

Bench drill

OPTIdrill D 23Pro (400 V)

with V-belt drive

Article number ▼

3003020

Brand ▼

Optimum

Catalog directory ▼

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

OPTIMUM[®]
 MASCHINEN - GERMANY



Shipping informations ▼

Packaging Metrics		Weights		Delivery		Other	
Length	865 mm	Gross	67 kg	Delivery	Carrier	DualUse	✘
Width	530 mm	Net	63 kg	Content	5 pc(s).	SCIP	n/a
Height	325 mm					SVHC	No



Description ▼

- Industrial engine
- Easy to use safety switch according to IP 54
- Digital drilling depth and speed indicator integrated in the housing
- Separate emergency stop impact switch
- Precision Spindle bore
- Safety electronics in 24 V DC
- Guaranteed concentricity measured less than 0.02 mm in the drill quill
- Drill spindle with precision ball bearings
- High quality keyless chuck
- Depth stop
- Precision machined, stable drill table with diagonal T-slots and circumferential cooling water channel
- V-belt cover with safety switch
- One piece cast aluminum die-cast quill lever with softgrip handles
- Large, height-adjustable protective screen with safety switch
- Heavy version of the entire machine

From D 23 Pro

- GATES quality strap

From D 23 Pro / 400 V

- Forward / reverse operation

D 33Pro

- Massive, large base plate with T-slots, strongly ribbed on the back

Delivery content ▼

- Keyless chuck 1 - 16 mm
- Morse cone MK 2 / B16
- T-nuts

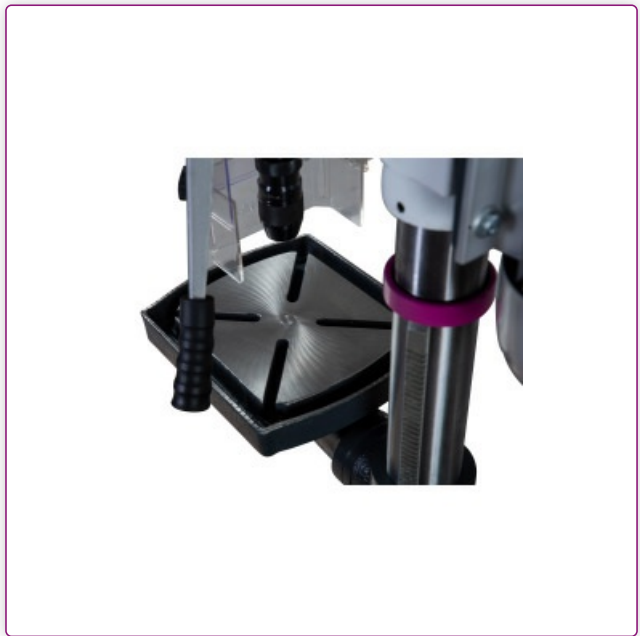
Media informations ▼



- High smoothness thanks to ground multi-tooth contact
- Best power transmission by aluminium pulleys in combination with toothed GATES quality wedge belts (from OPTIdrill D 23PRO)



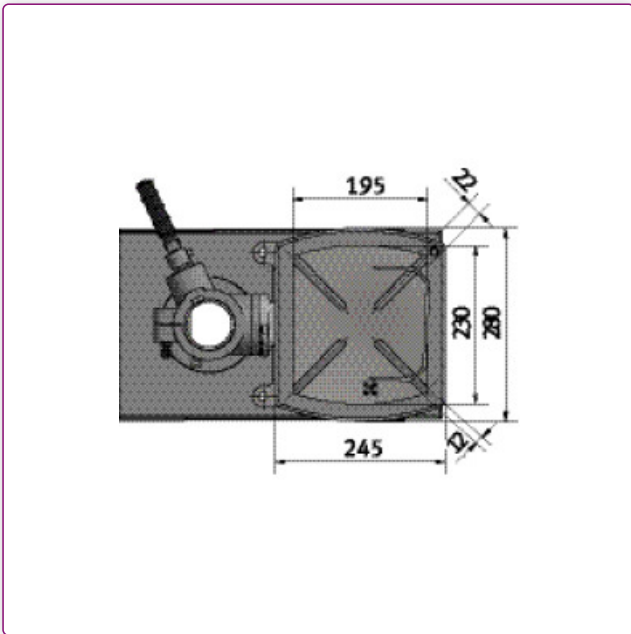
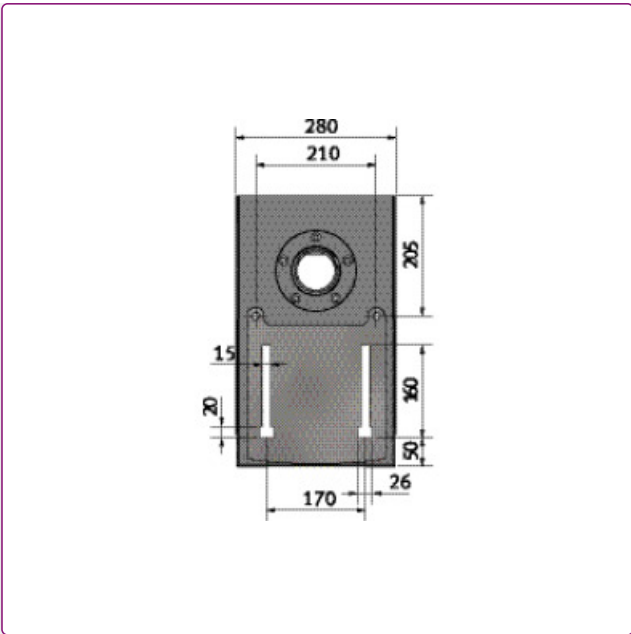
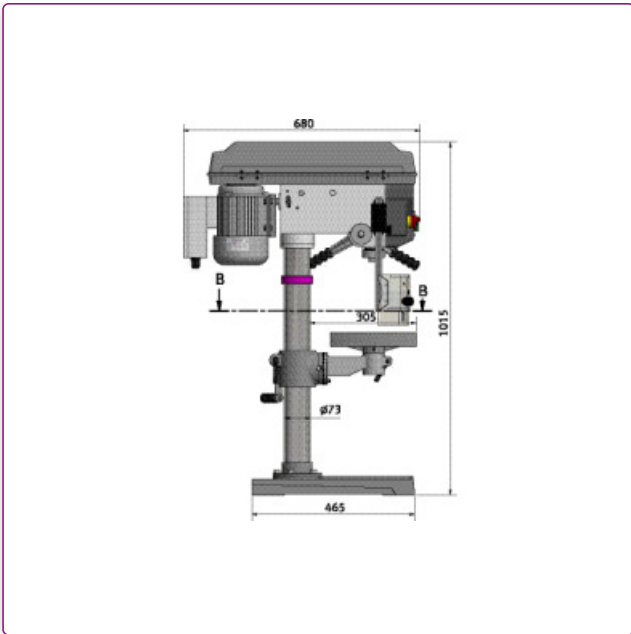
- Digital drilling depth and speed display integrated in housing
- Unit convertible metric / inch



- Precisely machined, stable drilling table with diagonally running T-slots and circumferential cooling water channel
- Laterally tiltable ± 45
- Rotatable 360



- Industrial motor

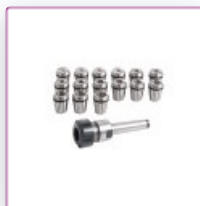


Technical data ▼

Dimensions and weights			
Column diameter	73 mm	Length (product) approx.	615 mm
Width/depth (product) approx.	330 mm	Height (product) approx.	1015 mm
Net weight approx.	63.5 kg		
Drilling performance			
Drilling performance steel (S235JR)	25 mm	Continuous drilling performance steel (S235JR)	20 mm
Drilling table			
Drilling table workspace length	280 mm	Drilling table workspace width	245 mm
Drilling table T-groove size	12 mm	Drilling table rotation	360 °
Drilling table angle	45 °	Max. distance spindle - drilling table	425 mm
Speed range			
Speed range	200 – 2440 min ⁻¹	Number of gears	12
Electrical Data			
Drive motor output	0,75 kW	Supply voltage	400 V

Mains frequency	50 Hz		
Machine base			
Max. distance spindle - machine base	618 mm	Machine base workspace length	240 mm
Machine base workspace width	250 mm	Machine base T-groove size	16 mm
Machine base T-groove number	2	Machine base T-groove spacing	170 mm
Spindle			
Quill stroke	80 mm	Spindle chuck	MK2
Reach	180 mm		

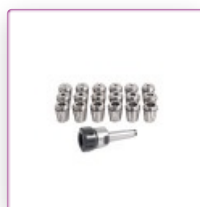
Accessories ▼



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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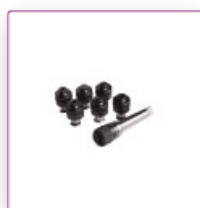


Tapping attachment M5 - M12 / B16

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

Article number ▼
3352042

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

Article number ▼
3050572

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Clamping tool kit
SPW 10

Article number ▼
3352016

OPTIMUM[®]
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T-nut
M 10/12 mm

Article number ▼
3353022

OPTIMUM[®]
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Twist drill HSS with Morse taper
MT 2

Article number ▼
3051002

OPTIMUM[®]
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Twist Drill Set
25 pieces, 1 - 13 mm

Article number ▼
3201010

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

Article number ▼
3201021

OPTIMUM®
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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®
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Morse taper
MK2-B16

Article number ▼
3050659

OPTIMUM[®]
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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[®]
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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
BMP 100

Article number ▼
3052610

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

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Werkstatttechnik



Workplace mat

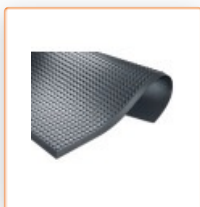
1840 x 940 mm

For the dry and wet area

Article number ▼

6800005

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Werkstatttechnik



Workplace mat

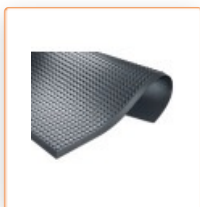
3040 x 940 mm

For the dry and wet area

Article number ▼

6800006

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Werkstatttechnik



Workplace mat

3040 x 640 mm

For the dry and wet area

Article number ▼

6800001

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Werkstatttechnik