



# MILLING FORMULAS

**Cut Time**  
 $CT = \frac{LOC}{IPM}$

**Revolutions Per Minute**  
 $RPM = 3.82 \times SFM$

**Inches Per Minute**  
 $IPM = RPM \times FPR$

**Feed Per Revolution**  
 $FPR = \frac{IPM}{RPM}$   
-OR-  
Eff. Flutes x  
Feed Per Flute

**Material Removal Rate**  
 $MRR = WOC \times DOC \times IPM$

**Feed Per Tooth**  
 $FPT = \frac{FPR}{\text{No. of Eff. Teeth}}$