

20in BZB 500 BAND SAW

British Standard Classification No. 12.121.51

**WADKIN
BURSGREEN**



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This machine has been designed to provide efficient Band sawing at the lowest possible cost. Although the smallest and least expensive of the famous Bursgreen range of Band saws, it has all the mechanical features and rigidity that guarantee clean, accurate sawing and long working life. Engineered on sound principles, its construction, allied with the many unique design features have resulted in an exceptionally smooth, free running machine. It is capable of the best class of sawing with a large cutting capacity. To the operator the convenience of access for saw changing, the enclosed working parts entailing the minimum of attention and maintenance, and the all round ease and convenience of operation makes it a very attractive machine to use.



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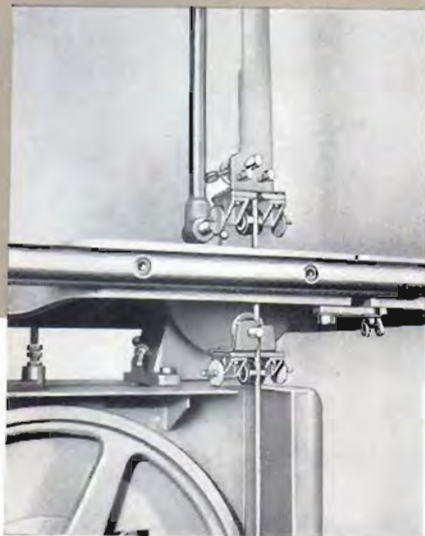


Sealed for life ball bearings
on top wheel.

Hinged doors swing open to
give easy access to saw.

Main frame is a steel fabrication
for strength and rigidity.

THESE FEATURES ENSURE EFFICIENT OPERATION AND RELIABILITY



Special runner spindle assembly.

Two side rollers each side of saw for narrow or wide blades.

The saw guides, the vital feature on any Band Saw, are of advanced design.

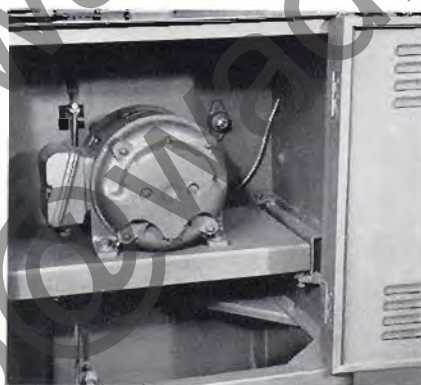
A special runner spindle assembly provides frictionless rigid back support for the blade, whilst adjustable side rollers give maximum support to the sides. Top guide adjusts vertically to suit depth of timber being cut.



Convenient hand wheel blade tension and tracking adjustments for correct saw setting. Scale indicates tension for varying widths of saws.



Fence with rapid and fine rack and pinion adjustment can be supplied for use on either side of blade.



The 2hp motor is enclosed in the main frame. Bottom saw pulley is keyed to the motor shaft giving a positive drive transmitting the full power of the motor.



Powerful foot operated brake acts on bottom saw pulley for bringing machine quickly to rest. Brush keeps pulley rim free from dust.

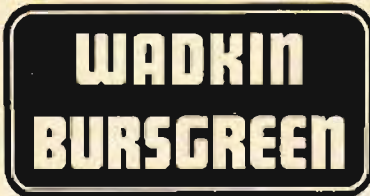


Table cants 45° to right and 10° to the left on a quadrant. Locking handle is brought out to side of table for convenient operation. Scale indicates angle of cant. Adjustable stop locates table at horizontal position.

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THE MAIN FRAME is a built up fabricated steel unit having a large foot area for stability. Two sheet steel access doors completely enclose the machine and blade (except for the portion being used) when the machine is in operation.

THE SAW PULLEYS are made from high grade aluminium alloy and are accurately machined and balanced for true running. They are detachable and interchangeable and fitted with rubber tyres securely vulcanised to the rims. The top wheel revolves on sealed type ball bearings which require no lubrication throughout their entire and very long life. Top wheel adjustment is by handwheel and screw, whilst correct tension to the blade is ensured by the spring loaded slide which is also arranged to cant for tracking purposes. The bottom wheel is securely locked and keyed to the motor shaft on standard model machines. An efficient foot operated brake is fitted, which brings the wheels quickly to rest and with a minimum amount of effort. To keep the rubber tyre free from accumulating sawdust, an adjustable brush is fitted to the bottom wheel. A saw tension indicator is fitted to show correct blade tension.

THE DUST CHUTE is provided in the base of the main frame and is designed to keep the machine free from an accumulation of sawdust in all circumstances and is also most convenient for connecting to a dust extraction plant if desired.

THE CANTING TABLE is of unusually large proportions for a 20in (500mm) machine, being 22 x 24in (560 x 610mm) and surface ground to a high finish. It is arranged to cant up to 45° to right and 10° to left from the horizontal. A graduated scale and efficient hand lever lock are provided.

THE DRIVE. The motor for all three phase supplies is of 2hp totally enclosed fan-cooled, and is enclosed in the base of the machine. A 3hp motor is available as an extra. The bottom saw wheel is directly keyed to the motor shaft thus obviating the need for a belt drive. This motor is controlled by a push button operated direct on contactor starter complete with no-volt and overload releases which is conveniently mounted near the operating position.

THE FENCE with rapid adjustment by hand and fine adjustment by small handwheel can be supplied at extra cost and may be fitted on either side of the saw blade.

THE SAW GUIDES are of completely new advanced design and are fitted above and below the table. These are supplied with a special runner spindle assembly to give support to the back of the blade, and are also fitted with adjustable side rollers to give maximum support to the sides of the blade. The upper saw guide is vertically adjustable according to the thickness of timber being worked.

Specification

| | | |
|-------------------------------|--------------------------|--------------|
| Diameter of saw pulleys | 20in | 500mm |
| Width of saw pulleys | 1½in | 40mm |
| Maximum width of saw | 1in | 25mm |
| Maximum length of saw | 12ft 9in | 3890mm |
| Minimum length of saw | 12ft 2in | 3700mm |
| Maximum depth under saw guide | 13in | 330mm |
| Distance saw to body | 19½in | 495mm |
| Size of table | 22 x 24in | 560 x 610mm |
| Table cants | 45° to right 10° to left | |
| Height of table from floor | 38in | 965mm |
| Overall height of machine | 79in | 2000mm |
| Speed of saw | 5210ft/min | 1590m/min |
| Horsepower of motor | 2hp | 2hp |
| Speed of motor, (50 hertz) | 1000rev/min | 1000rev/min |
| Floor space | 28 x 40in | 710 x 1015mm |
| Net weight | 670 lb | 300kg |
| Gross weight | 920 lb | 420kg |
| Shipping dimensions | 53ft³ | 1.5m³ |



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BURGSEEN machines are manufactured by:
BURGSEEN (DURHAM) LTD., Fence Houses,
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BURGSEEN (COLNE) LTD., Lodge Holme,
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As our policy is constantly to improve the design of Bursgreen woodworking machinery, the details given in this leaflet are not to be regarded as binding.