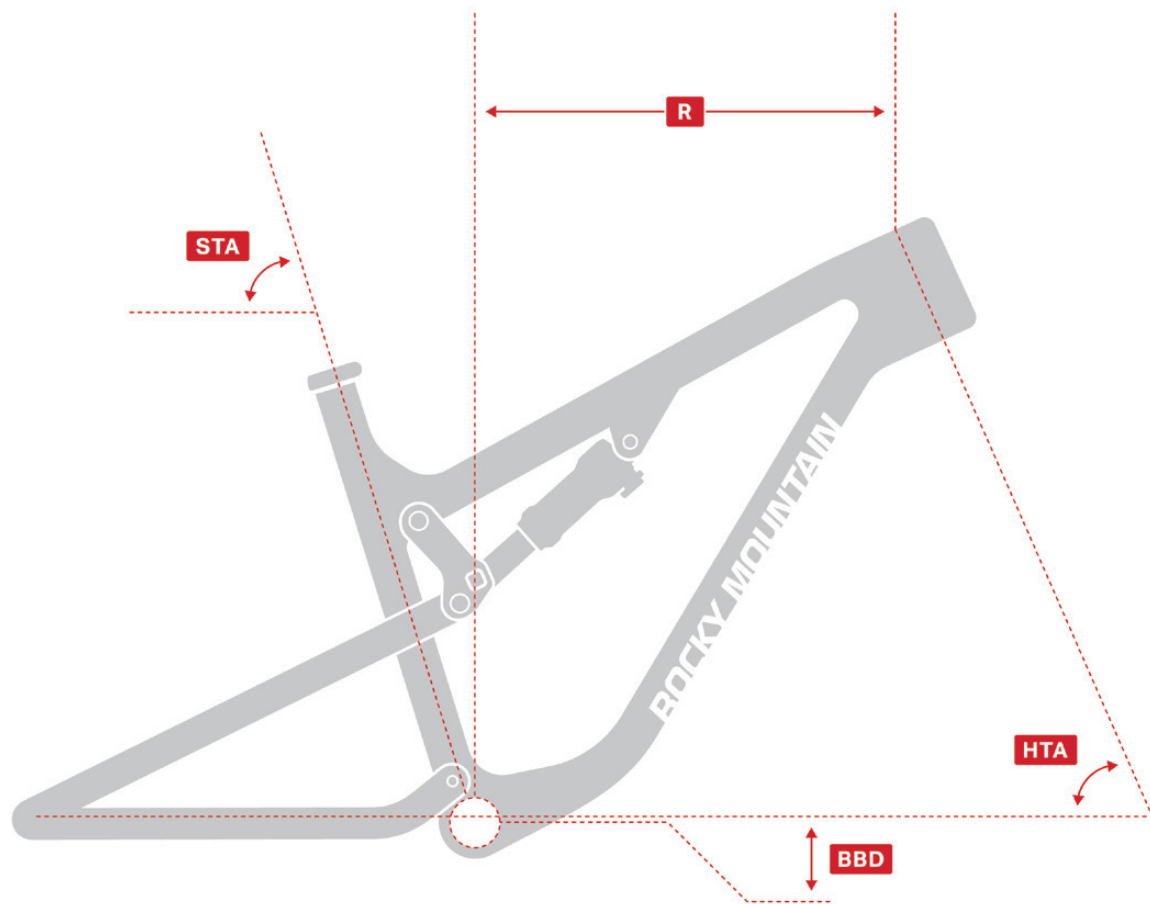


Progressive Rising Rate



Linear Rising Rate

TERMS, CONTINUED



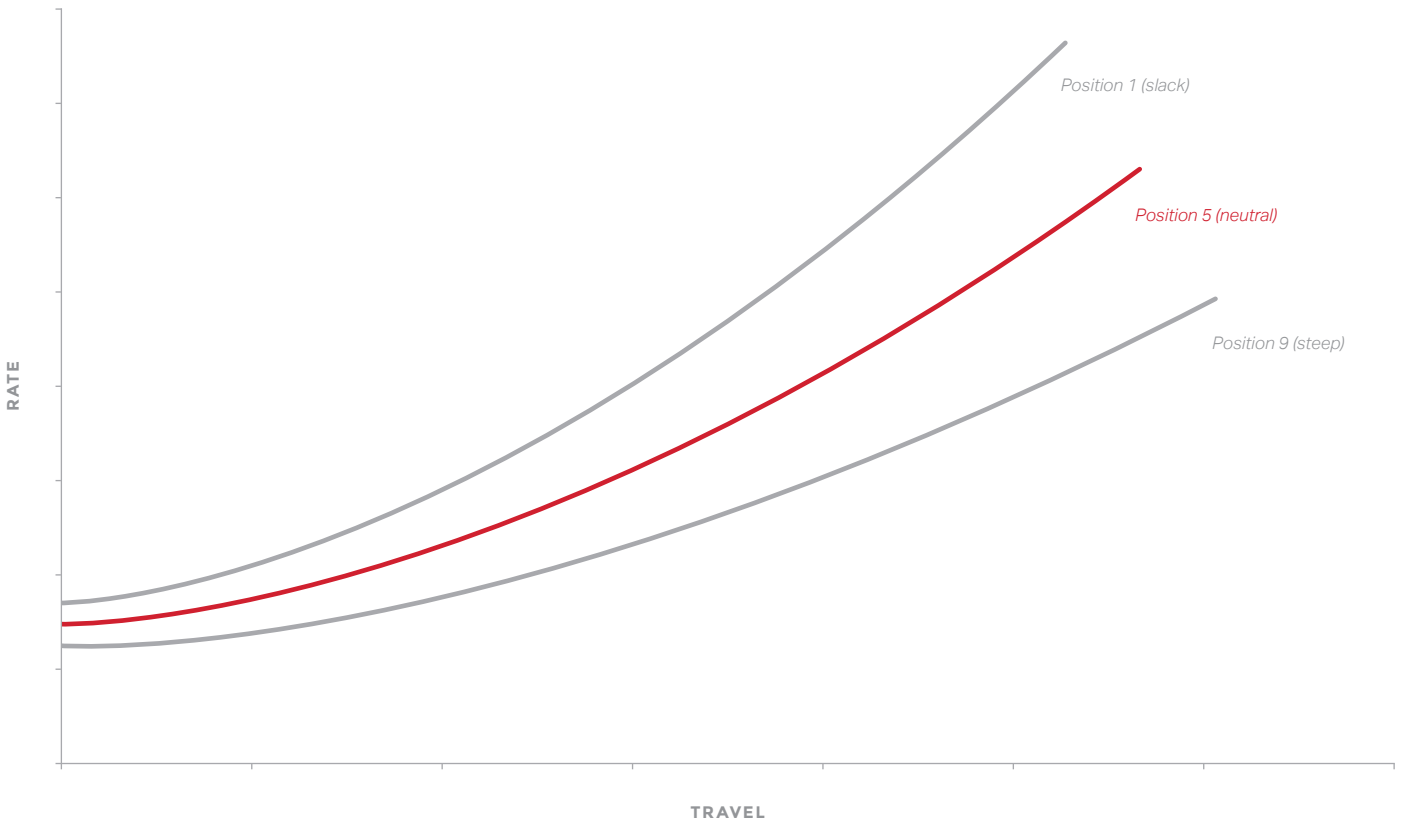
Bottom Bracket Drop (BBD) is how far below the height of the axles your bottom bracket is. More bottom bracket drop means a lower bottom bracket, which is critical in determining your centre of gravity. More bottom bracket drop (lower bottom bracket) makes cornering easier and increases the feeling of being “in” the bike, while less bottom bracket drop (higher bottom bracket) makes it easier to avoid pedal strikes.

Head Tube Angle (HTA) is the angle from the ground to the fork. A slacker head tube angle allows the bike to plow over obstacles more easily, while a steeper head tube angle makes the bike respond faster to steering input.

Reach (R) is the horizontal distance measured from the bottom bracket to the head tube. It determines how the bike fits while the rider is standing up. Shorter reach makes the bike more agile and playful. Longer reach provides a roomier cockpit.

Seat Tube Angle (STA) is the angle from the ground to the seat tube, measured from bottom bracket to top of the extended seatpost. Steeper seat tube angles put the rider in a more powerful pedaling and climbing position, but too steep will cause awkward pedaling and steering dynamics.

SUSPENSION INFORMATION



We tuned our four-bar Smoothlink™ suspension to increase the anti-squat values and maximize pedaling performance without sacrificing the traditional Rocky Mountain ride feel. It has a moderately progressive rate curve, and a rising rate that's adjustable between 20% and 50%.



Photo: Andy Vathis
Location: Quebec, Canada

Element

DESIGNED FOR
XC

FRONT TRAVEL
120 MM

REAR TRAVEL
100 MM

WHEEL SIZE
29"

Be in your Element. This is the result of over two decades at the front of the pack.

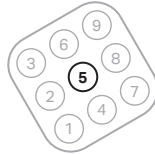
The Element features efficient suspension performance, refined geometry, RIDE-9™ adjustability, and room for two bottles inside the front triangle. Now available in both carbon and alloy models, the smallest details were examined in the search of weight savings, point-n-shoot rigidity, and unrivaled speed.



ELEMENT RIDE-9™ POSITIONS

POSITION 1 *Slack* POSITION 2 POSITION 3 POSITION 4 **POSITION 5** *Neutral* POSITION 6 POSITION 7 POSITION 8 POSITION 9 *Steep*

Suspension Rise
35%



Suspension Progression
Progressive



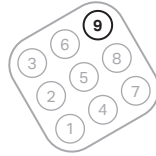
	HTA	STA	STL	TTH	HTL	RC	BBD	SH	WB	R	S
SM	69.2°	74.7°	394	566	93	438	38	823	1108	401	602
MD	69.2°	74.7°	432	591	103	438	38	821	1134	424	611
LG	69.2°	74.7°	470	616	118	438	38	822	1161	445	625
XL	69.2°	74.7°	508	646	128	438	38	820	1192	472	635
XXL	69.2°	74.7°	546	666	143	438	38	821	1213	489	649

- HTA** *Head Tube Angle (deg)*
- STA** *Seat Tube Angle (deg)*
- STL** *Seat Tube Length (mm)*
- TTH** *Top Tube Horizontal (mm)*
- HTL** *Head Tube Length (mm)*
- RC** *Rear Centre (mm)*
- BBD** *Bottom Bracket Drop (mm)*
- SH** *Standover Height (mm)*
- WB** *Wheelbase (mm)*
- R** *Reach (mm)*
- S** *Stack (mm)*

ELEMENT RIDE-9™ POSITIONS

POSITION 1 *Slack* POSITION 2 POSITION 3 POSITION 4 POSITION 5 *Neutral* POSITION 6 POSITION 7 POSITION 8 POSITION 9 *Steep*

Suspension Rise
30%



Suspension Progression
Progressive



	HTA	STA	STL	TTH	HTL	RC	BBD	SH	WB	R	S
SM	69.8°	75.3°	394	564	93	437	31	825	1108	407	598
MD	69.8°	75.3°	432	589	103	437	31	823	1134	430	607
LG	69.8°	75.3°	470	614	118	437	31	824	1160	451	621
XL	69.8°	75.3°	508	644	128	437	31	822	1191	478	630
XXL	69.8°	75.3°	546	664	143	437	31	824	1213	495	644

- HTA** Head Tube Angle (deg)
- STA** Seat Tube Angle (deg)
- STL** Seat Tube Length (mm)
- TTH** Top Tube Horizontal (mm)
- HTL** Head Tube Length (mm)
- RC** Rear Centre (mm)
- BBD** Bottom Bracket Drop (mm)
- SH** Standover Height (mm)
- WB** Wheelbase (mm)
- R** Reach (mm)
- S** Stack (mm)

Element Carbon 70 XCO Edition

DESIGNED FOR
XC Race

FRONT TRAVEL
100 MM

REAR TRAVEL
100 MM

WHEEL SIZE
29"

Arms up over the line.

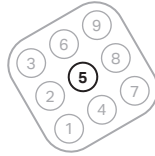
Designed to excel at the pinnacle of short track racing, the Element XCO Edition features a special build for even more aggressive XC race geometry and lighter weight.



ELEMENT CARBON 70 XCO ED. RIDE-9™ POSITIONS

POSITION 1 *Slack* POSITION 2 POSITION 3 POSITION 4 **POSITION 5** *Neutral* POSITION 6 POSITION 7 POSITION 8 POSITION 9 *Steep*

Suspension Rise
35%



Suspension Progression
Progressive



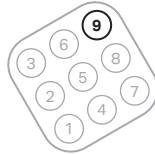
	HTA	STA	STL	TTH	HTL	RC	BBD	SH	WB	R	S
SM	69.8°	75.3°	394	564	93	438	43	812	1104	408	597
MD	69.8°	75.3°	432	589	103	438	43	811	1130	430	607
LG	69.8°	75.3°	470	614	118	438	43	812	1157	452	621
XL	69.8°	75.3°	508	644	128	438	42	810	1188	479	630
XXL	69.8°	75.3°	546	664	143	438	42	812	1209	495	644

- HTA** Head Tube Angle (deg)
- STA** Seat Tube Angle (deg)
- STL** Seat Tube Length (mm)
- TTH** Top Tube Horizontal (mm)
- HTL** Head Tube Length (mm)
- RC** Rear Centre (mm)
- BBD** Bottom Bracket Drop (mm)
- SH** Standover Height (mm)
- WB** Wheelbase (mm)
- R** Reach (mm)
- S** Stack (mm)

ELEMENT CARBON 70 XCO ED. RIDE-9™ POSITIONS

POSITION 1 *Slack* POSITION 2 POSITION 3 POSITION 4 POSITION 5 *Neutral* POSITION 6 POSITION 7 POSITION 8 POSITION 9 *Steep*

Suspension Rise
30%



Suspension Progression
Progressive



	HTA	STA	STL	TTH	HTL	RC	BBD	SH	WB	R	S
SM	70.4°	75.9°	394	563	93	437	36	814	1103	414	593
MD	70.4°	75.9°	432	588	108	437	36	813	1129	436	602
LG	70.4°	75.9°	470	613	118	437	35	814	1156	458	616
XL	70.4°	75.9°	508	642	128	437	35	813	1187	485	625
XXL	70.4°	75.9°	546	662	143	437	35	815	1208	501	639

- HTA** Head Tube Angle (deg)
- STA** Seat Tube Angle (deg)
- STL** Seat Tube Length (mm)
- TTH** Top Tube Horizontal (mm)
- HTL** Head Tube Length (mm)
- RC** Rear Centre (mm)
- BBD** Bottom Bracket Drop (mm)
- SH** Standover Height (mm)
- WB** Wheelbase (mm)
- R** Reach (mm)
- S** Stack (mm)

Thunderbolt

DESIGNED FOR
XC Trail

FRONT TRAVEL
130 MM

REAR TRAVEL
130 MM

WHEEL SIZE
27.5"

Fast as lightning! The Thunderbolt is our vision of a perfect XC-trail bike.

With the Thunderbolt we've designed an all-new carbon frame that pushes the rear travel to 130mm, increases stiffness, lowers the rate curve slightly, and gives the frame a host of next-generation features—but keeps its playful geometry and wide range of RIDE-9™ adjustments. The Thunderbolt is at home on technical climbs, powering through rough stuff, and popping off every trail feature you lay eyes on.



THUNDERBOLT RIDE-9™ POSITIONS

POSITION 1
Slack

POSITION 2

POSITION 3

POSITION 4

POSITION 5
Neutral

POSITION 6

POSITION 7

POSITION 8

POSITION 9
Steep

Suspension Rise
44%



Suspension Progression
Progressive



	HTA	STA	STL	TTH	HTL	RC	BBD	SH	WB	R	S
XS	66.4°	74.4°	356	547	100	426	28	792	1100	385	580
SM	66.4°	74.4°	394	577	110	426	28	792	1132	412	589
MD	66.4°	74.4°	432	602	120	426	28	792	1157	435	599
LG	66.4°	74.4°	471	627	130	426	28	792	1184	458	608
XL	66.4°	74.4°	509	657	145	426	28	792	1217	484	622

HTA Head Tube Angle (deg)
STA Seat Tube Angle (deg)
STL Seat Tube Length (mm)
TTH Top Tube Horizontal (mm)
HTL Head Tube Length (mm)
RC Rear Centre (mm)
BBD Bottom Bracket Drop (mm)
SH Standover Height (mm)
WB Wheelbase (mm)
R Reach (mm)
S Stack (mm)

THUNDERBOLT RIDE-9™ POSITIONS

POSITION 1 *Slack* POSITION 2 POSITION 3 POSITION 4 **POSITION 5** *Neutral* POSITION 6 POSITION 7 POSITION 8 POSITION 9 *Steep*

Suspension Rise
36%



Suspension Progression
Progressive



	HTA	STA	STL	TTH	HTL	RC	BBD	SH	WB	R	S
XS	67°	75°	356	545	100	425	21	795	1099	391	576
SM	67°	75°	394	575	110	425	21	795	1131	418	585
MD	67°	75°	432	600	120	425	21	795	1157	441	594
LG	67°	75°	471	625	130	425	21	795	1184	463	604
XL	67°	75°	509	655	145	425	21	795	1216	490	617

- HTA** Head Tube Angle (deg)
- STA** Seat Tube Angle (deg)
- STL** Seat Tube Length (mm)
- TTH** Top Tube Horizontal (mm)
- HTL** Head Tube Length (mm)
- RC** Rear Centre (mm)
- BBD** Bottom Bracket Drop (mm)
- SH** Standover Height (mm)
- WB** Wheelbase (mm)
- R** Reach (mm)
- S** Stack (mm)

THUNDERBOLT RIDE-9™ POSITIONS

POSITION 1
Slack

POSITION 2

POSITION 3

POSITION 4

POSITION 5
Neutral

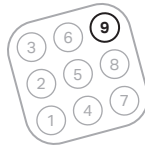
POSITION 6

POSITION 7

POSITION 8

POSITION 9
Steep

Suspension Rise
24%



Suspension Progression
Progressive



	HTA	STA	STL	TTH	HTL	RC	BBD	SH	WB	R	S
XS	67.6°	75.6°	356	544	100	424	13	797	1098	397	572
SM	67.6°	75.6°	394	573.4	110	424	13	797	1130	424	581
MD	67.6°	75.6°	432	598	120	424	13	797	1156	447	590
LG	67.6°	75.6°	471	623	130	424	13	797	1183	469	599
XL	67.6°	75.6°	509	653	145	424	13	797	1215	495	613

- HTA** Head Tube Angle (deg)
- STA** Seat Tube Angle (deg)
- STL** Seat Tube Length (mm)
- TTH** Top Tube Horizontal (mm)
- HTL** Head Tube Length (mm)
- RC** Rear Centre (mm)
- BBD** Bottom Bracket Drop (mm)
- SH** Standover Height (mm)
- WB** Wheelbase (mm)
- R** Reach (mm)
- S** Stack (mm)

Thunderbolt BC EDITION

DESIGNED FOR
Trail

FRONT TRAVEL
140 MM

REAR TRAVEL
140 MM

WHEEL SIZE
27.5"

Born in BC, this is how we do trail bikes.

With a long stroke shock that provides 140mm of rear travel, we've kitted out the Thunderbolt BC Edition with wide bars, big tires, ultra-stiff wheels, and more capable suspension. With a wide range of RIDE-9™ adjustments for whatever terrain you want to tackle, its more aggressive nature is perfect for all-day trail adventures.



THUNDERBOLT BC EDITION RIDE-9™ POSITIONS

POSITION 1
Slack

POSITION 2

POSITION 3

POSITION 4

POSITION 5
Neutral

POSITION 6

POSITION 7

POSITION 8

POSITION 9
Steep

Suspension Rise
43%



Suspension Progression
Progressive



	HTA	STA	STL	TTH	HTL	RC	BBD	SH	WB	R	S
XS	66.6°	74.6°	356	546	100	425	17	802	1103	386	579
SM	66.6°	74.6°	394	576	110	425	17	802	1135	414	588
MD	66.6°	74.6°	432	601	120	425	17	802	1161	436	598
LG	66.6°	74.6°	471	626	130	425	17	802	1188	459	607
XL	66.6°	74.6°	509	656	145	425	17	802	1220	485	621

HTA Head Tube Angle (deg)
STA Seat Tube Angle (deg)
STL Seat Tube Length (mm)
TTH Top Tube Horizontal (mm)
HTL Head Tube Length (mm)
RC Rear Centre (mm)
BBD Bottom Bracket Drop (mm)
SH Standover Height (mm)
WB Wheelbase (mm)
R Reach (mm)
S Stack (mm)

THUNDERBOLT BC EDITION RIDE-9™ POSITIONS

POSITION 1 *Slack* POSITION 2 POSITION 3 POSITION 4 POSITION 5 *Neutral* POSITION 6 POSITION 7 POSITION 8 POSITION 9 *Steep*

Suspension Rise
30%



Suspension Progression
Progressive



	HTA	STA	STL	TTH	HTL	RC	BBD	SH	WB	R	S
XS	67.1°	75.1°	356	545	100	424	10	804	1102	392	575
SM	67.1°	75.1°	394	575	110	424	10	804	1134	419	584
MD	67.1°	75.1°	432	600	120	424	10	804	1160	442	593
LG	67.1°	75.1°	471	625	130	424	10	804	1186	464	603
XL	67.1°	75.1°	509	655	145	424	10	804	1219	491	616

- HTA** Head Tube Angle (deg)
- STA** Seat Tube Angle (deg)
- STL** Seat Tube Length (mm)
- TTH** Top Tube Horizontal (mm)
- HTL** Head Tube Length (mm)
- RC** Rear Centre (mm)
- BBD** Bottom Bracket Drop (mm)
- SH** Standover Height (mm)
- WB** Wheelbase (mm)
- R** Reach (mm)
- S** Stack (mm)

Instinct

DESIGNED FOR
Trail

FRONT TRAVEL
140 MM

REAR TRAVEL
140 MM

WHEEL SIZE
29" (27.5+ ready)

Trust your Instinct. Stable and aggressive, the Instinct is our most versatile trail bike.

With 29" wheels and a wide range of RIDE-9™ adjustments, the all-new Instinct is available in both carbon and alloy models. An all-new frame for 2018 pushes the rear travel to 140mm, increasing stiffness and tweaking the suspension kinematics. Despite the increase in travel, the new frame has noticeably more efficient pedaling, with better small-bump sensitivity and a host of next-generation features.



INSTINCT RIDE-9™ POSITIONS

POSITION 1
Slack

POSITION 2

POSITION 3

POSITION 4

POSITION 5
Neutral

POSITION 6

POSITION 7

POSITION 8

POSITION 9
Steep

Suspension Rise
46%



Suspension Progression
Progressive



	HTA	STA	STL	TTH	HTL	RC	BBD	SH	WB	R	S
SM	66°	74.5°	392	576	95	436	36	816	1154	408	607
MD	66°	74.5°	432	601	100	436	36	811	1179	432	611
LG	66°	74.5°	470	626	110	436	37	810	1206	455	621
XL	66°	74.5°	508	656	120	436	37	809	1237	482	630

- HTA** Head Tube Angle (deg)
- STA** Seat Tube Angle (deg)
- STL** Seat Tube Length (mm)
- TTH** Top Tube Horizontal (mm)
- HTL** Head Tube Length (mm)
- RC** Rear Centre (mm)
- BBD** Bottom Bracket Drop (mm)
- SH** Standover Height (mm)
- WB** Wheelbase (mm)
- R** Reach (mm)
- S** Stack (mm)

INSTINCT RIDE-9™ POSITIONS

POSITION 1 *Slack* POSITION 2 POSITION 3 POSITION 4 **POSITION 5** *Neutral* POSITION 6 POSITION 7 POSITION 8 POSITION 9 *Steep*

Suspension Rise
36%



Suspension Progression
Progressive



	HTA	STA	STL	TTH	HTL	RC	BBD	SH	WB	R	S
SM	66.5°	75°	392	575	95	435	30	818	1154	413	603
MD	66.5°	75°	432	600	100	435	30	814	1179	437	608
LG	66.5°	75°	470	625	110	435	30	813	1206	460	617
XL	66.5°	75°	508	655	120	435	30	812	1237	487	626

- HTA** Head Tube Angle (deg)
- STA** Seat Tube Angle (deg)
- STL** Seat Tube Length (mm)
- TTH** Top Tube Horizontal (mm)
- HTL** Head Tube Length (mm)
- RC** Rear Centre (mm)
- BBD** Bottom Bracket Drop (mm)
- SH** Standover Height (mm)
- WB** Wheelbase (mm)
- R** Reach (mm)
- S** Stack (mm)

INSTINCT RIDE-9™ POSITIONS

POSITION 1 *Slack* POSITION 2 POSITION 3 POSITION 4 POSITION 5 *Neutral* POSITION 6 POSITION 7 POSITION 8 POSITION 9 *Steep*

Suspension Rise
26%



Suspension Progression
Progressive



	HTA	STA	STL	TTH	HTL	RC	BBD	SH	WB	R	S
SM	67°	75.5°	392	574	95	434	23	820	1153	419	599
MD	67°	75.5°	432	599	100	434	23	816	1178	443	604
LG	67°	75.5°	470	624	110	434	23	815	1205	465	613
XL	67°	75.5°	508	654	120	434	23	815	1236	493	622

- HTA** Head Tube Angle (deg)
- STA** Seat Tube Angle (deg)
- STL** Seat Tube Length (mm)
- TTH** Top Tube Horizontal (mm)
- HTL** Head Tube Length (mm)
- RC** Rear Centre (mm)
- BBD** Bottom Bracket Drop (mm)
- SH** Standover Height (mm)
- WB** Wheelbase (mm)
- R** Reach (mm)
- S** Stack (mm)

Pipeline

DESIGNED FOR
Aggressive Trail

FRONT TRAVEL
140 MM

REAR TRAVEL
140 MM

WHEEL SIZE
27.5+ (29" ready)

The all-new Pipeline combines the confidence of plus-sized tires in raw, technical terrain with an aggressive trail chassis.

An all-new 2018 Pipeline frame pushes the rear travel to 140mm, increases stiffness, adjusts the suspension kinematics for more efficient pedaling and better small-bump sensitivity, and gives the frame a host of next-generation features. Available in both carbon and alloy models, the Pipeline plows through greasy roots and square-edged chunder with authority, while providing near limitless traction on rocky, slippery climbs.



PIPELINE RIDE-9™ POSITIONS

POSITION 1
Slack

POSITION 2

POSITION 3

POSITION 4

POSITION 5
Neutral

POSITION 6

POSITION 7

POSITION 8

POSITION 9
Steep

Suspension Rise
36%



Suspension Progression
Progressive



	HTA	STA	STL	TTH	HTL	RC	BBD	SH	WB	R	S
SM	66°	74.5°	392	576	95	435	27	814	1157	409	606
MD	66.1°	74.6°	432	601	100	435	27	810	1183	432	611
LG	66.1°	74.6°	470	626	110	435	27	809	1209	455	620
XL	66.1°	74.6°	508	656	120	435	27	807	1241	483	629

HTA Head Tube Angle (deg)
STA Seat Tube Angle (deg)
STL Seat Tube Length (mm)
TTH Top Tube Horizontal (mm)
HTL Head Tube Length (mm)
RC Rear Centre (mm)
BBD Bottom Bracket Drop (mm)
SH Standover Height (mm)
WB Wheelbase (mm)
R Reach (mm)
S Stack (mm)

PIPELINE RIDE-9™ POSITIONS

POSITION 1 *Slack* POSITION 2 POSITION 3 POSITION 4 POSITION 5 *Neutral* POSITION 6 POSITION 7 POSITION 8 POSITION 9 *Steep*

Suspension Rise
26%



Suspension Progression
Progressive



	HTA	STA	STL	TTH	HTL	RC	BBD	SH	WB	R	S
SM	66.6°	75.1°	392	575	95	434	20	816	1157	414	602
MD	66.6°	75.1°	432	600	100	434	20	812	1182	438	607
LG	66.6°	75.1°	470	625	110	434	20	811	1209	461	616
XL	66.6°	75.1°	508	655	120	434	20	810	1240	488	625

- HTA** Head Tube Angle (deg)
- STA** Seat Tube Angle (deg)
- STL** Seat Tube Length (mm)
- TTH** Top Tube Horizontal (mm)
- HTL** Head Tube Length (mm)
- RC** Rear Centre (mm)
- BBD** Bottom Bracket Drop (mm)
- SH** Standover Height (mm)
- WB** Wheelbase (mm)
- R** Reach (mm)
- S** Stack (mm)

Altitude

DESIGNED FOR
Aggressive Trail

FRONT TRAVEL
160 MM

REAR TRAVEL
150 MM

WHEEL SIZE
27.5 Wide Trail

Taking trail to new heights. Often imitated but never surpassed, the all-new Altitude pushes the envelope of what a modern trail bike is capable of.

For 2018 we've designed an all-new frame to increase stiffness, improve pedaling efficiency and small-bump sensitivity, and include a host of next-generation features. Now available in both carbon and alloy models, the Altitude allows for a wide range of RIDE-9™ adjustments to tackle any terrain—from technical BC loam, to clapped out EWS tracks, flowy New Zealand jumps, and Moab slickrock singletrack.



ALTITUDE RIDE-9™ POSITIONS

POSITION 1
Slack

POSITION 2

POSITION 3

POSITION 4

POSITION 5
Neutral

POSITION 6

POSITION 7

POSITION 8

POSITION 9
Steep

Suspension Rise
46%



Suspension Progression
Progressive



	HTA	STA	STL	TTH	HTL	RC	BBD	SH	WB	R	S
XS	65°	74°	368	548	100	426	13	814	1122	380	589
SM	65°	74°	394	578	110	426	13	814	1153	407	595
MD	65°	74°	432	603	120	426	13	814	1180	430	604
LG	65°	74°	470.5	628	130	426	13	814	1206	452	613
XL	65°	74°	508.5	658	145	426	13	814	1239	479	628

- HTA** Head Tube Angle (deg)
- STA** Seat Tube Angle (deg)
- STL** Seat Tube Length (mm)
- TTH** Top Tube Horizontal (mm)
- HTL** Head Tube Length (mm)
- RC** Rear Centre (mm)
- BBD** Bottom Bracket Drop (mm)
- SH** Standover Height (mm)
- WB** Wheelbase (mm)
- R** Reach (mm)
- S** Stack (mm)

ALTITUDE RIDE-9™ POSITIONS

POSITION 1 *Slack* POSITION 2 POSITION 3 POSITION 4 **POSITION 5** *Neutral* POSITION 6 POSITION 7 POSITION 8 POSITION 9 *Steep*

Suspension Rise
35%



Suspension Progression
Progressive



	HTA	STA	STL	TTH	HTL	RC	BBD	SH	WB	R	S
XS	65.6°	74.6°	368	546	100	425	7	817	1120	385	582
SM	65.6°	74.6°	394	576	110	425	7	817	1152	413	591
MD	65.6°	74.6°	432	601	120	425	7	817	1179	435	600
LG	65.6°	74.6°	470.5	626	130	425	7	817	1205	458	610
XL	65.6°	74.6°	508.5	656	145	425	7	817	1238	484	623

- HTA** Head Tube Angle (deg)
- STA** Seat Tube Angle (deg)
- STL** Seat Tube Length (mm)
- TTH** Top Tube Horizontal (mm)
- HTL** Head Tube Length (mm)
- RC** Rear Centre (mm)
- BBD** Bottom Bracket Drop (mm)
- SH** Standover Height (mm)
- WB** Wheelbase (mm)
- R** Reach (mm)
- S** Stack (mm)

ALTITUDE RIDE-9™ POSITIONS

POSITION 1
Slack

POSITION 2

POSITION 3

POSITION 4

POSITION 5
Neutral

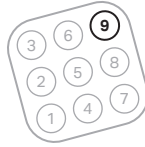
POSITION 6

POSITION 7

POSITION 8

POSITION 9
Steep

Suspension Rise
23%



Suspension Progression
Progressive



	HTA	STA	STL	TTH	HTL	RC	BBD	SH	WB	R	S
XS	66.1°	75.1°	368	545	100	426	-1	820	1119	391	578
SM	66.1°	75.1°	394	575	110	426	-1	820	1150	419	587
MD	66.1°	75.1°	432	600	120	426	-1	820	1177	441	596
LG	66.1°	75.1°	470.5	625	130	426	-1	820	1204	464	605
XL	66.1°	75.1°	508.5	655	145	426	-1	820	1236	490	619

- HTA** Head Tube Angle (deg)
- STA** Seat Tube Angle (deg)
- STL** Seat Tube Length (mm)
- TTH** Top Tube Horizontal (mm)
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Altitude Powerplay

DESIGNED FOR
Aggressive Trail

FRONT TRAVEL
160 MM

REAR TRAVEL
150 MM

WHEEL SIZE
27.5 Wide Trail

Ride more, further, faster. The Altitude Powerplay brings cutting-edge power to an aggressive trail bike, and opens the door to amazing terrain for all.

Introducing a fully integrated, electric-assist mountain bike that takes our Altitude's legendary handling and ride quality and adds a compact, powerful drive system. The new Powerplay™ drive system was designed in parallel with the frame, delivering ultra-short chainstays, optimised suspension kinematics, super-low centre of gravity, and class-leading torque. The result is an e-MTB that actually rides like a proper mountain bike—perfect for everything from self-shuttling all mountain trails, finding flow between the descents, and squeezing in power lunch rides.



ALTITUDE POWERPLAY RIDE-9™ POSITIONS

POSITION 1 *Slack* POSITION 2 POSITION 3 POSITION 4 **POSITION 5** *Neutral* POSITION 6 POSITION 7 POSITION 8 POSITION 9 *Steep*

Suspension Rise
35%



Suspension Progression
Progressive



	HTA	STA	STL	TTH	HTL	RC	BBD	SH	WB	R	S
SM	65°	74.5°	419	578	100	425	7	813	1156	416	579
MD	65.6°	74.6°	457	601	120	425	7	818	1179	435	600
LG	65.6°	74.6°	483	626	130	425	7	816	1205	458	610
XL	65.6°	74.6°	521	656	145	425	7	816	1238	484	623

- HTA** Head Tube Angle (deg)
- STA** Seat Tube Angle (deg)
- STL** Seat Tube Length (mm)
- TTH** Top Tube Horizontal (mm)
- HTL** Head Tube Length (mm)
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- SH** Standover Height (mm)
- WB** Wheelbase (mm)
- R** Reach (mm)
- S** Stack (mm)

ALTITUDE POWERPLAY RIDE-9™ POSITIONS

POSITION 1 *Slack* POSITION 2 POSITION 3 POSITION 4 POSITION 5 *Neutral* POSITION 6 POSITION 7 POSITION 8 POSITION 9 *Steep*

Suspension Rise
23%



Suspension Progression
Progressive



	HTA	STA	STL	TTH	HTL	RC	BBD	SH	WB	R	S
SM	65.6°	75.1°	419	575	100	423	1	816	1155	422	575
MD	66.1°	75.1°	457	600	120	423	1	821	1177	441	596
LG	66.1°	75.1°	483	625	130	423	1	819	1204	464	605
XL	66.1°	75.1°	521	655	145	423	1	819	1236	490	619

- HTA** Head Tube Angle (deg)
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- R** Reach (mm)
- S** Stack (mm)

FOR MORE INFORMATION
[BIKES.COM/RIDE9](https://www.bikes.com/ride9)

Photo: Andy Vathis
Location: Quebec, Canada





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