

## Bench drill

### OPTIdrill DX 17V

**OPTIMUM**  
MASCHINEN - GERMANY

Bench drill with infinitely variable speed control. Highlight of the machine - the menu-driven operation of the working modes drilling / tapping.

#### Article number ▼

3020170

#### Brand ▼

Optimum

#### Availability ▼

In stock  
Immediate delivery

#### Catalog directory ▼

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

#### Purchase ▼

Minimum 1 pc(s).




#### Delivery content ▼

- Keyless chuck 1 - 13 mm

#### Shipping informations ▼

Packaging Metrics		Weights		Delivery		Other	
Length	540 mm	Gross	87 kg	Delivery	Carrier	DualUse	✘
Width	420 mm	Net	72 kg	Content	1 pc(s).	SCIP	n/a
Height	1,040 mm					SVHC	No

#### Root data ▼

Country of origin	EAN	Custom number	Quantity unit
 China	4030635035982	84592900	pc(s).

#### Video ▼

[www.youtube.com/watch?v=wIHaM2G9ecc](https://www.youtube.com/watch?v=wIHaM2G9ecc)



## Description ▼

- Best power transmission through aluminum pulleys
- Emergency stop impact switch
- Drill spindle with precision ball bearings
- Guaranteed concentricity accuracy less than 0.03 mm measured at the drilling spindle
- Dirt and water resistant, easy to clean membrane keyboard with high-contrast OLED display
- Glare-free LED lighting integrated on the left and right in the drill head. No disturbing shadows
- Threading mode
- Language selection in the display field optionally DE-EN-FR-RU
- Digital reference point
- Digital parts counter
- Acoustic signal when reaching the drilling depth
- Reduced speed in tapping mode
- Height-adjustable feed guard with microswitch for maximum protection
- Precision machined drill table with parallel T-slots, precision surface finish
- Turnable drill table
- Solid base plate with parallel T-slots

## Equipment:

When drilling and tapping, the machine automatically sets the optimal speed for the tool, after specifying the diameter and material.

## Patent pending DE 10 2015 006 876 A1

- Siemens SINAMICS V20 inverter

## Media informations ▼

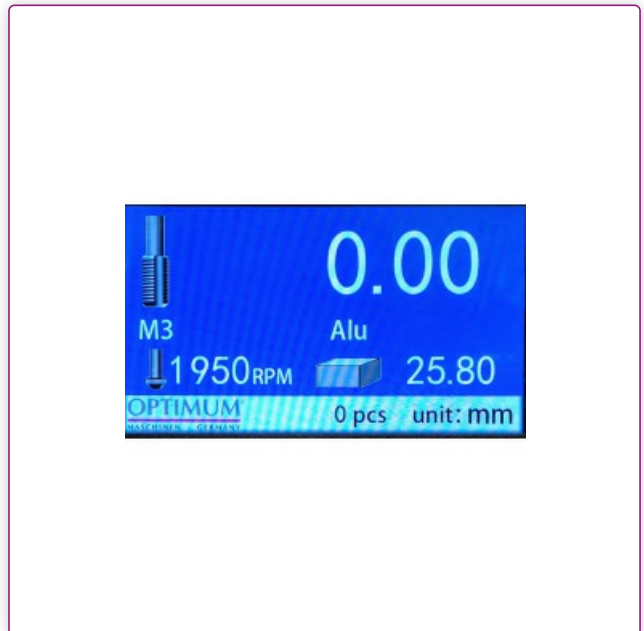


Fig.: DX 17V with optional chassis



**SINAMICS V20**

- Energy-efficient and robust solutions with the SINAMICS V20 frequency inverter



**Control panel DX 17V**

- The control panel contains preset, generally valid speeds depending on the tool, the tool size and the material of the workpiece.

**OLED display**

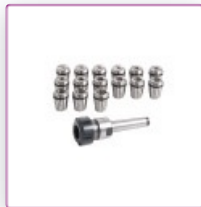
1. Selected tool and tool size
2. Speed display
3. Current drilling depth and thread depth
4. Material selection
5. Set drilling or thread depth as nominal value
6. Parts counter
7. Set unit



## Technical data ▼

Dimensions and weights			
Column diameter	60 mm	Length (product) approx.	425 mm
Width/depth (product) approx.	481 mm	Height (product) approx.	910 mm
Net weight approx.	73 kg		
Drilling performance			
Drilling performance steel (S235JR)	16 mm	Continuous drilling performance steel (S235JR)	13 mm
Thread tapping steel (S235JR)	M8		
Drilling table			
Drilling table workspace length	290 mm	Drilling table workspace width	290 mm
Drilling table T-groove size	10 mm	Drilling table T-groove number	2
Drilling table T-groove spacing	100 mm	Min. distance chuck - drilling table	98 mm
Max. distance chuck - drilling table	315 mm		
Speed range			
Speed range	50 – 4000 min <sup>-1</sup>	Speed control	electronically adjustable
Electrical Data			
Drive motor output	1,0 kW	Supply voltage	230 V
Mains frequency	50 Hz		
Machine base			
Min. distance chuck - machine base	0 mm	Max. distance chuck - machine base	385 mm
Machine base workspace length	290 mm	Machine base workspace width	280 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	MK 2
Reach	235 mm		

## Accessories ▼



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

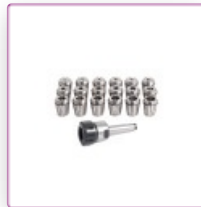
**OPTIMUM**<sup>®</sup>  
MASCHINEN - GERMANY

**Article number** ▼  
3352052

**Availability** ▼  
In stock  
Immediate delivery

**Purchase** ▼  
Minimum 1 pc(s).

**Price informations** ▼



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

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

**Article number** ▼  
3352053

**Availability** ▼  
In stock  
Immediate delivery

**Purchase** ▼  
Minimum 1 pc(s).

**Price informations** ▼



### Tapping attachment M5 - M12 / B16

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

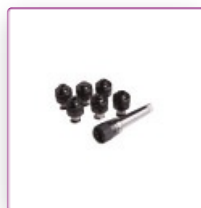
Built-in fast reverse, immediately effective when changing the feed direction

**Article number** ▼  
3352042

**Availability** ▼  
In stock  
Immediate delivery

**Purchase** ▼  
Minimum 1 pc(s).

**Price informations** ▼



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

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

**Article number** ▼  
3050702

**Availability** ▼  
In stock  
Immediate delivery

**Purchase** ▼  
Minimum 1 pc(s).

**Price informations** ▼



### Tapping chuck small THERMDRILL M3-M12

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

**Article number** ▼  
3050715

**Availability** ▼  
In stock  
Immediate delivery

**Purchase** ▼  
Minimum 1 pc(s).

**Price informations** ▼



### Tapping chuck big THERMDRILL M8-M20

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

**Article number** ▼  
3050716

**Availability** ▼  
In stock  
Immediate delivery

**Purchase** ▼  
Minimum 1 pc(s).

**Price informations** ▼



### Precision quick-action drill chuck 1 - 8 mm, B16

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

**Article number** ▼  
3050608

**Availability** ▼  
No stock available  
Information:  
Next availability  
Unknown

**Purchase** ▼  
Minimum 10 pc(s).

**Price informations** ▼  
Revoked article



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

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

**Article number** ▼  
3050610

**Availability** ▼  
In stock  
Immediate delivery

**Purchase** ▼  
Minimum 10 pc(s).

**Price informations** ▼



### Keyless drill chuck DKC13 0-13 mm

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

**Article number** ▼  
3050632

**Availability** ▼  
In stock  
Immediate delivery

**Purchase** ▼  
Minimum 1 pc(s).

**Price informations** ▼



### Keyless drill chuck DKC16 0-16 mm

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

**Article number** ▼  
3050633

**Availability** ▼  
In stock  
Immediate delivery

**Purchase** ▼  
Minimum 1 pc(s).

**Price informations** ▼



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

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

**Article number** ▼  
3050571

**Availability** ▼  
In stock  
Immediate delivery

**Purchase** ▼  
Minimum 20 pc(s).

**Price informations** ▼



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

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

**Article number** ▼  
3050572

**Availability** ▼  
In stock  
Immediate delivery

**Purchase** ▼  
Minimum 10 pc(s).

**Price informations** ▼



### Clamping tool kit SPW 8

**OPTIMUM®**  
MASCHINEN - GERMANY

**Article number** ▼  
3352015

**Availability** ▼  
In stock  
Immediate delivery

**Purchase** ▼  
Minimum 1 pc(s).

**Price informations** ▼



### Clamping tool kit SPW 12

**OPTIMUM®**  
MASCHINEN - GERMANY

**Article number** ▼  
3352017

**Availability** ▼  
In stock  
Immediate delivery

**Purchase** ▼  
Minimum 1 pc(s).

**Price informations** ▼  
Revoked article



### T-nut M 12/14 mm

**OPTIMUM®**  
MASCHINEN - GERMANY

**Article number** ▼  
3353025

**Availability** ▼  
In stock  
Immediate delivery

**Purchase** ▼  
Minimum 1 pc(s).

**Price informations** ▼



### T-nut M 12 / 15.7 mm

**OPTIMUM®**  
MASCHINEN - GERMANY

**Article number** ▼  
3353024

**Availability** ▼  
In stock  
Immediate delivery

**Purchase** ▼  
Minimum 1 pc(s).

**Price informations** ▼



### Twist drill HSS with Morse taper MT 2

**OPTIMUM®**  
MASCHINEN - GERMANY

**Article number** ▼  
3051002

**Availability** ▼  
In stock  
Immediate delivery

**Purchase** ▼  
Minimum 1 pc(s).

**Price informations** ▼



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

**OPTIMUM®**  
MASCHINEN - GERMANY

**Article number** ▼  
3201010

**Availability** ▼  
In stock  
Immediate delivery

**Purchase** ▼  
Minimum 12 pc(s).

**Price informations** ▼



### Twist Drill Set 51 pieces, 1 - 6 mm (0.1 mm rising)

**OPTIMUM®**  
MASCHINEN - GERMANY

**Article number** ▼  
3201020

**Availability** ▼  
Blocked article

**Purchase** ▼  
Minimum 12 pc(s).

**Price informations** ▼  
Revoked article



### Twist Drill Set

41-piece, 6 - 10 mm (0.1 mm rising)

Article number ▼  
3201021

Availability ▼  
In stock  
Immediate delivery

Purchase ▼  
Minimum 6 pc(s).

Price informations ▼  
Revoked article

**OPTIMUM®**  
MASCHINEN - GERMANY



### Countersink set

6 pieces: 6/8/10 / 11.5 / 15/19 mm

Article number ▼  
3201050

Availability ▼  
In stock  
Immediate delivery

Purchase ▼  
Minimum 6 pc(s).

Price informations ▼

**OPTIMUM®**  
MASCHINEN - GERMANY



### Countersink set

HSS, 6 pieces

Article number ▼  
3201051

Availability ▼  
In stock  
Immediate delivery

Purchase ▼  
Minimum 6 pc(s).

Price informations ▼

**OPTIMUM®**  
MASCHINEN - GERMANY



### Sheet metal cone drill set

HSS, 3-part, 3 - 30.5 mm

Article number ▼  
3201055

Availability ▼  
In stock  
Immediate delivery

Purchase ▼  
Minimum 6 pc(s).

Price informations ▼

**OPTIMUM®**  
MASCHINEN - GERMANY



### Stepped twist drill bit

HSS, 3-part, 4-30 mm

Article number ▼  
3201056

Availability ▼  
Blocked article

Purchase ▼  
Minimum 6 pc(s).

Price informations ▼  
Revoked article

**OPTIMUM®**  
MASCHINEN - GERMANY



### Thread repair assortment

M5 - M12

Article number ▼  
3202010

Availability ▼  
In stock  
Immediate delivery

Purchase ▼  
Minimum 5 pc(s).

Price informations ▼

**OPTIMUM®**  
MASCHINEN - GERMANY



### Morse taper

MK2-B16

Article number ▼  
3050659

Availability ▼  
In stock  
Immediate delivery

Purchase ▼  
Minimum 1 pc(s).

Price informations ▼

**OPTIMUM®**  
MASCHINEN - GERMANY





### Extension sleeve MK 2-MK 3

Article number ▼  
3050667

Availability ▼  
In stock  
Immediate delivery

Purchase ▼  
Minimum 1 pc(s).

Price informations ▼

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



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

Article number ▼  
3352031

Availability ▼  
In stock  
Immediate delivery

Purchase ▼  
Minimum 1 pc(s).

Price informations ▼

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



### Collet chuck THERMDRILL B16 - ER32

Article number ▼  
3060007

Availability ▼  
In stock  
Immediate delivery

Purchase ▼  
Minimum 1 pc(s).

Price informations ▼

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



### Universal base MSM 1 340 x 420 x 800 mm

Article number ▼  
3353000

Availability ▼  
In stock  
Immediate delivery

Purchase ▼  
Minimum 1 pc(s).

Price informations ▼

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



### Chip tray 720 x 470 x 30 mm

Article number ▼  
3352999

Availability ▼  
In stock  
Immediate delivery

Purchase ▼  
Minimum 1 pc(s).

Price informations ▼

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



### Universal machine and tool trolley MSU 3

Article number ▼  
3352990

Availability ▼  
In stock  
Immediate delivery

Purchase ▼  
Minimum 1 pc(s).

Price informations ▼

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



### Universal machine and tool trolley MSU 4

Article number ▼  
3352991

Availability ▼  
In stock  
Immediate delivery

Purchase ▼  
Minimum 1 pc(s).

Price informations ▼

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



### Machine vice BMP 100

Article number ▼  
3052610

Availability ▼  
In stock  
Immediate delivery

Purchase ▼  
Minimum 1 pc(s).

Price informations ▼

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



### Machine vice BMP 130

Article number ▼  
3052613

Availability ▼  
In stock  
Immediate delivery

Purchase ▼  
Minimum 1 pc(s).

Price informations ▼

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



### Machine vice BSI 100

Article number ▼  
3000210

Availability ▼  
In stock  
Immediate delivery

Purchase ▼  
Minimum 1 pc(s).

Price informations ▼

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



### Machine vice BSI-Q 100

Article number ▼  
3000230

Availability ▼  
In stock  
Immediate delivery

Purchase ▼  
Minimum 1 pc(s).

Price informations ▼

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



### T-nut M 8/10 mm

Article number ▼  
3353020

Availability ▼  
In stock  
Immediate delivery

Purchase ▼  
Minimum 1 pc(s).

Price informations ▼

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



### Universal coolant device 230 V

Article number ▼  
3351999

Availability ▼  
No stock available  
Information:  
Next availability  
Expected on  
calendar week  
41/2023

Purchase ▼  
Minimum 1 pc(s).

Price informations ▼

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



### Cooling lubricant nebulizer MMC1

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

**Article number** ▼  
3356663

**Availability** ▼  
In stock  
Immediate delivery

**Purchase** ▼  
Minimum 1 pc(s).

**Price informations** ▼



### Coolant hoses with magnetic base KMS 2

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

**Article number** ▼  
3356660

**Availability** ▼  
In stock  
Immediate delivery

**Purchase** ▼  
Minimum 1 pc(s).

**Price informations** ▼



### Workplace mat 1840 x 640 mm For the dry and wet area

**unicraft<sup>®</sup>**  
Werkstatttechnik

**Article number** ▼  
6800000

**Availability** ▼  
In stock  
Immediate delivery

**Purchase** ▼  
Minimum 1 pc(s).

**Price informations** ▼



### Workplace mat 1840 x 940 mm For the dry and wet area

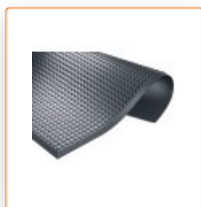
**unicraft<sup>®</sup>**  
Werkstatttechnik

**Article number** ▼  
6800005

**Availability** ▼  
In stock  
Immediate delivery

**Purchase** ▼  
Minimum 1 pc(s).

**Price informations** ▼



### Workplace mat 3040 x 940 mm For the dry and wet area

**unicraft<sup>®</sup>**  
Werkstatttechnik

**Article number** ▼  
6800006

**Availability** ▼  
In stock  
Immediate delivery

**Purchase** ▼  
Minimum 1 pc(s).

**Price informations** ▼



### Workplace mat 3040 x 640 mm For the dry and wet area

**unicraft<sup>®</sup>**  
Werkstatttechnik

**Article number** ▼  
6800001

**Availability** ▼  
In stock  
Immediate delivery

**Purchase** ▼  
Minimum 1 pc(s).

**Price informations** ▼

Prices on this data sheet are recommended retail prices, subject to change, in €, plus VAT at the statutory rate, plus packaging, shipping, transport, unloading, assembly and, if applicable, instruction costs. Sales prices of the dealers can deviate. No liability is accepted for printing errors, mistakes or incorrect presentation. Technical and optical changes are reserved. Illustration partly with optional accessories.

