

Bench drill

OPTIdrill B 24HV

Robust design with powerful Optimum brushless drive

Article number ▼

3020245

Brand ▼

Optimum

Catalog directory ▼

Metalworking machines » Drilling machines
» Drilling machines with Vario drive »
OPTIdrill B HV

Purchase ▼

Minimum 2 pc(s).

OPTIMUM[®]
MASCHINEN - GERMANY



Shipping informations ▼

Packaging Metrics		Weights		Delivery		Other	
Length	755 mm	Gross	122 kg	Delivery	Carrier	DualUse	✘
Width	440 mm	Net	96 kg	Content	2 pc(s).	SCIP	n/a
Height	1,175 mm					SVHC	No



Description ▼

- Smooth and powerful brushless drive
- Separate emergency stop impact switch
- Large, height-adjustable protective screen with safety switch for the utmost protection of the user
- Long, ergonomic aluminum die-cast quill lever
One piece cast (B 24HV with softgrip handles)
- Depth stop
- Belt cover with safety switch
- Forward / reverse operation
- Machine light

From OPTIdrill B 28HV

- Quillons made of steel
- Coolant system
- Chip filter according to the Machinery Directive
- Easy tool change through integrated expeller

OPTIdrill B 34HV

- Quill stroke 160 mm
- Tapping function
- Digital depth gauge

Special feature of the OPTIdrill B 34 HV

- **Operating mode "auto"**
 - Engine starts automatically after lever movement
 - Stops again in the starting position
 - Pushbutton Start and Stop does not have to be pressed during repetitive drilling tasks
- **Operating mode "tapping"**
 - Engine is activated by moving the handle down
 - The direction of rotation is changed by limit switches on the adjustable drilling depth stop

Equipmentdetails

Powerful brushless drive

- Especially quiet running
- High performance
- Approximately constant torque over the entire speed range

Belt drive

- Best power transmission through aluminum pulleys in conjunction with toothed GATES quality V-belt
- Smooth running thanks to ground multi-tooth driver

Digital speed display

- integrated in the housing

Speed control

- by means of potentiometer

Concentricity

- Guaranteed ; 0.015 mm measured in the quill

Spindle

- Precision ball bearings
- High quality OPTIMUM keyless chuck as standard

V-belt tensioning device

Machine light

- Integrated in the drill head
- Halogen lamp

Drilling

- Precisely worked
- Diagonal T-slots
- 360 ° rotatable
- Circulating cooling water channel

baseplate

- Solid
- Large dimensions
- Heavily ribbed on the reverse side

cast column

- Thick-walled
- High power and stability

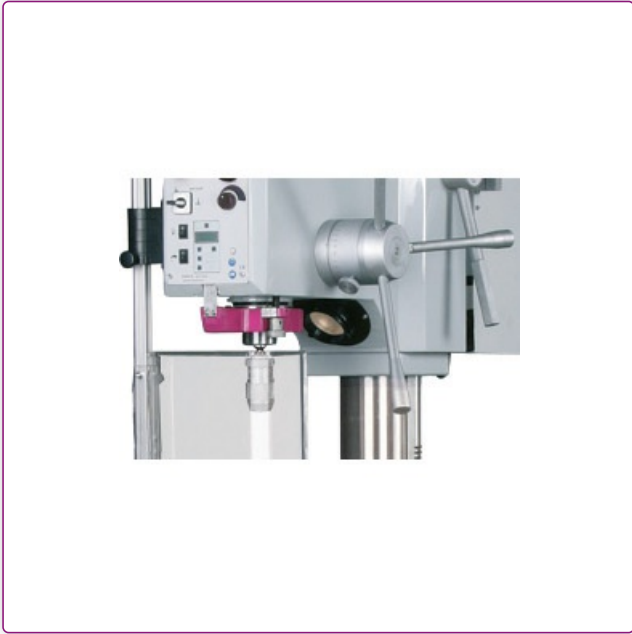
Delivery content ▼

- Optimum quality keyless chuck (1 - 16 mm)
- Morse cone MK 2 / B16
- T-nuts



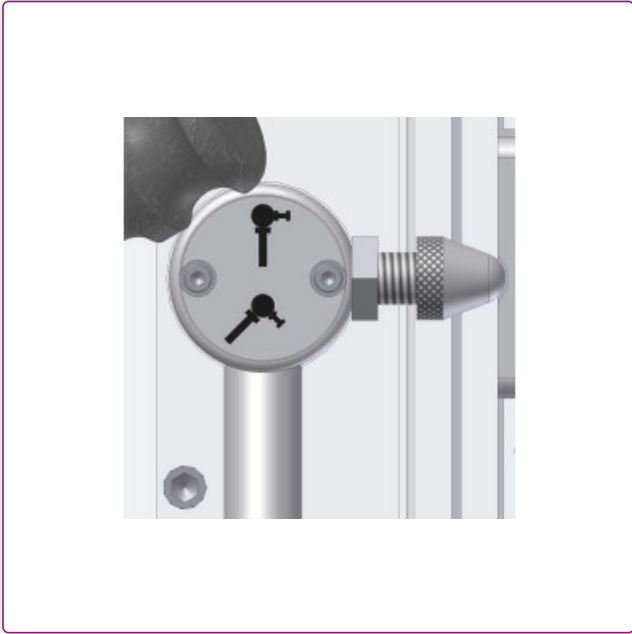
Powerful brushless drive

- Particularly quiet running
- High performance
- Almost constant torque over the entire speed range



Selector switch operating mode "auto"

- Motor starts automatically after lever movement
- Stops again in the starting position
- Start and stop pushbutton does not have to be pressed for repetitive drilling tasks



Lever V-belt tension

- Easy tensioning of the V-belts

Technical data ▼

Dimensions and weights			
Column diameter	80 mm	Length (product) approx.	665 mm
Width/depth (product) approx.	434 mm	Height (product) approx.	998 mm

Net weight approx.	96 kg		
Drilling performance			
Drilling performance steel (S235JR)	24 mm	Continuous drilling performance steel (S235JR)	20 mm
Drilling table			
Drilling table workspace length	280 mm	Drilling table workspace width	300 mm
Drilling table T-groove type	diagonal	Drilling table T-groove size	14 mm
Drilling table rotation	360 °	Drilling table load bearing capacity	50 kg
Max. distance spindle - drilling table	515 mm		
Speed range			
Speed range	100 – 5950 min ⁻¹	Number of gears	4 Steps
Speed control	electronically adjustable		
Electrical Data			
Total rated value	1,5 kW	Supply voltage	230 V
Mains frequency	50 Hz		
Machine base			
Max. distance spindle - machine base	590 mm	Machine base workspace length	280 mm
Machine base workspace width	260 mm	Machine base T-groove size	14 mm
Machine base T-groove number	2	Machine base T-groove spacing	120 mm
Standards and certifications			
Standard	DIN EN 55011	EMV-Class	C3
Spindle			
Quill stroke	85 mm	Spindle chuck	MK 2
Reach	165 mm		

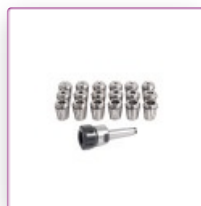
Accessories ▼



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

OPTIMUM[®]
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Tapping chuck with inserts
MK 2; M3 - M12

Article number ▼
3050702

OPTIMUM®
MASCHINEN - GERMANY



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®
MASCHINEN - GERMANY



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⁻¹

Article number ▼
3050571

OPTIMUM®
MASCHINEN - GERMANY



OPTIMUM direct quick-action drill chuck
MK 2 1 - 13 mm; up to 8000 min⁻¹

Article number ▼
3050572

OPTIMUM®
MASCHINEN - GERMANY



Clamping tool kit
SPW 12

Article number ▼
3352017

OPTIMUM®
MASCHINEN - GERMANY



T-nut
M 12/14 mm

Article number ▼
3353025

OPTIMUM®
MASCHINEN - GERMANY



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

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Twist Drill Set
25 pieces, 1 - 13 mm

Article number ▼
3201010

OPTIMUM®
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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

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Countersink set
HSS, 6 pieces

Article number ▼
3201051

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

Article number ▼
3201055

OPTIMUM®
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Thread repair assortment
M5 - M12

Article number ▼
3202010

OPTIMUM®
MASCHINEN - GERMANY



Morse taper
MK2-B16

Article number ▼
3050659

OPTIMUM®
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Extension sleeve
MK 2-MK 3

Article number ▼
3050667

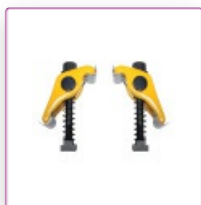
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Cone ejector
MSP1

Article number ▼
3050636

OPTIMUM®
MASCHINEN - GERMANY



Down device
Table groove 14 mm / M 12

Article number ▼
3352031

OPTIMUM®
MASCHINEN - GERMANY



Collet chuck
THERMDRILL B16 - ER32

Article number ▼
3060007

OPTIMUM®
MASCHINEN - GERMANY



Universal coolant device
230 V

Article number ▼
3351999

OPTIMUM®
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Universal machine and tool trolley
MSU 3

Article number ▼
3352990

OPTIMUM®
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Universal machine and tool trolley
MSU 4

Article number ▼
3352991

OPTIMUM®
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Machine vice
BMP 100

Article number ▼
3052610

OPTIMUM®
MASCHINEN - GERMANY



Machine vice
BMP 130

Article number ▼
3052613

OPTIMUM®
MASCHINEN - GERMANY



Machine vice
BSI 100

Article number ▼
3000210

OPTIMUM®
MASCHINEN - GERMANY



Machine vice
BSI-Q 100

Article number ▼
3000230

OPTIMUM®
MASCHINEN - GERMANY



Cooling lubricant nebulizer
MMC1

Article number ▼
3356663

OPTIMUM®
MASCHINEN - GERMANY



Coolant hoses with magnetic base
KMS 2

Article number ▼
3356660

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

