

# HE-VA

## Front-Roller

Stay in Front



## Technical Specifications



|  | Cambridge | Star Ring | TWIN Star | Crosskill | V-Profile |
|--|-----------|-----------|-----------|-----------|-----------|
|  |           |           |           |           |           |

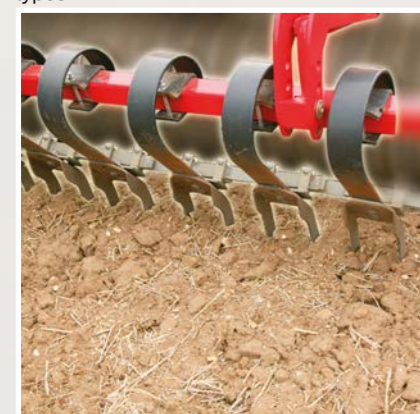
| Working Width, m                  | RING SIZE   | 510 mm | 560 mm | 620 mm | 450/500 mm | 550/600 mm | 450/450 mm | 550/550 mm | 485/530 mm | 550/600 mm | 600 mm | 700 mm |
|-----------------------------------|-------------|--------|--------|--------|------------|------------|------------|------------|------------|------------|--------|--------|
|                                   | SPOKES      | 3      | 9      | 10     | -          | -          | -          | -          | -          | -          | -      | -      |
| <b>1-SECTION RIGID MODELS</b>     |             |        |        |        |            |            |            |            |            |            |        |        |
| 1.50<br>TRANSPORT<br>2.00         | WEIGHT, KG  | 620    | 750    | 820    | 640        | 790        | 560        | 650        | 550        | 740        | 590    | 570    |
|                                   | RINGS, PCS. | 29     | 29     | 29     | 30         | 30         | 17         | 17         | 15         | 15         | 12     | 10     |
|                                   | AXLE, MM    | 60     | 60     | 60     | 60         | 60         | 60         | 60         | 60         | 60         | 60     | 60     |
| 2.60<br>TRANSPORT<br>2.60         | WEIGHT, KG  | 930    | 1,160  | 1,260  | 980        | 1,240      | 930        | 980        | 730        | 1,050      | 890    | 850    |
|                                   | RINGS, PCS. | 45     | 45     | 45     | 42         | 42         | 30         | 30         | 25         | 25         | 19     | 17     |
|                                   | AXLE, MM    | 60     | 60     | 60     | 60         | 60         | 60         | 60         | 60         | 60         | 60     | 60     |
| 3.00<br>TRANSPORT<br>3.00         | WEIGHT, KG  | 1,060  | 1,330  | 1,450  | 1,110      | 1,410      | 940        | 1,120      | 830        | 1,170      | 1,020  | 970    |
|                                   | RINGS, PCS. | 53     | 53     | 53     | 50         | 50         | 35         | 35         | 27         | 27         | 23     | 18     |
|                                   | AXLE, MM    | 60     | 60     | 60     | 60         | 60         | 60         | 60         | 60         | 60         | 60     | 60     |
| 3.50<br>TRANSPORT<br>3.50         | WEIGHT, KG  | 1,190  | 1,500  | 1,640  | 1,240      | 1,590      | 1,080      | 1,290      | 950        | 1,340      | 1,150  | 1,110  |
|                                   | RINGS, PCS. | 61     | 61     | 61     | 60         | 60         | 41         | 41         | 31         | 31         | 27     | 22     |
|                                   | AXLE, MM    | 60     | 60     | 60     | 60         | 60         | 60         | 60         | 60         | 60         | 60     | 60     |
| 4.00<br>TRANSPORT<br>4.00         | WEIGHT, KG  | 1,510  | 1,510  | 2,040  | 1,560      | 1,970      | 1,370      | 1,610      | 1,210      | 1,680      | 1,460  | 1,390  |
|                                   | RINGS, PCS. | 75     | 75     | 75     | 70         | 70         | 47         | 47         | 37         | 37         | 31     | 24     |
|                                   | AXLE, MM    | 60     | 60     | 60     | 60         | 60         | 60         | 60         | 60         | 60         | 60     | 60     |
| <b>2-SECTION HYDRAULIC MODELS</b> |             |        |        |        |            |            |            |            |            |            |        |        |
| 3.00<br>TRANSPORT<br>2.13         | WEIGHT, KG  | 1,240  | 1,410  | 1,630  | 1,290      | 1,590      | 1,120      | 1,300      | 1,010      | 1,350      | 1,200  | 1,150  |
|                                   | RINGS, PCS. | 53     | 53     | 53     | 50         | 50         | 35         | 35         | 27         | 27         | 23     | 18     |
|                                   | AXLE, MM    | 60     | 60     | 60     | 60         | 60         | 60         | 60         | 60         | 60         | 60     | 60     |
| <b>3-SECTION HYDRAULIC MODELS</b> |             |        |        |        |            |            |            |            |            |            |        |        |
| 4.00<br>TRANSPORT<br>2.60 - 2.75  | WEIGHT, KG  | 1,660  | 2,020  | 2,180  | 1,710      | 2,120      | 1,520      | 1,760      | 1,360      | 1,830      | 1,610  | 1,540  |
|                                   | RINGS, PCS. | 75     | 75     | 75     | 70         | 70         | 47         | 47         | 37         | 37         | 30     | 24     |
|                                   | AXLE, MM    | 60     | 60     | 60     | 60         | 60         | 60         | 60         | 60         | 60         | 60     | 60     |
| 5.00<br>TRANSPORT<br>2.85 - 3.00  | WEIGHT, KG  | 1,960  | 2,440  | -      | 2,060      | 2,570      | 1,780      | 2,080      | 1,590      | 2,180      | 1,900  | 1,820  |
|                                   | RINGS, PCS. | 95     | 95     | -      | 90         | 90         | 59         | 59         | 47         | 47         | 38     | 30     |
|                                   | AXLE, MM    | 60     | 60     | -      | 60         | 60         | 60         | 60         | 60         | 60         | 60     | 60     |
| 6.00<br>TRANSPORT<br>2.85 - 3.00  | WEIGHT, KG  | 2,350  | 2,940  | -      | 2,410      | 3,030      | 2,140      | 2,500      | 1,910      | 2,630      | 2,270  | 2,180  |
|                                   | RINGS, PCS. | 115    | 115    | -      | 110        | 110        | 71         | 71         | 57         | 57         | 46     | 36     |
|                                   | AXLE, MM    | 60     | 60     | -      | 60         | 60         | 60         | 60         | 60         | 60         | 60     | 60     |

| Working Width, m | Type  | Front-Harrow    |            | Spring-Board    |            | Transverse Locking System, kg | Double Frame, kg | Top-Cutter               |            |
|------------------|-------|-----------------|------------|-----------------|------------|-------------------------------|------------------|--------------------------|------------|
|                  |       | Number of Tines | Weight, kg | Number of Tines | Weight, kg |                               |                  | Diameter incl. knife, mm | Weight, kg |
| 2.60             | Fast  | 15              | 158 - 183  | 10              | 185        | 30                            | 42               | Ø390                     | 310        |
| 3.00             | Fast  | 17              | 177 - 205  | 12              | 235        | 35                            | 42               | Ø390                     | 350        |
| 3.00             | Hydr. | 17              | 185 - 213  | 12              | 245        | 39                            | 42               | Ø390                     | 375        |
| 3.50             | Fast  | 20              | 201 - 234  | 14              | 255        | 41                            | 42               | Ø390                     | 400        |
| 4.00             | Fast  | 23              | 254 - 292  | 16              | 275        | 47                            | 78               | Ø390                     | 450        |
| 4.00             | Hydr. | 23              | 275 - 314  | 16              | 460        | 51                            | -                | Ø390                     | 475        |
| 5.00             | Hydr. | 29              | 330 - 378  | 20              | 515        | 55                            | -                | Ø390                     | 575        |
| 6.00             | Hydr. | 35              | 397 - 455  | 24              | 570        | 71                            | -                | Ø390                     | 675        |

## Extra Equipment

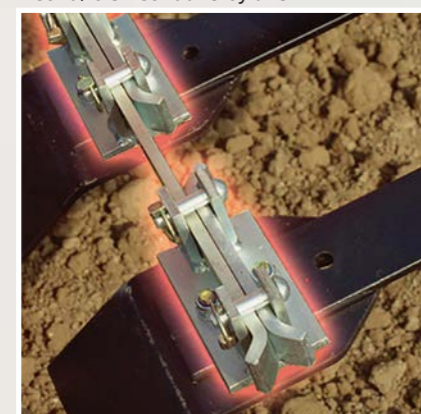
### Slicing Plates

Cuts and breaks the soil and clods much more effectively than the standard points on the Spring-Board. Used for heavier soil types.



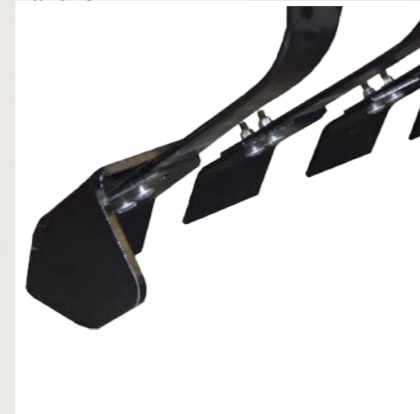
### Transv. Lock. System

The levelling effect of the Spring-Board is increased by locking the tines together, making it one complete "board". Easy to mount / dismount tine by tine.



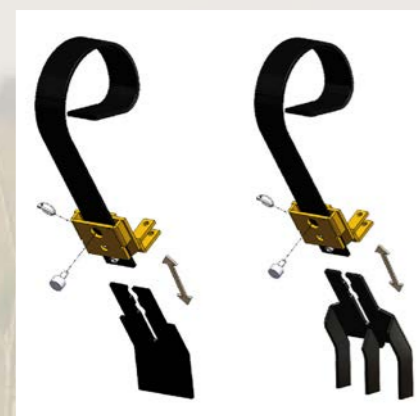
### Edge Equipment

To ensure that the soil is retained within the working width, edge equipment can be mounted on all Spring-Boards and Front-Harrows.



### Easy-Change

Easy-Change kit for quick change between normal plate on Spring-Board and crust breaker tip. Mounting on standard tine.



### Stabilization Device

Recommended for use with tractors with GPS. For working widths from 5 m.



### Warning Boards

Detachable warning boards for safer driving.



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HE-VA reserves the right to make design and construction changes without notice



# Front-Roller

## Effective crushing and consolidation to create the ideal seedbed

Front-Roller provides an even consolidation over the entire width and is suitable for shredding the surface so the best conditions for the optimal seed bed are achieved.

Combined with a full width Spring-Board, better leveling and tillage is achieved and, at the same time, a significantly better soil compaction on the leveled and tilled ground. This results in fewer overpasses with large savings as a result.



Front-Roller shown with 620 mm Cambridge rings.

### 1-, 2-, 3-section models



The rigid Front-Roller models are available in 1.50, 2.60, 3.00, 3.50 and 4.00 m working widths.



Front-Roller with hydraulic folding is available in 4.00, 5.00 and 6.00 m working widths.

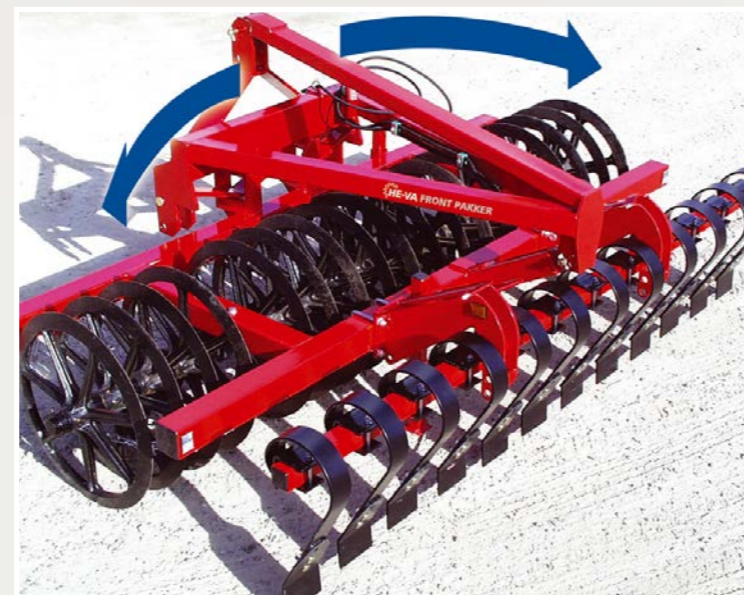


Front-Roller - 3.00 m - 2-section - Hydraulic



## On all front equipment you get...

Cat. II three point linkage with integrated steering.



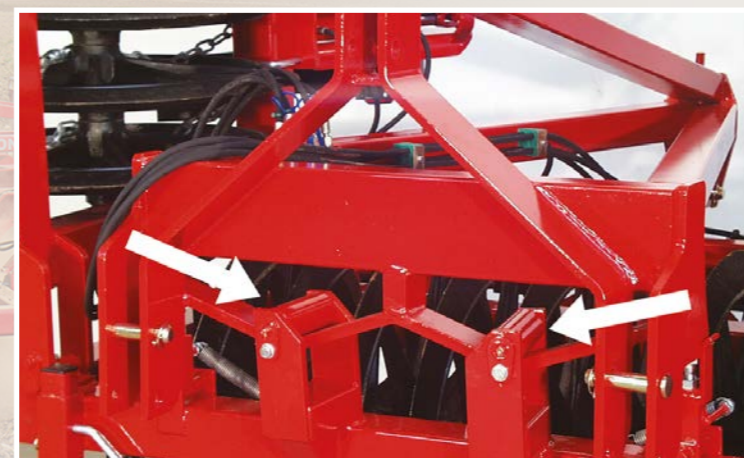
### STEERING

With the integrated steering, the Front-Roller is actually trailed rather than pushed - ensuring that it follows the nose of the tractor steering smoothly even at speed.

The steering rollers (pictured below) self-centre the press to prevent it swaying around when lifted to turn on the headland or in transport.

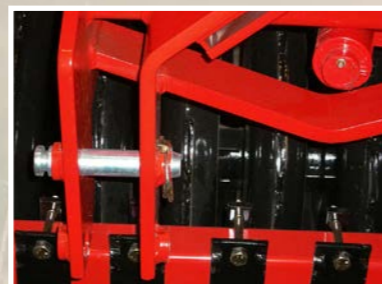
### HEAVY DUTY HEADSTOCK

As with all HE-VA Front Equipment, the headstock is designed to cope with the heaviest ring combination and attachment of a front harrow or a Spring-Board.



### BUSHES

To increase the service life of the Front Equipment, it is equipped with bushes for pins, locked by the ring split.



### Ring Types

Choose the rings best suited for the job at hand. HE-VA will produce the Front-Roller of your choice, making it easier for you to improve cultivation and consolidation.



#### Cambridge

Front-Roller is available with 510 mm, 560 mm or 620 mm Cambridge rings with 3, 8, 9 or 10 spokes, suitable for crushing clods and consolidation of the soil in the top 10 cm. Cambridge leaves the surface nicely structured and even. The breaker rings increase the aggressiveness on heavier soil and keep the rings clean.



#### Crosskill

Front-Roller is available with 485/530 mm and 550/600 mm Crosskill rings, which work aggressively on the soil and leave a fine loose soil layer ready for seeding. For the Crosskill not to stick to/fill with soil, every other ring is larger and movable on a loose hub, achieving the same radius towards the ground and thus even soil compaction. When the soil has to release the rings, the loose rings are pressed up, which makes the self-cleaning better.



#### Star ring

Front-Roller is available with 450/500 mm and 550/600 mm star rings, which leave the soil packed with a loosely structured and slightly ridged surface. Chosen where the Front-Roller, in addition to roller tasks, is also used for soil compaction and the production of seedbeds.



#### V-Profile

Front-Roller is available with 600 mm and 700 mm V-Profile rings, which leave a perfect surface finish. With a high level of robustness, this ring type can handle very stony fields and even large rocks.



### Front-Roller TWIN



Front-Roller Twin is shown here in 3.00 m working width with 550/550 mm Star Rings and Spring-Board with standard 8 x 150 mm spikes. The machine is also available with 450/450 mm star rings.

This machine packs the soil very efficiently via the double star roller, leaving the soil with a structured and loose surface, which is particularly suitable for subsequent sowing.

### 600 and 700 mm V-Profile

This strong V-Profile ring is produced out of pressed 5 mm steel plates - castellated - forming the aggressive profile. Hereby a higher strength level is achieved.



The good strength qualities, its high weight together with the steel scrapers between the rings, make this ring highly suitable for sticky and clayey soils.

The rings can turn individually but are linked by a series of lugs that ensure they all drive together and continue to turn in wet and sticky conditions.



# Extra Equipment

### Spring-Board and Front-Harrow

For extra cultivation, levelling and consolidation add the Spring-Board or the Front-Harrow and you will save work, time and money.



All machines that incorporate a Spring-Board have hydraulic adjustment of the working depth, so the aggressiveness can be adjusted on the move or the Spring-Board can be lifted completely if the conditions dictate.

The numbered gauge that can be seen from the tractor seat sets the angle of work or the conditions in hand.



The front-harrow is built with two rows of height-adjustable special straight S-tines with vertical reversible tips. The front-harrow is designed to work with all types of front end equipment. The working depth is set with



spindles. With a combination of Spring-Board and front-harrow, you can work on all types of soil (rigid models only).

This combination requires a double frame as shown in the picture.

### Top-Cutter



The Top-Cutter effectively cuts stumps and crop residues without damaging the roots, thus contributing a great degree of flexibility to the process of creating a false seedbed after harvest.

The unique design with a closed construction prevents soil and residues from collecting in and sticking to the Top-Cutter, ensuring a continuous high level of efficiency without unnecessary stops in the field. The Top-Cutter is particularly suitable for maize and rapeseed stubble, as well as for cover crops.

It is also possible to purchase a Spring-Board for mounting on the Top-Cutter's bracket.