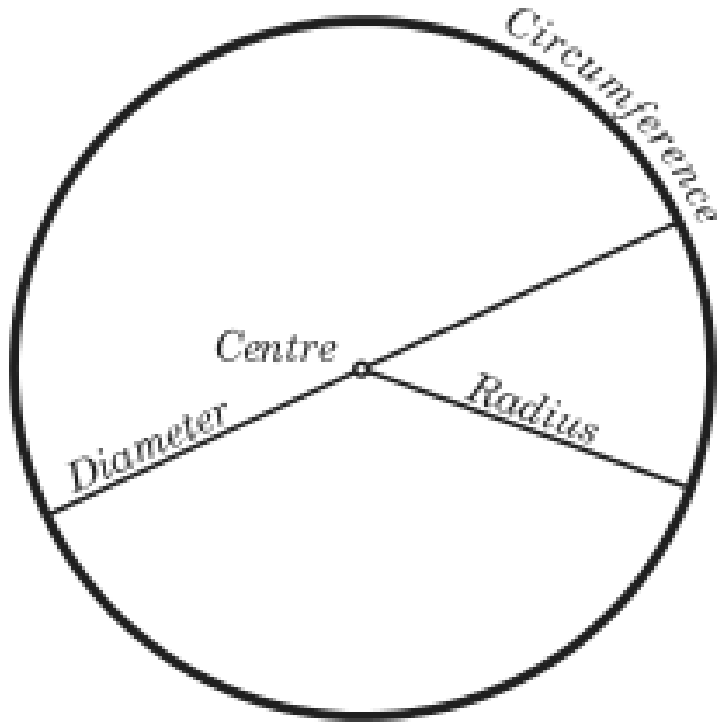


# LE CERCLE



$$\text{Rayon} = \varnothing / 2$$

$$\text{mm} \uparrow \quad \text{Circonférence} = \overset{3.14}{\pi} \times \varnothing \quad \uparrow \text{mm}$$

$$\text{mm}^2 \uparrow \quad \text{Surface} = \overset{3.14}{\pi} \times R^2 \quad \uparrow \text{mm} \times \text{mm}$$

## Conversion des **tr/min** en **rad/s** :

$$\text{Si } \omega = \frac{2 \times \overset{3.14}{\pi} \times N \leftarrow \text{en tr/min}}{60}$$

en **rad/s**

$$\text{alors } N = \frac{60 \times \omega \leftarrow \text{en rad/s}}{2 \times \pi \leftarrow 3.14}$$

en **tr/min**