

OPTI D 1840 TS / OPTI D 1860 TS

Perfect technique, large speed range, precise fabrication and smooth running. Machine bed and substructure made of one piece Meehanite cast iron each

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
- Toughened, heavy duty work spindle bedded in adjustable precision taper roller bearings
- Closed fast-acting and oil-quenched feedgear mechanism with precision bearings.
All gearwheels and shafts are hardened and ground
- All guideways adjustable due to tapered gibs
- Robust, heavily ribbed prismatic bed, induction-hardened
- Central lubrication system in the bed slide
- Chuck protection with safety switch
- Bumper bar with four bumper cams for longitudinal movement of the slide
- Chuck protection with automatic off-switch
- Stop rod with four stop pins for longitudinal movement of the saddle
- Adjustable friction clutch in the saddle for the leadscrew
- Mechanical foot spindle brake
- Hardened spindle nose
- Manufactured to DIN 8606 (toolmaker's precision)

- Closed fast-acting and oil-quenched feedgear mechanism
- All gearwheels and shafts are hardened and ground

- Substructure made of Meehanite cast iron

Model	OPTI D 1840 TS	OPTI D 1860 TS
Item No.	343 4000	343 4500
€ (VAT excl.)	15,990.00	16,990.00

Technical data		
Centre height	230 mm	230 mm
Distance between centres ¹⁾	1,016 mm	1,530 mm
Pitch over slide	288 mm	288 mm
Swing over bed	460 mm	460 mm
Swing without bed insert	640 mm	640 mm
Length of the bed insert	155 mm	155 mm
Spindle hole	52 mm	52 mm
Spindle holding fixture	Camlock ASA D1-6"	Camlock ASA D1-6"
Spindle taper	MT 6	MT 6
Spindle speeds, 12 steps	30 - 2,000 rpm	30 - 2,000 rpm
Pitch - Metric (53)	0.4 - 14 mm/rev	0.4 - 14 mm/rev
Pitch - Inch (40)	2 - 56 TPI	2 - 56 TPI
Trapezoidal thread (32)	4 - 32 D.P.	4 - 32 D.P.
Modular thread (44)	0.4 - 7 M.P.	0.4 - 7 M.P.
Longitudinal feeds (40)	0.032 - 0.898 mm/rev	0.032 - 0.898 mm/rev
Crossfeeds (40)	0.016 - 0.449 mm/rev	0.016 - 0.449 mm/rev
Swing over bed	300 mm	300 mm
Cross slide travel ¹⁾	230 mm	230 mm
Top slide travel ¹⁾	135 mm	135 mm
Tailstock taper	MT 4	MT 4
Tailstock sleeve travel	120 mm	120 mm
Motor power 400 V / 50 Hz	3.75 kW	3.75 kW
Dimensions (L x W x H)	2,240 x 980 x 1,230 mm	2,755 x 980 x 1,230 mm
Net weight	1,750 kg	2,000 kg

- Mechanical foot spindle brake

Extent of supply:

- RÖHM 3-jaw chuck Ø 200 mm
- Two fixed centres
- Substructure made from Meehanite cast iron
- Rear splash guard
- Chip pan
- Coolant system
- Reduction sleeve for spindle nose
- Quadruple tool holder
- Operating tools
- Change gear kit
- Test certificate

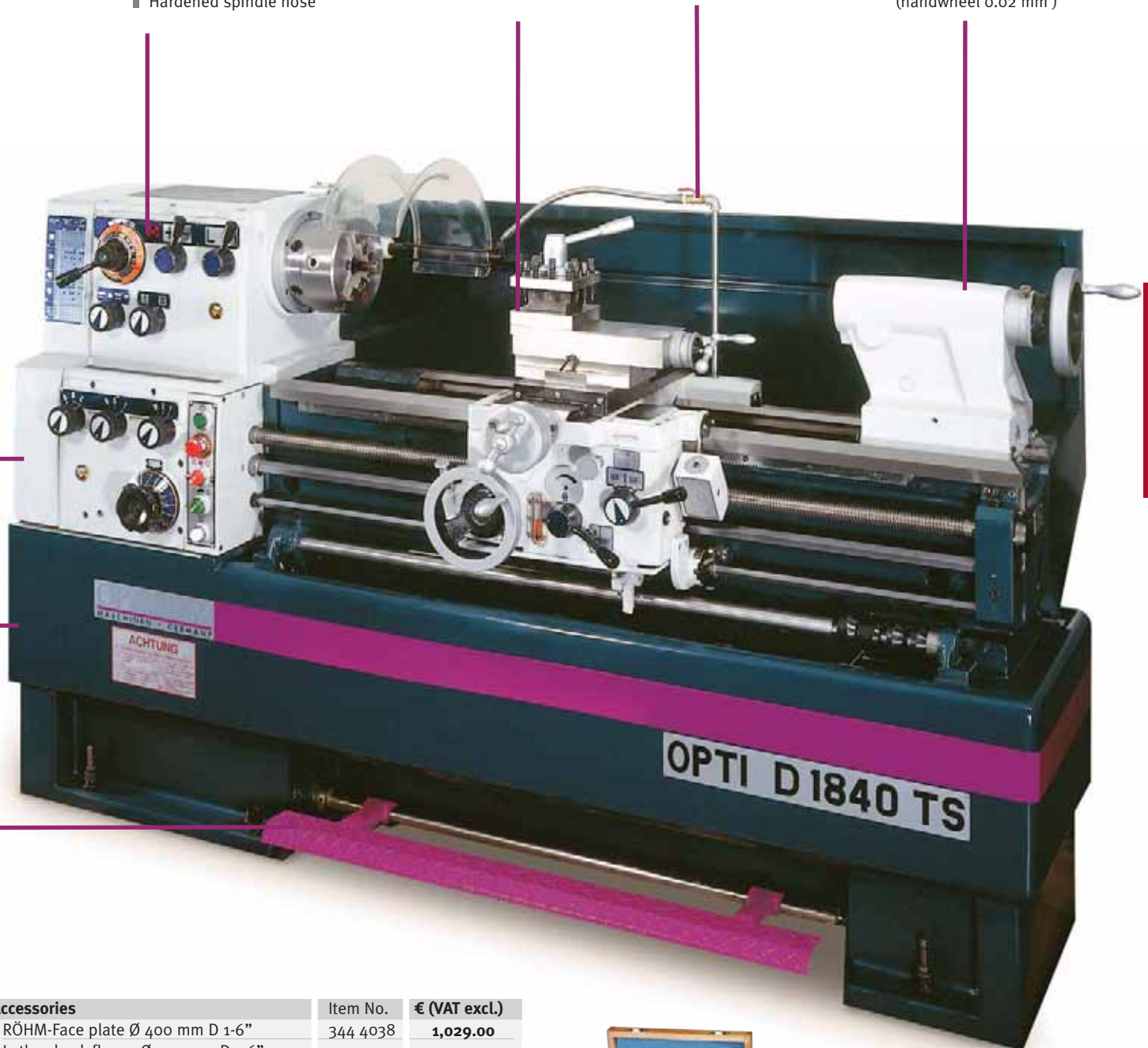
¹⁾ Travels are reduced when using measuring gibs for digital displays

- 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

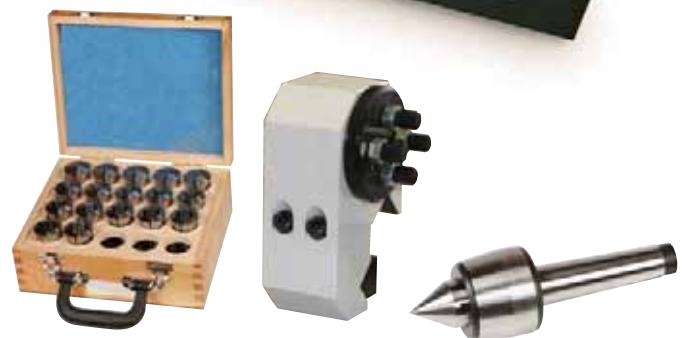
- Coolant system with adjusting valve and stop valve

- Tailstock adjustable by +/- 11.5 mm for taper turning
- Tailstock sleeve and handwheel with scaling (handwheel 0.02 mm)



Accessories	Item No.	€ (VAT excl.)
■ RÖHM-Face plate Ø 400 mm D 1-6"	344 4038	1,029.00
■ Lathe chuck flange Ø 200 mm D 1-6"	344 4012	99.00
■ Lathe chuck flange Ø 250 mm D 1-6"	344 4013	119.00
■ Steady rest	344 4015	329.00
■ Follow rest	344 4010	269.00
■ Revolving centre MT4	344 0704	60.00
■ 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 chucking att. w/ quick-action cla. lever	344 4005	969.00
■ Position stop, quadruple adjusting	344 4022	195.00
■ Quick-action tool holder SWH 5-B	338 4305	490.00
■ Factory assembly and adaptation SWH 5-B	900 0400	95.00

More accessories from page 42 onwards



Collet chuck kit 17 pcs. Position stop, quadruple adjusting Revolving centre