

BMS-4020 ϕ 8.0mm End mill Application (A5052)

Motor Spindle BMS-4020
Machine Sodick MC (MC430L)
Tools MISUMI ϕ 8mm two-flute TSC carbide
 Square End Mill TSC-EM2S8
Work Aluminum Alloy (A5052)
Cutting Side Milling, Max cutting depth 9mm, Cutting interval: 1mm
Coolant Non-water-soluble cutting oil

Cutting Condition

	MISUMI	NAKANISHI
Cutting Speed [m/min]	156	502
Spindle Speed [min ⁻¹]	6,200	20,000
Feed [mm/min]	1,090	4,000
Feed Rate [mm/tooth]	0.09	0.1
Depth of cut Ap × Ae [mm]	12 × 1.6	0.5 × 6
E4000 Controller load meter	—	1 load meter lighting (continuous duty operation)
Processing Time[sec]	—	175

