

Complete und CNC add-on kit for milling suitable for OPTI BF30 VARIO



Z-axis

Torque
11.6 Nm
on the spindle Z-axis

Travel speed*

- max. 14 mm/sec. with trapezoidal spindle
- max. 18 mm/sec. with recirculating ball screw⁺



Y-axis

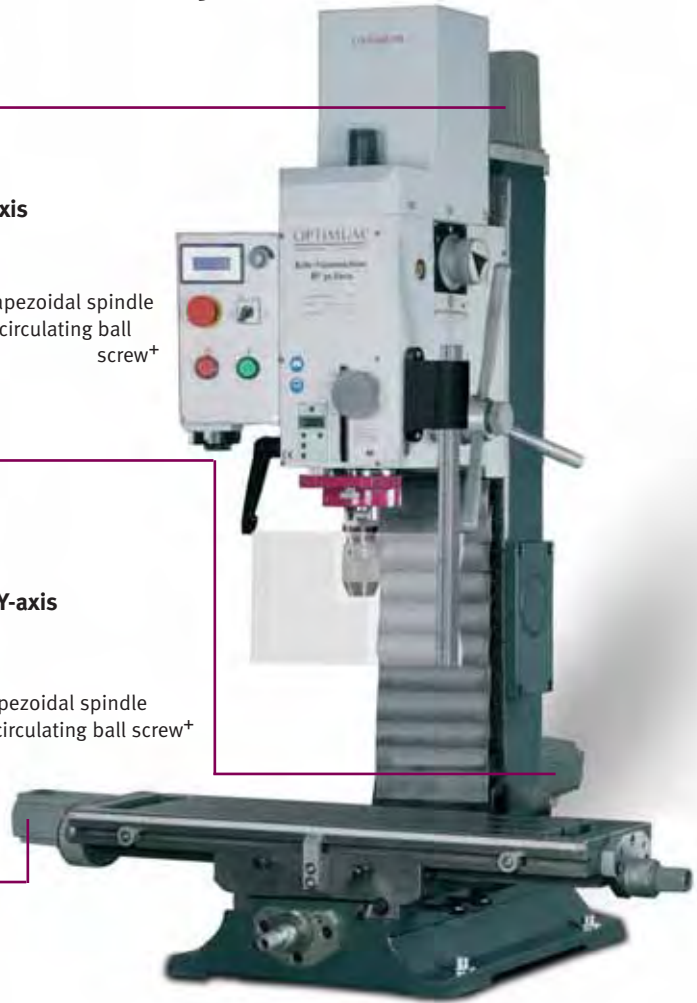
Torque
11.6 Nm
on the spindle X- and Y-axis

Travel speed*

- max. 16 mm/sec. with trapezoidal spindle
- max. 20 mm/sec. with recirculating ball screw⁺



X-axis



*The indicated speeds demonstrate a nominal value, which had been determined by the current Opti BF30 Vario. These values may deviate upward or downward depending on the used software system and the operating method of the motor or the load of the motor.

i Information BF 30 Vario on pages 36 - 37

CNC complete kit

for BF 30 Vario

Consisting of:

- 1 x CNC controller IV "high power"
- 3 x control cards "high power"
- 1 x reference switch kit
- 1 x CNC add-on kit MK F30DP

Extent of supply: MK F30DP

Three step motors 8 Nm

Three assembly housings incl. lids

Six pulleys

Three toothed belts

One bushing

One distance ring

Two nuts

15 meters screening cable

Screw kit

Mounting instructions

- Incl. assembly (without software)

Item No 353 9023

€ 3'190.00 VAT excl.

Recirculating ball screws

Complete kit

Item No

€ VAT excl.

Consisting of:

- 3 x recirculating ball screws with nuts
- Assembly kit of recirculating ball screws for all three axes

Without assembly

357 4455

850.00

With assembly

353 9223

1'490.00

Individual **recirculating ball screws** with spindle nuts

X-axis Ø 20 mm

357 4311

299.00

Y-axis Ø 20 mm

357 4312

289.00

Z-axis Ø 25 mm

357 4313

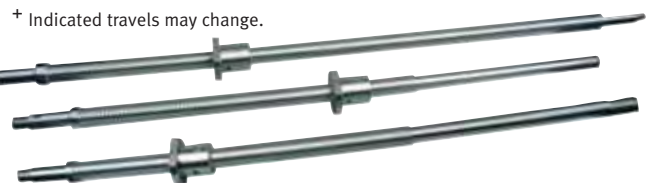
289.00

Assembly recirculating ball screw

900 0523

249.00

- For each axis



⁺ Indicated travels may change.

**New in the
product range**

CNC add-on kit for milling

CNC add-on kit MK F30DP for BF30 Vario 357 0030 **890.00**

- Step motors with integrated terminal board
- Especially smooth running due to little self resonance
- IP 54 enclosed motor protected against water and chips
- Extended axle shaft · 400 steps per rotation
- Toothed belt of HTD type (High Tork Drive) by Gates

Extent of supply:

Three step motors 8 Nm,
three assembly housings incl. lids, six pulleys,
three toothed belts, one bushing, one distance ring,
two nuts, 15 meters screening cable,
screw kit, mounting instructions



Factory assembly CNC add-on kit MK F30DP 900 0603 **350.00**

- "Step motors" · For all 3 axes

Control electronic for step motors

CNC controller IV "high power" 357 1953 **1'490.00**

- **Included 3 control cards "high power"**
- Controller with 4 card slots · 4 potential-free relay outputs
- External emergency-stop input · Input for universal reference switch
- Connection 230 V ~50 Hz, 300 VA
- Dimensions L x W x H: 545 x 270 x 165 mm



Fig.: Controller IV

optional CNC control card "high power" 357 1962 **295.00**

- Universally for all axes
(one card per axis is required)



Fig.: Control card

Instruction

CNC instruction 900 0510 **500.00**

- Instruction in the house - information see on page 143
- Instruction on-site plus travel cost and overnight stay if required

Mega NC CNC software for milling

CNC basic software "NCdrive" 358 2110 **300.00**

- This is an executive program – no plotting program
- NC programs can be imported (from 2D or 3D program) or can be directly entered to DIN 66025
- CD-Rom incl. NClyzer
- Power supply unit
- Connection cable RS 232
- NCdrive as external box



Fig.: NCdrive as external box

MegaNC 2008 - 2D CAD program 358 2112 **750.00**

- In order to work with the machine, the "NCdrive" basic software needs to be available

MegaNC 2008 - 3D CAD program 358 2114 **980.00**

- In order to work with the machine, the "NCdrive" basic software needs to be available

i Information Mega NC on pages 144 - 147

pcdreh@ CNC - software for milling

pcdreh@ for Windows for milling and turning - BASIS 358 2025 **380.00**

- Hardware interface
- Power supply unit and all cables for serial connection
- CD-Rom

pcdreh@ for Windows milling- Plus 358 2060 **150.00**

- Additional functions:
- Axes can be referenced via a switch
 - Manual or automatic changing of tools, incl. tool management
 - Load and edit DIN-ISO files
 - Four-axes processing



Fig.: Dongle

i Information pcdreh@ for milling on pages 148 - 151

USB adapter RS232 357 1969 **19.90**

- For PCs without RS232 connection

Reference switch

Universal reference switch kit 357 1980 **129.00**

- With universal add-on parts for up to three axes
- High repeat accuracy · Contactless
- To be mounted on the machine, machine zero point
- Protective system IP 65

Factory assembly reference switch kit 900 0506 **99.00**



Fig.: Reference switch