



As Dummy is attached at $\alpha = 45^\circ$

$$x = \frac{1}{2} O.D \times \cos \alpha$$

$$y = \frac{1}{2} O.D \times \sin \alpha$$

For 10NPS bend

$$x = \frac{1}{2} \times 10.75 \times \cos 45 = 3.8$$

$$y = \frac{1}{2} \times 10.75 \times \sin 45 = 3.8$$