



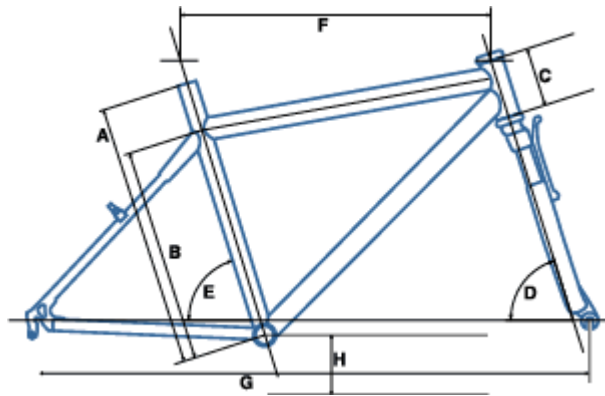
### General Guide to MTB Sizing

Whether you've come to Airborne to take advantage of a great deal on a complete mountain bike, or you're replacing your frame with an Airborne, it's important to follow the recommended Airborne method for choosing the proper size. We believe firmly in comfort, performance, and your complete satisfaction. Because each manufacturer has its own formula to determine proper frame sizing, please take a few minutes to read our general guide to proper sizing -- the Airborne way.

### MTB Frame Recommended Sizing Guide

Height	Inseam	Frame Size	Stem
5'0" - 5'4"	23" - 26"	14"	75 - 120
5'5" - 5'7"	27" - 29"	16"	90 - 120
5'8" - 5'11"	30" - 32"	18"	105 - 135
6'0" - 6'2"	33" - 35"	19.5"	120 - 135
6'3" - 6'5"	36" - 38"	21"	120 - 145

### MTB Frame Geometry



Lucky Strike-ENGLISH (Expressed in IN)

Center to Top	Center to Center	H/T Length	H/T Angle	S/T Angle	Effective T/T	Wheel Base	B/B Height	C/S Length	Weight
A	B	C	D	E	F	G	H		
14.0	11.24	3.94	70.5	74.0	20.50	40.28	11.50	16.73	3.41 lbs.
16.0	13.24	4.13	70.5	73.5	22.00	41.53	11.50	16.73	3.52 lbs.
18.0	15.24	4.33	71.0	73.0	23.25	42.39	11.75	16.73	3.58 lbs.
19.5	16.74	4.53	71.0	73.0	24.00	43.09	11.90	16.73	3.76 lbs.
21.0	18.24	5.31	72.0	72.0	24.75	43.10	11.90	16.73	3.90 lbs.

Black Widow-ENGLISH (Expressed in IN)

Center to Top	Center to Center	H/T Length	H/T Angle	S/T Angle	Effective T/T	Wheel Base	B/B Height	C/S Length	Weight
A	B	C	D	E	F	G	H		
14.0	11.24	3.94	70.5	74.0	20.50	40.28	11.50	16.73	4.34 lbs.
16.0	13.24	4.13	70.5	73.5	22.00	41.53	11.50	16.73	4.51 lbs.
18.0	15.24	4.33	71.0	73.0	23.25	42.39	11.75	16.73	4.67 lbs.
19.5	16.74	4.53	71.0	73.0	24.00	43.09	11.90	16.73	4.97 lbs.
21.0	18.24	5.31	72.0	72.0	24.75	43.10	11.90	16.73	5.13 lbs.

Sky Hag-ENGLISH (Expressed in IN)

Center to Top	Center to Center	H/T Length	H/T Angle	S/T Angle	Effective T/T	Wheel Base	B/B Height	C/S Length	Weight
A	B	C	D	E	F	G	H		
16.0	13.24	4.13	70.5	73.5	22.00	41.53	11.50	16.73	4.65 lbs.
18.0	15.24	4.33	71.0	73.0	23.25	42.39	11.75	16.73	4.74 lbs.
19.5	16.74	4.53	71.0	73.0	24.00	43.09	11.90	16.73	4.94 lbs.

### MTB Stand Over Height

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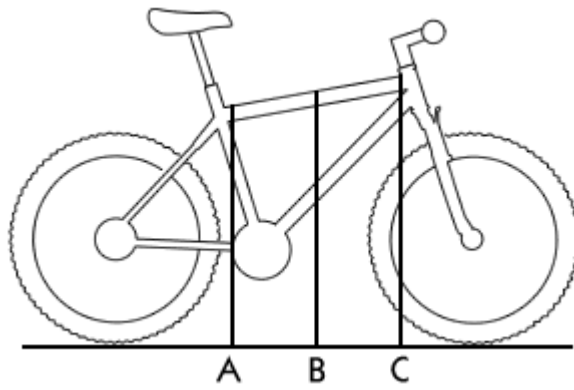
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Stand over height can be a very inaccurate measurement because there are many component specific variables that can produce differing measurements; depending on your fork, headset, wheels, tires, air pressure, and measuring surface. Airborne uses an extended seat tube and a sloping top tube to greatly enhance the stand over height of our frames.

The "Stand Over Height at Seat Tube" (A) is measured from the top of the top tube, closest to the junction of the seat tube. The measurement is perpendicular to the ground and represents the lowest stand over point on the top tube.

The "Stand Over Height at Middle of Top Tube" (B) is measured from the middle of the top tube. The measurement is perpendicular to the ground and represents the mid point over the top tube, where a rider would most likely be standing over their bike.

The "Stand Over Height at Head Tube" (C) is measured from the top of the top tube, closest to the junction of the head tube. The measurement is perpendicular to the ground and represents the highest stand over point on the top tube.

Frame Size	Stand Over Height at S/T	Stand Over Height at middle of T/T	Stand Over Height at H/T
<b>Expressed in inches:</b>			
14"	23.83	28.05	28.05
16"	25.79	29.39	32.94
18"	27.49	30.18	32.96
19.5"	29.182	31.22	33.30
21"	30.47	32.39	34.16
<b>Expressed in centimeters:</b>			
36 cm	60.5	71.3	82.5
41 cm	65.5	74.6	83.7
45 cm	69.8	76.6	83.7
50 cm	74.1	79.3	84.6
53 cm	77.4	82.3	86.8

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