

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

