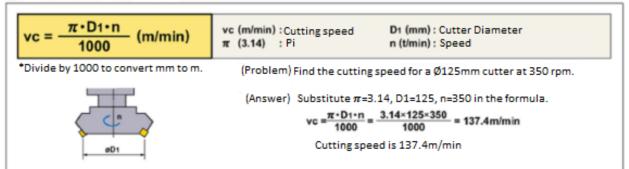


Calculation of cutting speeds and feeds

Cutting speed (vc)



Feed per tooth (fz)

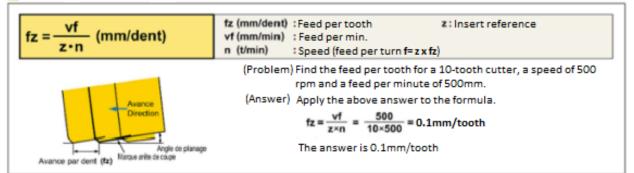


Table feed (vf)

| vf = fz∙z∙n (mm/min) | vf (mm/min) : Feed per min. z : Insert reference fz (mm/dent) : Feed per tooth n (t/min) : Speed |
|----------------------|--|
| | (Problem) Find the feed per minute for a 10-tooth cutter, a feed per tooth of 0.1mm and a speed of 500 rpm. (Answer) Apply the above answer to the formula. vf = fz×z×n = 0.1×10×500 = 500mm/min |
| | The table feed is 500m/min. |

Cutting time (Tc)

