

## Bench drill

### OPTIdrill DQ 22 (230V)

Inexpensive bench drill with V-belt drive

#### Article number ▼

3191044

#### Brand ▼

Optimum

#### Catalog directory ▼

Metalworking machines » Drilling machines  
» Drilling machines with V-belt drive »  
OPTIdrill DQ

#### Purchase ▼

Minimum 1 pc(s).

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



#### Shipping informations ▼

Packaging Metrics		Weights		Delivery		Other	
Length	880 mm	Gross	45 kg	Delivery	Carrier	DualUse	✘
Width	510 mm	Net	41.7 kg	Content	1 pc(s).	SCIP	n/a
Height	320 mm					SVHC	No



## Description ▼

- Separate emergency stop stop switch
- Drill depth stop
- Precisely machined, stable drilling table with diagonally running T-slots and circumferential cooling water trough
- Drilling table  $\pm 45^\circ$  inclinable and  $360^\circ$  rotatable
- One-piece die-cast aluminium quill lever with soft-grip handles
- Precision spindle drilling
- Safety electrics in 24 V DC voltage
- Guaranteed concentricity accuracy of less than 0.03 mm measured in the drilling sleeve
- Drilling spindle with preprecision ball bearings
- High-quality quick-action drill chuck
- GATES quality belt
- Largely dimensioned base plate with T-slots, heavily ribbed on the rear side
- Largely dimensioned, height-adjustable protective screen with

## Delivery content ▼

- Quick action drill chuck 1 - 16 mm
- Morse taper MK 2/B16
- T-nuts

## Media informations ▼



### Belt drive

- Best power transmission due to aluminium pulleys in combination with toothed GATES quality V-belt
- V-belt cover with safety switch



### LED machine light

- Glare-free LED illumination integrated in the drill head
- No disturbing shadows



### Scale drilling depth stop

- Easily adjustable and readable scale of the drilling depth stop



### Scale table inclination

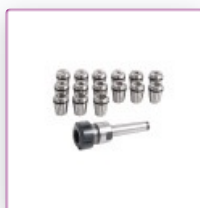
- The drilling table can be tilted 45° to the right or left
- Easy to read angle scale

## Technical data

Dimensions and weights			
Column diameter	70 mm	Length (product) approx.	700 mm
Width/depth (product) approx.	351 mm	Height (product) approx.	1006 mm
Net weight approx.	41.7 kg		
Drilling performance			
Drilling performance steel (S235JR)	20 mm		

		Continuous drilling performance steel (S235JR)	16 mm
<b>Drilling table</b>			
Drilling table workspace length	270 mm	Drilling table workspace width	270 mm
Drilling table T-groove type	diagonal	Drilling table T-groove size	14 mm
Drilling table T-groove number	2	Drilling table rotation	360 °
Drilling table angle	± 45 °	Drilling table load bearing capacity	15 kg
Max. distance spindle - drilling table	460 mm		
<b>Speed range</b>			
Speed range	300 – 2300 min <sup>-1</sup>	Number of gears	12 Steps
<b>Electrical Data</b>			
Drive motor output	0.55 kW	Supply voltage	230 V
Mains frequency	50 Hz		
<b>Machine base</b>			
Max. distance spindle - machine base	639 mm	Machine base workspace length	191 mm
Machine base workspace width	187 mm		
<b>Spindle</b>			
Quill stroke	85 mm	Spindle chuck	MK 2
Reach	169 mm		

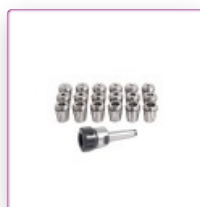
## Accessories ▼



### Collet chuck set MK 2 / ER 25 - M10

Article number ▼  
3352052

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### Collet chuck set MK 2 / ER 32 - M10

Article number ▼  
3352053

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### Tapping attachment M5 - M12 / B16

Built-in fast reverse, immediately effective when changing the feed direction

Article number ▼  
3352042

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**Tapping chuck small**  
**THERMDRILL M3-M12**

**Article number** ▼  
3050715

**OPTIMUM®**  
MASCHINEN - GERMANY



**Tapping chuck big**  
**THERMDRILL M8-M20**

**Article number** ▼  
3050716

**OPTIMUM®**  
MASCHINEN - GERMANY



**Precision quick-action drill chuck**  
**1-10 mm, B16**

**Article number** ▼  
3050610

**OPTIMUM®**  
MASCHINEN - GERMANY



**Keyless drill chuck**  
**DKC13 1-13 mm**

**Article number** ▼  
3050632

**OPTIMUM®**  
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**Keyless drill chuck**  
**DKC16 1-16 mm**

**Article number** ▼  
3050633

**OPTIMUM®**  
MASCHINEN - GERMANY



**OPTIMUM direct quick-action drill chuck**  
MK 2 1 - 16 mm; up to 6000 min<sup>-1</sup>

Article number ▼  
3050571

**OPTIMUM®**  
MASCHINEN - GERMANY



**OPTIMUM direct quick-action drill chuck**  
MK 2 1 - 13 mm; up to 8000 min<sup>-1</sup>

Article number ▼  
3050572

**OPTIMUM®**  
MASCHINEN - GERMANY



**Clamping tool kit**  
SPW 12

Article number ▼  
3352017

**OPTIMUM®**  
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**T-nut**  
M 12/14 mm

Article number ▼  
3353025

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**T-nut**  
M 12 / 15.7 mm

Article number ▼  
3353024

**OPTIMUM®**  
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**Twist drill HSS with Morse taper**  
MT 2

Article number ▼  
3051002

**OPTIMUM®**  
MASCHINEN - GERMANY



**Twist Drill Set**  
25 pieces, 1 - 13 mm

Article number ▼  
3201010

**OPTIMUM®**  
MASCHINEN - GERMANY



**Twist Drill Set**  
41-piece, 6 - 10 mm (0.1 mm rising)

**Article number** ▼  
3201021

**OPTIMUM®**  
MASCHINEN - GERMANY



**Countersink set**  
6 pieces: 6/8/10 / 11.5 / 15/19 mm

**Article number** ▼  
3201050

**OPTIMUM®**  
MASCHINEN - GERMANY



**Countersink set**  
HSS, 6 pieces

**Article number** ▼  
3201051

**OPTIMUM®**  
MASCHINEN - GERMANY



**Sheet metal cone drill set**  
HSS, 3-part, 3 - 30.5 mm

**Article number** ▼  
3201055

**OPTIMUM®**  
MASCHINEN - GERMANY



**Thread repair assortment**  
M5 - M12

**Article number** ▼  
3202010

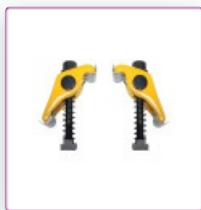
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**Morse taper**  
MK2-B16

**Article number** ▼  
3050659

**OPTIMUM®**  
MASCHINEN - GERMANY



**Down device**  
Table groove 14 mm / M 12

**Article number** ▼  
3352031

**OPTIMUM®**  
MASCHINEN - GERMANY



**Universal coolant device**  
230 V

**Article number** ▼  
3351999

**OPTIMUM®**  
MASCHINEN - GERMANY



**Universal machine and tool trolley**  
MSU 3

**Article number** ▼  
3352990

**OPTIMUM®**  
MASCHINEN - GERMANY



**Universal machine and tool trolley**  
MSU 4

**Article number** ▼  
3352991

**OPTIMUM®**  
MASCHINEN - GERMANY





### Machine vice

**BME 100**

Article number ▼

3052632

**OPTIMUM®**  
MASCHINEN - GERMANY



### Machine vice

**BME 120**

Article number ▼

3052634

**OPTIMUM®**  
MASCHINEN - GERMANY



### Machine vice

**BMP 100**

Article number ▼

3052610

**OPTIMUM®**  
MASCHINEN - GERMANY



### Machine vice

**BMP 130**

Article number ▼

3052613

**OPTIMUM®**  
MASCHINEN - GERMANY



### Workplace mat

**1840 x 640 mm**

For the dry and wet area

Article number ▼

6800000

**unicraft®**  
Werkstatttechnik



### Workplace mat

**1840 x 940 mm**

For the dry and wet area

Article number ▼

6800005

**unicraft®**  
Werkstatttechnik



### Workplace mat

**3040 x 940 mm**

For the dry and wet area

Article number ▼

6800006

**unicraft®**  
Werkstatttechnik



**Workplace mat**  
**3040 x 640 mm**  
For the dry and wet area  
**Article number** ▼  
6800001

