

Wadkin
BURSGREEN

BL 150

WOOD TURNING LATHE 6" BL 150

British Standard Classification No. 12.61



This Bursgreen lathe is the ideal machine for colleges, schools, evening institutes, handicraft centres and all similar educational establishments. It is also a useful machine for the profitable manufacture of a wide range of turned wood products, and for use in pattern or model shops for the smaller classes of work.

It is very sturdily built for maximum rigidity, and is engineered for accuracy and to give continuous trouble free running with the minimum of attention. The outside face plate gives it an exceptionally large scope of working and makes it capable of a wide variety of work of a high standard.

Every possible safety feature has been incorporated to make the machine suitable for youthful operators. All adjustments and locks have been designed for ease and convenience of operation, no spanners are required.

The Bed can be provided with a gap. The gap section is lifted out to permit work up to 18" (460 mm) diameter to be turned.

The Headstock embodies a vee belt drive from a motor in the base. Access to the four speed pulley on the main spindle is through the hinged lid of the headstock. A safety switch, automatically operated when the lid is raised, cuts off the power to the motor, which cannot be restarted until the lid is closed. Four speeds of 425, 800, 1400 and 2300 rpm are provided.

The Main Spindle is powerful and rigid, made of high tensile steel and is mounted on sealed-for-life ball-bearings requiring no lubrication, with provision for taking end thrust both ways. It is screwed both ends for faceplates and bored out at the front end No. 3 Morse taper for the driving centres. Cone pulley providing 4 speeds is keyed to the spindle.

The spindle is bored $\frac{3}{16}$ " (20 mm) diameter through.

The Tailstock has quick adjustment along the bed with powerful lever lock. The tailstock is bored out for a No. 2 Morse taper centre, and is controlled by handwheel and screw. A $\frac{1}{2}$ " (12,7 mm) diameter hole through the screw is for use when deep boring.

The drive is by vee belt from 1 h.p. totally enclosed fan cooled motor mounted inside the headstock. Foot lever disengages the tension on the belt to facilitate speed changing. Repositioning of the foot lever automatically retensions the belt. A safety switch is also fitted to the door of the base.

DIMENSIONS AND CAPACITIES

Height to centre*	6 $\frac{1}{4}$ "	159 mm
Will take between centres	36"	915 mm
Height from floor to centres	40"	1020 mm
Diameter turned over handrest	9"	230 mm
Diameter turned with gap bed	18"	460 mm
Width turned with gap bed	7 $\frac{1}{2}$ "	190 mm
Speed of spindle	425, 800, 1400 and 2300 rpm	
Horsepower of motor	1 h.p.	
Speed of motor - 50 cycles	1500 rpm	
60 cycles	1800 rpm	
Morse taper of spindle	No. 3	
Spindle bored	$\frac{3}{16}$ "	20 mm
Morse taper in tailstock	No. 2	
Tailstock bored		12,7 mm
Diameter of inside faceplate	8"	200 mm
Diameter of outside faceplate	14"	350 mm
Capacity of outside turning	5" wide x 22" dia. 9" wide x 17 $\frac{1}{2}$ " dia.	125 x 560 mm 230 x 445 mm
Approx. floor space	72" x 24"	1830 x 610 mm
Approx. net weight	400 lb.	180 kg
Approx. shipping dimensions	40 cu. ft.	1,1 m ³

*Note: Machine will swing a maximum of 12 $\frac{1}{2}$ " (317 mm) over bed between centres.



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SALES AND SERVICE
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BURSGREEN machines are manufactured by:
 BURSGREEN (DURHAM) LTD., Fence Houses,
 Houghton-le-Spring, Co. Durham.
 BURSGREEN (COLNE) LTD., Lodge Holme,
 Trawden, Nr. Colne Lancs.