

Технически характеристики

OPTi drill [®] B 40GSP / B 40GSM

Heavy-duty gearbox drilling machine with thread tapping device

Facts that impress in terms of quality, performance and price

- ► Heavy, solid cast design
- Automatic gearwheel lubrication via oil pump
- Excellent concentricity thanks to hardened and polished main spindle
- ▶ Thread tapping device.
- Main switch and motor circuit breaker
- ► Adjustable drilling depth stop with millimetre scale
- ► Machine lamp integrated in drilling head
- Precision, generously dimensioned drilling table, solid workmanship, with diagonal T-slots and recirculating coolant duct, reinforcing ribs on rear
- ▶ Integrated push-out tool for easy tool changes
- Coolant system and chip filter in line with Machinery Directive
- ▶ Thick walled cast column for high force absorption and stability
- ▶ Solid baseplate, large dimensions, extremely stable

OPTIdrill B 40 GSM

► Electrical spindle sleeve feed

OPTIdrill B 40GSP

► Manual spindle sleeve feed



B 40GSM - electrical

For deep drilling or blind hole drilling, the clutch on the automatic spindle sleeve feed can be released or engaged at any time by pressing the button on the feed handle



B 40GSP - manual



Fig.: B 40GSP



Control Cabinet



- > Clear-cut layout
- > Generously dimensioned
- > Certified switches by ABB
- > 24V AC
- Certified components by Siemens or Schneider



Технически характеристики

Technical specifications, accessories and dimensions

Electrical connection Total rated value Coolant pump motor Drilling performance Drilling performance in steel (\$235JR) Cont. drilling performance in steel (\$235JR) Thread tapping steel (\$235JR) Spindle seat Spindle sleeve stroke Spindle sleeve feed Spindle speeds Spindle speeds Drilling table Workspace drilling table length x width T-slot size Rotating drilling table Drilling table load bearing capacity Machine base Machine base Dimensions Column diameter Length x width x height Drilling tande 0.85 / 1.5 kW 0.85 / 1.5	Model	B 40GSP	
Article no. Technical specifications Electrical connection Total rated value Coolant pump motor Drilling performance Drilling performance in steel (\$235JR) Spindle seat Spindle sleeve feed Spindle speeds Spindle speeds Spindle speeds Drilling table Workspace drilling table length x width T-slot size Rotating drilling table Clearance spindle - drilling table Drilling table load bearing capacity Machine base Machine base Dimensions Column diameter Length x width x height A00 V / 3 Ph ~50 Hz A00 V	Article no.	3034403	
Article no. Technical specifications Electrical connection Total rated value Coolant pump motor Drilling performance Drilling performance in steel (\$235JR) Spindle seat Spindle sleeve feed Spindle speeds Spindle speeds Spindle speeds Drilling table Workspace drilling table length x width T-slot size Rotating drilling table Clearance spindle - drilling table Drilling table load bearing capacity Machine base Machine base Dimensions Column diameter Length x width x height A00 V / 3 Ph ~50 Hz A00 V			
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Electrical connection Total rated value Coolant pump motor Drilling performance Drilling performance in steel (\$235JR) Cont. drilling performance in steel (\$235JR) Thread tapping steel (\$235JR) Spindle seat Spindle sleeve stroke Spindle sleeve feed Spindle speeds Spindle speeds Drilling table Workspace drilling table length x width T-slot size Rotating drilling table Drilling table load bearing capacity Machine base Machine base Dimensions Column diameter Length x width x height Drilling tande 0.85 / 1.5 kW 0.85 / 1.5	Article no.	3034400	
Total rated value Coolant pump motor Drilling performance Drilling performance in steel (\$235JR) Cont. drilling performance in steel (\$235JR) Thread tapping steel (\$235JR) Spindle seat Spindle sleeve stroke Spindle sleeve feed Spindle sleeve feed Spindle speeds Spindle speeds Spindle speeds Spindle speeds Drilling table Workspace drilling table length x width T-slot size Rotating drilling table Drilling table load bearing capacity Machine base Machine base Machine base Dimensions Column diameter Length x width x height Drilling table work area L x W Drib mm Dri	Technical specifications		
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Spindle sleeve stroke Spindle seat MT 4 Throat Spindle sleeve feed Spindle sleeve feed Spindle sleeve feed Spindle sleeve feed Speeds Spindle speeds	Thread tapping steel (S235JR)	M24	
Spindle seat MT 4 Throat 350 mm Spindle sleeve feed 2 speeds, 0.1/0.2 mm/rev Speeds Spindle speeds 50 - 1 450 rpm Number of speeds 18 speeds Drilling table Workspace drilling table length x width 7-slot size 18 mm, diagonal 290° Clearance spindle - drilling table max. 780 mm Drilling table load bearing capacity 250 kg Machine base Machine base work area L x W 510 x 500 mm T-Slot size / no / distance 18 mm / 2 / 150 mm Clearance spindle - machine base max. 1 320 mm Dimensions Column diameter Ø 150 mm Length x width x height 935 x 530 x 2 280 mm	Spindle seat		
Throat 350 mm Spindle sleeve feed 2 speeds, 0.1/0.2 mm/rev Speeds Spindle speeds 50 - 1 450 rpm Number of speeds 18 speeds Drilling table Workspace drilling table length x width 560 x 560 mm T-slot size 18 mm, diagonal ± 90° Clearance spindle - drilling table max. 780 mm Drilling table load bearing capacity 250 kg Machine base Machine base work area L x W 510 x 500 mm T-Slot size / no / distance 18 mm / 2 / 150 mm Clearance spindle - machine base max. 1 320 mm Dimensions Column diameter Ø 150 mm Length x width x height 935 x 530 x 2 280 mm	Spindle sleeve stroke	180 mm	
Spindle sleeve feed Speeds Spindle speeds 18 speeds Drilling table Workspace drilling table length x width T-slot size Rotating drilling table Clearance spindle - drilling table Drilling table load bearing capacity Machine base Machine base Machine base work area L x W T-Slot size / no / distance Clearance spindle - machine base Machine base Machine base Machine base work area L x W S10 x 500 mm T-Slot size / no / distance Clearance spindle - machine base Machine base Machine base Machine base work area L x W S10 x 500 mm T-Slot size / no / distance Clearance spindle - machine base Max. 1 320 mm Dimensions Column diameter Length x width x height 935 x 530 x 2 280 mm	Spindle seat	MT 4	
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T-slot size 18 mm, diagonal Rotating drilling table ±90° Clearance spindle - drilling table max. 780 mm Drilling table load bearing capacity 250 kg Machine base Machine base work area L x W 510 x 500 mm T-Slot size / no / distance 18 mm / 2 / 150 mm Clearance spindle - machine base max. 1 320 mm Dimensions Column diameter Ø 150 mm Length x width x height 935 x 530 x 2 280 mm	Drilling table		
Rotating drilling table Clearance spindle - drilling table max. 780 mm Drilling table load bearing capacity Machine base Machine base work area L x W T-Slot size / no / distance Clearance spindle - machine base max. 1 320 mm Dimensions Column diameter Length x width x height \$\frac{\pmax}{2}0^{\circ}\$ \text{ mm}}{\frac{\pmax}{2}} \text{ 280 mm}	Workspace drilling table length x width	560 x 560 mm	
Clearance spindle - drilling table max. 780 mm Drilling table load bearing capacity 250 kg Machine base Machine base work area L x W 510 x 500 mm T-Slot size / no / distance 18 mm / 2 / 150 mm Clearance spindle - machine base max. 1 320 mm Dimensions Column diameter Ø 150 mm Length x width x height 935 x 530 x 2 280 mm	T-slot size	18 mm, diagonal	
Drilling table load bearing capacity Machine base Machine base work area L x W T-Slot size / no / distance Clearance spindle - machine base Dimensions Column diameter Length x width x height Divides the state of the st	Rotating drilling table	± 90°	
Machine baseMachine base work area L x W510 x 500 mmT-Slot size / no / distance18 mm / 2 / 150 mmClearance spindle - machine basemax. 1 320 mmDimensionsØ 150 mmColumn diameterØ 150 mmLength x width x height935 x 530 x 2 280 mm	Clearance spindle - drilling table	max. 780 mm	
Machine base work area L x W 510 x 500 mm T-Slot size / no / distance 18 mm / 2 / 150 mm Clearance spindle - machine base max. 1 320 mm Dimensions Column diameter Ø 150 mm Length x width x height 935 x 530 x 2 280 mm	Drilling table load bearing capacity	250 kg	
T-Slot size / no / distance 18 mm / 2 / 150 mm Clearance spindle - machine base max. 1 320 mm Dimensions Column diameter Ø 150 mm Length x width x height 935 x 530 x 2 280 mm	Machine base		
Clearance spindle - machine base max. 1 320 mm Dimensions Column diameter Ø 150 mm Length x width x height 935 x 530 x 2 280 mm	Machine base work area L x W	510 x 500 mm	
Dimensions Column diameter Ø 150 mm Length x width x height 935 x 530 x 2 280 mm	T-Slot size / no / distance	18 mm / 2 / 150 mm	
Column diameter Ø 150 mm Length x width x height 935 x 530 x 2 280 mm	Clearance spindle - machine base	max. 1 320 mm	
Length x width x height 935 x 530 x 2 280 mm	Dimensions		
	Column diameter	Ø 150 mm	
Overall weight 465 kg 500 kg	Length x width x height	935 x 530 x 2 280 mm	
	Overall weight	465 kg 500 kg	

Scope of supply

- > Quick-action drill chuck 1 16 mm
- > Morse taper MT 4/B16

Accessories	Article no.
Assortment of clamping tools size 16, 58-parts	3352019
Blank holder 14 mm/M12	3352031
Quick release chuck direct MT 4 / 1 - 16 mm	3050574
Twist drill bits HSS-CO 5%, 25 parts	3201010
Twist drill bits HSS-CO 5%, 51 parts	3201020
Twist drill bits HSS-CO 5%, 41 parts	3201021
Reduction sleeve MT 4 - MT 3	3050664
> More "Accessories for drills" from page 64	
Twist drill bits HSS-CO 5%, 51 parts Twist drill bits HSS-CO 5%, 41 parts Reduction sleeve MT 4 - MT 3	3201020 3201021

Machine vices	Article no.	
BSI 100	3000210	
BSI 140	3000214	
BSI-Q 100	3000230	
BSI-Q 140	3000234	
> Information on the vises on page 71		

