

Crank/Sprocket Assembly Tolerances

To ensure optimal performance of belt drives, Gates requires the following runout tolerances for crank/sprocket assemblies measured with the intended bottom bracket. Excessive runout can result in large tension variation, improper shifting on geared hubs, and even premature belt failure.

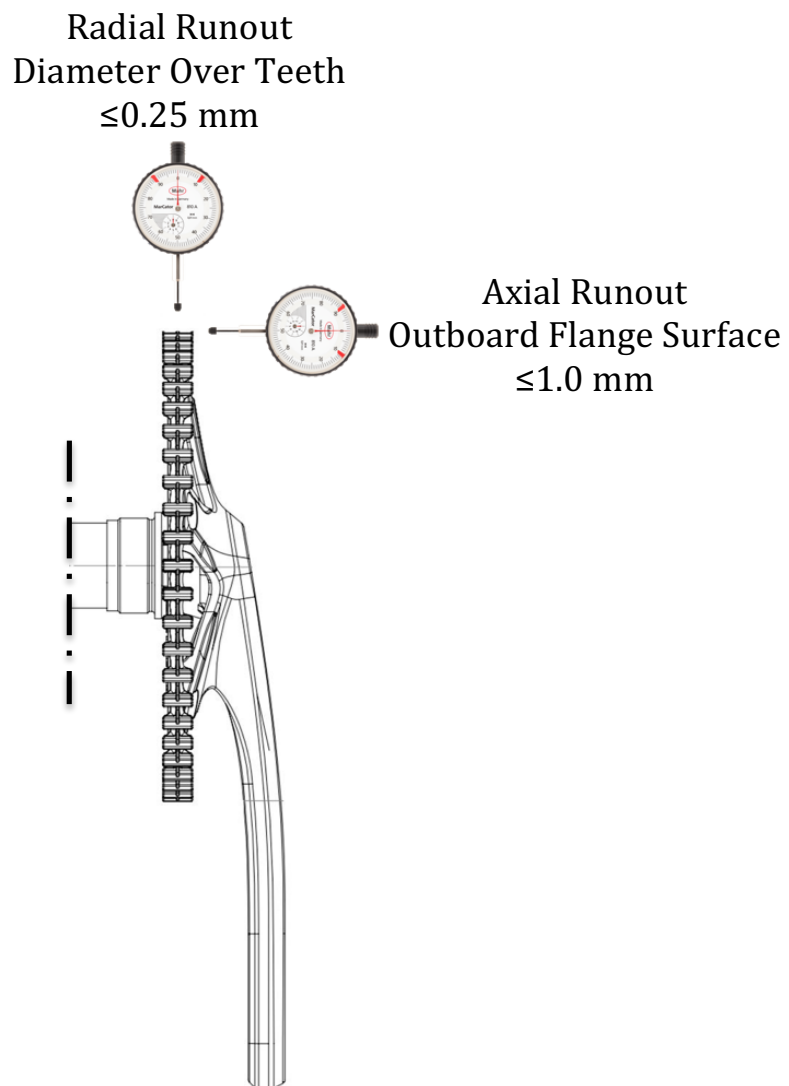


Figure 1: Total radial runout allowed is less than or equal to 0.25mm measured at diameter over teeth. Total axial runout allowed is less than or equal to 1.0mm measured at outboard flange surface.