

# FLATLINER 500

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PROFIT THROUGH INNOVATION



**Flatliner 500** - A range of soil looseners offering maximum soil shatter with minimum surface disturbance and low draught.

# Soil loosener and consolidation system

## WHY SUBSOIL?

**Healthy root growth, often in excess of 1m, is essential for profitable crop yields.**

Loading soils with heavy equipment can rapidly form an impermeable layer at depth, severely reducing the root growing zone. In addition the vital capillary action within the soil is impeded resulting in poor drainage, and possible water logging, in wet conditions. Poor aeration in both situations further compounds the problem.

A suitable loosening operation is a vital element in good soil management.

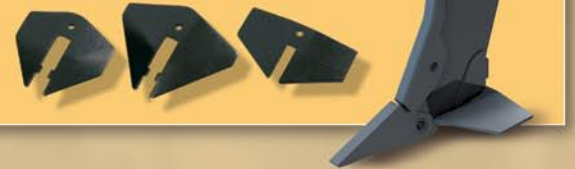
## SELECTION CRITERIA

Decide on the appropriate working depth, which should be just below the problem area, always working as shallow as possible. Time and money are often wasted subsoiling to a greater depth than is necessary.

Ensure that the machine produces a firm level surface, which requires the minimum of preparation for a seedbed. Avoid clod formation and ensure moisture is conserved. In field situations, with incorporated straw, this method also has the benefit of ensuring good soil/straw contact.

Decide upon the tine spacing – this generally equates to between 1.5x and 2x the working depth, depending on speed and soil moisture. Assess the requirement for wings to ensure that the implement is operating above its critical depth as below this soil is no longer lifted and shattered. Fit wider or more aggressive wings as required to give effective structuring of the soil profile.

A choice of three wing widths are available to suit varying soil and moisture conditions. Replacement of the point and shin are via one roll pin saving downtime. Bolt on depth wheels are available as an optional extra.



## FEATURES OF THE FLATLINER RANGE

- The Simba Flatliner range is manufactured from 150mm x 150mm RHS in 'V' frame configuration.
- The tines, which are 25mm thick are manufactured from high tensile steel and are shear bolt protected.
- The tine clamps are adjustable along the main beam offering variation in tine spacing to suit specific applications.
- Depth control is controlled via the rear DD roller, which is 600mm in diameter and standard across the range.



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## SPECIFICATIONS

MODEL	3.0m	3.5m	3.8m	4.2m
Working Width (mm)	2610	3150	3615	3930
Transport Width (mm)	2940	3480	3945	4260
Weight (kg) DD600 Configuration	1650	2130	2530	2630
Tines Qty / Spacing (mm)	3 / 870	5 / 630	5 / 720	7 / 560
Power Requirement (Hp)	130-150	140-200	140-200	190-260

Simba's policy is one of continuous improvement and the right to change prices, specifications or equipment at any time without prior notice is reserved. All data given in this leaflet is subject to production variations. For exact information about any particular model and for equipment details, please contact your Simba supplier

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