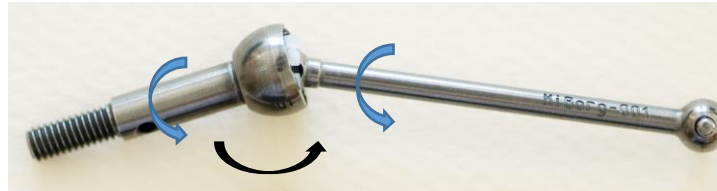


Why RCV balls driveshaft respect constant velocity ?

The output rotation speed is equal to the input rotation speed for each angular position.

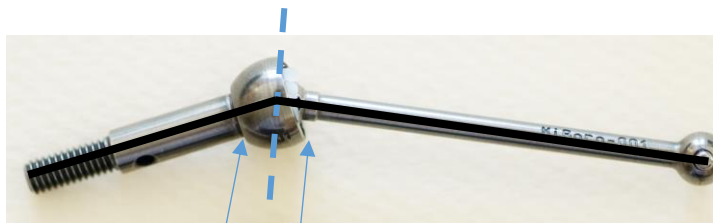


Angle $\neq 0^\circ$

&

Rotation speed $\Omega_{\text{output}} = \text{Rotation speed } \Omega_{\text{input}}$

Whatever the driveshaft angle the inner cage and balls are always positioned on the half-angle of the RCV balls driveshaft



$$\theta_1 = \theta_2$$

=> RCV balls driveshaft is a Constant Velocity driveshaft

