

# ROBODRILL $\alpha$ -D21SiB5 Plus Mechanical specifications



ROBODRILL $\alpha$ - D21SiB5 Plus			
Travel X/Y/Z	mm		300 x 300 (+100) x 330
Table size	mm		630 x 330
Max. table load	kg		200
Machine mass/with DDR-TiB	t		2/2.2
Max. tool length	mm		190
Max. tool diameter	mm		80
Max. tool mass	kg		3
Total mass	kg		33
Number of tools			21
Spindle holder 7/24 taper No.30/SK30 DIN 69871A			○
Spindle holder BBT30			●
Distance from spindle nose to table (with HC100)	mm		250-580
Controller			31i-B5 Plus
Spindle speed	rpm		10000   24000
Spindle load 10,000 rpm (1 min)	Nm   kW		80   14.2
Spindle load 10,000 rpm (continuous operation)	Nm   kW		13.6   4
Spindle load 24,000 rpm (1 min)	Nm   kW		35   26
Spindle load 24,000 rpm (continuous operation)	Nm   kW		7.5   5.5
Rapid traverse in all axes	m/min		54
Maximum programmable cutting feed	mm/min		30000
Tool change time (2 kg-tool) (cut to cut)	s		1.6
Bidirectional accuracy of positioning of an axis (ISO230-2:1988)	mm		< 0.006
Bidirectional repeatability of positioning of an axis (ISO230-2:1997,2006)	mm		< 0.004
Air pressure consumption	L/min   MPa		160   0.35-0.55

- Not available      ● Available      ○ Optional

# ROBODRILL $\alpha$ -D21SiB5 Plus Dimensions

