



Cylindrical grinding devices for external and internal grinding and the polishing of lathes

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Description of the machine

The cylindrical grinding device is clamped into the lathe by the help of a multifix holder.

The grinding wheel for the internal and external grinding is inserted in the tool holder HSK-C-40 with manual cocking by the help of a grinding spindle with permanent lubrication.

The grinding spindle is driven by a three-phase-motor

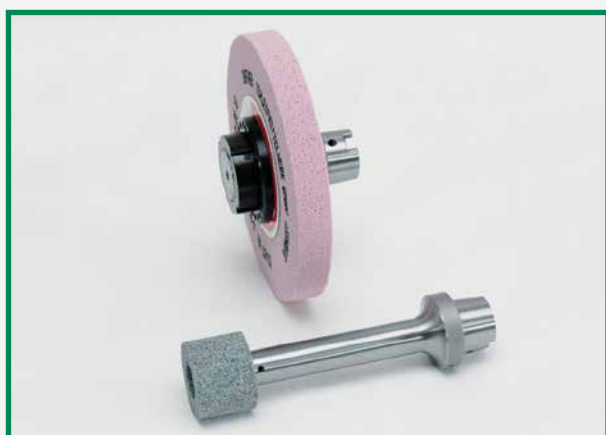
with a toothed-belt drive system which is designed for very high speeds.

The motor is driven by a frequency converter which is integrated into a separate switchbox. Therefore, infinitely variable speeds from 500min⁻¹ up to 12500min⁻¹ are possible. The direction of rotation can be modified by a trigger switch.



Technische Daten

Designation	SVD60X138-HSK-C40_001	SVD60X138-HSK-C40_002	SVD60X200-HSK-C40_001
Motor characteristics	1,1KW; 230/400V; 50Hz	0,55KW; 230/400V; 50Hz	1,1KW; 230/400V; 50Hz
Rotation speed	500min ⁻¹ bis 12500min ⁻¹	500min ⁻¹ bis 12500min ⁻¹	500min ⁻¹ bis 12500min ⁻¹
Spindel seat	HSK-C-40 manual cocking	HSK-C-40 manual cocking	HSK-C-40 manual cocking
Grinding wheel diameter	80mm to 150mm	80mm to 100mm	80mm to 150mm
Grinding wheel width	18mm	10mm	18mm
Interior diameter of the grinding tool	10m to 40mm	10m to 40mm	10m to 40mm
Spindle diameter	60mm	60mm	60mm
Spindle length	138mm	138mm	200mm
Toothed belt wheel motor	GT5MR/z=54	GT5MR/z=54	GT5MR/z=54
Toothed belt wheel spindle	GT5MR/z=24	GT5MR/z=24	GT5MR/z=24
Toothed belt	GT5MR400; 20wide	GT5MR400; 20wide	GT5MR400; 20wide



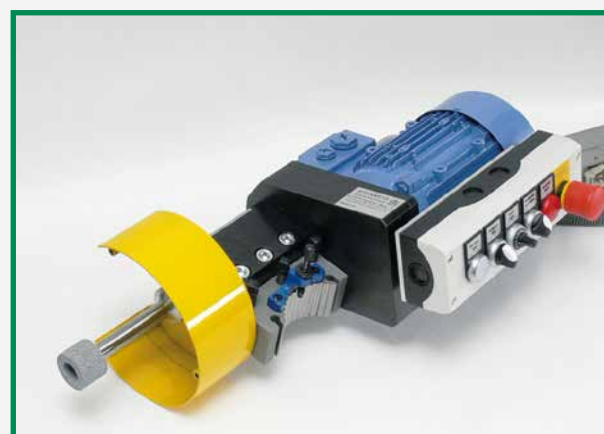
Grinding wheel mounting HSK-C-40 for external wheel, internal grinding tool and polishing wheels



Cylindrical grinding device with switchbox, control panel and HSK-C40 grinding wheel mounting



Cylindrical grinding device with control panel and HSK-C40 mounting for external grinding wheels



Cylindrical grinding device with control panel and HSK-C40 mounting for internal grinding wheels