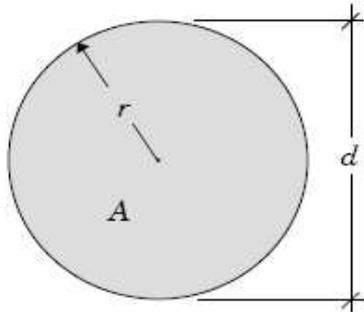


## Flächenberechnungen: Formeln Kreis

### Kreis



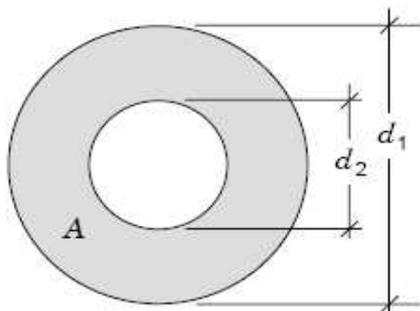
$$A = \frac{d^2 \cdot \pi}{4}$$

$$d = \sqrt{\frac{4 \cdot A}{\pi}}$$

$$A = r^2 \cdot \pi$$

$$r = \sqrt{\frac{A}{\pi}}$$

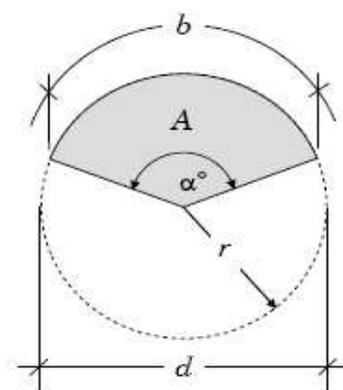
### Kreisring



$$A = A_1 - A_2$$

$$A = \frac{d_1^2 \cdot \pi}{4} - \frac{d_2^2 \cdot \pi}{4}$$

### Sektor



$$A = \frac{r^2 \cdot \pi \cdot \alpha^\circ}{360^\circ}$$

$$b = \frac{r \cdot \pi \cdot \alpha^\circ}{180^\circ}$$

$$A = \frac{d^2 \cdot \pi}{4} \cdot \frac{\alpha^\circ}{360^\circ}$$