



Machinist LEVEL 1 Formulas

1. $D = 0.5413 \times P$

2. major diameter = $(N \times 0.013) + 0.060$

3. thread depth = $0.6134 \times P$

4. Blade length = $2(CD) + \pi D$

5. $2\sqrt{r^2 - d^2}$

6. $\text{rpm} = \frac{12 \times CS}{\pi \times D}$

7. $\frac{CS \times RPM}{D}$