

ROBODRILL α -D21SiB5 Plus Mechanical specifications



ROBODRILL α - 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 (0–24,000 rpm)	mm	190	
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)		1.6/1.2/1.6	
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-D21SiB5 Plus Dimensions

