

Shimano® Alfine® Di2

Gates introduces the new CDX™-CenterTrack™ Di2 component group. The new Shimano Alfine Di2 electronic shifting system requires a special belt line. Gates now offers front and rear sprockets, as well as a crank assembly to fit this system. It is important to note that **not all belt drive compatible frames will work with the Alfine Di2 system.**

Due to placement of the motor unit, the belt line for the Alfine Di2 moves inboard from 43.7mm on the standard Alfine to 39.8mm on the Di2 model, a change of 3.9mm. Because of this inboard movement, frames that fit the standard Alfine series hubs will not necessarily fit the new Di2 series. In addition to this 3.9mm offset, an additional 2mm of clearance between the front sprocket and the frame must still exist. Refer to Figure 3 for the belt line specification.



Figure 1: Alfine Di2 hub showing motor placement

The Di2 specific crank assembly is offered pre-assembled as a 50t sprocket in both 170mm and 175mm crank arm lengths. The front 50t sprocket has a 1.8mm offset which when combined with the Gates specific S300 crankset will achieve the proper belt line. This assembly is designed to be used with a 68mm BB and the Di2 specific 28t rear sprocket. Due to size constraints, this is the only ratio to currently be offered for the Alfine Di2 hub.



Figure 2: Di2 Specific front and rear offset sprockets.

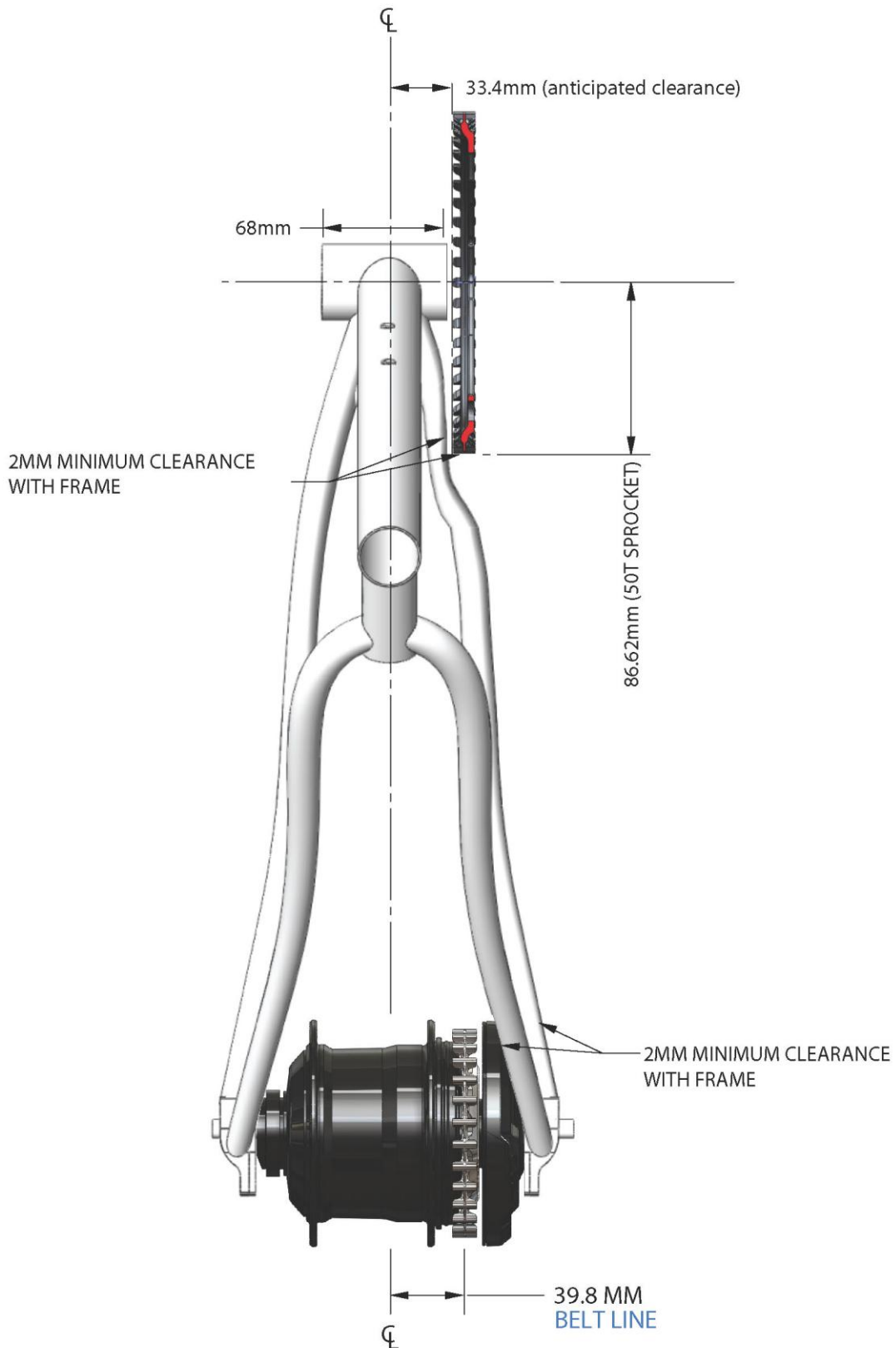


Figure 3: Belt Line Specification