

# ROBODRILL $\alpha$ -D21MiB5 Mechanical specifications



ROBODRILL $\alpha$ - D21MiB5			
Travel X/Y/Z	mm	500 x 400 x 330	
Max. tool length (0–24,000 rpm)	mm	250	
Max. tool diameter	mm	80	
Table size	mm	650 x 400	
Max. table load	kg	300	
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 $\alpha$ -D21MiB5 Dimensions

