

## Bench drill

### OPTIdrill DX 13V

Table drills with infinitely variable speed control

#### Article number ▼

3020150

#### Brand ▼

Optimum

#### Catalog directory ▼

Metalworking machines » Drilling machines  
» Drilling machines with Vario drive »  
OPTIdrill DX V

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



#### Shipping informations ▼

Packaging Metrics		Weights		Delivery		Other	
Length	540 mm	Gross	68 kg	Delivery	Carrier	DualUse	✘
Width	420 mm	Net	53 kg	Content	1 pc(s).	SCIP	n/a
Height	1,040 mm					SVHC	No



## Description ▾

- Best power transmission through aluminum pulleys
- Digital speed indicator integrated in the housing, speed control by potentiometer
- Emergency stop impact switch
- Drill spindle with precision ball bearings
- High quality OPTIMUM keyless chuck as standard
- Guaranteed concentricity accuracy less than 0.03 mm measured at the drilling spindle
- Height-adjustable feed guard with microswitch
- Dirt and water resistant membrane keypad, easy to clean
- Precision machined drill table with parallel T-slots
- Thick-walled cast-iron column for high power absorption and stability
- Massive base plate, large dimensions, strongly ribbed on the back
- EMC filter class C2

## DX 13V

- Height adjustable drill head

## Delivery content ▾

- Keyless chuck (1 - 13 mm)

## Media informations ▾



- Height-adjustable chuck guard with microswitch
- High-quality OPTIMUM quick-action drill chuck as standard



- High-contrast, digital LED speed display integrated in housing
- Speed control by means of potentiometer



- Precisely machined drilling table with parallel T-slots



- Solid base plate, large dimensioned, heavily ribbed on the back side

### Technical data

Dimensions and weights			
Column diameter	60 mm	Length (product) approx.	517 mm
Width/depth (product) approx.	325 mm	Height (product) approx.	895 mm
Net weight approx.	51 kg		
Drilling performance			
Drilling performance steel (S235JR)	13 mm	Continuous drilling performance steel (S235JR)	11 mm
Speed range			
Speed range	100 – 3000 min <sup>-1</sup>	Speed control	electronically adjustable

Electrical Data			
Supply voltage	230 V	Mains frequency	50 Hz
Machine base			
Min. distance chuck - machine base	92 mm	Max. distance chuck - machine base	297 mm
Machine base workspace length	280 mm	Machine base workspace width	290 mm
Machine base T-groove size	14 mm	Machine base T-groove number	2
Machine base T-groove spacing	100 mm		
Standards and certifications			
Standard	DIN EN 55011	EMV-Class	C2
Spindle			
Quill stroke	60 mm	Spindle chuck	B 16
Reach	235 mm		
Motor(s)			
Spindle motor drive output	0.85 kW		

## Accessories ▼



### Tapping attachment

**M5 - M12 / B16**

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

**Article number ▼**

3352042

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### Collet chuck

**THERMDRILL B16 - ER32**

**Article number ▼**

3060007

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### Precision quick-action drill chuck

**1-10 mm, B16**

**Article number ▼**

3050610

**OPTIMUM®**  
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**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



**Clamping tool kit**  
**SPW 12**

**Article number** ▼  
3352017

**OPTIMUM®**  
MASCHINEN - GERMANY



**T-nut**  
**M 8/10 mm**

**Article number** ▼  
3353020

**OPTIMUM®**  
MASCHINEN - GERMANY



**T-nut**  
**M 12/14 mm**

**Article number** ▼  
3353025

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

**Article number** ▼  
3353024

**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®**  
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**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

**OPTIMUM®**  
MASCHINEN - GERMANY



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

Article number ▼  
3352031

**OPTIMUM®**  
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**Universal base**  
MSM 1 340 x 420 x 800 mm

Article number ▼  
3353000

**OPTIMUM®**  
MASCHINEN - GERMANY



**Chip tray**  
720 x 470 x 30 mm

Article number ▼  
3352999

**OPTIMUM®**  
MASCHINEN - GERMANY



**Universal machine and tool trolley**  
MSU 3

Article number ▼  
3352990

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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®**  
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**Machine vice**  
**BMP 130**

**Article number** ▼  
3052613

**OPTIMUM®**  
MASCHINEN - GERMANY



**Machine vice**  
**BSI 100**

**Article number** ▼  
3000210

**OPTIMUM®**  
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**Machine vice**  
**BSI-Q 100**

**Article number** ▼  
3000230

**OPTIMUM®**  
MASCHINEN - GERMANY



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

**Article number** ▼  
3051002

**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





**T-nut**  
M 10/12 mm

Article number ▼  
3353022

**OPTIMUM®**  
MASCHINEN - GERMANY



**Clamping tool kit**  
SPW 8

Article number ▼  
3352015

**OPTIMUM®**  
MASCHINEN - GERMANY



**Tapping chuck with inserts**  
MK 2; M3 - M12

Article number ▼  
3050702

**OPTIMUM®**  
MASCHINEN - GERMANY



**Basic equipment**  
THERMDRILL Basic Kit

Article number ▼  
3060004

**OPTIMUM®**  
MASCHINEN - GERMANY



**Universal coolant device**  
230 V

Article number ▼  
3351999

**OPTIMUM®**  
MASCHINEN - GERMANY



**Cooling lubricant nebulizer**  
MMC1

Article number ▼  
3356663

**OPTIMUM®**  
MASCHINEN - GERMANY



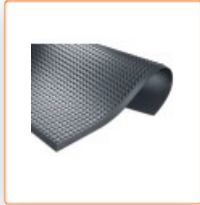
**Coolant hoses with magnetic base**  
KMS 2

Article number ▼  
3356660

**OPTIMUM®**  
MASCHINEN - GERMANY



**Workplace mat**  
**1840 x 640 mm**  
For the dry and wet area  
**Article number** ▼  
6800000



**Workplace mat**  
**1840 x 940 mm**  
For the dry and wet area  
**Article number** ▼  
6800005



**Workplace mat**  
**3040 x 940 mm**  
For the dry and wet area  
**Article number** ▼  
6800006



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

