

quantum D 210 x 400/quantum D 250 x 400/quantum D 250 x 550

Lathes for the demanding user. "VARIO" type with infinitely variable speed control and for quantum D 250 with frequency converter "Made in Germany"

- Solid, aged prismatic lathe bed made of grey casting, matured at least six months, inductively hardened (HRC 42-52) and precision ground
- quantum D 250 "Vario" type with frequency converter "Made in Germany" with extreme high-torque and mostly constant torque progression
- Hardened and ground slideways
- Guaranteed concentricity precision of the spindle nose less than 0.009 mm
- Concentricity precision - lathe chuck less than 0.05 mm
- Highly precise manufacturing
- Automatic longitudinal/leading spindle drive
- Taper roller bearing of P5 quality
- Rolled trapezoid spindles
- Thrust bearing
- Leading spindle running on two porous bearings
- With leading spindle for threading or automatically longitudinal turning
- Large range of threading due to change gear kit
- High-grade lathe chuck protection
- Right-/left-handed rotation switchable on the control panel
- Emergency-stop button and low-voltage release
- Manufactured according to DIN 8606 (toolmaker's precision)
- Test certificate
- Stable value



Fig.: D 210 x 400 Vario

Model	D 210 x 400	D 250 x 400	D 250 x 550
Item No (230 V)	342 0321	342 0400	342 0550
€ (VAT excl.)	889.00	990.00	1,090.00
Item No (400 V)	-	342 0403	342 0553
€ (VAT excl.)	-	990.00	1,090.00

Model	D 210 x 400 Vario*	D 250 x 400 Vario*	D 250 x 550 Vario*
Item No (230 V)	342 0324	342 0404	342 0554
€ (VAT excl.)	1,190.00	1,690.00	1,790.00

Features of performance

Electrical connection

Motor	750 W 230 V ~50 Hz	750 W ~50 Hz	750 W ~50 Hz
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Machine data

Center height	105 mm	125 mm	125 mm
Center width	400 mm	450 mm	550 mm
Turning Ø via lathe bed	210 mm	250 mm	250 mm
Bed width	125 mm	135 mm	135 mm
Spindle speed	125 - 2,000 rpm	125 - 2,000 rpm	125 - 2,000 rpm
Number of steps	6 steps	6 steps	6 steps
*Spindle speed Vario	150 - 2,200 rpm	20 - 2,500 rpm	20 - 2,500 rpm
Spindle taper	MT 3	MT 3	MT 3
Spindle hole	21 mm	21 mm	21 mm
Top slide - travel	70 mm	70 mm	70 mm
Compound slide - travel	110 mm	110 mm	110 mm
Tailstock taper	MT 2	MT 2	MT 2
Tailstock sleeve travel	70 mm	70 mm	70 mm
Longitudinal feed	0.1 - 0.2 mm/rev	0.1 - 0.2 mm/rev	0.1 - 0.2 mm/rev
Pitch - Metric	0.4 - 3.5 mm/rev	0.4 - 3.5 mm/rev	0.4 - 3.5 mm/rev
Pitch - Inch	44 - 10 threads/1"	44 - 10 threads/1"	44 - 10 Gg/1"
Quadruple tool holder seat height	12.5 mm	13 mm	13 mm

Dimensions


Length x Width x Height	880 x 500 x 440 mm	1,010 x 500 x 500 mm	1,110 x 500 x 460 mm
Net weight	105 kg	110 kg	120 kg

Extent of supply

- 3-jaw chuck Ø 100 mm (D210)
- 3-jaw chuck Ø 125 mm (D250)
- Steady center MT2
- Steady center MT3
- Lathe chuck protection
- Lathe dog
- HSS cutting tool
- Splash board
- Chip tray
- Quadruple tool holder
- Operating tool
- Change gear kit, 10 pcs. from 0.4 up to 3 mm and inch-based (44-10 threads/1") thread
- Test certificate

Optional accessories

- **Digital measurement system MPA 3-S**
Item No. 338 3902; € 699.- (VAT excl.)
- **Factory assembly MPA 3-S**
Item No. 900 0420; € 390.- (VAT excl.)

 Information for MPA 3-S on page 92



You want to retrofit the lathes D 210 and D 250 to CNC technology? **No problem!**
Information from page 126 on

D210 x 400
D250 x 400
D250 x 550

Trapezoid spindles
· Rolled

Chip protection
· At the top slide

Slide

- Precisely machined
- Handwheels with adjustable precision scaling of 0.04/0.01 mm
- Quadruple tool holder
- All guidings adjustable via V-ledges

Tailstock

- Adjustable for taper turning
- Tailstock spindle sleeve and handwheel with adjustable precision scaling of 0.02 mm

Change gear kit

- For threading
- Easy and fast speed change via V-belts

Taper roller bearings

- Two pcs
- P5 quality

Thrust bearing

Leading spindle

- Running on two porous bearings



Prismatic bed

- Solid, aged prismatic bed made of grey casting, matured at least six months
- Inductively hardened (HRC 42-52)
- Precision ground

Machine substructure with shelves

- **D 250 x 400:** L x W x H: 870 x 380 x 748 mm
- Item No. 344 0407; € 230.- (VAT excl.)
- **D 250 x 550:** L x W x H: 1,000 x 380 x 748 mm
- Item No. 344 0507; € 230.- (VAT excl.)



Fig.: D 250 x 550

Turning

Accessories D 210	Item No	€ (VAT excl.)
· RÖHM 3-jaw chuck Ø 100 mm	344 1010	269.00
· RÖHM 4-jaw chuck Ø 100 mm	344 1012	299.00
· Lathe chuck flange Ø 100 mm	344 0312	70.00
· Lathe chuck flange Ø 125 mm	344 0313	70.00
· Plane clamping disk Ø 200 mm	344 0352	50.00
· Revolving center MT 2	344 0702	45.00
· Steady rest	344 0315	45.00
· Follow rest	344 0310	45.00
· Cutting tool kit HM 8 mm, 7 pcs.	344 1011	89.00
· Cutting tool kit 8 mm, 11 pcs.	344 1008	59.90
· Cutting tool kit HM 10 mm, 7 pcs.	344 1111	110.00
· Cutting tool kit 10 mm, 11 pcs.	344 1108	59.90
· Cutting tool kit HM 12 mm, 9 pcs.	344 1211	120.00
· Draw-in collet chuck ER 25	344 0305	70.00
· Draw-in collet chuck ER 32	344 0306	79.00
· Collet chuck kit ER 25, 1 - 16 mm, 15 pcs.	344 1109	240.00
· Collet chuck kit ER 32, 3 - 20 mm, 18 pcs.	344 1122	260.00
· Quick-action tool holder SWH 1-A	338 4301	350.00
· Factory assembly SWH	900 0401	60.00

Accessories D 250	Item No	€ (VAT excl.)
· RÖHM 3-jaw chuck Ø 125 mm	344 1025	279.00
· RÖHM 4-jaw chuck Ø 125 mm	344 1027	319.00
· Lathe chuck flange Ø 125 mm	344 0511	70.00
· Plane clamping disk Ø 250 mm	344 0552	50.00
· Revolving center MT2	344 0702	45.00
· Steady rest	344 0515	45.00
· Follow rest	344 0510	45.00
· Cutting tool kit HM 8 mm, 7 pcs.	344 1011	89.00
· Cutting tool kit 8 mm, 11 pcs.	344 1008	59.90
· Cutting tool kit HM 10 mm, 7 pcs.	344 1111	110.00
· Cutting tool kit 10 mm, 11 pcs.	344 1108	59.90
· Cutting tool kit HM 12 mm, 9 pcs.	344 1211	120.00
· Draw-in collet chuck ER 25	344 0505	80.00
· Draw-in collet chuck ER 32	344 0506	90.00
· Collet chuck kit ER 25, 1 - 16 mm, 15 pcs.	344 1109	240.00
· Collet chuck kit ER 32, 3 - 20 mm, 18 pcs.	344 1122	260.00
· Quick-action tool holder SWH 1-A	338 4301	350.00
· Factory assembly SWH	900 0401	60.00
· Add-on adapter for assembly of upright and milling head of the BF20(L) Vario	335 6572	99.00
· Add-on adapter for assembly of upright and milling head of the BF16 Vario	335 6568	99.00

More accessories from page 76 on