

ROBODRILL α -D21LiB5 Plus Mechanical specifications



ROBODRILL α - D21LiB5 Plus			
Travel X/Y/Z	mm		700 x 400 x 330
Table size	mm		850 x 410
Max. table load	kg		300
Machine mass/with DDR-TiB	t		2.1/2.3
Max. tool length (0–24,000 rpm)	mm		250
Max. tool diameter	mm		80
Max. tool mass (0–24,000 rpm)	kg		3
Total mass	kg		33
Number of tools			21
Spindle holder BT30/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
Acceleration X/Y/Z [G] (100kg table load, 2kg-tool)			1.4/1.0/1.6
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 α -D21LiB5 Plus Dimensions

