

## OPTI D 1325 GH / OPTI D 1340 GH

High-quality, robust and precision sliding and screw-cutting lathes with tumbler gear frame. Ideal for use in production, workshops, repair shops, training and apprentice shops

### Convincing arguments: quality, efficiency and price

- German automatic off-switch (IP 54 compliant) for easy operation, with voltage circuit breaker, lockable emergency stop switch
- Smooth running due to a hardened and toughened toothed steel gearing made of Cr-Mo
- Smooth running spindle gear, all gearwheels and shafts are hardened and precision-ground
- Work spindle run on adjustable precision taper roll bearings
- Guaranteed concentricity precision of the main spindle less than 0.01 mm
- Hardened spindle nose
- Quick-change feed gear for feed shaft and leadscrew
- Change of feed direction via a reversing gear with sliding gearwheels
- Camlock spindle holding fixture ASA D 1 - 4"
- Chuck protection with automatic off-switch
- Right-left-hand rotation can be switched with the help of the indexing spindle
- Robust, heavily ribbed prismatic bed
- Manufactured to DIN 8606 (toolmaker's precision)
- Cost-efficient, precise and of stable value



### Optional accessories:

- **Collet chuck attachment with quick-action clamping lever**  
When turning round pieces, a high precision will be achieved. The concentricity precision during the turning process is much higher than with a 3-jaw chuck

### Extent of supply:

- RÖHM 3-jaw chuck Ø 160 mm
- Two fixed centres
- Lathe chuck protection
- Chip pan
- Quadruple tool holder
- Threading gauge
- Operating tools
- Change gear kit
- Test certificate

Model	OPTI D 1325 GH	OPTI D 1340 GH
Item No.	343 1500	343 2000
€ (VAT excl.)	<b>5,599.00</b>	<b>5,999.00</b>

Technical data		
Centre height	165 mm	165 mm
Distance between centres <sup>1)</sup>	600 mm	1,000 mm
Swing over bed	187 mm	187 mm
Pitch over slide	198 mm	198 mm
Swing over bed	330 mm	330 mm
Swing without bed insert	-	475 mm
Length of the bed insert	-	115 mm
Spindle hole	38 mm	38 mm
Spindle holding fixture	Camlock ASA D1-4"	Camlock ASA D1-4"
Spindle taper	MT 5	MT 5
Spindle speeds, 8 steps	70 - 2,000 rpm	70 - 2,000 rpm
Pitch - Metric	0.25 - 11 mm/rev	0.25 - 11 mm/rev
Pitch - Inch	4 - 112 TPI	4 - 112 TPI
Modular thread	0.25 - 3 M.P.	0.25 - 3 M.P.
Longitudinal feeds (40)	0.091 - 2.553 mm/rev	0.091 - 2.553 mm/rev
Crossfeeds (40)	0.025 - 0.69 mm/rev	0.025 - 0.69 mm/rev
Cross slide travel <sup>1)</sup>	160 mm	160 mm
Top slide travel <sup>1)</sup>	68 mm	68 mm
Tailstock taper	MT 3	MT 3
Tailstock sleeve travel	100 mm	100 mm
Motor power 50 Hz	1.5 kW / 400 V	1.5 kW / 400 V
Dimensions (L x W x H)	1,538 x 750 x 635 mm	1,945 x 750 x 635 mm
Net weight	340 kg	395 kg

<sup>1)</sup> Travels are reduced when using measuring gibs for digital displays



### Optional accessories:

- **Substructure**  
with lockable doors and shelves cabinet furniture



Universal-coolant system

- Smooth running spindle gear. All gearwheels and shafts are hardened and precision-ground
- Hardened spindle nose

- Quadruple tool holder

- All guideways adjustable without clearance due to tapered gibs

- Induction-hardened and precision-ground solid prismatic bed made of grey cast iron



- Quick-change feed gear for feed shaft and leadscrew

- Precision-machined slide
- Handwheels with adjustable precision scaling of 0.04/0.01 mm

- Threading gauge with scale

- Chip pan

Accessories D 1325 GH	Item No.	€ (VAT excl.)
ROHM-face plate Ø 260 mm D 1-4"	344 1538	519.00
Lathe chuck flange Ø 160 D 1-4"	344 1512	85.00
Lathe chuck flange Ø 200 D 1-4"	344 1513	99.00
Steady rest	344 1515	169.00
Follow rest	344 1510	130.00
Revolving centre MT3	344 0703	50.00
Cutting tool kit 11 pcs., 16 mm	344 1508	65.00
Cutting tool kit 7 pcs., 16 mm	344 1511	120.00
Collet chuck kit 17 pcs., 5C, 3 - 25 mm	344 1509	300.00
Collet chuck kit ER 32, 18 pcs. 3-20 mm	344 1122	260.00
Collet chucking att. w/ quick-action cla. lever	344 1505	660.00
Position stop with fine adjustment	344 1524	60.00
Quick-action tool holder SWH 3-E	338 4303	429.00
Factory assembly and adaptation SWH	900 0400	95.00
Rear splash guard	344 1530	199.00
Universal coolant system	344 1520	340.00
Substructure (unmounted)	344 1507	420.00

Accessories D 1340 GH	Item No.	€ (VAT excl.)
ROHM-face plate Ø 260 mm D 1-4"	344 1538	519.00
Lathe chuck flange Ø 160 D 1-4"	344 1512	85.00
Lathe chuck flange Ø 200 D 1-4"	344 1513	99.00
Steady rest	344 1515	169.00
Follow rest	344 1510	130.00
Revolving centre MT3	344 0703	50.00
Cutting tool kit 11 pcs., 16 mm	344 1508	65.00
Cutting tool kit 7 pcs., 16 mm	344 1511	120.00
Collet chuck kit 17 pcs., 5C, 3 - 25 mm	344 1509	300.00
Collet chuck kit ER 32, 18 pcs. 3-20 mm	344 1122	260.00
Collet chucking att. w/ quick-action cla. lever	344 1505	660.00
Position stop with fine adjustment	344 1524	60.00
Quick-action tool holder SWH 3-E	338 4303	429.00
Factory assembly and adaptation SWH	900 0400	95.00
Rear splash guard	344 2030	209.00
Universal-coolant system	344 1520	340.00
Substructure (unmounted)	344 1507	420.00

More accessories from page 42 onwards

## OPTI D 1340 GHE

High-quality, robust and precision sliding and screw-cutting lathes. Ideal for use in production, workshops, repair shops, training and apprentice shops

### Convincing arguments: quality, efficiency and price

- Smooth running spindle gear. All gearwheels and shafts are hardened and precision-ground
- Guaranteed concentricity precision of the main spindle less than 0.01 mm
- Smooth running due to a hardened and toughened toothed steel gearing made of Cr-Mo
- Closed fast-acting and oil-quenched feedgear mechanism with precision bearings.  
All gearwheels and shafts are hardened and ground
- Change of feed direction via a reversing gear with sliding gearwheels
- Spindle run on adjustable precision taper roller bearings
- Camlock spindle holding fixture ASA D 1 - 4"
- All guideways adjustable without clearance due to tapered gibs
- Removable bed gap
- Chuck protection with automatic off-switch
- Feed shaft with adjustable overload friction clutch
- Substructure with mechanical foot spindle brake
- Right- and left-hand rotation can be switched with the help of the indexing spindle
- Manufactured to DIN 8606 (toolmaker's precision)
- Cost-efficient, precise and of stable value



### Optional accessories:

#### ■ Collet chucking attachment with quick-action clamping lever

When turning round pieces, a high precision will be achieved. The concentricity precision during the turning process is much higher than with a 3-jaw chuck

#### ■ Closed fast-acting and oil-quenched feedgear mechanism

■ All oil-quenched toothed wheels and shafts are hardened and ground

#### ■ Substructure with lockable doors and shelves for cabinet furniture

■ Mechanical foot spindle break

Model	OPTI D 1340 GHE
Item No.	343 2500
€ (VAT excl.)	7,990.00

Technical data	
Centre height	166 mm
Distance between centres <sup>*)</sup>	1,000 mm
Pitch over slide	198 mm
Swing over bed	330 mm
Swing without bed insert	476 mm
Length of the bed insert	115 mm
Spindle hole	38 mm
Spindle holding fixture	Camlock ASA D 1 - 4"
Spindle taper	MT 5
Spindle speeds, 8 steps	70 - 2,000 rpm
Pitch - Metric	0.4 - 7 mm/rev
Pitch - Inch	56 - 4 TPI
Trapezoidal thread	8 - 120 D.P.
Modular thread	0.2 - 3 M.P.
Longitudinal feeds (32)	0.052 - 1.392 mm/rev
Crossfeeds (32)	0.014 - 0.380 mm/rev
Swing over bed	187 mm
Cross slide travel <sup>*)</sup>	160 mm
Top slide travel <sup>*)</sup>	68 mm
Tailstock taper	MT 3
Tailstock sleeve travel	120 mm
Motor power 400 V / 50 Hz	2.2 kW
Dimensions (L x W x H)	1,940 x 755 x 1,238 mm
Net weight	610 kg

### Extent of supply:

- RÖHM 3-jaw chuck Ø 160 mm
- Two fixed centres
- Substructure with foot brake
- Rear splash guard (unmounted)
- Chip sump
- Coolant system
- Reduction sleeve for spindle nose
- Change gear kit
- Threading gauge
- Quadruple tool holder
- Operating tools
- Test certificate

<sup>\*)</sup> Travels are reduced when using measuring gibs for digital displays



- Smooth running spindle gear, All gearwheels and shafts are hardened and precision-ground
- Hardened spindle nose

- Quadruple tool holder
- All guideways adjustable without clearance due to tapered gibs

- Tailstock adjustable for taper turning
- Tailstock sleeve and hand-wheel with scaling (handwheel 0.02 mm)



Turning

### Accessories

	Item No.	€ (VAT excl.)
■ RÖHM-Face plate Ø 260 mm D 1-4"	344 1538	<b>519.00</b>
■ Lathe chuck flange Ø 160 D 1-4"	344 1512	<b>85.00</b>
■ Lathe chuck flange Ø 200 D 1-4"	344 1513	<b>99.00</b>
■ Steady rest	344 1515	<b>169.00</b>
■ Follow rest	344 1510	<b>130.00</b>
■ Revolving centre MT3	344 0703	<b>50.00</b>
■ Cutting tool kit 11 pcs., 16 mm	344 1508	<b>65.00</b>
■ Cutting tool kit 7 pcs., 16 mm	344 1511	<b>120.00</b>
■ Collet chuck kit 17 pcs., 5C, 3 - 25 mm	344 1509	<b>300.00</b>
■ Collet chuck kit ER 32, DIN 6499, 18 pcs. 3-20 mm	344 1122	<b>260.00</b>
■ Collet chucking att. w/ quick-action cl. lever	344 1505	<b>660.00</b>
■ Position 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 and adaptation SWH	900 0400	<b>95.00</b>
■ Universal coolant system	344 1520	<b>340.00</b>

More accessories from page 42 onwards



Position stop with fine adjustment



Universal coolant system