

ROBODRILL α -D21SiB5 Mechanical specifications



ROBODRILL α - D21SiB5			
Travel X/Y/Z	mm		300 x 300 (+100) x 330
Max. tool length (0–24,000 rpm)	mm		190
Max. tool diameter	mm		80
Table size	mm		630 x 330
Max. table load	kg		200
Max. tool mass (0–24,000 rpm)	kg		3
Distance from spindle nose to table (with HC100)	mm		250-580
Controller			31i-B5
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
Programmable cutting feed	mm/min		30000
Acceleration X/Y/Z [G] (100kg table load, 2kg-tool)			1.6/1.2/1.6
Number of tools			21
Tool change time (2 kg-tool) (cut to cut)	s		1.6
Spindle holder BT30/SK30 DIN 69871A			●
Spindle holder BBT30			○
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		150 0.35–0.55
Machine mass/with DDR-T	t		2/2.2

- Not available ● Available ○ Optional

ROBODRILL α -D21SiB5 Dimensions

