

Complete and CNC add-on kit for turning suitable for quantum D 210 / D 250 / Opti D 240 / D 280



Fig.: **D280-CNC**
with optional MPA 3-S
and recirculating ball screw



2.2 Nm

Torque on the spindle
X-axis
Travel speed*
max. **10** mm/sec.



6.4 Nm

Torque on the spindle
Z-axis
Travel speed*
max. **12** mm/sec.

*The indicated speeds demonstrate a nominal value, which had been determined by the current Opti D 280. 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 lathes D 240/D 280 on pages 68 - 69
Information lathes D 210/D 250 on pages 168 - 169

CNC complete kit

for D 210 / D 250

Consisting of:

- 1 x Controller VI
- 2 x control cards 40 V
- 1 x reference switch
- 1 x CNC add-on kit MK D21DP

Extent of supply: MK D21DP

Step motor bipolar X-axis 2.2 Nm

Step motor bipolar Z-axis 4.2 Nm

Two assembly housings incl. lid

Two driving belts

Four pulleys

One shaft extension

One rotary shaft seal

5 meters screening cable

Screw kit

Mounting instructions

- Incl. assembly
(without software)

Item No 353 9031

€ 1'550.00 VAT excl.

CNC complete kit

for D 240 / D 280

when using spindles with trapezoidal thread (standard)

Consisting of:

- 1 x Controller VI
- 2 x control cards 40 V
- 1 x reference switch
- 1 x CNC add-on kit MK D24DP

Extent of supply: MK D24DP

Step motor bipolar X-axis 2.2 Nm

Step motor bipolar Z-axis 4.2 Nm

Two assembly housings incl. lid

Two driving belts

Four pulleys

One shaft extension, one rotary shaft seal

5 meters screening cable

Screw kit, mounting instructions

- Incl. assembly (without software)

Item No 353 9033 € 1'550.00 VAT excl.

CNC complete kit D280

when using recirculating ball screws (optional)

Item No 353 9031 € 1'550.00 VAT excl.

CNC add-on kit for turning

CNC add-on kit MK D21 DP / MK D24DP

- 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

Extent of supply:

One step motor bipolar X-axis 2.2 Nm,
one step motor bipolar Z-axis 4.2 Nm
Two assembly housings incl. cover,
two driving belts
four pulleys,
one shaft extension, one rotary shaft seal
5 meters screening cable
screw kit
mounting instructions

CNC add-on kit MK D21DP 357 0210 **490.00**

- For D 210 x 400 / D 250 x 400 / D 250 x 550

CNC add-on kit MK D24DP 357 0240 **490.00**

- For D 240 x 500 G / D 280 x 700 G

Factory assembly CNC add-on kit 900 0500 **300.00**

- "Step motors" · For both axes



Fig.: CNC add-on kit

CNC software

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

- This is an executable program – no plotting program
- NC programs can be directly entered to DIN 66025
- CD-Rom incl. NClzyer · Power supply unit · Connection cable RS 232
- Ncdrive as external box

Information Mega NC - Ncdrive on pages 144 - 147

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

NEW

pcdreh® for Windows turning - Plus 358 2061 **150.00**

- Upgrade software of pcdreh® Basic version - Additional functions:
- Axes can be referenced via a switch
- Manual or automatic changing of tools, incl. tool management
- Load and edit DIN-ISO files
- Threading

NEW

Information pcdreh® for turning on pages 148 - 151

Control electronic for step motors

CNC controller III 40V 357 1951 **220.00**

- With 3 card slots - Without control cards
- Dimensions L x W x H: 295 x 230 x 145 mm

or

CNC controller VI 40V 357 1950 **280.00**

- With 6 card slots - Without control cards
- Dimensions L x W x H: 540 x 275 x 125 mm

Information controller on pages 128 - 129

CNC control card 357 1960 **125.00**

- X- Y- or Z-axis: one card each (one card per axis is required)



Fig.: Controller VI

Recirculating ball screw

Complete kit recirculating ball screw for the lathe D280

Consisting of:

- 2 x recirculating ball screws
- Assembly kit recirculating ball screw for all two axes

With assembly 353 9310 **1'050.00**

Individual **recirculating ball screws** for the lathe D280

X-axis 357 4421 **269.00**

Z-axis 357 4422 **289.00**

Assembly kit for the lathe D280 357 4425 **195.00**

- For both axes

Assembly recirculating ball screw 900 0532 **249.00**

- For each axis

CNC accessories

Flexible keyboard 357 1945 **18.00**

- Water-, chip-, and dust-proof · Space-saving
- Wear-resistant · Easy cleaning
- Connection and power supply via PS/2

USB adapter RS232 357 1969 **19.90**

- For PCs without RS232 connection

Reference switch

Universal reference switch kit 357 1980 **129.00**

- To determine the machine zero point
- With universal mounting parts
- High repeat accuracy · Contactless
- To be mounted on the machine
- Protective system IP 65

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

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