

# ROBODRILL $\alpha$ -D21LiB5 Plus Mechanical specifications



ROBODRILL $\alpha$ - 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 (changes by specifications)	mm	250 mm	
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		○	
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 $\alpha$ -D21LiB5 Plus Dimensions

