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CU-ICAR

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0.2mm 5 82mm 69mm 17.3 -13degATDC 10deg
16mm³
3600rpm

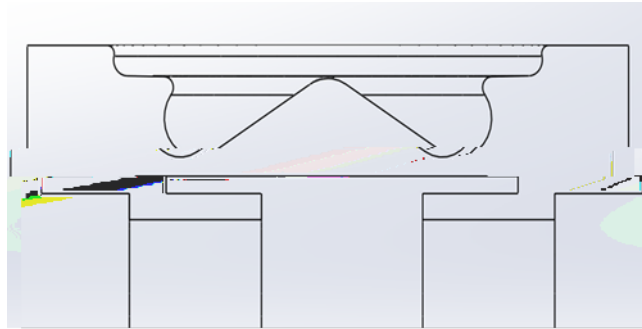


Fig.1 ピストン形状

$$t_b = 28.65 \frac{\rho_l d_0}{\sqrt{\rho_a \Delta P}}$$

$$S = 0.39 \sqrt{\frac{2\Delta P}{\rho_l}} t, \quad 0 < t < t_b$$

$$S = 2.95 \left(\frac{\Delta P}{\rho_a} \right)^{1/4} \sqrt{d_0 t}, \quad t_b \leq t$$

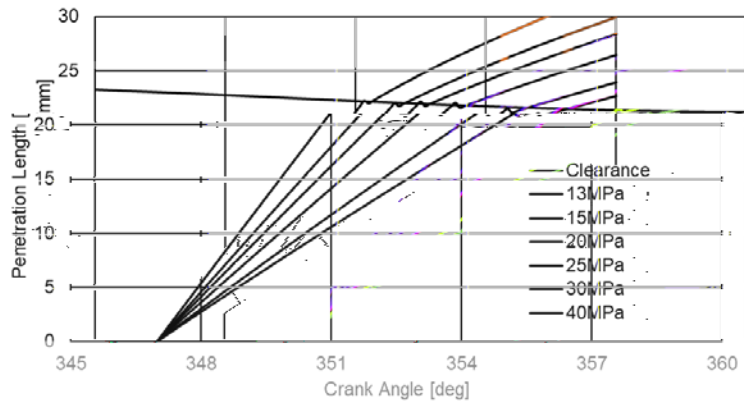


Fig.2 クリアランスと噴霧液相ペネトレーション

20MPa

40MPa

13MPa