

## Bench/column drilling machines with V-belt drive

### Facts that impress in terms of quality, performance and price

- ▶ User-friendly safety switch with IP 54 degree of protection and separate emergency stop mushroom button
- ▶ Drilling depth stop
- ▶ Precise workmanship; stable drilling table with diagonal T-grooves and all-around cooling water channel
- ▶ Drilling table height-adjustable via rack
- ▶ Drilling table pivots through  $\pm 45^\circ$  and rotates through  $360^\circ$
- ▶ V-belt cover with safety switch
- ▶ Single-piece, pressure cast aluminium spindle sleeve lever with Softgrip handles
- ▶ Industrial motor
- ▶ Precision spindle bore
- ▶ Safety electrical system in 24 V DC
- ▶ Guaranteed concentricity less than 0.02 mm measured in the drilling spindle sleeve
- ▶ Drill spindle with precision ball bearings

- ▶ Premium quick clamping chuck
- ▶ Generously dimensioned, height adjustable protective screen with safety switch
- ▶ Heavy duty design of entire machine

### B 23 Pro to B 33Pro

- ▶ GATES quality belts

### B 23 Pro / 400 V to B 33Pro

- ▶ Clockwise/Anti-clockwise rotation

### B 33Pro

- ▶ Solid, generously dimensioned baseplate with T-grooves, pronounced ribbing on rear



### Belt drive

- Smooth action thanks to polished multi-tooth carrier
- Best possible force transmission thanks to aluminium pulleys in combination with GATES quality toothed belts (as of B 23Pro)



Fig.: B 17Pro

Fig.: B 23Pro

Fig.: B 26Pro

Fig.: B 33Pro

## Technical data and accessories

Model	B 17Pro	B 23Pro	B 26Pro	B 33Pro
Article no. (230 V)	3003171	3003231	-	-
Article no. (400 V)	-	3003233	3003263	3003333
<b>Technical specifications</b>				
Electrical connection	230 V / 1 Ph ~50 Hz	230 V/1 Ph w.o. 400 V/3 Ph	400 V / 3 Ph ~50 Hz	400 V / 3 Ph ~50 Hz
Motor output	500 W	750 W	750 W	1.1 kW
<b>Drilling performance</b>				
Drilling performance in steel (S235JR)	Ø 16 mm	Ø 25 mm	Ø 25 mm	Ø 30 mm
Continuous drilling performance in steel (S235JR)	Ø 12 mm	Ø 20 mm	Ø 20 mm	Ø 25 mm
<b>Spindle holder</b>				
Spindle sleeve stroke	65 mm	80 mm	85 mm	120 mm
Spindle holder	MT 2	MT 2	MT 3	MT 4
Throat	152 mm	180 mm	210 mm	254 mm
<b>Speeds</b>				
Spindle speeds	500 - 2,520 rpm	200 - 2,440 rpm	200 - 2,440 rpm	120 - 1,810 rpm
Number of gears	5 gears	12 gears	12 gears	9 gears
<b>Drilling table</b>				
Workspace table length x width	235 x 220 mm	280 x 245 mm	330 x 290 mm	475 x 425 mm
T-groove size	12 m, diagonal	12 mm, diagonal	14 mm, diagonal	14 mm, diagonal
Drilling table pivots/rotates	± 45° / 360°	± 45° / 360°	± 45° / 360°	± 45° / 360°
Clearance spindle - drilling table	max. 325 mm	max. 425 mm	max. 720 mm	max. 695 mm
<b>Machine base</b>				
Machine base work area L x W	220 x 230 mm	240 x 250 mm	385 x 260 mm	410 x 325 mm
Groove size/count/spacing	16 mm / 2 / 148 mm	16 mm / 2 / 170 mm	16 mm / 2 / 170 mm	16 mm / 2 / 250 mm
Distance spindle - machine base	max. 530 mm	max. 618 mm	max. 1,230 mm	max. 1,180 mm
<b>Dimensions</b>				
Column diameter	Ø 60 mm	Ø 73 mm	Ø 80 mm	Ø 92 mm
Length x width x height	565 x 275 x 840 mm	615 x 330 x 1,015 mm	670 x 355 x 1,640 mm	755 x 440 x 1,705 mm
Overall weight	36.5 kg	58 kg / 63.5 kg	85 kg	132 kg

### Scope of Delivery

- Quick-action drill chuck 1 - 16 mm
- Morse taper MT 2/B16 (B 17Pro/B 23Pro)
- Morse taper MT 3/B16 (B 26Pro)
- Morse taper MT 4/B16 (B 33Pro)
- T-slot nuts

Accessories B 17Pro / B 23Pro	Article no.
<b>Direct quick release chuck:</b>	
MT 2 / 1 - 16 mm	3050571
MT 2 / 1 - 13 mm	3050572
Morse taper MT 2/B16	3050659
Twist drill HSS MT 2	3051002
Assortment of clamping tools size 10	3352016
Taper drill punch MSP1	3050636
Universal coolant unit	3352002

Machine vices	Article no.
<b>BMS 100</b>	3000010
<b>BMS 120</b>	3000012
<b>BSI 100</b>	3000210
<b>BSI 140</b>	3000214
<b>BSI-Q 100</b>	3000230
<b>BSI-Q 140</b>	3000234



Accessories B 26Pro	Article no.
<b>Quick release chuck direct MT 3</b>	3050573
<b>Reduction sleeves MT 3 - MT 2</b>	3050663
<b>Morse taper MT 3/B16</b>	3050660
<b>Twist drill HSS MT 3</b>	3051003
<b>Assortment of clamping tools size 12</b>	3352017
<b>Taper drill punch MSP1</b>	3050636
<b>Thread tapping chuck M5-M12</b>	3352042
<b>Universal coolant unit</b>	3352002

Accessories B 33Pro	Article no.
<b>Quick release chuck direct MT 4</b>	3050574
<b>Reduction sleeves MT 4 - MT 3</b>	3050664
<b>Morse taper MT 4/B16</b>	3050661
<b>Twist drill HSS MT 3</b>	3051003
<b>Assortment of clamping tools size 12</b>	3352017
<b>Taper drill punch MSP2</b>	3050637
<b>Thread tapping chuck M5-M12</b>	3352042
<b>Universal coolant unit</b>	3352002

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