

Column drill SB 40 NC ▶Plus



- ▶ 3-year warranty for single-shift operation
- ▶ Warranty extension to 4 or 5 years available! See page 72-73

Fig.: SB 40 NC ▶Plus with special equipment

Standard equipment

- ▶ Thread cutting system
- ▶ Control panel with OLED display
- ▶ Robust, high-quality drill head hood with ergonomically tilted front
- ▶ LED lighting
- ▶ Quick-adjust ergonomic depth stop
- ▶ Stepless speed regulation via the central knob
- ▶ Emergency stop switch
- ▶ Thermal overload protection
- ▶ Spindle stop
- ▶ Drill protection with electrical fuse
- ▶ Connecting cable with CEE plug
- ▶ Switch lever for manual/automatic mode
- ▶ Easy-read control panel with central metal knob
- ▶ Easily understandable input menu
- ▶ Selectable mode of operation: drilling/thread cutting
- ▶ Counting function for drilling stroke
- ▶ Additional panel for automatic mode (activation by moving switch lever to automatic)
- ▶ 4.3" touchscreen display
- ▶ Comfort operator/machine interface for programming the spindle sleeve feed
- ▶ Selectable mode of operation: Drilling, reaming, countersinking, flow forming, thread cutting
- ▶ Free-programming function
- ▶ Choice of machine settings

Special equipment

- ▶ LED lighting with articulated arm
Order no. 290.241
- ▶ Machined foot plate
Order no. 290.175D
- ▶ Combi drilling table with vice and square table 360° rotatable with scale, jaw width 120 mm, span 105 mm, column diameter 125 mm (deviating), table surface 350 x 350 mm
Order no. 290.138
- ▶ Machined foot plate incl. integrated coolant system
Filling capacity: max. 15 l
Delivery rate: max. 30 l/min
Order no. 290.160D
- ▶ Coolant system (separate tank)
Filling quantity: max. 30 l/min
Delivery rate: max. 30 l/min
Order no. 290.340
- ▶ Foot switch
Drilling function: Spindle ON and OFF
Thread cutting function: Clockwise/anti-clockwise rotation

Technical data

Drilling capacity/normal drilling performance (mm)	
R1 (measured torque Nm)	30/35 (in E335/ST60) (135)
R2 (measured torque Nm)	27/32 (in E335/ST60) (90)
R3 (measured torque Nm)	35/40 (in E335/ST60) (260)
Thread cutting performance max. (depending on gradient)	
R1	M30x3.5
R2	M24x3
R3	M36x4
Spindle	MK IV
Drilling depth (mm)	160
Distance column-spindle (mm)	300
Column diameter (mm)	140
Useable table surface (W x L) (mm)	590 x 450
Speed indicator	digital
Drilling depth indicator	digital
Drilling depth stop	with fine tuning
Table height adjustment	with toothed rack
Spindle/table (mm)	150-700
Machine dimensions without VP (mm)	610 x 900 x 1,980
Machine dimensions with VP (mm)	670 x 1,100 x 2,200
Three-phase current motor 400 V with frequency converter (kW)	4.0
Spindle speed, stepless (1/min)	
R1 (1-stage)	0-1,000
R2 (1-stage)	0-1,600
R3 (2-stage with gearing)	0-4,000

SB 40 NC Plus

Feed/return stroke, infinitely variable (m/min)	0-1.5
Weight (kg)	440 kg
Order no. R1	230.540
Order no. R2	230.541
Order no. R3	230.542
Additional accessories	from page 62

* The drilling machine is fitted with a frequency converter and complies with the standards DIN EN 55011:2016 & A1:2017.

For AUTO: Programme start/stop
Order no. 231.000

- ▶ Commissioning the machine and briefing the operating staff
Order no. 229.931

Accessories

Drill package 6

- ▶ Vice [felix] 150 2.0
- ▶ Taper mandrel MK IV/B18
- ▶ Reduction sleeve MK IV/MK III
- ▶ Reduction sleeve MK IV/MK II
- ▶ Quick-change drill chuck B18 3-16 mm (accuracy 0.17 mm)
Order no. 296.595

