

Why CVD or UJ driveshaft don't respect constant velocity ?

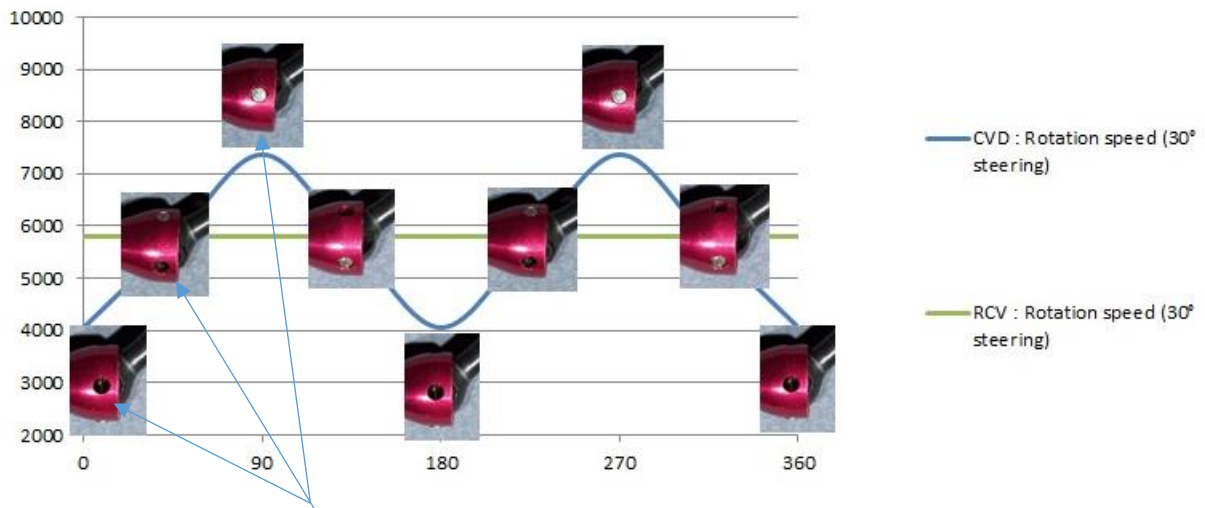
Design can't ensure constant velocity:

Pin is linked with wheel axle

Internal axle « trunion » is linked with shaft

⇒ No part can be constantly positioned on the half-angle

Variation of the rotation speed for one rotation of the wheel (tr/min) - CVD vs RCV



Rotation speed is not the same following the pin position.

With an angle of 30°, the speed rotation move of +/- 25% during one turn of the wheel.

⇒ VIBRATION !!

