$$J_{XX}\!\coloneqq\!\frac{{{{\bm{\pi \cdot d}_c}^4}}}{{64}}\!\!=\!\left( {1.018 \cdot {10}^7} \right)\,{{\bm{mm}}^4}$$

 $p = 100 \cdot \frac{J_{XX} - J_{ACn}}{J_{XX}} = 13.846$