



## FRAME GEOMETRY

The Cannondale Sport/Touring bicycle frame has been designed to give a versatile combination of touring performance and efficient response to pedaling. We have combined carefully selected geometry with the strength and stiffness properties of large diameter tubing to create a bicycle frame that offers a stable, responsive ride, making it ideal for many types of cycling.

Important Cannondale frame geometry:

**Long wheelbase:** For a stable ride with or without touring loads.

**Long chainstays:** Provides ample pannier to heel clearance for loaded touring, dampens road shock, helps to position the rider's weight more evenly over the bicycle.

**Low bottom bracket:** Keeps the center of gravity closer to the road for a more stable ride.

**Equal seatstays:** Horizontal major axis increases resistance to side to side deflection. This makes the drive train more efficient and reduces frame sway caused by loaded panniers. While the vertical minor axis allows the rear triangle to flex up and down to dampen road shock. Another Cannondale innovation; patent pending.

TABLE 3: Cannondale ST-300 frame geometry.

Frame Size	19"	21"	23"	25"
Seat Tube Angle	75°	73.5°	73.5°	73.5°
Head Tube Angle	70°	72°	72°	72°
Top Tube Length*	20.5"	21.75"	22.25"	23.25"
Chainstay Length	18"	18"	18"	18"
Fork Rake	2 1/8"	2 1/8"	2 1/8"	2 1/8"
Bottom Bracket Height	10.14"	10.30"	10.44"	10.52"
Wheelbase	40.9"	41.0"	41.6"	42.7"

\* center to center