

quantum D 320 x 630 / quantum D 320 x 630 Vario quantum D 320 x 920 / quantum D 320 x 920 Vario

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

Convincing arguments: quality, efficiency and price

- Spindle holding fixture Camlock ASA D 1 - 4"
- Oil-quenched hardened work spindle bedded in two adjustable precision taper roller bearings
- Guaranteed concentricity precision of the spindle nose less than 0.015 mm
- Smooth-running work spindle gearwheels, hardened and precision-ground
- Leadscrew and feed shaft drive easily switchable via oil-quenched feed gear
- Blocking mechanism avoids simultaneous use of leadscrew drive and feed shaft drive
- Adjustable friction clutch of the feed shaft
- The tailstock may be shifted +/- 10 mm for taper turning
- Right-left-hand rotation can be switched with the help of the indexing spindle
- Low-voltage release, EMERGENCY-STOP button and protective motor switch
- Removable bed gap
- Electrical system by Siemens
- Cover for leading spindle
- “Vario” type with German frequency converter
- Manufactured according to DIN 8,606 (toolmaker’s precision)



- “VARIO” type with frequency converter with extremely high motor power and a notably constant torque curve
- Variable speeds from **10 - 2,500 rpm**

Model	D 320 x 630	D 320 x 630 VARIO	D 320 x 920	D 320 x 920 VARIO
Item No.	340 0633	340 0635	340 0923	340 0925
€ (VAT excl.)	2,850.00	4,150.00	2,990.00	4,290.00

Technical data	D 320 x 630	D 320 x 630 VARIO	D 320 x 920	D 320 x 920 VARIO
Centre height	160 mm	160 mm	160 mm	160 mm
Distance between centres ¹⁾	630 mm	630 mm	920 mm	920 mm
Turning diameter (max.)	320 mm	320 mm	320 mm	320 mm
Turning-Ø over saddle	178 mm	178 mm	178 mm	178 mm
Turning-Ø without bridge	430 mm	430 mm	430 mm	430 mm
Length of bed bridge	115 mm	115 mm	115 mm	115 mm
Spindle hole	38 mm	38 mm	38 mm	38 mm
Spindle holding fixture	ASA D 1 - 4"	ASA D 1 - 4"	ASA D 1 - 4"	ASA D 1 - 4"
Spindle taper	MT 5	MT 5	MT 5	MT 5
Spindle speeds	65 - 1,800 rpm	10 - 2,500 rpm	65 - 1,800 rpm	10 - 2,500 rpm
Number of steps	18 steps	continuous	18 steps	continuous
Pitch - Metric (26)	0.4 - 7 mm	0.4 - 7 mm	0.4 - 7 mm	0.4 - 7 mm
Pitch - Inch (34)	4 - 56 TPI	4 - 56 TPI	4 - 56 TPI	4 - 56 TPI
Longitudinal feeds (32) mm/rev	0.052 - 1.392	0.052 - 1.392	0.052 - 1.392	0.052 - 1.392
Crossfeeds (32) mm/rev	0.014 - 0.380	0.014 - 0.380	0.014 - 0.380	0.014 - 0.380
Bed width	187 mm	187 mm	187 mm	187 mm
Top slide travel ¹⁾	85 mm	85 mm	85 mm	85 mm
Cross slide travel ¹⁾	165 mm	165 mm	165 mm	165 mm
Tailstock taper	MT 3	MT 3	MT 3	MT 3
Tailstock -sleeve travel	110 mm	110 mm	110 mm	110 mm
Motor power 50 Hz	1.1 kW / 400 V	1.5 kW / 400 V	1.1 kW / 400 V	1.5 kW / 400 V
Dimensions (L x W x H) mm	1,390 x 760 x 1,420	1,390 x 760 x 1,420	1,680 x 760 x 1,420	1,680 x 760 x 1,420
Net weight	485 kg	490 kg	525 kg	530 kg

¹⁾Guideways travel are briefer during use of measuring gibs for digital displays

Extent of supply:

- 3-jaw chuck Ø 160 mm
- 4-jaw chuck Ø 200 mm with universally adjustable jaws
- Face plate Ø 250 mm
- Steady rest
- Follow rest
- Revolving centre MT3
- Substructure (not fitted)
- Rear splash guard (not fitted)
- Chip pan
- Chuck protection
- Machine lamp
- Threading gauge
- Quadruple toolholder
- Set of change gear wheels
- Operating tools
- Initial filling with high-grade Mobil oil

- Enclosed fast acting feedgear mechanism
- Hardened and ground work spindle with 2 adjustable precision taper roller bearings
- Smooth-running work spindle gearwheels, hardened and precision-ground
- Removable bed gap
- Precisely worked slide
- Cross slide turnable 360°
- Handwheels with adjustable precision scaling of 0.04/0.02 mm
- Quadruple tool holder
- All guideways adjustable due to tapered gibs
- Right-handed/left-handed rotation switchable on the slide with stem
- Tailstock adjustable for taper turning
- Tailstock sleeve and hand-wheel with adjustable precision scaling of 0.025 mm
- Induction-hardened and ground prismatic bed

D 320 x 920



Accessories	Item No.	€ (VAT excl.)
■ ROHM 3-jaw chuck Ø 200 mm	344 1531	409.00
■ ROHM 4-jaw chuck Ø 200 mm	344 1532	459.00
■ ROHM Face plate Ø 260 mm	344 1538	519.00
■ Direct holding fixture Camlock D 1 - 4"		
■ Revolving centre MT 3	344 0703	50.00
■ Position stop with fine adjustment	344 1524	60.00
■ Cutting tool kit 11 pcs., 16 mm	344 1508	65.00
■ Cutting tool kit 7 pcs., 16 mm	344 1511	120.00
■ Universal collet chucking attachment 5C	344 1506	230.00
■ Collet kit 3 - 25 mm, 17 pcs., 5c	344 1509	300.00
■ Quick-action tool holder SWH 3-E	338 4303	429.00
■ Factory assembly quick-action tool holder	900 0400	95.00

More accessories from page 36 onwards



Revolving center

Collet kit 17 pcs.