

Hydrostatique

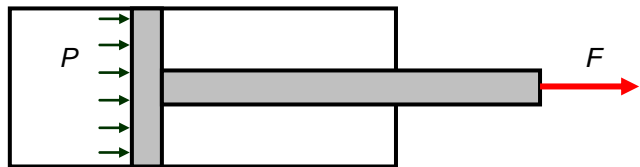
$$F = P \times S$$

N MPa mm²

10 Newton = 1kg = 1daN

Pression : 1 bar = 0.1 MPa

Calcul de « S » en sortie



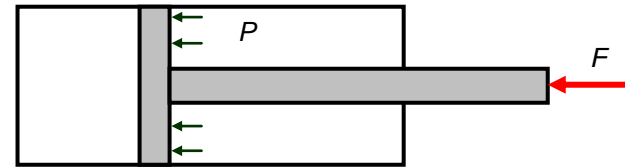
A diagram of a circle with a horizontal arrow pointing from the center to the left edge, labeled 'R_p'.

$$S = \pi \times R_p^2$$

3.14 Rayon piston

Calcul du rayon : R = Diamètre / 2

Calcul de « S » en retour



A diagram showing a large circle with a horizontal arrow pointing from the center to the left edge, labeled 'R_p'. Inside the large circle, there is a smaller circle with a horizontal arrow pointing from the center to the left edge, labeled 'R_t'.

$$S = S_{\text{piston}} - S_{\text{tige}}$$
$$(\pi \times R_p^2) - (\pi \times R_t^2)$$