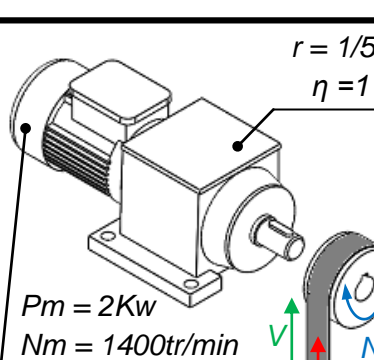


La puissance motrice

	Fréquence de rotation en tr/min	Vitesse angulaire en rad/s	Puissance en Watt	Couple en N.m	Force maxi 1 en Newton	vitesse linéaire 1 en m/s	Force maxi 2 en Newton	vitesse linéaire 2 en m/s
	<u>Calcul de N poulie</u> formule : $r = N_s/N_e$	<u>Calcul de ω poulie</u> formule : $\omega = 2\pi \times N / 60$	<u>Calcul de P sortie</u> formule : $P_s = \eta \times P_e$ on prendra $\eta = 1$	<u>Calcul de C sortie</u> formule : $P = C \times \omega$	<u>Calcul de F maxi</u> formule : $C = F \times \text{distance}$ on prendra \emptyset poulie 100mm	<u>Calcul de V</u> formule : $V = \text{rayon} \times \omega$ on prendra \emptyset poulie 100mm	<u>Calcul de F maxi</u> formule : $C = F \times \text{distance}$ on prendra \emptyset poulie 200mm	<u>Calcul de V</u> formule : $V = \text{rayon} \times \omega$ on prendra \emptyset poulie 200mm
 <p>$P = 2Kw$ $N = 1400tr/min$</p>	$N_{\text{poulie}} = \dots\dots\dots tr/min$	$\omega_{\text{poulie}} = \dots\dots\dots rad/s$	$P_s = \dots\dots\dots Watt$	$C = \dots\dots\dots N.m$	$F_1 = \dots\dots\dots N$	$V_1 = \dots\dots\dots m/s$	$F_2 = \dots\dots\dots N$	$V_2 = \dots\dots\dots m/s$
 <p>$r = 1/10$ $\eta = 1$</p> <p>$P_m = 2Kw$ $N_m = 1400tr/min$</p>	$N_{\text{poulie}} = \dots\dots\dots tr/min$	$\omega_{\text{poulie}} = \dots\dots\dots rad/s$	$P_s = \dots\dots\dots Watt$	$C = \dots\dots\dots N.m$	$F_1 = \dots\dots\dots N$	$V_1 = \dots\dots\dots m/s$	$F_2 = \dots\dots\dots N$	$V_2 = \dots\dots\dots m/s$
 <p>$r = 1/50$ $\eta = 1$</p> <p>$P_m = 2Kw$ $N_m = 1400tr/min$</p>	$N_{\text{poulie}} = \dots\dots\dots tr/min$	$\omega_{\text{poulie}} = \dots\dots\dots rad/s$	$P_s = \dots\dots\dots Watt$	$C = \dots\dots\dots N.m$	$F_1 = \dots\dots\dots N$	$V_1 = \dots\dots\dots m/s$	$F_2 = \dots\dots\dots N$	$V_2 = \dots\dots\dots m/s$
 <p>$r = 1/100$ $\eta = 1$</p> <p>$P_m = 2Kw$ $N_m = 1400tr/min$</p>	$N_{\text{poulie}} = \dots\dots\dots tr/min$	$\omega_{\text{poulie}} = \dots\dots\dots rad/s$	$P_s = \dots\dots\dots Watt$	$C = \dots\dots\dots N.m$	$F_1 = \dots\dots\dots N$	$V_1 = \dots\dots\dots m/s$	$F_2 = \dots\dots\dots N$	$V_2 = \dots\dots\dots m/s$