

Conversion of Parameters: Drilling

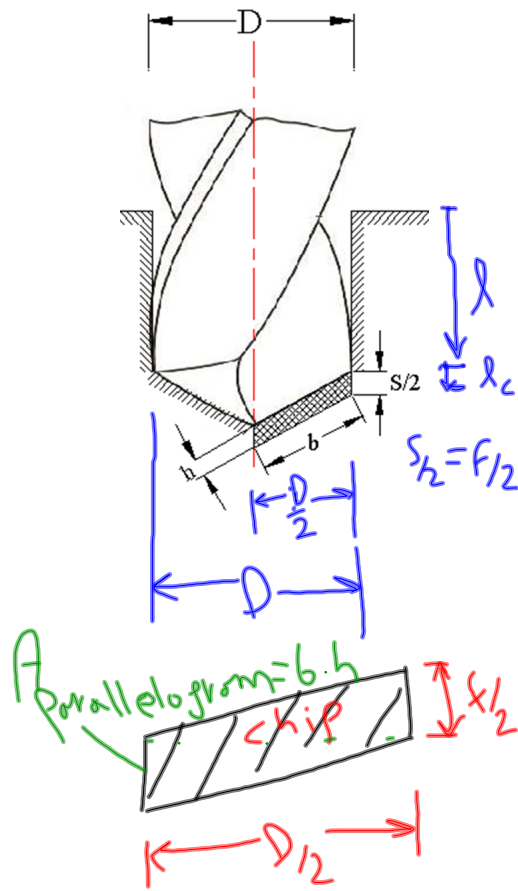
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Kalpakjian

S
L
A
S
P
A
S
T
M
K
S
M
P
M
Q

f
l
(A chip)
f_c
(U_T * 1000)
Torque
Power
MRR

Parameters in Drilling



$$A_{\text{chip}} = b \cdot h$$

$$= \frac{D}{2} \cdot \frac{f}{2} = \frac{fD}{4}$$

$$t = t_l + t_{l_c}$$

$$= \frac{l}{fN} + \frac{D/4}{fN}$$

$$t = \frac{l + D/4}{fN}$$