

OPERATORS MANUAL FOR 42" & 68" FINE TURF SLITTERS

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1.0 General Information

The Allett range of fine turf slitters have been manufactured to give a cost effective and reliable service. The products have been designed in conjunction with Green Keepers and Groundsman to give the professional user the features that are needed in order to produce the required results.

The manual covers the following products : -

42" SLITTER – A turf slitter consisting of two independently mounted drums. Each drum has 24 knives with a maximum penetration of 2 inches. The machine is 3 point linkage mounted.

68" SLITTER – A turf slitter consisting of three independently mounted drums. Each drum has 24 knives with a maximum penetration of 8 inches. The machine is 3 point linkage mounted.

These models are considered to be of a very similar type and style of operation and therefore one manual has been written to cover all models.

2.0 Intended Use for the Product

These products are only intended for the use on professional turf areas. The equipment may only be used on green grass foliage and horticultural loam based soil structures. Use on any other substance/medium or for any other purpose is prohibited, and may injure the operator, bystanders and could damage the machine and will invalidate the warranty. Liability will not, under any circumstances, be accepted for misuse, abuse or neglect of or in connection with the product.

3.0 Safety

Throughout these instruction additional safety reminders are made for the added benefit of all, however the following points must always be adhered to.

3.1 When working with the equipment, the first and most important consideration of the operator, mechanic or any other person must be SAFETY of ones self and others. Safe working practice must be implemented at all times.

3.2 The equipment and power unit (tractor or truckster) must be made safe before any adjustment or repair is made – no exceptions.

3.3 To make the equipment safe to work on : -

- + Place the machinery in a safe environment.
- + Stop the engine of the tractor or truckster.
- + Apply the parking brake.
- + Ensure the transmission in neutral
- + Lower the Allett equipment to the ground or prop on load tested stands.
- + Work with an assistant, i.e. to move components.
- + Find out how to carry out a repair before starting.

3.4 Do not lift this equipment by hand. Always use lifting equipment to move this product.

3.5 The area of operation must be clear of all obstructions, hazards and bystanders.

3.6 Operation of this equipment may represent a Health & Safety Risk – implement a safety risk assessment prior to use.

3.7 Left and Right hand sides are viewed facing in the direction of travel (this equipment is trailed behind the tractor or truckster).

3.8 For best results it is important that this equipment is maintained correctly. Neglecting to service and maintain the equipment is a safety risk.

3.9 Never leave tines or blades unguarded.

3.10 Equipment should be connected to a tractor or truckster to carry out maintenance or repair (to maintain stability of the equipment).

4.0 Specifications

	WEIGHT Kg	LENGTH mm	HEIGHT mm	WIDTH mm	TINES No.of
42" SLITTER	99	490	760	1170	48
68" SLITTER	216	710	790	1780	72

5.0 Build Up Instructions

Allett Equipment is shipped in a semi assembled condition and will require a Pre Delivery Inspection (PDI) to ensure it is fully functional and in safe condition.

42" SLITTER – Is shipped in an assembled condition. The 3 point linkage connection points and pins are provided, however they may require fitment into the alternative holes provided to provide for the optimum setting for the tractor. Occasionally the tines may be removed for shipment. Ensure that the tines are installed so that when towed in the direction of travel they 'stab' into the turf with the knife tip, rather than 'cut' into the turf with the knife edge. The guardrails bolt onto the frame with the bolts provided. A diagram is provided in the parts list.

68" SLITTER – Is shipped in an assembled condition in its tractor mounted form. If a truckster frame is required this will require connection to the 68" Slitter using the 3 point linkage connection points and pins provided. A 'G' connector hooks over the truckster frame and is connected by a pin into the top link clevis of the 68" Slitter frame.

Occasionally the tines may be removed for shipment. Ensure that the tines are installed so that when towed in the direction of travel they 'stab' into the turf with the knife tip, rather than 'cut' into the turf with the knife edge. The guardrails bolt onto the frame with the bolts provided. A diagram is provided in the parts list.

6.0 Operation

The Allett product range has been designed to give simple and effective operation. The linkage mounted equipment relies on the tractor or trucksters main lift linkage feature – Position Control. This is the feature of all tractors and trucksters that allows the operator to lower the lift linkage to a required height and then stop the linkage at this point.

NOTE

Operation of equipment may represent a Health and Safety risk – it is the responsibility of the site manager to implement a risk assessment prior to use.

42" SLITTER – The equipment should be lowered into the ground to the required knife depth. Ground conditions may effect the knife penetration. It is recommended that the 42" Slitter is only used when the ground conditions are soft, to allow easy penetration into the soil structure/root zone.

68" SLITTER – The equipment should be lowered into the ground to the required knife depth. Ground conditions may affect the knife penetration. It is recommended that the 68" Slitter is only used when the ground conditions are soft, to allow easy penetration into the soil structure/root zone.

NOTE

When operating any of this equipment the area must be cleared of all obstructions and bystanders. It is the responsibility of the operator/site manager to ensure that all under ground obstructions are identified and avoided. Allett Mowers will not accept claims for damage or liability caused by striking under or over ground obstructions, pipes, cables or any other item including living beings.

7.0 Adjustments

The only operational adjustment that can be made to this equipment is the depth of penetration. The 42" and 68" Slitter's working depth is controlled by the tractor or truckster linkage controls. Refer to the tractor or truckster operator's manual.

NOTE

When carrying out the adjustment observe the prevailing safe working practice and ensure there are no bystanders within 2 meters (6'6") of the equipment.

8.0 Maintenance

The Allett product range has been designed for ease of maintenance, however it is not maintenance free. Use the following list as a guide for servicing requirements. This list is not exhaustive, and does not negate the responsibility of the owner/operator to assess the condition of the machine and its components for wear, damage or unsafe conditions.

8.1 Daily Maintenance

The equipment must be inspected prior to each work period for signs of damage or deterioration, check for : -

- a) Blade fixings are tight - tighten fasteners if loose.
- b) Blade straightness/damage - renew if bent or damaged.
- c) Grease all bearings - 1 pump of grease per bearing.
- d) Check safety guards & rails are in place - renew if damaged, bent or missing.
- e) Check the frames & linkages for damage or wear - repair or renew if damaged, bent or missing.
- f) Check the drum shaft bearings - renew if worn.

8.2 Annual Maintenance

- a) Renew the blades if worn -
- b) Blade straightness/damage - renew if bent or damaged.
- c) Check all bearings for wear - renew if in doubt.
- d) Grease all bearings - 1 pump of grease per bearing.
- e) Check safety guards & rails are in place - renew if damaged, bent or missing.
- f) Check the frames and linkages for damage or wear - repair or renew if damaged, bent or missing.
- g) Tighten the main shaft nuts

NOTE

Safe working practice must be applied whenever any maintenance is carried out on this equipment. See section 3.0 Safety of this manual.

9.0 Help – Contacts

For service or technical information please contact : -

Allett Mowers Ltd.
Baden Powell Road
Kirkton Industrial Estate
Arbroath
Scotland
DD11 3LS

Phone (44)(0) 1241 437740
Fax (44)(0) 1241 431715
Email - technical@allett.co.uk
Website – www.allett.co.uk

OR

Your supplying Dealer (Dealer please stamp here) : -

10.0 Environment

This equipment has been designed with the environment in mind. Where ever possible Allett Mowers has used the minimum amount of materials to the best effect. Quality has not been compromised and yet effectiveness has been enhanced by this policy.

It is the responsibility of the owner/operator to ensure that all components are disposed of in an environmentally conscientious manner. Approved disposal sites must be used at all times. If a recommended site is not available please return the item, carriage paid, to Allett Mowers, by a safe and clean method for disposal.

Suggested disposal methods : -

Cardboard : paper mill collection point.
Timber : reuse for other applications.
Plastic : local authority disposal point.
Metal : scrap collection service for recycling.

NOTE

Allett Mowers has an environmental Policy Statement and participates 'good environmental practice'. Please ask for a copy of our environmental policy if this subject is important to you and your organisation.

11.0 Warranty

The warranty only applies to items of Allett manufacture that fail due to faulty workmanship or materials within the warranty period of 90 days from the date of purchase.

THE WARRANTY COVER

11.1 Manufacturing or assembly defects in whole goods that become apparent during the acknowledged warranty period, provided a completed warranty registration has been returned to Allett within 14 days of sale.

Failure to register the machine with Allett Mowers will invalidate the warranty.

11.2 Manufacturing defects in genuine service parts apparent within three months of purchase provided they are fitted to a standard Allett machine by a competent mechanic.

11.3 Claims must be submitted within 30 days of repair. Claims outside this time will be rejected.

NOTE

A warranty authorisation number is required for all claims. Fax on (44)(0) 1241 431715 for authorisation – Allett may be able to provide additional information to aid your repair, and it will warn us of any problems. Please provide a brief description of the failure and the machine serial number.

WARRANTY DOES NOT COVER

11.4 Drive belts, blades, knives and tines are the responsibility of the customer in all cases.

11.5 Oils and lubricants are the responsibility of the customer in all cases.

11.6 The warranty does not cover abuse, misuse, accidental or unintended damage to the equipment. Nor does it cover fire, theft or vandalism. Claims that result from a lack of maintenance or incorrect application or adjustment of the equipment will not be accepted.

11.7 Failure due to chemical attack i.e. fertilizer, or unfair wear and tear are not covered by this warranty.

11.8 Liability for consequential or third party losses or any other costs/claims will not be accepted by Allett under this warranty. This does not affect your statutory rights.

11.9 Failure where the equipment has been modified or changed in any way from the Allett specification or where non genuine parts of an inadequate quality have been fitted will not be covered by this warranty.

11.10 The warranty does not cover un-approved accessories, nor for failures resulting from the fitment or use of these accessories.

11.11 Costs incurred in transportation or traveling expenses incurred as a result of any failure.

11.12 Parts or third party repairs, for which an Allett part number or a copy invoice cannot be produced, will not be accepted.

11.13 The warranty will not apply if the type or serial numbers have been altered, removed or made illegible in any way.

11.14 Failure due to fair wear and tear.

APPENDIX 1
Pre-Delivery Inspection Sheet (PDI)

Machine Make.	Serial No.	
Machine Type.	Type No.	
Machine Model.	Model No.	
Engine	Oil Level	Fan Belts
	Coolant Level	Antifreeze
	Wiring Routs	Control Operation
	Starting	Idle Running
	Fast Running	Stopping
	Hardware	Filters
	Leaks	
Drive	Oil Level	Belt Tension
	Belt Routing	Hardware
	Leaks	Operation
Hydraulic	Oil Leaks	Filter Tight
	Leaks	
Electrical	Battery Acid	Battery Fixing
	Visual Wiring	Electric Operation
	Safety Switch	
Chassis	Hardware	Axle Fixing
	Wheel Fixing	Tyre Pressure
	Tyre Condition	
Cutters	Bearings	Belts
	Pulley Line	Blades
	Adjusters	Hyd. Motor
	Wheels/Rollers	Frame
	Cylinders	Guards
General	Opp. Book	Tool Kit
	Clean	Options Fitted
	Visual Check	Grease All Points
	Paint Work	Good Operation
	Safety Guards	Safety Switches
Options	Bearings	Framework
	Belts	Pipes
	Grease	Oil Levels
	Paint Work	Hardware
	Operation	

APPENDIX 111
Parts Lists

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42" SLITTER

Drawing 01

<i>ITEM</i>	<i>PART No.</i>	<i>DESCRIPTION</i>	<i>QTY</i>	<i>NOTES</i>
1	RTS 1604	Frame	1	
2	RTS 1601	Guard	2	
3	RTS 35556	Nut	12	
4	RTS 35551	Washer	12	
5	RTS 1602	Spacer Tube	10	
6	RTS 1603	Disc	12	
7	RTS 36991S	Bolt	96	
8	RTS 35536	Nut	96	
9	RTS 1600	Knife	48	
10	RTS 1605	Bearing	4	
11	RTS 9321	Rivet	AR	
12	RTS 1628	Nut	2	
13	RTS 36956	Grub Screw	2	
14	RTS 1606	Shaft	2	
15	RTS 37321S	Bolt	8	
16	RTS 1621	Nut	2	
17	RTS 1622	Washer	2	
18	RTS 1610	Pin	2	
19	RTS 9627	Lynch Pin	2	
20	RTS 9626	Pin	1	
21	RTS 9627	Lynch Pin	1	

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68" SLITTER

Drawing 01

<i>ITEM</i>	<i>PART No.</i>	<i>DESCRIPTION</i>	<i>QTY</i>	<i>NOTES</i>
1	RTS 1607	Frame	1	
2	RTS 1608	Guard	3	
3	RTS 35556	Nut	16	
4	RTS 35551	Washer	16	
5	RTS 1609	Spacer Tube	15	
6	RTS 1611	Disc	18	
7	RTS 35576	Nut	144	
8	RTS 37531S	Bolt	144	
9	RTS 1620	Knife	72	
10	RTS 1617	Bearing	6	
11	RTS 9321	Rivet	AR	
12	RTS 1616	Nut	3	
13	RTS 36966	Grub Screw	3	
14	RTS 1612	Shaft	3	
15	RTS 37321S	Bolt	8	
16	RTS 1615	Nut	2	
17	RTS 1614	Washer	2	
18	RTS 1610	Pin	2	Use RTS1613 With Headstock
19	RTS 1613	Pin	1	
20	RTS 9627	Lynch Pin	3	
21	RTS 37341B	Bolt	8	
22	RTS 9611	G Bracket	1	Used With Headstock