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Interference (based on 8148 - 0,020 housing tol.)

max. $-0,088 \text{ mm}$
min. $-0,028 \text{ mm}$

Point A deflects $\frac{0,0508}{2}$ inwards = 0,029 mm

Point A axial displacement:

$$\tan \alpha = \frac{0,029 \text{ mm}}{\text{dis. hor.}} \rightarrow \text{dis. hor.} = \frac{0,029 \text{ mm}}{\tan 15'} \approx 0,1 \text{ mm}$$

For a 2 taper bearing arrangement (back to back):

axial clearance decrease due to (press-fit) \rightarrow

$$2 \times 0.1 = 0.2 \text{ mm in total.}$$