

Angle to tip contact point from vertical:

$$\alpha \coloneqq \operatorname{acos}\left(\frac{x}{R}\right) = 66.422 \,\,^{\circ}$$

Distance CB travels (based on nunber of full revolutions "n") to have the tip contact point arrive at the OB contact point and create cling:

$$d(n) := R \cdot ((\alpha + 90^{\circ}) + n \cdot 360^{\circ})$$
 $n := 0..2$

Number of "balls" between CB and OB to create cling condition:

$$b(n) \coloneqq d(n) \div (2 \cdot R)$$

Results:

$$n = \begin{bmatrix} 0 \\ 1 \\ 2 \end{bmatrix} \qquad d(n) = \begin{bmatrix} 3.1 \\ 10.1 \\ 17.2 \end{bmatrix} in \qquad b(n) = \begin{bmatrix} 1.4 \\ 4.5 \\ 7.6 \end{bmatrix}$$

So when the CB is about 1.4 balls or 4.5 balls from the OB, don't expect typical follow action.