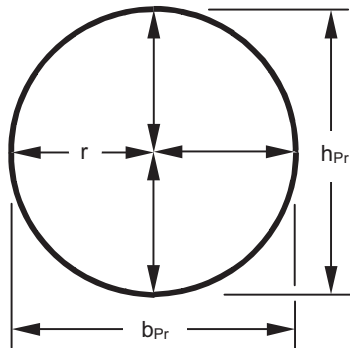
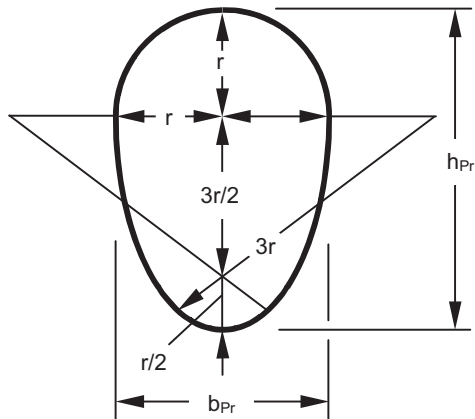


1. Kreisquerschnitt



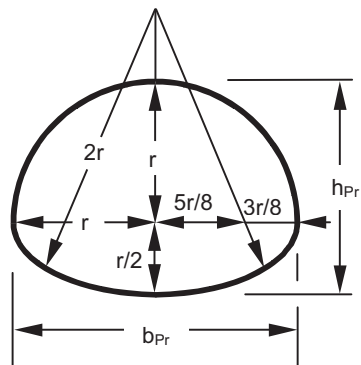
$$\begin{aligned} b_{Pr} &= 2r \\ h_{Pr} &= 2r \\ b_{Pr}:h_{Pr} &= 2:2 \\ A &= 3,142 \cdot r^2 \\ I_U &= 6,283 \cdot r \\ r_{hy} &= 0,500 \cdot r \end{aligned}$$

2. Eiquerschnitt



$$\begin{aligned} b_{Pr} &= 2r \\ h_{Pr} &= 3r \\ b_{Pr}:h_{Pr} &= 2:3 \\ A &= 4,594 \cdot r^2 \\ I_U &= 7,930 \cdot r \\ r_{hy} &= 0,579 \cdot r \end{aligned}$$

3. Maulquerschnitt



$$\begin{aligned} b_{Pr} &= 2r \\ h_{Pr} &= 1,5r \\ b_{Pr}:h_{Pr} &= 2:1,5 \\ A &= 2,378 \cdot r^2 \\ I_U &= 5,603 \cdot r \\ r_{hy} &= 0,424 \cdot r \end{aligned}$$