



HIGH SPEED PRECISION LATHES

BHL Series

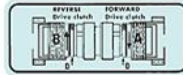
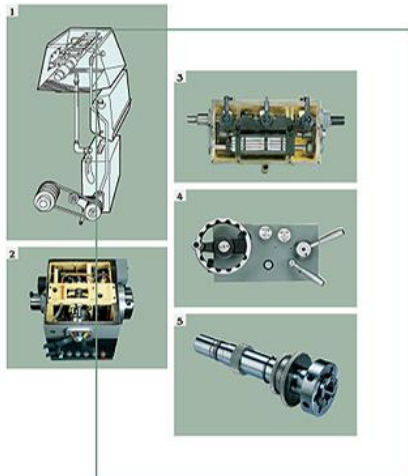


Photo shown model : BHL-1550
w/protect cover on leadscrew



Photo shown model: BHL-1550V



- All models with mechanical clutch. (excluded E.V.S. model)
- All models with auto lubrication system to headstock & external tank for cooling the oil
- All models meet CE. (on request)
- All models with 56mm (2.2") spindle bore, ASA D1-6.

FEATURES

- All castings are properly stabilized and stress relieved.
- Bed ways are hardened & ground to min. HS-70.
- Turcite B coating between the bed and carriage.
- Extremely low noise level.
- Foot brake pedal provided.
- Built-in coolant pump & fitting provided.
- CSS (constant surface speed control) on request for E.V.S. model
- Wider bed way which give absorbs vibration.

- 111 LUBRICATION • Oil sight window for efficient check of oil level action. • Pressure lubrication system in headstock can ensure it's lubricated and cooling when high speed cutting. • Splash lubrication in feed gearbox & apron.
- 121 HEADSTOCK • Housing is vibration-absorbent, deflection-free.
• Gears are hardened & MAAG or REISHAUER ground.
- 131 GEAR BOX • Universal type allowing a wide range of inch, metric, M.P., D.P. threads without change gears.

- 141 APRON • R/H or L/H wheel can be available on request.
• Integrated automatic control for longitudinal & cross feeds, forward & reverse feeds.
- 151 HEAVY DUTY SPINDLE • Machined from forged alloy steel, hardened ground & dynamically balanced. • Three point support by high grade precision, machine tool taper roller & ball bearings.



STANDARD ACCESSORIES:

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|-------------------------------------|---------------------------------|
| 1 Backplate for 9" chuck | 5 Level pads.....8 pcs |
| 2 Dead center MT.4 | 6 Tool set & Box |
| 3 Dead center MT.4 with carbide tip | 7 Operation manual & parts list |
| 4 Spindle center sleeve MT.6 | |

OPTIONAL ACCESSORIES:

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|--------------------------------|--------------------------------------|-----------------------------|
| 1 3-Jaws scroll 9" chuck | 8 Tool post grinder attachment | 15 Drill chuck & arbor |
| 2 4-Jaws independent 10" chuck | 9 Taper turning attachment | 16 Rotating center MT.4 |
| 3 SC collet closer attachment | 10 Electrical system for CE | 17 Halogen lamp |
| 4 SC collets (metric or inch) | 11 Protect cover on leadscrew for CE | 18 Quick change tool post |
| 5 Driving plate with dog | 12 Steady rest w/ball bearing | 19 Carriage micro stop set |
| 6 Chuck safety guard | 13 Follow rest w/bronze tip | 20 Digital read out system |
| 7 Hydraulic copying attachment | 14 Faceplate 12" | 21 Full length splash guard |

BHL-1550

BHL-1550V

MODEL		BHL-1550	BHL-1550V	
Capacity	Height of centers	190 mm (7.48")		
	Swing over bed	ø387 mm (15.23")		
	Swing in gap	ø610 mm (24")		
	Swing over cross slide	ø238 mm (9.37")		
	Distance between centers	1250 mm (50")		
	Width of bed	280 mm (11")		
Headstock and Main Spindle	Gap width in front of faceplate	265mm (10.43")		
	Spindle nose, internal taper	D1-6, MT.No.6		
	Spindle center sleeve	MT. No.6 x MT. No.4		
	Spindle bore	ø56 mm (2.2")		
	Spindle speed:	Gear steps	16 steps / 25-2000 R.P.M. Green 25 80 260 840	- L - 22-72 R.P.M. M - 70-235 R.P.M.
		Range	Yellow 33 108 350 1120 Red 45 140 470 1500 Blue 60 190 625 2000	4 steps / M/H 235-780 R.P.M. H 753-2500 R.P.M.
		*MATRIX Disc clutch for Forward / Reverse		
Carriage	Length on bed / Width of carriage	484 mm (19.05") / 450 mm (17.71")		
	Cross slide travel	235 mm (9.25")		
	Top slide travel	120 mm (4.72")		
	Whitworth threads: Kinds / Range	45 Kinds / 2-72 T.P.I.		
Threads and Feeds	Metric threads: Kinds / Range	39 Kinds / 0.2-14 mm		
	D.P. threads: Kinds / Range	21 Kinds / 8-44 D.P.		
	M.P. threads: Kinds / Range	18 Kinds / 0.3-3.5 M.P.		
	Longitudinal feeds	0.04-1.0 mm (0.0015"-0.04")		
	Cross feeds	0.02-0.5 mm (0.00075"-0.02")		
Tailstock	Quill diameter	ø59 mm (2.322")		
	Quill travel	127 mm (5")		
	Taper of center	MT.No.4		
Motor	Main spindle	7.5HP	AC 5.5kW (7.5HP), Inverter	
	Forced lubrication for HD. Coolant pump	---	1/4HP	
Measurement	Weight (Net /Gross) Approx.	1450 kgs / 1700 kgs		
	Packing sizes	Length	2580 mm (101.58")	
		Width x Height	Width 1120 mm (44.1") x Height 1745 mm (68.7")	

Specifications subject to change without notice.