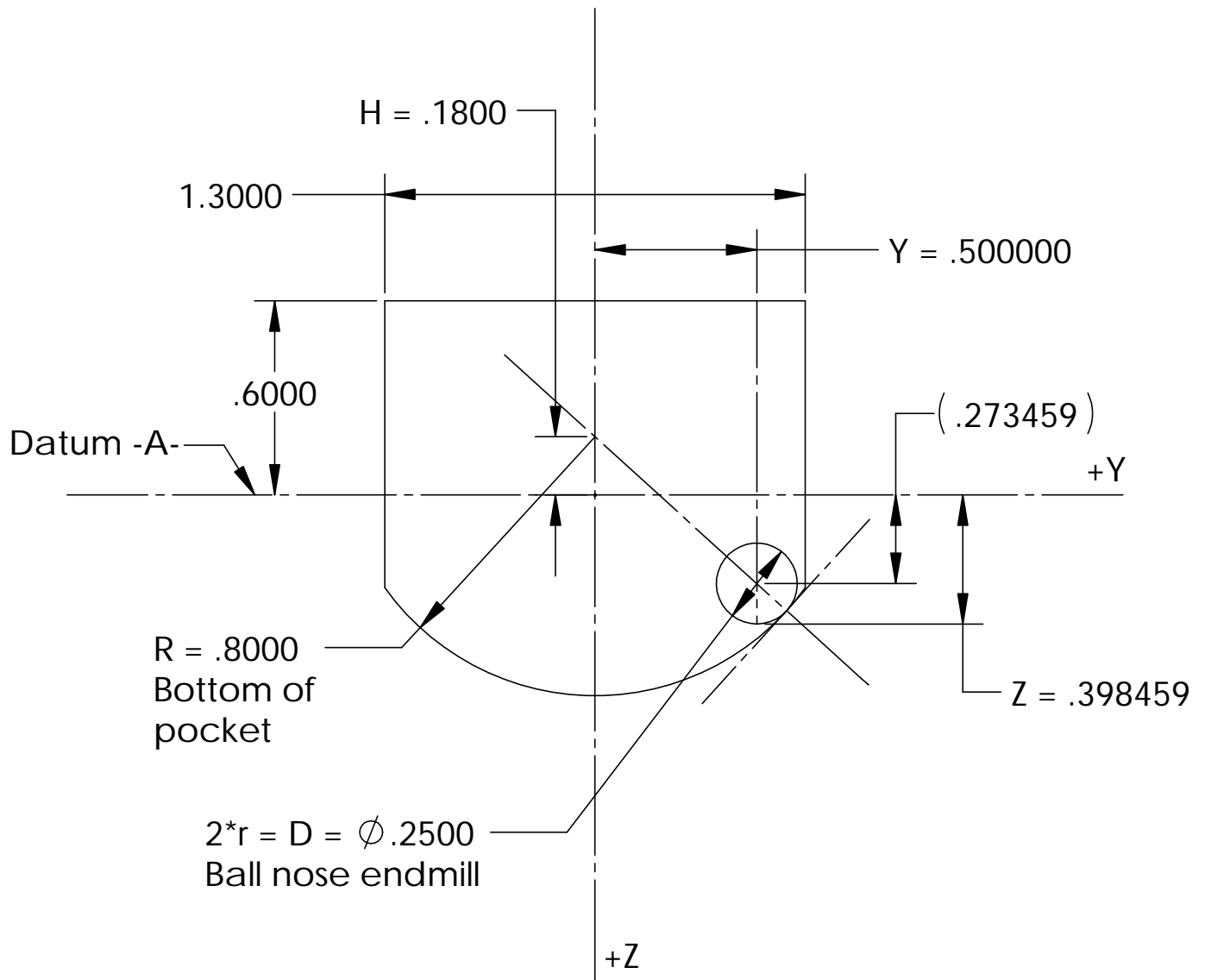




Z is distance from Datum A to bottom tip of ball nose cutter.



$$Z = r - H + \sqrt{r^2 - Y^2 + R^2 - 2 \cdot R \cdot r}$$

When cutter diameter = .250 then:  $Z = \frac{-11}{200} - \frac{1}{40} \sqrt{(729 - 1600 \cdot Y^2)}$