для размещения заказа - kennametal@kennametal.su

STELLRAM

Speed-Spindle Rotation (rpm)

$$n = \frac{V_c \times 1000}{D_c \times \pi}$$

Cutting Speed (m/min.)

$$V_c = \frac{D_c \times \pi \times n}{1000}$$

Feed Rate (mm/min.)

$$V_f = f_z \times Z \times n$$

Feed Per Tooth (mm/z)

$$f_z = \frac{V_f}{Z \times n}$$

Feed Per Revolution (mm/rev.)

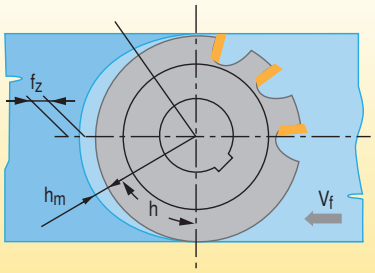
$$f_n = f_z \times Z$$

Metal Removal Rate (cm^3/min.)

$$Q = \frac{a_e \times a_p \times V_f}{1000}$$

Medium Chip Thickness

$$h_m = f_z \times \sqrt{\frac{a_e}{D_c}} \quad \text{or} \quad f_z = h_m \times \sqrt{\frac{D_c}{a_e}}$$



Terminology

n	Spindle speed	rpm
D_c	Cutting diameter	mm
a_p	Cut depth	mm
a_e	Cut width	mm
Z	No. of teeth	
V_c	Cutting speed	m/min
V_f	Feed rate	mm/min
f_z	Feed per tooth	mm/Z
f_n	Feed per revolution	mm/rev.
Q	Metal removal rate	cm^3/min
h_m	Medium chip thickness	mm
π	Pi Symbol (3.1416)	pi

для заказа - kennametal@kennametal.su