

Completely equipped **screw cutting and bar lathes** with oil-quenched feed gear mechanism.  
**“VARIO”** type with frequency converter **“Made in Germany”**

### Convincing arguments: quality, efficiency and price

- Hardened and ground slideways
- Camlock spindle holding fixture ASA D1 - 4”
- Guaranteed concentricity precision of the spindle nose better than 0.015 mm
- Tailstock can be shifted by ± 10 mm for taper turning
- Right-/left-handed rotation at the lathe slide, switchable via indexing spindle
- Chip protection at the top slide
- Machine lamp
- Emergency-stop button, protective motor switch, lockable main switch
- Cover for leading spindle
- “Vario” type with frequency converter “Made in Germany” with extreme high-torque and mostly constant torque progression
- Machine substructure with tool box
- Manufactured according to DIN 8606 (toolmaker’s precision)

Model	D 320 x 630	D 320 x 920
Item No	340 0633	340 0923
€ VAT excl.	<b>3'290.00</b>	<b>3'390.00</b>
Model	D 320 x 630-DPA	D 320 x 920-DPA
Item No	340 0633DPA	340 0923DPA
€ VAT excl.	<b>4'300.00</b>	<b>4'450.00</b>
Features of performance		
Electrical connection		
Motor power	1.5 kW 400 V ~50 Hz	
Machine data		
Center height	160 mm	
Center width	630 mm	920 mm
Turning Ø over lathe bed	320 mm	
Turning Ø over cross slide	190 mm	
Turning Ø without bed bridge	430 mm	
Length of bed bridge	230 mm	
Spindle speed	65 - 1800 rpm	
Number of steps	18 steps	
Spindle speed <i>Vario machines</i>	10 - 2500 rpm	
Number of steps	8 infinitely variable	
Spindle taper	MT5	
Spindle holding fixture	Camlock ASA D1 - 4”	
Spindle hole	38 mm	
Bed width	181 mm	
Top slide - travel	85 mm	
Compound slide - travel	162 mm	
Tailstock holding fixture	MT3	
Tailstock sleeve travel	100 mm	
Longitudinal feed (32 feeds)	0.052 - 1.392 mm/rev	
Crossfeed (32 feeds)	0.014 - 0.380 mm/rev	
Pitch - Metric (26 pitches)	0.4 - 7 mm	
Pitch - Inch (34 pitches)	56 - 4 threads/1”	
Quadruple tool holder seat height	(max.) 16 mm	
Dimensions		
Length	1390 mm	1680 mm
Width x Height	760 x 1420 mm	
Net weight	400 kg	410 kg



### D 320 x 630-DPA / D 320 x 920-DPA

- Incl. digital position display DPA 2000
- Incl. glass scales
- Incl. assembly

**i** Detailed information for DPA 2000 on page 95

## Vario retrofit for D320 x 630-DPA D320 x 920-DPA

- Incl. Vario retrofit kit 400V
- Exchange digital position display DPA 2000 to DPA 2000S
- Incl. assembly

### Vario retrofit for D 320 x 630-DPA

Item No 340 2931  
**€ 1'750.00 VAT excl.**

### Vario retrofit for D 320 x 920-DPA

Item No 340 2932  
**€ 1'750.00 VAT excl.**

D 320 x 630  
D 320 x 920

**NEW**

**Retrofit kit CNC**  
refer to pages 140 - 141

**Main spindle**

- Hardened and ground
- Running in a oil quench
- Run on 2 adjustable precision taper roller bearings

**Main spindle gearwheels**

- Smooth running, hardened and ground
- Closed **fast acting feed gear**

**Bed bridge**

- Removable

**Slide**

- Precisely machined
- Top slide rotatable by 360°
- Handwheels with adjustable precision scaling
- Quadruple tool holder
- Right-/left-handed rotation at the slide switchable via indexing spindle

**Halogen machine lamp**

- Covered articulated arm
- High positioning stability

**Prismatic bed**

- Heavily ribbed
- Inductively hardened
- Precision ground

**Guidings**

- All guidings adjustable via V-ledges

**Tailstock**

- Adjustable by +/- 10 mm for taper turning
- Tailstock spindle sleeve and handwheel with adjustable precision scaling of 0.025 mm



Turning

Fig.: D 320 x 920

**Extent of supply**

- 3-jaw chuck Ø 160 mm
- 4-jaw chuck Ø 200 mm with universally adjustable jaws
- Plane clamping disk Ø 250 mm
- Revolving center MT3
- Steady rest
- Follow rest
- Machine substructure (not mounted)
- Splash board (not mounted)
- Chip tray
- Lathe chuck protection
- Machine lamp
- Threading gauge
- Quadruple tool holder
- Change gear kit
- Operating tool
- First filling with high-grade mobile oil

**Accessories**

	Item No	€ VAT excl.
· <b>RÖHM</b> 3-jaw chuck Ø 200 mm	344 1531	<b>429.00</b>
· <b>RÖHM</b> 4-jaw chuck Ø 200 mm	344 1532	<b>479.00</b>
· <b>RÖHM</b> Plane clamping disk Ø 260 mm direct holding fixture Camlock D1 - 4"	344 1538	<b>555.00</b>
· Cutting tool 16 mm, 11 pcs.	344 1508	<b>65.00</b>
· Cutting tool HM 16 mm, 7 pcs.	344 1511	<b>120.00</b>
· Universal collet chuck attachment 5C	344 1506	<b>230.00</b>
· Collet chuck kit 3 - 25 mm, 5c, 17 pcs.	344 1509	<b>300.00</b>
· Position limit stop with fine adjustment	344 1524	<b>60.00</b>
· Quick-action tool holder SWH 3-E	338 4303	<b>429.00</b>
· Factory assembly SWH	900 0400	<b>95.00</b>

More accessories from page 82 on