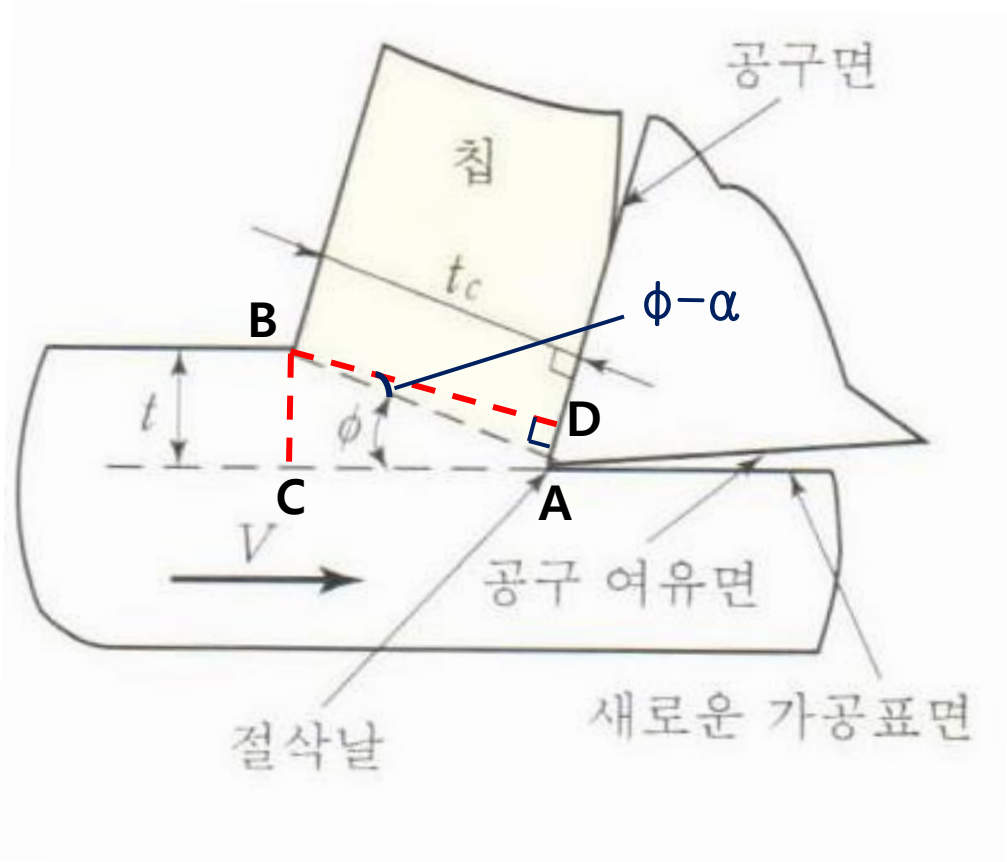


절삭비



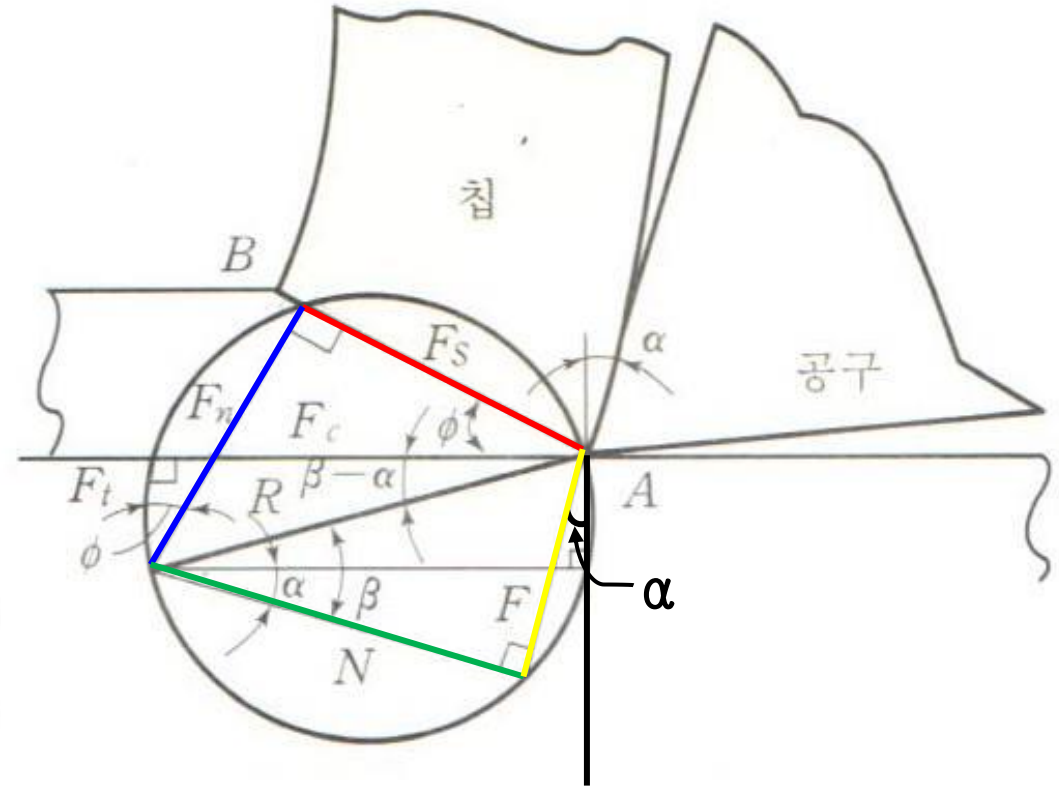
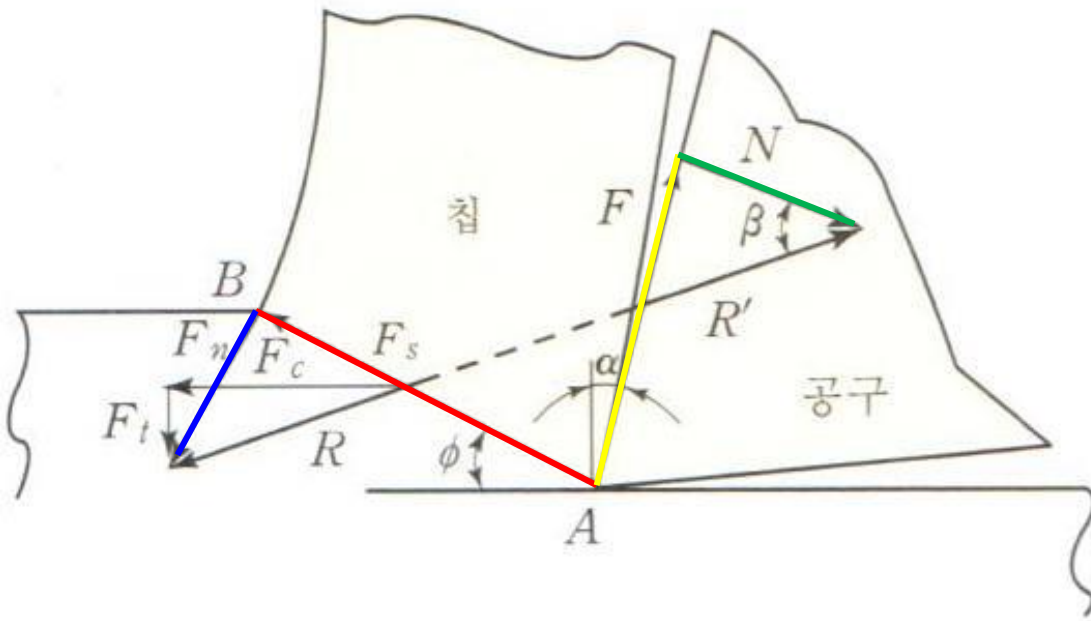
$$r_c = \frac{t}{t_c} = \frac{BC}{BD} = \frac{AB \sin \phi}{AB \cos(\phi - \alpha)} = \frac{\sin \phi}{\cos(\phi - \alpha)}$$

$$\sin \phi = r_c \cos \phi \cos \alpha + r_c \sin \phi \sin \alpha$$

$$(1 - r_c \sin \alpha) \sin \phi = r_c \cos \phi \cos \alpha$$

$$\tan \phi = \frac{r_c \cos \alpha}{1 - r_c \sin \alpha}$$

절삭력원

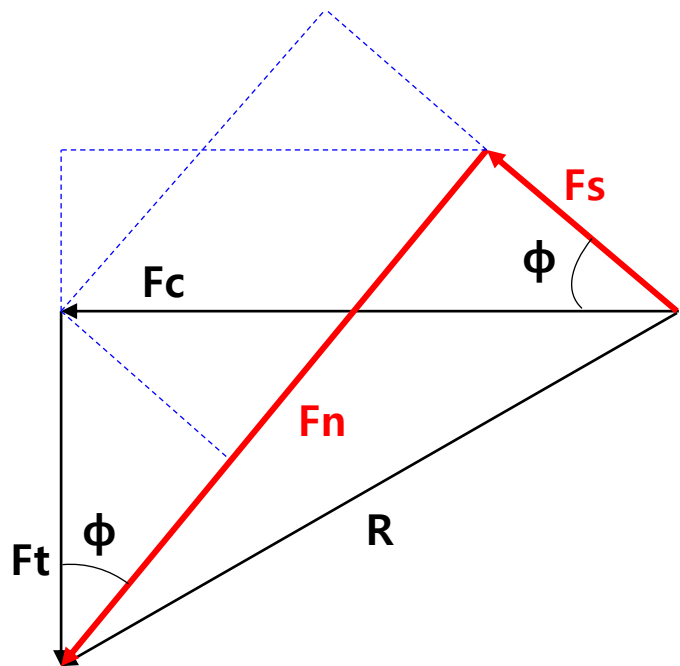


$$F_s = F_c \cos \varphi - F_t \sin \varphi$$

$$F_n = F_c \sin \varphi + F_t \cos \varphi$$

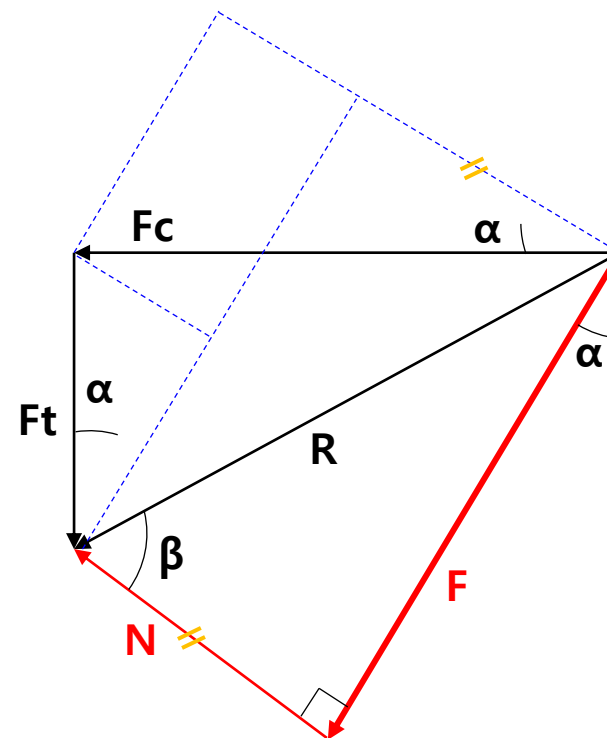
$$F = F_c \sin \alpha + F_t \cos \alpha$$

$$N = F_c \cos \alpha - F_t \sin \alpha$$



$$F_s = F_c \cos \varphi - F_t \sin \varphi$$

$$F_n = F_c \sin \varphi + F_t \cos \varphi$$



$$F = F_c \sin \alpha + F_t \cos \alpha$$

$$N = F_c \cos \alpha - F_t \sin \alpha$$