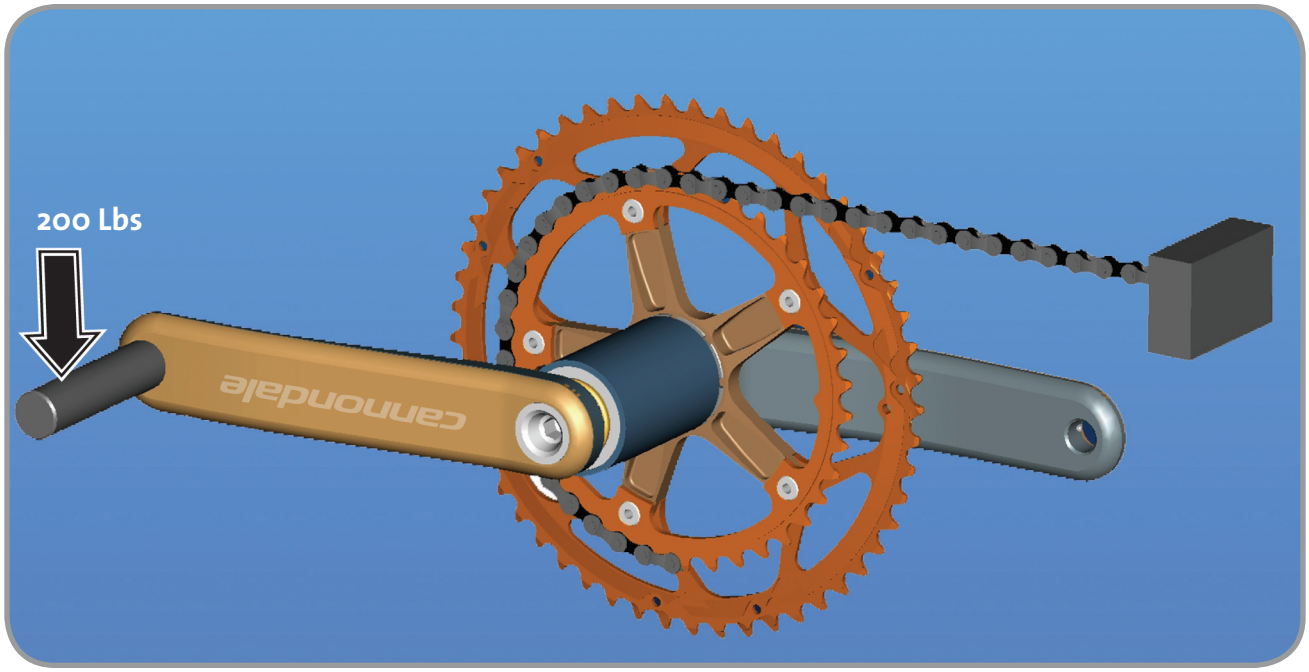
cannondale

cannondale SI HOLLOWGRAM integrated crankset

R&D Stiffness Testing : SI vs. Dura-Ace



Crank Tested	Weight w/BB (g)	Stiffness Index (g/in)	Stiffness-to-Weight Ratio	Results Compared to Dura Ace
Cannondale SI Hollowgram	660	939	1.42	10% Stiffer 85 grams lighter
Cannondale SI Carbon	734	855	1.16	Equal Stiffness 11 grams lighter
Shimano FC-7800 Dura-Ace 10 Speed	745	854	1.15	-

Our R&D engineers test all cranks same way. We restrain the crank with the 39T chain ring (not the 53T), and apply a load through the left hand crank instead of the right hand crank. This method captures data for four areas of critical crank system performance:

1. **The bending and torsional stiffness of the left crank arm**
2. **The interface between the crank arm and the spindle (at both ends)**
3. **The torsional and bending stiffness of the bottom bracket spindle**
4. **The torsional stiffness of the spider**