

Sliding Table Dimension Saw Bench Type BGS



Wadkin
BURSGREEN

Sliding Table Dimension Saw Bench (BGS)

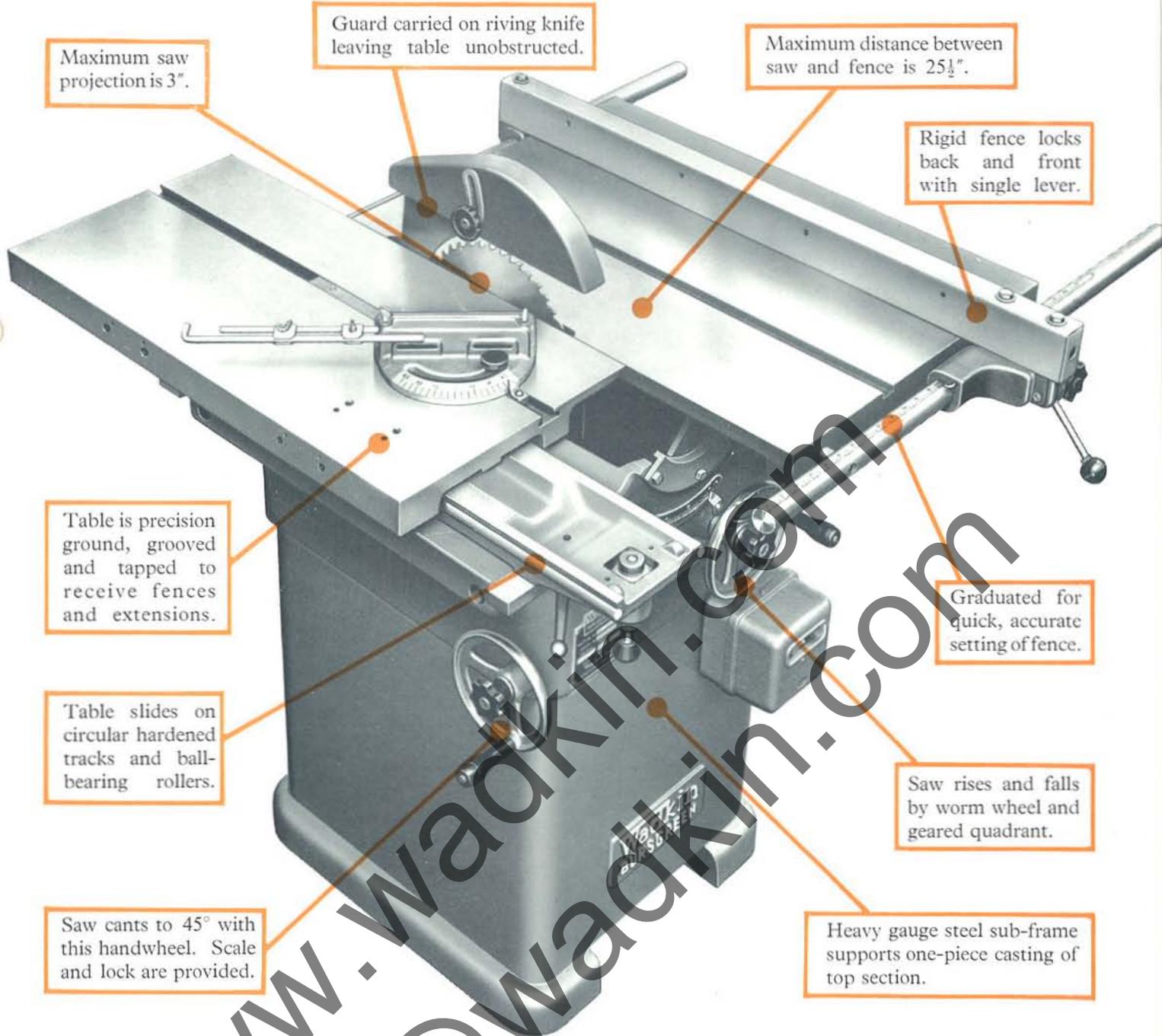
This sliding table saw has been designed to satisfy the big demand for a machine capable of working to precision limits and at fast rates of production. With its tilting saw feature and full range of precision fences and cutting off gauges it will do cross-cutting or ripping, straight and bevel—mitre or compound mitre in hard or soft woods and leave a clean cut on every class of work.

Its many unique features and its high standard of engineering put it far ahead of any saw of its class or price range.

Whether you install it as additional equipment to relieve pressure on a larger dimension saw or to cope with all your production dimension sawing, its all-round convenience and speed of operation will ensure the quick return of its relatively small initial cost.

This extension sliding table with outer floor supports can be supplied to order, to a maximum length cut-off of 80" using turnover stop with stop bar in extreme position. All machines are prepared to receive this table which can be fitted at any time.





Maximum saw projection is 3".

Guard carried on riving knife leaving table unobstructed.

Maximum distance between saw and fence is 25 1/2".

Rigid fence locks back and front with single lever.

Table is precision ground, grooved and tapped to receive fences and extensions.

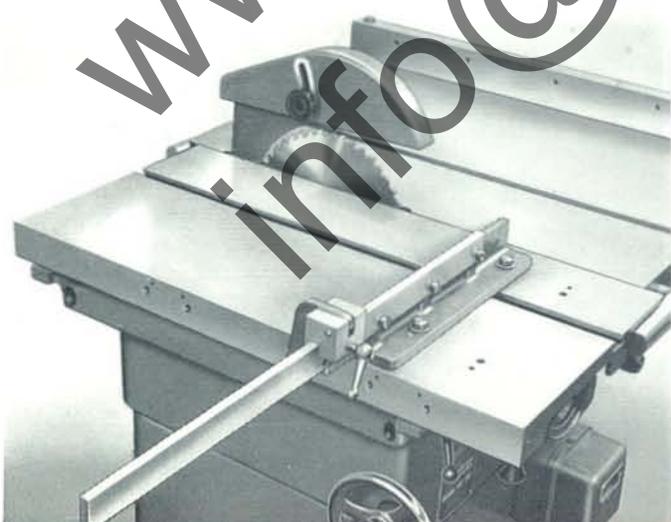
Graduated for quick, accurate setting of fence.

Table slides on circular hardened tracks and ball-bearing rollers.

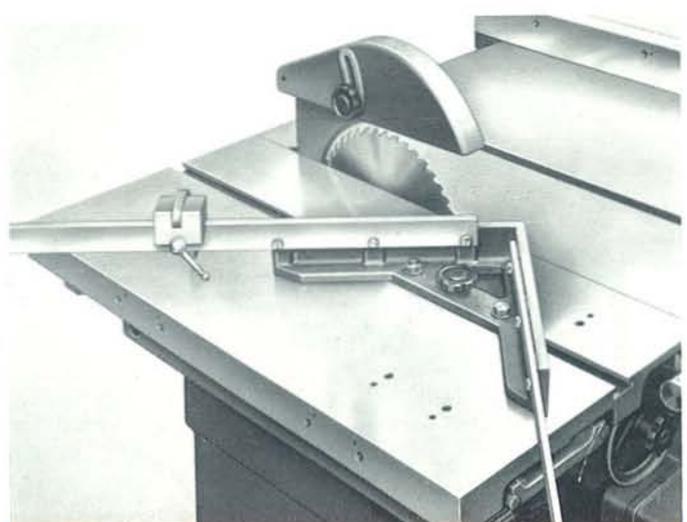
Saw rises and falls by worm wheel and geared quadrant.

Saw cants to 45° with this handwheel. Scale and lock are provided.

Heavy gauge steel sub-frame supports one-piece casting of top section.



STRAIGHT CROSSCUTTING FENCE WITH TURNOVER STOP. MAXIMUM LENGTH CUT OFF USING STOP IS 32". SUPPLIED WITH THE MACHINE



DOUBLE MITRE FENCE WITH STOP BAR AND TURNOVER STOP. SUPPLIED WITH THE MACHINE

CONSTRUCTION

MAIN BODY. The top section is a one piece casting mounted on a heavy gauge fabricated steel sub-base. This assembly rests on heavy cast-iron feet giving adequate area for stability under all working conditions.

THE TABLE. The table is in two sections. Table to right of saw is a fixed unit. It is of deep section, with scientifically positioned ribbing on the underside to prevent springing or warping. Table to left of saw is mounted on a slide. The movement is on two rods and four ball bearing grooved rollers. The tracks are of special steel to give long life. When wear takes place through constant use, this is even all round the track and is readily taken up by simple screw adjustment on the rollers. Sliding table draws back to give access to the saw. Both tables are ground to precision limits for accuracy and smooth finish.

EXTENSION TABLES. Extension tables as illustrated can be supplied to order. All machines are prepared to receive these extensions which can be either supplied with the machine or fitted later.

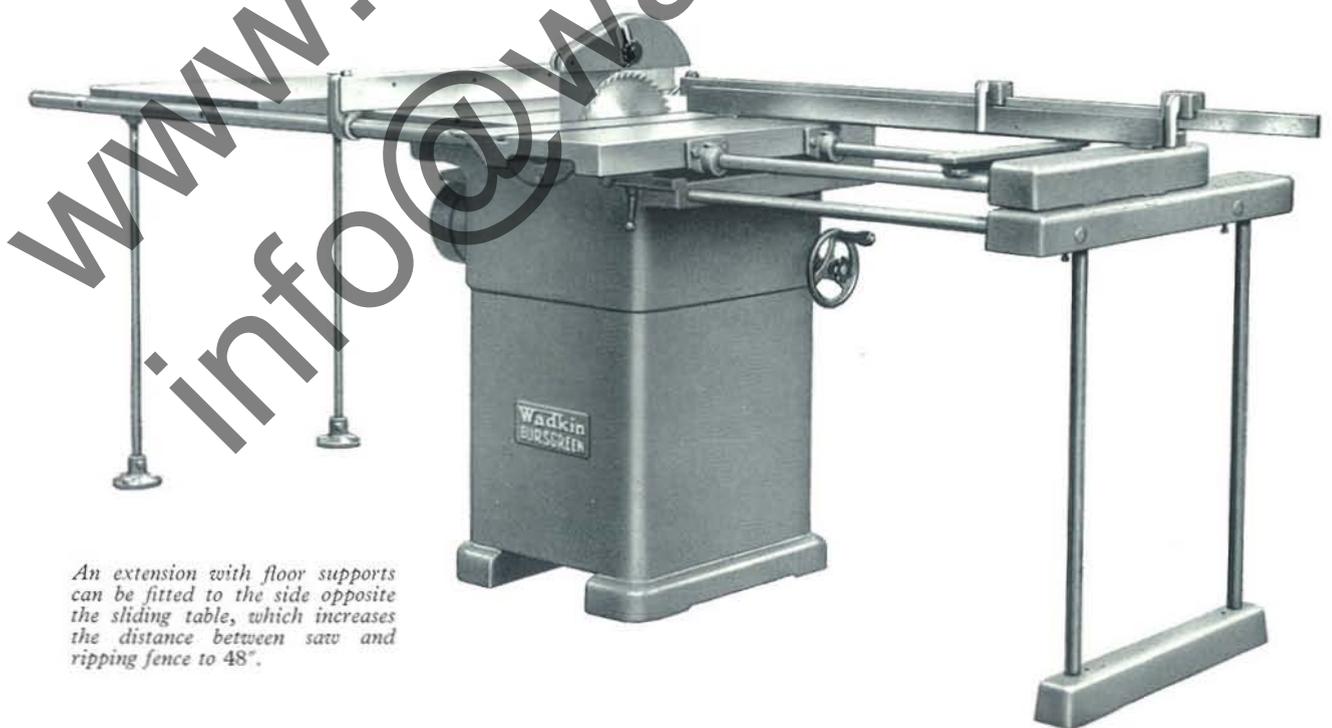
SAW GUARD AND RIVING KNIFE. These are mounted from within the frame so that no overhanging support is required. Both knife and guard are rigid and cant with the saw. Simple but effective fitting permits quick removal when trenching or grooving.

RIPPING FENCE moves on two precision ground circular section guide bars. A single lever operated cam-lock with exclusive alignment feature secures the fence to the bars in one movement. The front bar is accurately graduated for quick setting, and has fine screw adjustment.

CROSS CUTTING AND MITRING FENCES. The machine is provided with a set of two cross-cut fences and a mitre gauge as illustrated, secured either by means of the tee-slot on the sliding table or by holes accurately drilled in the table surface.

SAW SPINDLE is made from alloy steel and is accurately ground. It is fitted with large saw flanges and is mounted on "Sealed for Life" bearings which require no lubrication. Rise and fall movement and canting motions are by worm and geared quadrant operated by large and conveniently placed handwheels with efficient locks. A graduated scale shows the angle of cant.

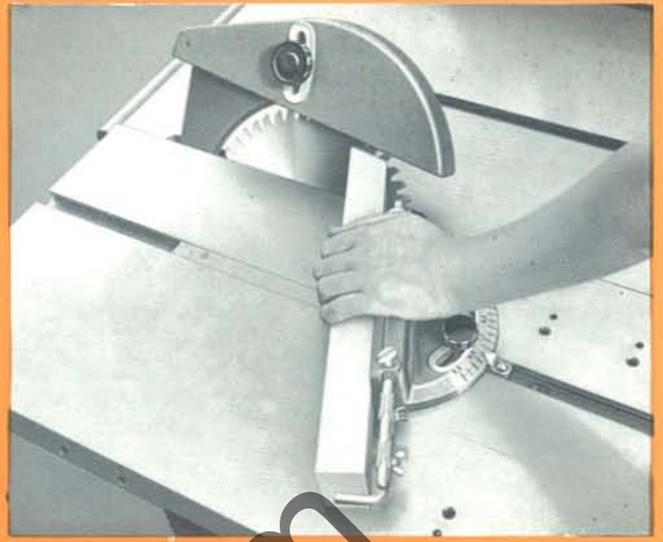
DRIVE from motor to the saw spindle is by three short centre vee belts. Suitable adjustment for tensioning is provided.



An extension with floor supports can be fitted to the side opposite the sliding table, which increases the distance between saw and ripping fence to 48".



STRAIGHT CROSS CUTTING USING FIXED FENCE ON SLIDING TABLE



COMPOUND MITRE CUT, WITH SWIVELLING FENCE SLIDING IN TABLE GROOVE



MITRE CUTTING USING BACK OF DOUBLE MITRE FENCE AND SLIDING TABLE



FRONT OF DOUBLE MITRE FENCE IS USED FOR CUTTING OPPOSITE ANGLE TO THAT ILLUSTRATED ON LEFT



SLIDING TABLE DRAWN BACK TO EXTREME POSITION SHOWS FITTING OF DADO SET



STRAIGHT OR BEVEL RIPPING

SPECIFICATION

Maximum diameter of saw	10"	254 mm.
Diameter, saw arbor	$\frac{5}{8}$ "	20 mm.
Maximum saw projection above table	3"	76 mm.
Maximum sections of cut (standard machine)	15" × 1" 12" × 3"	380 × 25 mm. 305 × 75 mm.
Maximum depth 45° cut	2"	50 mm.
Maximum size of Dado or grooving set	6" × $\frac{13}{16}$ "	150 × 20 mm.
Maximum size of circular cutterblock for moulding	4 $\frac{1}{8}$ " dia. × $\frac{1}{4}$ "	120 × 22 mm.
Speed of saw spindle in r.p.m.	3,850	3,850
Size of table :		
To right of saw (fixed)	20" × 28" deep	508 × 710 mm.
To left of saw (sliding)	14" × 28" deep	356 × 710 mm.
Front of table to saw :		
With maximum depth of cut	13 $\frac{1}{2}$ "	340 mm.
With 1" depth of cut	14 $\frac{1}{2}$ "	370 mm.
Maximum travel of sliding table	16"	406 mm.
Sliding table draws back	2"	50 mm.
Maximum length cut off using stop bar on adjustable mitre gauge	26"	710 mm.
Maximum length cut off using straight fence with stop bar	32"	810 mm.
Maximum distance, saw to rip fence	25 $\frac{1}{2}$ "	650 mm.
Travelling extension table :		
Overall length to left of saw	44"	1118 mm.
Maximum distance saw to stop with bar in extreme position	80"	2030 mm.
Fixed extension table to right of saw—		
Maximum distance, saw to rip fence	48"	1220 mm.
Floor space, standard machine	47" × 48"	1190 × 1220 mm.
Floor space, with travelling extension table— *Add 36" to end of stop bar in maximum position	*71" × 48"	1800 × 1220 mm.
Floor space with fixed extension table	71" × 48"	1700 × 1220 mm.
Net weight, standard machine	500 lb.—4 $\frac{1}{2}$ cwt.	230 kg.
Gross weight, standard machine	700 lb.—6 $\frac{1}{2}$ cwt.	320 kg.
Shipping dimensions, approx.	28 cu. ft.	.8 cu. m.
Net weight sliding extension table	117 lb.—1 cwt.	53 kg.
Net weight fixed extension table	50 lb.— $\frac{1}{2}$ cwt.	23 kg.

Details included in the Price : Adjustable saw guard, riving knife, ripping fence, swivelling mitre fence, double mitre fence, straight cross-cut fence, two interchangeable stop bars with two turnover stops, saw spanner, electric motor and starter complete with internal wiring.

Code Word : BGEES.

SALES & SERVICE

Wadkin Ltd.

Green Lane Works, Leicester

BURGREN machines are manufactured by :

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Houghton-le-Spring, Co. Durham.

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