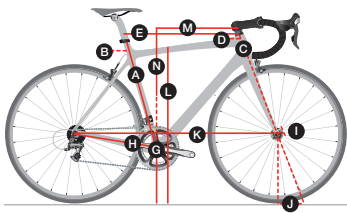
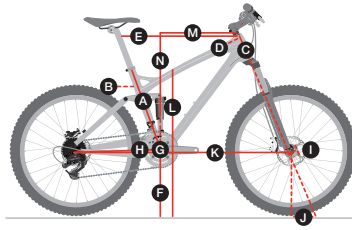


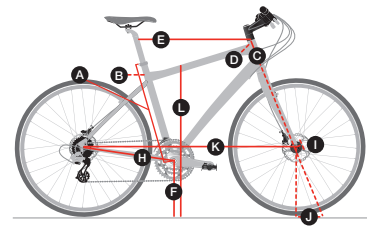
# GEOMETRY GLOSSARY



ROAD BIKES



MOUNTAIN BIKES



CITY BIKES

<b>A</b> Seat tube	The distance from the center of the bottom bracket to the top of the seat tube.	<b>H</b> Chainstay length	The distance from the center of the bottom bracket to the center of the rear axle.
<b>B</b> Seat tube angle	The angle of seat tube to the ground. Tailored to optimize power transmission on each frame size.	<b>I</b> Offset	The perpendicular distance from the steering axis to the center of the front wheel.
<b>C</b> Head tube length	The distance between the upper and lower headset. Affects how high your handlebar is relative to your saddle.	<b>J</b> Trail	The distance the front wheel's contact patch lags behind the steering axis.
<b>D</b> Head angle	The angle of head tube to the ground. Tailored to optimize steering precision on each frame size.	<b>K</b> Wheelbase	The distance between the axles. Tailored to optimize weight distribution on each frame size.
<b>E</b> Effective top tube	The horizontal measure from the center of the headset to the center of the seatpost. The most important measurement when buying a bike, because it cannot be changed.	<b>L</b> Standover	The vertical distance from the ground to the point on the top tube where you straddle the bike, measured 8.25 in front of seat tube.
<b>F</b> Bottom bracket height	The vertical distance from the center of the bottom bracket to the ground. Expresses clearance of the frame over obstacles.	<b>M</b> Frame reach	The horizontal distance from the bottom bracket center to the top of the head tube centerline.
<b>G</b> Bottom bracket drop	The vertical distance the bottom bracket is below an imaginary horizontal line drawn through the axles. The greater the bottom bracket drop, the lower the rider's center of gravity.	<b>N</b> Frame stack	The vertical distance from the bottom bracket center to the top of the head tube centerline.

**Notes:** All sizing and geometry specifications are calculated with a standard wheel size and fork axle to race. Larger volume Tyres as well as different fork lengths will change the dimensions in these charts.

## ROAD GEOMETRY

Models	Frame Size*	Wheel size	A - Seat tube	B - Seat tube angle	C - Head tube length	D - Head angle	E - Effective top tube	F - Bottom bracket height	G - Bottom bracket drop	H - Chainstay length	I - Offset	J - Trail	K - Wheelbase	L - Standover	M - Frame reach	N - Frame stack	Seat height maximum	Seat height minimum	Seat height minimum (short post)	Seat height maximum (short post)	Seat height minimum (long post)	Seat height maximum (long post)
Emonda H15	47 cm	700c	42.4	74.6°	10.0	72.1°	51.2	7.2	41.0	4.5	6.8	97.2	69.2	37.3	50.7		55.5	61.5	59.0	65.0		
	50 cm	700c	45.3	74.6°	11.1	72.1°	52.1	7.2	41.0	4.5	6.2	97.4	71.1	37.8	52.1		58.5	64.5	62.0	68.0		
	52 cm	700c	48.3	74.2°	12.1	72.8°	53.4	7.2	41.0	4.5	5.8	97.7	73.2	38.3	53.3		61.5	67.5	65.0	71.0		
	54 cm	700c	49.6	73.7°	13.1	73.0°	54.3	7.0	41.0	4.5	5.6	98.1	74.4	38.6	54.1		64.0	70.0	67.5	73.5		
	56 cm	700c	52.5	73.3°	15.1	73.5°	55.9	7.0	41.0	4.0	5.8	98.3	76.8	39.1	56.3		67.0	73.0	70.5	76.5		
	58 cm	700c	55.3	73.0°	17.1	73.8°	57.4	6.8	41.1	4.0	5.7	99.2	79.3	39.6	58.1		69.0	75.0	72.5	78.5		
	60 cm	700c	57.3	72.8°	19.1	73.9°	58.6	6.8	41.1	4.0	5.6	100.1	81.1	39.9	60.1		71.0	77.0	74.5	80.5		
	62 cm	700c	59.3	72.5°	21.1	73.9°	59.8	6.8	41.2	4.0	5.6	101.0	82.9	40.3	62.0		73.0	79.0	76.5	82.5		
Emonda ALR/H2	47 cm	700c	42.4	74.6°	11.5	71.2°	51.3	7.2	41.0	4.5	6.7	97.4	69.8	36.9	52.2							
	50 cm	700c	45.6	74.6°	13.0	72.1°	52.1	7.2	41.0	4.5	6.1	97.4	70.7	37.4	53.5							
	52 cm	700c	47.3	74.2°	14.0	72.8°	53.4	7.2	41.0	4.5	5.7	97.7	72.9	37.9	54.7							
	54 cm	700c	48.6	73.7°	15.5	73.0°	54.3	7.0	41.0	4.5	5.6	98.1	74.2	38.1	55.5							
	56 cm	700c	51.3	73.3°	17.0	73.5°	56.0	7.0	41.0	4.0	5.8	98.3	76.7	38.7	57.7							
	58 cm	700c	53.3	73.0°	19.0	73.8°	57.3	6.8	41.1	4.0	5.6	99.2	78.6	39.1	59.6							
	60 cm	700c	55.3	72.8°	21.0	73.9°	58.6	6.8	41.1	4.0	5.6	100.1	80.4	39.5	61.5							
	62 cm	700c	57.3	72.5°	23.0	73.9°	59.8	6.8	41.2	4.0	5.5	101.0	82.2	39.8	63.4							
Madone H15	47 cm	700c	42.4	74.6°	10.0	72.1°	51.2	7.2	41.0	4.5	6.8	97.2	69.2	37.3	50.7		55.5	61.5	59.0	65.0		
	50 cm	700c	45.3	74.6°	11.1	72.1°	52.1	7.2	41.0	4.5	6.2	97.4	71.1	37.8	52.1		58.5	64.5	62.0	68.0		
	52 cm	700c	48.3	74.2°	12.1	72.8°	53.4	7.2	41.0	4.5	5.8	97.7	73.2	38.3	53.3		61.5	67.5	65.0	71.0		
	54 cm	700c	49.6	73.7°	13.1	73.0°	54.3	7.0	41.0	4.5	5.6	98.1	74.4	38.6	54.1		64.0	70.0	67.5	73.5		
	56 cm	700c	52.5	73.3°	15.1	73.5°	55.9	7.0	41.0	4.0	5.8	98.3	76.8	39.1	56.3		67.0	73.0	70.5	76.5		
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	60 cm	700c	57.3	72.8°	19.1	73.9°	58.6	6.8	41.1	4.0	5.6	100.1	81.1	39.9	60.1		71.0	77.0	74.5	80.5		
	62 cm	700c	59.3	72.5°	21.1	73.9°	59.8	6.8	41.2	4.0	5.6	101.0	82.9	40.3	62.0		73.0	79.0	76.5	82.5		

All dimensions are in centimeters unless otherwise stated. Not all sizes are available for all models. Not all sizes are available in all markets.  
 \*Frame size represents fit. For seat tube length, see column A - Seat tube.











