

## Gear drilling machine

### OPTIdrill DH 55G

Heavy duty tapping attachment for industrial use

#### Article number ▼

3034265

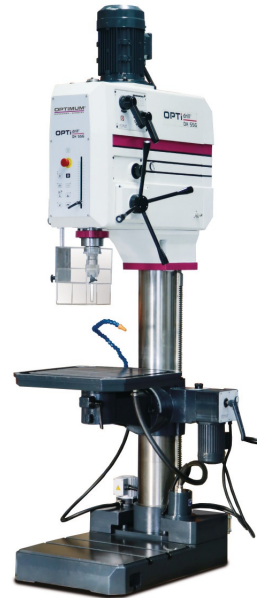
#### Brand ▼

Optimum

#### Catalog directory ▼

Metalworking machines » Drilling machines  
» Transmission drilling machines » OPTIdrill  
DH 55 G / DH 55 V

**OPTIMUM**<sup>®</sup>  
MASCHINEN - GERMANY



#### Shipping informations ▼

| Packaging Metrics |          | Weights |        | Delivery |          | Other   |     |
|-------------------|----------|---------|--------|----------|----------|---------|-----|
| Length            | 2,620 mm | Gross   | 960 kg | Delivery | Carrier  | DualUse | ✘   |
| Width             | 870 mm   | Net     | 850 kg | Content  | 1 pc(s). | SCIP    | n/a |
| Height            | 1,290 mm |         |        |          |          | SVHC    | No  |



## Description ▼

- Heavy, solid cast construction
- Dirt and water resistant, easy to clean membrane keypad
- Electronics 24V DC
- Electrical quill feed
- Depth stop
- Threading attachment
- Machine light integrated in the drill head
- Large, height-adjustable protective screen with safety switch for maximum protection of the user
- Large dimensioned, solid drill table, precisely worked with parallel T-slots and circumferential cooling water channel, strongly ribbed on the back, tiltable  $\pm 90^\circ$  sideways
- Motorized rotary table height adjustment
- Coolant system and external coolant tank can be removed for easy and complete emptying
- Chip filter according to Machinery Directive
- Extremely stable, thick-walled cast-iron column for high power consumption
- Solid base plate with parallel T-slots, precision surface finish
- Optional foot switch for switching between clockwise and anticlockwise rotation and for thread cutting

## Delivery content ▼

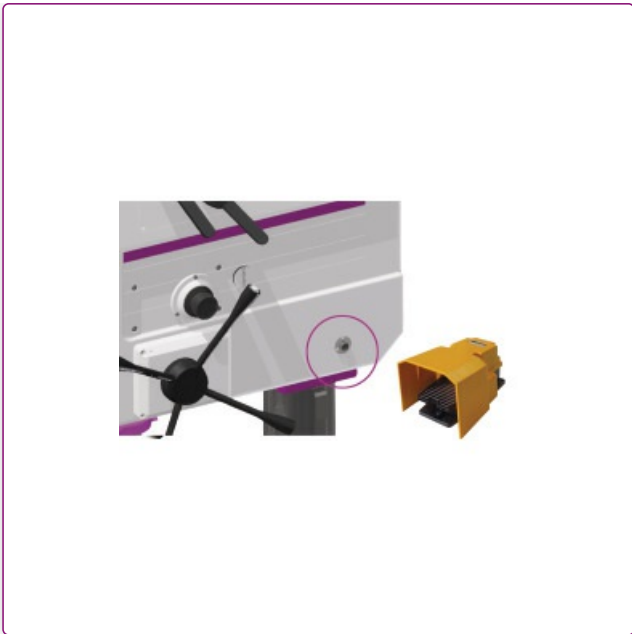
- Keyless chuck 1-16 mm
- Morse cone MK 4 / B 16

## Media informations ▼



**Table height adjustment**

- motor or mechanical



### Foot switch

- Possibility to connect the optional foot switch for switching between clockwise/anticlockwise rotation and for thread cutting (article no. 3050032) available

## Technical data ▼

| Dimensions and weights               |                             |  |          |
|--------------------------------------|-----------------------------|--|----------|
| Column diameter                      | 200 mm                      | Length (product) approx.                       | 850 mm   |
| Width/depth (product) approx.        | 1060 mm                     | Height (product) approx.                       | 2545 mm  |
| Net weight approx.                   | 907 kg                      |  |          |
| Drilling performance                 |                             |  |          |
| Drilling performance steel (S235JR)  | 55 mm                       | Continuous drilling performance steel (S235JR) | 50 mm    |
| Thread tapping steel (S235JR)        | M 42                        |  |          |
| Drilling table                       |                             |  |          |
| Drilling table workspace length      | 600 mm                      | Drilling table workspace width                 | 600 mm   |
| Drilling table T-groove size         | 18 mm                       | Drilling table T-groove number                 | 2        |
| Drilling table rotation              | 360 °                       | Drilling table angle                           | ± 90 °   |
| Drilling table load bearing capacity | 350 kg                      | Max. distance spindle - drilling table         | 725 mm   |
| Min. distance chuck - drilling table | 130 mm                      |  |          |
| Speed range                          |                             |  |          |
| Speed range                          | 45 – 2000 min <sup>-1</sup> | Number of gears                                | 16 Steps |
| Electrical Data                      |                             |  |          |
| Drive motor output                   | 2,2 / 2,8 kW                | Supply voltage                                 | 400 V    |
| Mains frequency                      | 50 Hz                       |  |          |
| Machine base                         |                             |  |          |
| Max. distance spindle - machine base | 1300 mm                     | Machine base workspace length                  | 515 mm   |
| Machine base workspace width         | 570 mm                      | Machine base T-groove size                     | 18 mm    |
| Machine base T-groove number         | 2                           | Machine base T-groove spacing                  | 150 mm   |
| Spindle                              |                             |  |          |
| Quill stroke                         | 200 mm                      | Spindle chuck                                  | MT 4     |

|                                 |         |                  |                  |
|---------------------------------|---------|------------------|------------------|
| Reach                           | 400 mm  | Quill feed speed | 0,1 – 0,2 mm/rev |
| Quill feed gears                | 3 Steps |                  |                  |
| <b>Motor(s)</b>                 |         |                  |                  |
| Coolant pump drive motor output | 100 W   |                  |                  |

## Accessories ▼



### Twist drill HSS with Morse taper

**MT 3**

**Article number ▼**

3051003

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