$\theta_{ref,end} = \pi$ [rad]

$v_{max} = 1$ $\left[\frac{\text{rad}}{\text{s}}\right]$

$a_{max} = 5$ $\left[\frac{\text{rad}}{\text{s}^2}\right]$

$\theta_{ref,end} = \frac{\pi}{2}$ [rad]

$v_{max} = 3$ $\left[\frac{\text{rad}}{\text{s}}\right]$

$a_{max} = 12$ $\left[\frac{\text{rad}}{\text{s}^2}\right]$