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Cannondale Silk City 1000

This smart city commuter bike uses the seat post to secure the back wheel and the seat post to the frame. Cannondale have integrated a locking mechanism into the removable seat post. When the cyclist wants to park up, they remove the seat post and slide it through specially designed brackets integrated into the frame's rear seat stay. The seat post contains a locking mechanism that allows the post to be locked in place.

This solution allows you to take care of your seat post (often removable on other models) and back wheel without carrying any extra weight. You still need one additional lock to secure your front wheel and frame to a stationary object but that's three times better than the three locks you'd need to secure both wheels, the frame and the seat to a stand!

Integrated hub gears on the back and a hub dynamo on the front minimise the number of components that are easily removable by opportunist thieves.

Strengths:

- Unique integrated locking seat post and locking bracket doesn't add weight to the bike
- Secures 2 removable components using no additional lock (seat post and back wheel).

Weaknesses:

- Does not provide facility to lock the front wheel securely other than traditional locking methods

Useful References:

<http://www.cannondale.com/bikes/02/ce/model-2SS1.html>

