### Simple Machining Calculations:

- To find **RPM:**
  
  \[
  \text{RPM} = \frac{\text{SFM} \times 3.82}{\text{diameter of tool}}
  \]

- To find **SFM:**
  
  \[
  \text{SFM} = 0.262 \times \text{diameter of tool} \times \text{RPM}
  \]

- To find **Feed Rate (IPM):**
  
  \[
  \text{Feed Rate (IPM)} = \text{RPM} \times \# \text{ of flutes} \times \text{chip load}
  \]

- To find **Chip Load:**
  
  \[
  \text{Chip Load} = \frac{\text{Feed Rate (IPM)}}{\text{RPM} \times \# \text{ of Flutes}}
  \]

- To find **Ramp Down:**
  
  \[
  \text{Ramp Down} = \frac{\text{Feed Rate}}{2}
  \]

### Depth of Cut:

- **1 x D:** Use recommended chip load
- **2 x D:** Reduce chip load by 25%
- **3 x D:** Reduce chip load by 50%

### Disclaimer:

It is important to understand that these values are only recommendations.

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