

Machine - Datasheet

Machinetype: Vertical Turret Lathe - Double Column with boring and milling device
 Make: SCHIESS
 Type: VMG
 New in: 2006
 Control: CNC Siemens 840D Powerline
 Origin: Germany
 Term of delivery: Immediately
 Quotation: Ex works
 Description: -



Technical Details / Accessories / Additional

Technical details	Dimension	Unit
Dimensions and travels:		
- Turning and swing diameter max.:	3.200	mm
- Portal passage width:	2.940	mm
- Machining/workpiece height:	2.500	mm
- Diameter of the faceplate:	2.800	mm
- Vertical adjustment of the chisel slide:	1.400	mm
- Vertical adjustment of the crossbeam:	1.700	mm
- Horizontal adjustment of the portal:	+/-1.600	mm
Speeds:		
- Stepless faceplate speed - for turning operations:	0,62 – 210	rpm
- Stepless faceplate speed - for milling operations:	0,0004 - 4	rpm
- Portal feed rate:	0,1 - 2.000	mm/min
- Vertical chisel slide speed:	0,1 - 16.000	mm/min
- Horizontal chisel slide speed:	0,1 - 16.000	mm/min
- Portal rapid traverse speed:	8.000	mm/min
- Rapid traverse speed crossbeam:	4.000	mm/min
Power and torque:		
- Torque on the faceplate max.:	70	kNm
- Cutting force for turning operations max.:	50	kN
- Cutting force for milling:	25	kN
Workpiece weight:		
- Table load max.:	25.000	kg

Subject to alterations (prior sales and errors excepted).

RAM:

- Cross-section of the chisel slide:	280 x 240	mm
- Smallest immersion diameter:	375	mm
- Permissible cutting force for turning operations max.:	50	kN

Boring and milling device:

- Drive power:	52	kW	
- Speeds of the drive spindle:	5 - 3.150	rpm	
- Number of gear stages:	2		
- Spindle speeds	Step I: Step II:	5 - 180 - 520 30 - 1.100 - 3.150	rpm rpm
- Torque on the spindle max.	Step I: Step II:	450 - 450 - 160 2.400 - 2.400 - 850	Nm Nm

EQUIPMENT:

- 1 x Angle boring and milling head WB 1 PB

Motor power:	32	kW
Spindle torque max.:	1.400	Nm
Spindle speed max.:	3.150	rpm
Rated speed:	100	rpm

- Automatic tool clamping
- Internal and external coolant supply

Straight boring and milling head GB 1 B

Motorleistung: 52 kW

Spindle torque max.: 2.400 Nm / 450 Nm

Spindle speed max.: 520 rpm / 3.150 rpm

Rated speed: 180 rpm / 1.100 rpm

- Automatic tool clamping
- Internal and external coolant supply

- Standard steel holder 32 x 32

- Cutting force max.: 30 kN
- Manual clamping
- External coolant supply

- Multiple turning tool holder

- Fitting: 2 x 3 Standard steels 40 x 40
- Cutting force max.: 40 kN
- Manual placement
- External coolant supply

- Multiple turning tool holder

- Fitting: 2 x 3 Capto C5
- Cutting force max.: 17 kN
- Manual placement
- Internal and external coolant supply

EQUIPMENT.

- Internal coolant trough the spindle

- Chip conveyor

Subject to alterations (prior sales and errors excepted).

- Head exchange station
- Tool changer: 80 tool positions in total, Configuration: 70 positions in SK50 and 10 positions in SK40
- CE marking
- Documentation

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