



Geometry Chart (INCHES)

Size	49cm	52.5cm	54.5cm	56cm	57.5cm	59cm	61cm
Recommended Rider Height	142cm-157cm	155cm-165cm	162cm-173cm	170cm-180cm	178-188cm	185-193 cm	190cm-UP
A. Tuptube Effective	499mm	525mm	545mm	560mm	575mm	590mm	610mm
B. Seat Tube Length	390.0mm	440mm	475mm	510mm	520mm	545mm	570mm
C. Headtube Angle	71.0°	70.75°	70.75°	70.75°	70.75°	70.75°	70.75°
D. Seat Tube Angle	75.0°	74.0°	73.0°	73.0°	73.0°	73°	72.5°
E. BB Drop	70mm	70mm	70mm	70mm	70mm	70mm	70mm
F. Chainstay Length	430mm	430mm	430mm	430mm	430mm	430mm	430mm
G. Headtube Length	90mm	120mm	140mm	160mm	180mm	200mm	220mm
H. Fork Length	405mm	405mm	405mm	405mm	405mm	405mm	405mm
J. Fork Offset	50mm	50mm	50mm	50mm	50mm	50mm	50mm
K. Wheelbase	996.14mm	1011.96mm	1022.39mm	1038.21mm	1054.03mm	1069.85mm	1084.54mm
M. Stack	517.85mm	547.09mm	565.97mm	584.85mm	603.73mm	622.61mm	641.50mm
N. Reach	360.24mm	368.13mm	371.97mm	381.19mm	390.42mm	399.65mm	407.74mm
P. Standover	670.20mm	714.48mm	744.30mm	770.11mm	785.96mm	808.40mm	830.55mm

Geometry Chart (Metric)

Size	49cm	52.5cm	54.5cm	56cm	57.5cm	59cm	61cm
Recommended Rider Height	4'8"-5'2"	5'1"-5'5"	5'4"-5'8"	5'7"-5'11"	5'10"-6'2"	6'1"-6'4"	6'3"-UP
A. Tuptube Effective	19.6"	20.7"	21.5"	22.0"	22.6"	24.0"	24.0"
B. Seat Tube Length	15.4"	17.3"	18.7"	20.1"	20.5"	22.4"	22.4"
C. Headtube Angle	71.0°	70.75°	70.75°	70.75°	70.75°	70.75°	70.75°
D. Seat Tube Angle	75.0°	74.0°	73.0°	73.0°	73.0°	73°	72.5°
E. BB Drop	2.8"	2.8"	2.8"	2.8"	2.8"	2.8"	2.8"
F. Chainstay Length	16.9"	16.9"	16.9"	16.9"	16.9"	16.9"	16.9"
G. Headtube Length	3.5"	4.7"	5.5"	6.3"	7.1"	8.7"	8.7"

H. Fork Length	15.9"	15.9"	15.9"	15.9"	15.9"	15.9"	15.9"
J. Fork Offset	2.0"	2.0"	2.0"	2.0"	2.0"	2.0"	2.0"
K. Wheelbase	39.2"	39.8"	40.3"	40.9"	41.5"	42.1"	42.7"
M. Stack	20.4"	21.5"	22.3"	23.0"	23.8"	25.3"	25.3"
N. Reach	14.2"	14.5"	14.6"	15.0"	15.4"	16.1"	16.1"
P. Standover	26.4"	28.1"	29.3"	30.3"	30.9"	32.7"	32.7"

Geometry Notes

Measurements based on:

- A Warbird Carbon Fork which is 405 x 50mm offset
- A 700c x 32mm tire measuring 698mm in diameter
- Standover (P) for all sizes is measured vertically to top of toptube from a position 50mm forward of BB center