

BMS-4040 ϕ 8.0mm End mill Application (A6061)

Motor Spindle BMS-4040
Machine Sodick MC (MC430L)
Tools NS TOOL ϕ 8.0 3-Flute Power "Z" End mill for Aluminum ALZ345 ϕ 8
Work Aluminum Alloy (A6061)
Cutting W : 12.9mm Depth : 6.1mm Slotting/ Side milling
Coolant Non-water-soluble cutting oil
Cutting Condition

		NS TOOL	NAKANISHI
Cutting Speed [m/min]		350	502
Spindle Speed [min ⁻¹]		13,900	20,000
Groove cutting	Feed Rate[mm/min]	2,600	600
	Feed Rate[mm/tooth]	0.062	0.01
	Depth of cut $A_p \times A_e$ [mm]	8 × 8	1.5 × 8
Side milling	Feed Rate[mm/min]	3,500	900
	Feed Rate[mm/tooth]	0.083	0.015
	Depth of cut $A_p \times A_e$ [mm]	8 × 2.4	6 × 1 Finishing : 6.1 × 0.05
Processing Time(sec)			23
E4000 Controller load meter		—	2 load meter lighting (continuous duty operation)

