

OPTIdrill® DH 45G / DH 45V

Heavy-duty gearbox drilling machine with thread tapping device for industrial applications.
DH 45V with continuously adjustable speed control

Facts that impress in terms of quality, performance and price

- ▶ Heavy, solid cast design
- ▶ Dirt- and water-resistant, easy-to-clean membrane keyboard
- ▶ 24 V DC electronics
- ▶ Drilling depth stop
- ▶ Automatic gearwheel lubrication via oil pump
- ▶ Thread tapping device.
- ▶ Machine lamp integrated in drilling head
- ▶ Main switch
- ▶ Generously dimensioned, height adjustable protective screen with safety switch for greatest possible user protection
- ▶ Generously dimensioned drilling table, solid, precision workmanship, with parallel T-slots and recirculating coolant duct, reinforcing ribs on rear, rotates through $\pm 90^\circ$ about the column, laterally tilting
- ▶ Cooling unit and external coolant tank, can be removed for easier and complete emptying

- ▶ Extremely stable, thick-walled cast-iron column for excellent force absorption
- ▶ Solid base plate with parallel T-slots, precision surface finish
- ▶ Optional footswitch available for toggling between clockwise/anticlockwise run and for thread tapping (Article no. 3050032)

OPTIdrill DH 45G

- ▶ Mechanical spindle sleeve feed

OPTIdrill DH 45V

- ▶ Electrical spindle sleeve feed
- ▶ Continuously adjustable speed control
- ▶ Feed shutdown

DH 45V Siemens SINAMICS G110M



State-of-the-art control solution



- › Easily readable digital display for speed, drilling depth | tapping depth and piece counter
- › Feed deactivation via depth adjustment



Fig.: DH 45G

Technical specifications, accessories and dimensions

WITH AND
WITHOUT VARIO



| Model | DH 45G | DH 45V** |
|---|-----------------------------------|-------------------------------------|
| Article no. | 3034255 | 3034262 |
| Technical specifications | | |
| Electrical connection | 400 V / 3 Ph ~50 Hz | |
| Motor output | 2.2 kW | |
| Coolant pump motor | 40 W | |
| Drilling performance | | |
| Drilling performance in steel (S235JR) | Ø 40 mm | |
| Cont. drilling performance steel (S235JR) | Ø 35 mm | |
| Thread tapping steel (S235JR) | M35 | |
| Spindle | | |
| Spindle sleeve stroke | 180 mm | |
| Spindle seat | MT 4 | |
| Throat | 350 mm | |
| Automatic spindle sleeve feed | 3 speeds: 0.1 / 0.15 / 0.2 mm/rev | |
| Speeds | | |
| Spindle speeds | 90 - 1 520 rpm | 30 - 2 430 rpm |
| Number of speeds | 8 speeds | 4 speeds, electronically controlled |
| Drilling table | | |
| Drilling table workspace L x W | 530 x 530 mm | |
| T-slot size / spacing / count | 16 mm / 3 / 125 mm | |
| Drilling table load bearing capacity | 250 kg | |
| Drill table rotation/lateral tilt | 360° / ± 90° | |
| Clearance spindle - drilling table | 100 - 740 mm | |
| Machine base | | |
| Machine base work area L x W | 435 x 445 mm | |
| T-slot size / spacing / count | 18 mm / 150 mm / 2 | |
| Distance spindle - machine base | max. 1 210 mm | |
| Dimensions | | |
| Column diameter | Ø 150 mm | |
| Length x width x height | 850 x 550 x 2.350 mm | |
| Weight | 530 kg | 550 kg |

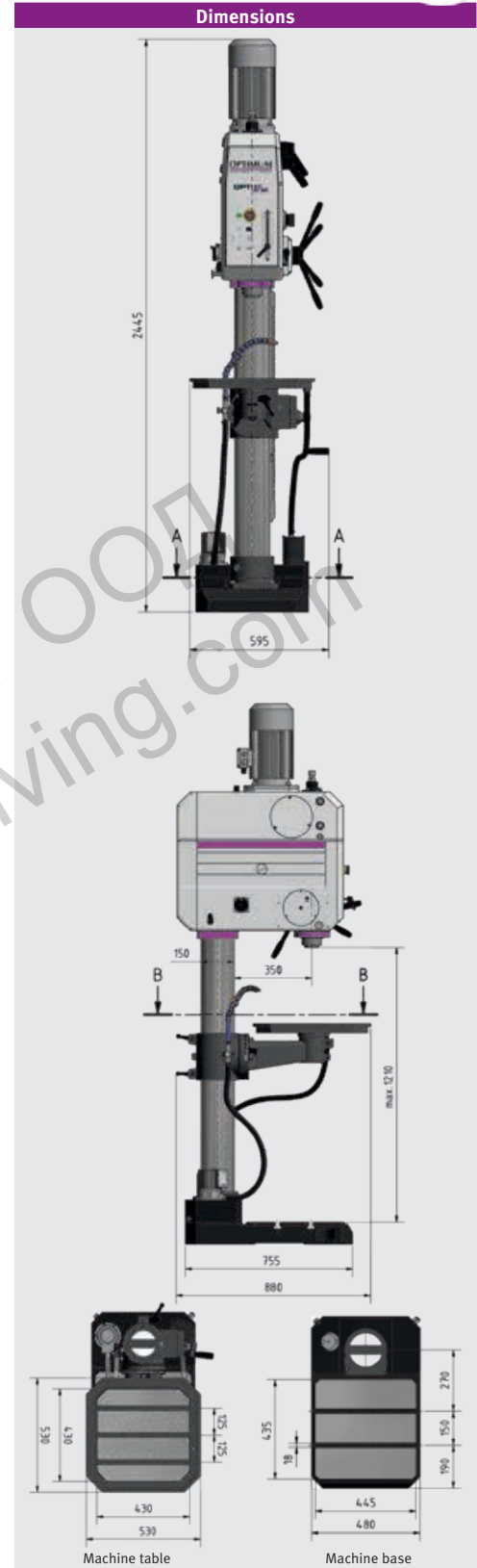
| Accessories | Article no. |
|--|-------------|
| Assortment of clamping tools size 16, 58-parts | 3352019 |
| Assortment of clamping tools size 14, 58-parts | 3352018 |
| Twist drill bits HSS-CO 5%, 25 parts | 3201010 |
| Twist drill bits HSS-CO 5%, 51 parts | 3201020 |
| Twist drill bits HSS-CO 5%, 41 parts | 3201021 |
| Direct quick release chuck 1 - 16 mm | 3050574 |
| Reduction sleeve MT 4 - MT 3 | 3050664 |
| Reduction sleeve MT 4 - MT 2 | 3050665 |
| Thermdrill MT 2 | 3060005 |
| Foot switch | 3050032 |

for thread tapping and toggling clockwise/anticlockwise rotation

› More „Accessories for drills“ from page 64



| Machine vices | Article no. |
|---------------|-------------|
| BSI 140 | 3000214 |
| BSI 200 | 3000220 |
| BSI-Q 140 | 3000234 |
| BSI-Q 200 | 3000240 |



Scope of supply

- › Quick-action drill chuck 1 - 16 mm
- › Morse taper MT 4/B16

* Important information on transport surcharges and „Operation of machines with frequency converters“ on page 253

**The drill (frequency converter) complies with the DIN EN 55011 standard: class C2