

TECHNICAL SPECIFICATIONS

Width	Ring Size	Cambridge only			Cambridge and Breaker		
		500mm 8 Spoke	550mm 9 Spoke	600mm 10 Spoke	510mm 8 Spoke	560mm 9 Spoke	620mm 10 Spoke
Working - 4.5m Transport 2.46m	Weight Kg Rings	1990 57	2230 57	2542 57	2260 87	2540 87	2990 87
Working - 5.4m Transport 2.46m	Weight Kg Rings	2430 69	2730 69	3164 69	2690 105	3100 105	3456 105
Working - 6.3m Transport 2.46m	Weight Kg Rings	2840 78	3250 78	3617 78	3140 123	3710 123	4442 123
<i>Wheels 10.0 / 75 x 15.3 - 10ply</i>		<i>*Wheels 11.5 / 80 x 15.3 - 10ply</i>					
Working - 7.3m Transport 2.46m	Weight Kg Rings	3520 90	3860 90	4273 90	3840 143	4430 143	4872 143
Working - 8.2m Transport 2.46m	Weight Kg Rings	3840 102	4100 102	4645 102	4190 157	4700 157	5528 157
<i>Wheels 11.5 / 80 x 15.3 - 10ply</i>							
Working - 9.5m Transport 2.46m	Weight Kg Rings	4740 118	5030 118	5662 118	5180 180	5770 180	6730 180
Working - 10.2m Transport 2.46m	Weight Kg Rings	5020 126	5310 126	5650 126	5690 196	6220 196	6850 196
<i>Wheels 400 / 60 x 15.3 - 14ply</i>							
Working - 12.3m Transport 2.7m	Weight Kg Rings	N/A N/A	N/A N/A	N/A N/A	N/A N/A	11900 236	12600 236
Working - 15.3m Transport 2.7m	Weight Kg Rings	N/A N/A	N/A N/A	N/A N/A	N/A N/A	14250 292	N/A N/A
<i>Wheels 710 / 40 R22.5</i>							
Working - 12.3m Transport 3m	Weight Kg Rings	7480 150	8020 150	9003 150	8560 236	9310 236	10020 236
Working - 15.3m Transport 3m	Weight Kg Rings	9070 187	9590 187	10550 187	9880 292	10820 292	11770 292
<i>Wheels 500 / 50 x 17 - 18ply</i>							
Working - 16.3m Transport 3m	Weight Kg Rings	9330 199	9840 199	10937 199	10270 306	11280 306	12290 306
Working - 18.3m Transport 3m	Weight Kg Rings	10340 223	11140 223	12599 223	11680 346	12820 346	14240 346
Working - 20.3m Transport 3m	Weight Kg Rings	13090 248	14240 248	N/A N/A	14360 386	N/A N/A	N/A N/A
<i>Wheels 560 / 45 R 22.5 - 152D</i>							

All models use 60mm high quality spring steel axles.

Width	No. of Tines	SHATTA BOARD WEIGHT kgs	
		with lock	without lock
4.5m	18	425	370
5.4m	22	504	440
6.3m	24	664	590
7.3m	28	716	630
8.2m	32	907	810
9.5m	38	992	880
10.2m	40	1065	945
12.3m	48	1011	980
15.3m	60	1251	1220



SHATTA BOARD TINE
10mm X 80mm

YOUR LOCAL HE-VA DEALER

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Lincolnshire, PE10 9LA
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Fax: 01778 425080
Email: ask@opico.co.uk
Web: www.he-va.co.uk

Due to our company policy
of continual improvement
we reserve the right to
change specifications and/
or prices without prior
notification.

HE-VA Rolls

Our widest ever range
covers every need



HE-VA
distributed by **OPICO**

A comprehensive range of Rolls for all conditions

Switch to HE-VA Rolls technology to reduce your workload and costs whilst improving effectiveness.

If you mention the name HE-VA to most UK farmers the first machine they think of will be Rolls!

HE-VA have been manufacturing agricultural rolls for approximately 40 years, their experience and knowledge in designing and building the best machines money can buy is second to none.

Every model from 4.5m to 20.3m incorporates many clever features ensuring the rolls give even consolidation across the full working width. By switching to HE-VA Rolls technology you can speed up the consolidation process and reduce costs. On Tip Rollers HE-VA offer a Shattaboard, Shattaboard with slicing plates or front tines to turn their rolls into an all round cultivator. Coupled with a wide choice of ring types this means you can specify the right machine to suit any type of land.

CHOOSE YOUR RING PROFILE



HE-VA Rolls are available with a choice of ring types. All carefully designed to cope with today's higher machine weights but retain the time-proven qualities of traditional ring engineering, the range includes new multi-spoke developments created to meet customer demand and changing farming methods.

HE-VA TIP ROLLER - 3 Section 4.5m to 10.2m



HE-VA have one of the largest agricultural rolls ranges on the market and the 3-Section Tip Roller makes up approximately 60% of all HE-VA Rolls sold in the UK.

The same clever tip roller design is used across the range of sizes. However the frame is strengthened on the larger models. A heavy duty frame is used for 4.5m to 6.3m models, an extra heavy duty for 6.3m to 8.2m models and an extra heavy duty for 9.5m and 10.2m models.

A full range of Shattaboards is available to fit all Tip Rollers, turning each set of rolls into a cost effective cultivator.

From shed to field the driver doesn't need to leave the tractor cab as the rolls can be put to work in seconds simply and safely straight from the tractor seat. Just pull into the field, unfold using the tractor hydraulics and you are ready to go. Folding is just as simple, each 3-Section machine folds up to 2.5m (2.7m for 9.5 and 10.2m machines), each wing section locks into a transport cradle once in the fully folded position increasing road transport safety and giving peace of mind that they stay where they should at all times.

TIP ROLLER - 3 Section

4.5m to 10.2m working widths, available with a variety of ring options. Shattaboards are available for all 3 section machines.

TIP ROLLER XL - 5 Section

12.3m and 15.3m working widths, available with a variety of ring options, Shattaboards or front tines are available for the TIP Roller XL.

KING ROLLER - 5 Section

12.3m to 20.3m working widths, available with a variety of ring options, Shattaboards are not available for the King Roller.

Unrivalled contour following ensures full width cultivation



All models of TIP ROLLER have 5 pivot points across their working width and each wing section can pivot centrally and move independently from the main frame allowing the rolls to adapt and follow the contours no matter how undulating the ground may be.

One of the key features of HE-VA's Tip Roller is its SAT, Spring Active Transfer System. Unlike other machines HE-VA Rolls spread their weight evenly across their full working width.

All in one action

Firming and levelling with clod crushing and slicing as well as full width rolling action – that's real power in action.

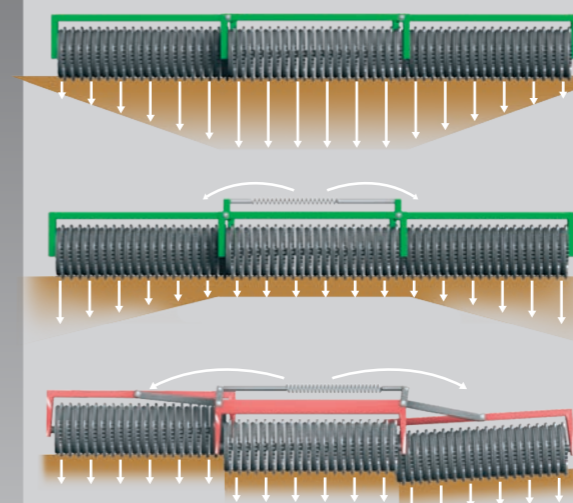
UNIQUE SAT SYSTEM - Spring Active Transfer



3 section rolls with contour flexing chassis, centre pivoting wings, and the unique SAT - 1400kg to 3800kg automatic weight transfer system.

AUTOMATIC WEIGHT BALANCING

Rolls without HE-VA automatic weight balancing tend to exert the highest ground pressure on the centre roller section. This roller section carries the weight of the drawbar, wheel frame and hydraulics as well as its own weight, far more than the two wing sections.



1 With a basic roller set up there is no weight transfer resulting in uneven weight distribution.

2 Even with a basic sprung weight transfer system the hinges at either end of the central section prevent weight being spread evenly.

3 The HE-VA SAT system is spring loaded and as the outside roll sections are attached with centre pivot hinges, weight is transferred evenly across the full width of the rolls.

Build quality, and attention to detail



Built-in Strength

Rings are mounted on 60mm axles for strength and longevity. These axles run on 4 bolt bearings protected inside u-profile steel.



Extra Support

The axles on the wing sections of the 8.2, 9.5, and 10.2m Tip Rollers have a centre bearing as an additional support.



3 Section Hinge

The folding mechanism has a deep wing link pivot with Teflon coated steel bushing top and bottom to provide strength for cultivation as well as rolling.



Noise Reduction

The HE-VA 3 section Rolls design supports the side section horizontally in a positive locking cradle reducing noise when travelling.



Improved Stability

In the completely folded position, the weight of the rings is carried between the tractor and transport wheels, improving stability.



Air-seeder ready

Optional air seeder mounting framework allows the OPICO Variocast or HE-VA Multi Seeder to be fitted for seeding Oilseed Rape, Stubble Turnips, Grass Seed and other small seeds or granules.

Folding Sequence 3 section Tip Roller



Rolls in transport position



Lift wings off transport cradles



Swing the side section into working position



Tip the side sections



Tip the Rolls forward until the cylinder bottoms



The HE-VA Rolls are ready to work

Add a Shattaboard for time and cost-saving one-pass cultivations

Available for all TIP Roller 3 section Rolls – from 4.5m to 10.2m

This is where your cost savings start. The Shattaboard transforms your HE-VA Rolls into an all-round implement. Work as you roll – level, press plough furrows and crush clods, all in one pass.



Cultivate, prepare a seedbed, or just consolidate to conserve moisture! Flexibility is the key.

SHATTABOARD

The spring mounted Shattaboard crushes clods and has an excellent levelling effect. The angle of the boards can be adjusted hydraulically from the tractor seat to suit the land conditions on the day. Each spring is 10mm x 80mm and gives wide surface coverage with 150mm wide hardened points.



SLICING PLATES

The highly successful Shattaboard has been improved further with the addition of 'knives' to the spring-loaded blade increasing the slicing and clod breaking effect on heavier ground. These blades can also be adjusted for angle of attack, hydraulically, as with the Shattaboard.



LOCKING DEVICE

The blades can work individually but the levelling effect is increased with the addition of the optional locking bars to convert the individual springs into a complete 'board' for full width action.



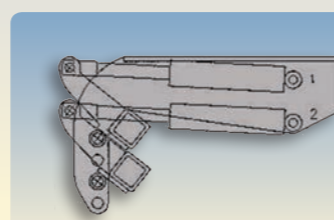
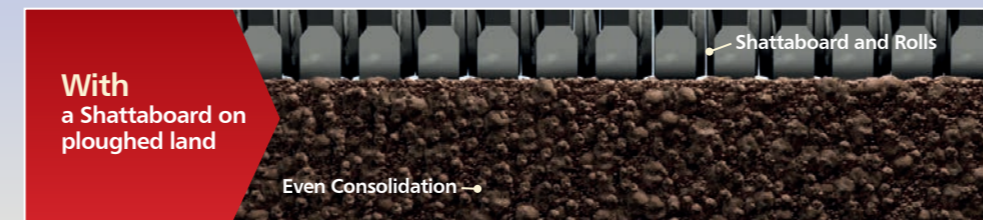
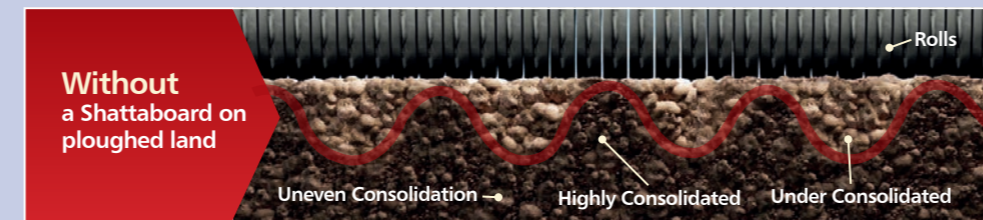
The Shattaboards can be quickly and easily retracted for rolling seedbeds



A winning combination

Whichever combination of cultivation tool and ring you choose, the HE-VA Rolls system gives you the opportunity to produce the perfect tilth at less cost.

Why you need a Shattaboard.



2 or 3 close coupled mounting brackets per Shattaboard section provide optimum strength.



HE-VA TIP ROLLER XL - 5 Section 12.3m to 15.3m

The 5 section TIP Roller XL features a heavy duty frame which allows full floatation and centre pivoting on each section. Furthermore it incorporates the HE-VA SAT weight transfer system to distribute the frame weight evenly across the full width.



Shattaboard and/or Tines

Shattaboards or straw harrowing tine can be fitted to the TIP Roller XL allowing it to be used as a cultivator or stubble rake as well as a roller.

The HE-VA Tip Roller XL meets the demand for wider rolls, with the ability to cultivate and level.

A strengthened double frame design allows shattaboards or harrow tines to be fitted on 12.3m and 15.3m working width rolls across five contour following sections. The shattaboards are hydraulically adjustable from the tractor seat so settings can be easily altered from the cab as soil type and conditions vary, ensuring that the soil is evenly levelled and consolidated, whilst also breaking down clods to a tilth. Shattaboards can also be fully retracted to use the rolls on their own.

The twin row of 16mm harrow tines working in front of the rolls also offer a great solution where customers want to harrow stubbles after harvest to destroy slug eggs or chit blackgrass and other weed seeds.

UNIQUE SAT SYSTEM - Special Active Transfer



Like other models in the HE-VA range the TIP Roller XL employs hydraulic Special Active Transfer (SAT) system to transfer frame weight evenly to all 5 sections ensuring even rolling.

Folding Sequence 5 section TIP Roller XL



Rolls in transport position, wheels down



Unlock wings



Swing the wing sections out



Wheel ram cylinder engaged - wheels lifted back and up



Wing sections tipped forward



The HE-VA Rolls are ready to work

HE-VA KING ROLLER - 12.3m, 15.3m, 16.3m, 18.3m and 20.3m

Now even wider to cover more ground faster



Supreme contour following ensures consistent, high quality results across the field

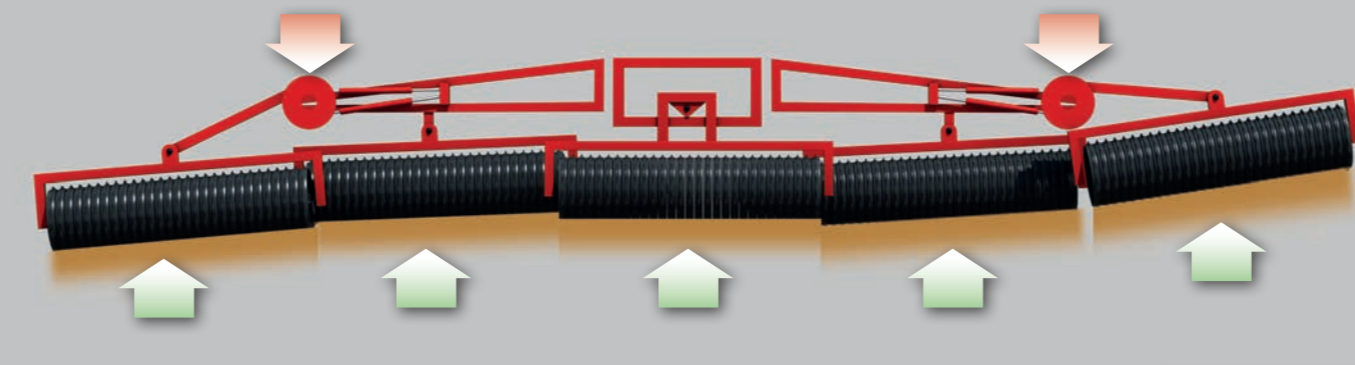
With working widths of 12.3m, 15.3m, 16.3m, 18.3m or 20.3m the new HE-VA King Roller meets the increasing demand for wider and heavier rolls.



IMPRESSIVE PRODUCTIVITY

A 15.3m set of Rolls travelling at 6km/hr with a driver driving at 90% field efficiency will cover **8.25ha or 21 acres per hour**

Independent Floatation and 7 Pivot Points



The five centre pivots, two folding pivots and the pivoting drawbar eye allow individual sections to follow the ground contours. The floating inner links, which join the outer wing sections to the main frame, allow all five sections to float completely independently, providing the best possible contour adaptation.



The King Roller frame also incorporates HE-VA's Special Active Transfer (SAT) weight transfer system. The additional central support bearings on each roll support section ensure the axles are not placed under excessive stress.

Unique SAT System

The King Roller's Hydraulic Folding System is linked to two accumulators and a hydraulic pressure gauge. The pressure gauge allows the operator to set the amount of weight transfer to ensure even consolidation across the full width. The accumulators act as an oil buffer when the rolls are travelling over uneven ground and the hydraulic rams need to extend or shorten to allow the rolls to follow the contours.



Available with a variety of ring sizes from 20" to 24", the King Roller quickly folds down horizontally to a transport width of 3m.



5 Reasons to Choose a HE-VA King Roller

- 1 HYDRAULIC SAT SYSTEM**
SAT allows the operator to ensure the Rolls weight is distributed evenly across the working width.
- 2 INDEPENDENT FLOATATION AND 7 PIVOT POINTS**
A centre pivot on each section and two more folding pivots on the outer sections allow floating and pivoting. The result is superb contour following.
- 3 HEAVY-DUTY DESIGN**
Built to withstand high workloads, the HE-VA King Roller is also heavier than most other like-for-like rollers, ensuring a better finish.
- 4 3M TRANSPORT WIDTH**
The King Roller folds down quickly and neatly to 3 metres for ease of road transport.
- 5 LIGHTS AND HYDRAULIC BRAKES AS STANDARD**
Ensure you are legal and safe when on the road.



- Options**
- Air brakes are available in lieu of hydraulic brakes. (factory fit only)
 - Cambridge only rings can be fitted instead of the standard Cambridge and Breaker rings.

Folding sequence King Roller

- 1** Rolls in transport position, wheels down
- 2** Open hydraulic transport locks
- 3** Swing the wing sections out
- 4** Wheel ram cylinder engaged – wheels lifted forward and up
- 5** Outside wing cylinders extending
- 6** The HE-VA Rolls are ready to work



From 12.3m to 20.3m

