

Traditional IF Frame Geometry

For reference purposes only.



In the following tables you will find traditional frame geometry, as used on our bikes back in the day, before we went to building all custom frames. The following is for reference purposes only and may not reflect the actual dimensions of any given IF frame. Road bikes are represented with traditional level (non-sloping) top tubes. Standover heights are approximate, depending on actual top tube diameter. These are to be considered typical "old school" dimensions, although they are not by any means outdated.

IF Mountain Bikes (Ti and Steel) Traditional Geometry

Size *	Standover Height**	Top Tube Length***	Head Tube Length	Fork Offset	Head Tube Angle	Seat Tube Angle	Wheel-base
10"	27.0"	20.9"	80 mm	39 mm	71.5	72.0	38.8"
12"	28.1"	21.3"	90 mm	39 mm	71.5	72.0	39.2"
13"	28.6"	21.5"	90 mm	39 mm	71.5	72.0	39.5"
14.5"S	29.2"	21.6"	90 mm	39 mm	71.5	72.0	39.7"
14.5"	29.2"	22.0"	90 mm	39 mm	71.5	72.0	40.0"
15.5"S	29.7"	22.3"	90 mm	39 mm	71.5	72.0	40.3"
15.5"	29.7"	22.6"	90 mm	39 mm	71.5	72.0	40.7"
17"S	30.5"	22.6"	107 mm	39 mm	71.5	72.0	40.7"
17"	30.4"	23.0"	90 mm	39 mm	71.5	72.0	41.1"
18"S	31.5"	23.0"	123 mm	39 mm	71.5	72.0	41.1"
18"	31.2"	23.3"	107 mm	39 mm	71.5	72.0	41.4"
19"	32.0"	23.6"	123 mm	39 mm	71.5	72.0	41.7"
20.5"	33.3"	24.0"	156 mm	39 mm	71.5	72.0	42.1"

Seat Post Size = 29.4mm (steel), 27.2 (titanium)
 BB Height = 12"
 Chain Stay Length = 16.75"
 Trail = 70.6 mm

Front Derailleur = 1.25" (steel), 1.375" (ti)
 Headset Size = 1.125"
 BB Shell = 68 mm
 Rear Axle Spacing = 135 mm

NOTE: All of our frames are now custom. These are typical dimensions, and are for reference purposes only.

S = shorter top tube

* Measured center-to-center

** Measured from center of top tube to ground

*** Top tube length is measured from the center of the head tube and top tube junction to the center line of the seat tube, parallel to the ground. Due to sloping top tubes, the physical top tube length will be different from the effective top tube length given.

IF Road Bikes (Ti and Steel) Traditional Geometry

Size (ST)*	Standover	Top Tube Length**	Head Tube Angle	Seat Tube Angle	Fork Offset	BB Drop	Head Tube Length	Wheel-base	Trail
650c Wheel Size									
44 cm	69.8 cm	49.0 cm	71.5	73.0	45 mm	48 mm	84.0 mm	94.8 cm	56.9 mm
46 cm	71.7 cm	49.5 cm	71.5	73.0	45 mm	48 mm	104.0 mm	95.3 cm	56.9 mm
48S cm***	73.6 cm	50.0 cm	71.5	73.0	45 mm	48 mm	124.0 mm	95.9 cm	56.9 mm
700c Wheel Size									
48 cm	73.7 cm	51.0 cm	72.0	73.0	50 mm	73 mm	76.0 mm	95.8 cm	56.9 mm
49 cm	74.5 cm	51.5 cm	72.0	73.0	50 mm	73 mm	83.0 mm	96.3 cm	56.9 mm
50S cm***	75.8 cm	52.0 cm	72.0	73.0	50 mm	70 mm	96.5 mm	97.0 cm	56.9 mm
50 cm	75.8 cm	53.0 cm	72.0	73.0	50 mm	70 mm	96.5 mm	98.0 cm	56.9 mm
51 cm	76.8 cm	53.5 cm	72.0	73.0	50 mm	70 mm	106.5 mm	98.5 cm	56.9 mm
52 cm	77.7 cm	54.0 cm	72.0	73.0	50 mm	70 mm	116.5 mm	99.0 cm	56.9 mm
53 cm	78.7 cm	54.5 cm	72.0	73.0	50 mm	70 mm	116.5 mm	99.5 cm	56.9 mm
54 cm	79.6 cm	55.0 cm	73.0	73.0	45 mm	70 mm	120.5 mm	98.6 cm	56.9 mm
55 cm	80.6 cm	56.0 cm	73.0	73.0	45 mm	70 mm	130.5 mm	99.6 cm	56.9 mm
56 cm	81.4 cm	57.0 cm	73.0	72.5	45 mm	70 mm	139.0 mm	100.1 cm	56.9 mm
57 cm	82.5 cm	58.0 cm	73.5	72.5	43 mm	70 mm	148.0 mm	100.4 cm	55.0 mm
58 cm	83.5 cm	59.0 cm	73.5	72.5	43 mm	70 mm	158.0 mm	101.4 cm	55.0 mm
59 cm	84.5 cm	59.5 cm	74.0	72.0	40 mm	67 mm	166.0 mm	100.7 cm	55.0 mm
60 cm	85.5 cm	60.0 cm	74.0	72.0	40 mm	67 mm	176.0 mm	101.2 cm	55.0 mm
61 cm	86.6 cm	60.5 cm	74.0	72.0	40 mm	67 mm	187.5 mm	101.6 cm	55.0 mm
62 cm	87.6 cm	61.0 cm	74.0	72.0	40 mm	67 mm	197.5 mm	102.1 cm	55.0 mm
63 cm	88.5 cm	62.0 cm	74.0	72.0	40 mm	67 mm	207.5 mm	103.1 cm	55.0 mm

BB Width = 68 mm
 Rear Axle Spacing = 130 mm
 Chain Stay Length = 41.5 cm
 Seat Post Size = 27.2 mm (titanium, current steel)
 26.8 mm (older steel)
 29.4 (61cm and larger steel)

NOTE: All of our frames are now custom. These are typical dimensions, and are for reference purposes only.

* Measured center-to-center

** Top tube length is measured from the center of the head tube and top tube junction to the center line of the seat tube, parallel to the ground. Due to sloping top tubes, the physical length may be different from the effective top tube length given.

*** S - Short Top Tube

IF Cyclocross Bikes (Ti and Steel) Traditional Geometry

Size (ST)*	Standover	Top Tube Length**	Head Tube Angle	Seat Tube Angle	Fork Offset	BB Drop	Head Tube Length	Wheel-base	Trail
44 cm	74.4 cm	50.0 cm	71.5	72.5	48 mm	60 mm	76.0 mm	95.9 cm	63.5 mm
46 cm	75.3 cm	51.5 cm	71.5	72.5	48 mm	60 mm	76.0 mm	97.4 cm	63.5 mm
48 cm	77.0 cm	53.0 cm	71.5	72.0	48 mm	57 mm	90.0 mm	98.6 cm	63.5 mm
50 cm	78.9 cm	54.5 cm	71.5	72.0	48 mm	57 mm	111.0 mm	100.1 cm	63.5 mm
52 cm	80.8 cm	55.5 cm	71.5	72.0	48 mm	57 mm	130.0 mm	101.1 cm	63.5 mm
54 cm	83.0 cm	57.5 cm	71.5	72.0	48 mm	57 mm	150.0 mm	103.1 cm	63.5 mm
56 cm	84.5 cm	59.5 cm	72	72.0	45 mm	57 mm	167.0 mm	105.1 cm	63.5 mm
58 cm	86.7 cm	60.5 cm	72	72.0	45 mm	57 mm	193.0 mm	106.2 cm	63.5 mm

BB Width = 68 mm
 Chain Stay Length = 42.5 cm
 Rear Axle Spacing = 130 mm
 Seat Post Size = 27.2 mm (titanium, current steel)
 26.8 mm (older steel)

NOTE: All of our frames are now custom. These are typical dimensions, and are for reference purposes only.

* Measured center-to-center.

** Top tube length is measured from the center of the head tube and top tube junction to the center line of the seat tube, parallel to the ground. Due to sloping top tubes, the physical length will be different from the effective top tube length given.

