

OPTI drill® B 13 / B 14 / B 16 / B 20 / B 25 / B 32

Inexpensive bench/Upright drills with V-belt drive

Facts that impress in terms of quality, performance and price

- ▶ Precision drilling table, pivots through $\pm 45^\circ$
- ▶ Solid, generously dimensioned baseplate with grooves, rear with pronounced ribbing
- ▶ Quality proven in millions of applications

As of B 14

- ▶ T-slot nut for fastening vice

As of B 20

- ▶ Precise workmanship; stable drilling table with diagonal T-slots and all-around cooling water channel

As of B 20 / 400 V

- ▶ Right-handed/left-handed rotation



Fig.: B 13

Fig.: B 14

Fig.: B 16

Fig.: B 20

| Model | B 13 | | B 14 | | B 16 | | B 20 | |
|---|-----------------------------|--|----------------------------|--|----------------------------|--|----------------------------|--------------|
| Article no. | 3008131 | | 3008141 | | 3008161 | | 3008201 | 3008203 |
| Technical specifications | 230 V / 1 Ph ~50 Hz | | 230 V / 1 Ph ~50 Hz | | 230 V / 1 Ph ~50 Hz | | 230 V / 1 Ph | 400 V / 3 Ph |
| Electrical connection | 300 W | | 350 W | | 450 W | | 0.55 kW | |
| Motor output | Drilling performance | | | | | | | |
| Drilling performance in steel (S235JR) | $\varnothing 13$ mm | | $\varnothing 14$ mm | | $\varnothing 16$ mm | | $\varnothing 20$ mm | |
| Continuous drilling performance in steel (S235JR) | $\varnothing 12$ mm | | $\varnothing 12$ mm | | $\varnothing 15$ mm | | $\varnothing 18$ mm | |
| Spindle | 50 mm | | 50 mm | | 65 mm | | 80 mm | |
| Spindle sleeve stroke | 104 mm | | 104 mm | | 125 mm | | 170 mm | |
| Throat | fixed/B16 | | fixed/B16 | | MT 2 | | MT 2 | |
| Spindle seat | Speeds | | | | | | | |
| Spindle speeds | 520 - 2 620 rpm | | 520 - 2 620 rpm | | 660 - 2 500 rpm | | 210 - 2 220 rpm | |
| Number of speeds | 5 speeds | | 5 speeds | | 5 speeds | | 12 speeds | |
| Drilling table | 160 x 160 mm | | 160 x 160 mm | | 200 x 200 mm | | 275 x 275 mm | |
| Drilling table workspace L x W | 14 mm, diagonal | | 14 mm, diagonal | | 14 mm, diagonal | | 14 mm, diagonal | |
| T-slot width | $360^\circ / \pm 45^\circ$ | | $360^\circ / \pm 45^\circ$ | | $360^\circ / \pm 45^\circ$ | | $360^\circ / \pm 45^\circ$ | |
| Drill table rotation/lateral tilt | max. 240 mm | | max. 330 mm | | max. 390 mm | | max. 465 mm | |
| Clearance spindle - drilling table | Machine base | | | | | | | |
| Machine base work area L x W | 135 x 175 mm | | 140 x 180 mm | | 160 x 170 mm | | 205 x 200 mm | |
| Distance spindle - machine base | max. 325 mm | | max. 440 mm | | max. 525 mm | | max. 645 mm | |
| Dimensions | 46 mm | | 46 mm | | 60 mm | | 70 mm | |
| Column diameter | 420 x 220 x 580 mm | | 420 x 230 x 700 mm | | 510 x 270 x 820 mm | | 600 x 350 x 990 mm | |
| Length x width x height | 18 kg | | 20 kg | | 34 kg | | 51 kg | |
| Weight | | | | | | | | |