



COMPACT-APOLLO-ZEUS

DOUBLE DISC SPREADER

SPANDICONCIME DOPPIO DISCO • DOUBLE DISC SPREADER
DISTRIBUTEUR D'ENGRAIS DOUBLE PLATEAU • ABONADORA DOBLE DISCO





Compact, Apollo and Zeus, the double disc spreaders of the Cavallo Series, are the ideal aid for the correct and precise distribution of mineral fertilizers, organic amenders and seeds. A correct fertilizer distribution is not a cause of pollution: on the contrary it is indispensable help for better farming.

Compact, Apollo and Zeus answer the basic needs of today's farming:



**FERTILIZING
WITH GAIN**



**LONG
LIFE**



**AVOIDING
TECHNICAL ASSISTANCE**



**EASY
USE**

It's the result of their excellent technological features such as:

- **Vibro-System:** the system with a vibrant hopper bottom and stainless steel filtering grids
- **Measuring and Adjustment** geometrically variable with micrometric regulation
- **Lateral Feeding** of the distribution vanes
- **Spreading Precision**
- **Hydraulic Remote Control**
- **TPS:** Transmission Protection System
- A Stainless Steel Core: stainless steel feeding, measuring and distribution systems
- Structural Solidity
- Safety

VIBRO SYSTEM

Without Agitator



The **VIBRO-SYSTEM** is a hopper device with a vibrating bottom that constantly and continuously feeds the distribution unit without using any agitator that would break the products. It allows and guarantees the even measuring of the chosen quantities.

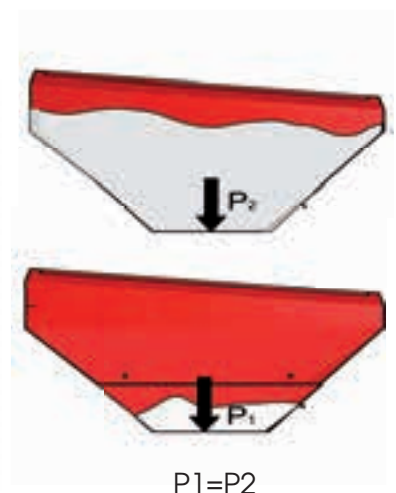
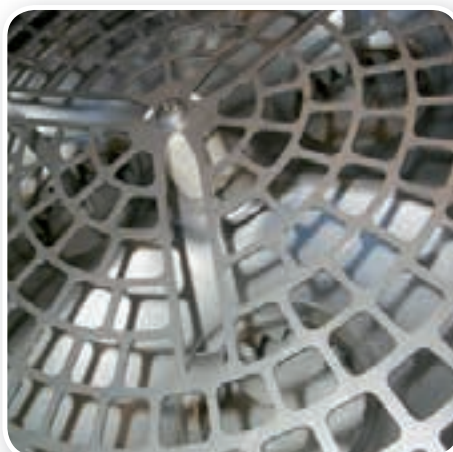
Thanks to this device, it is now possible to distribute any type of fertilizer, from granular or powder fertilizers to pellets, compost and seeds without altering their physical features.

The **VIBRO SYSTEM** solves all the problems connected with the:

- **Breaking of fertilizer granules and seeds**
- **Heating and lumps**
- **Spreading of any type of fertilizer even with critical weather conditions**
- **Evenness of distributed quantities: the system makes independent the delivered quantity from the level of hopper filling**



The Cavallo double disc spreaders are equipped with two special vibrant grids made in stainless steel (as a standard outfit). Two are their purposes: retaining the fertilizer lumps and keeping constant the fertilizer pressure on the feed system with any product volume inside the hopper, thanks to their position at the bottom of the hopper itself.

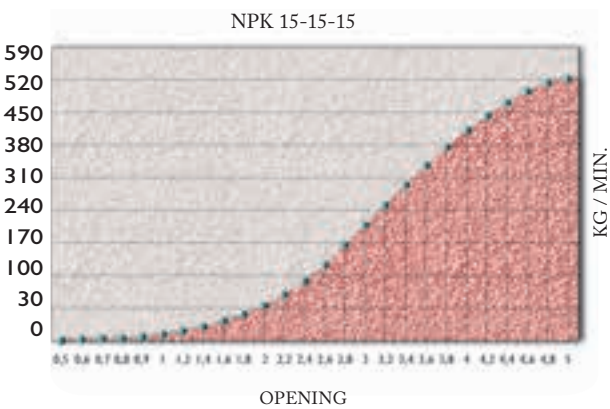


MEASURING

the Quantity



The measuring is obtained through the rotation of two stainless steel discs. One of them has three variable geometry openings that give a delivery curve fit both for the micro and the large quantities.



ADJUSTMENT

The Cavallo double disc spreaders are equipped with an automatic positioning system, which optimizes the fertilizer flow towards the spreading disc according to the increase of the supplied quantity. It is also possible to intervene manually on the earlier or later outflow of the fertilizer onto the disc, in order to compensate the spreading, if it is too concentrated at the centre or at the sides, due to different physical fertilizer features with special weather conditions.



Easy and simple adjustment on graduated scales with 50 positions. If necessary, the system enables to feed the two discs with different quantities.





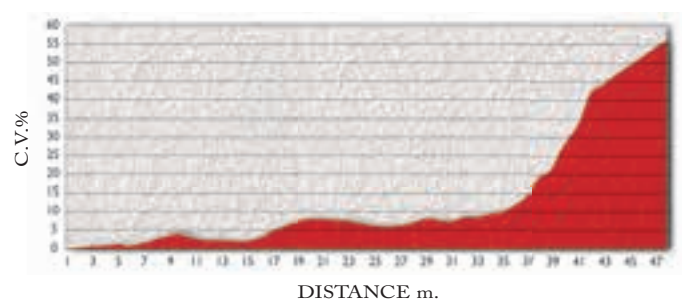
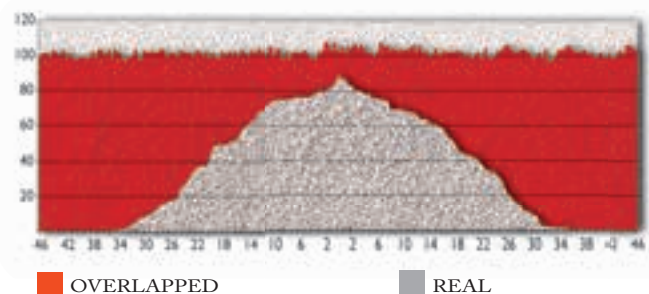
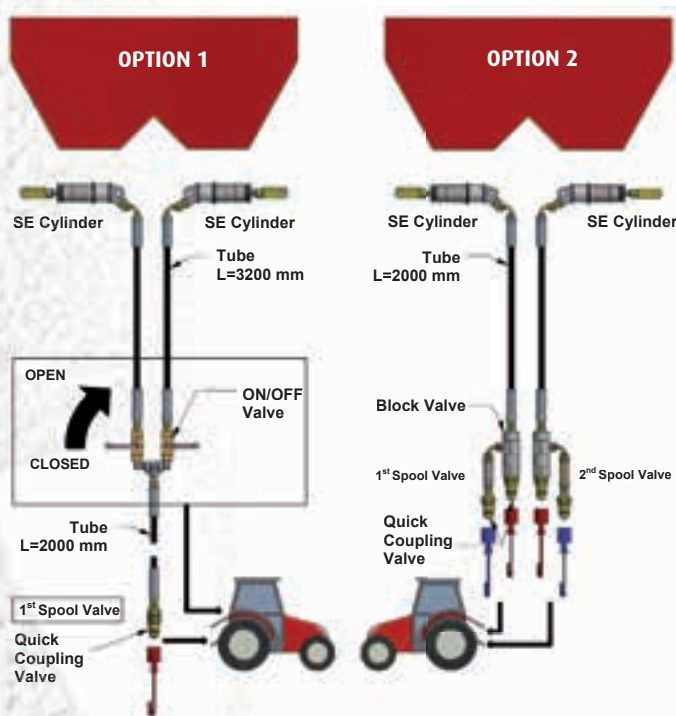
LATERAL FEEDING

and Transversal Evenness



A must-have feature offered by the Cavallo spreaders is the lateral feeding of the distribution vanes. In this way neither pulverizing nor breaking occur during distribution. The product is routed along the blades with progressive acceleration, thus producing a continuous and regular flow. The lateral opening solves the distribution problems on uneven ground and guarantees optimum evenness.

HYDRAULIC OPENING AND CLOSING



The excellent distribution of the product is guaranteed by a constant Coefficient of Variation (C.V.) up to 36m and always lower than 10%.

Option 1

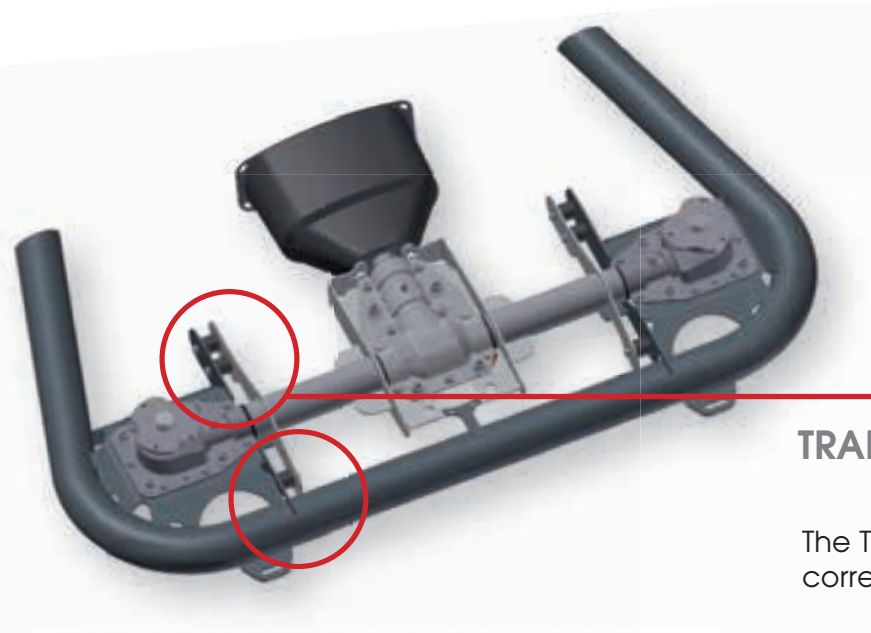
It requires a simple effect (SE) spool valve or a double effect (DE) spool valve. The independence of the left and right circuits is obtained by turning the valves.

Option 2

It requires two double effect spool valves. The independence of the left and right circuits is obtained directly by using the tractor's control levers.

- **Hydraulic cylinders with stainless steel stems to close the flow**
- **Stainless steel gas dampers to activate the feeding**





TPS

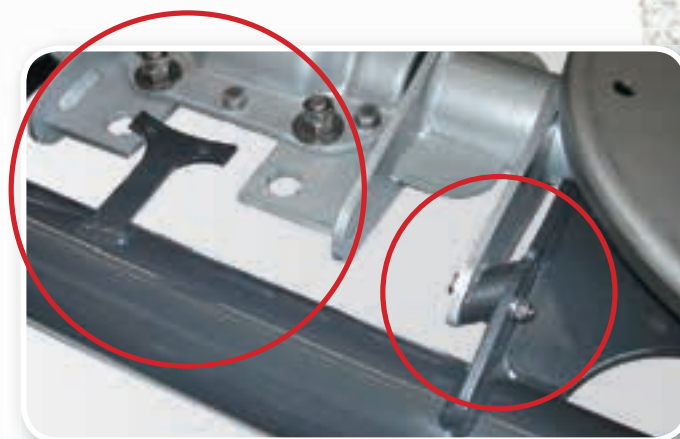
TRANSMISSION PROTECTION SYSTEM

The TPS enables the operator to check the correct length of the PTO shaft before starting.

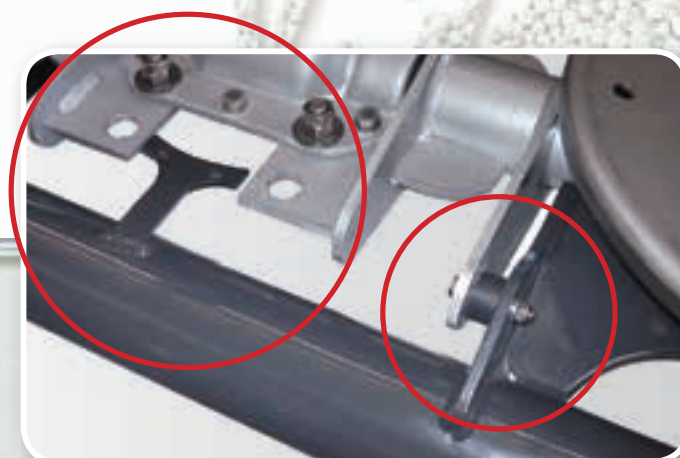


A CORE *made of* Stainless Steel

The components of the feeding, measuring and distribution systems, as well as all the bolts, are made in stainless steel as a guarantee of a long life.



In case the length of the PTO shaft is not correct, the TPS intervenes by transmitting the anomalous flexion stress exclusively to six flexible rubber joints, thus preserving the transmission unit.



The correct length of the PTO shaft and so the exact work angle of the driving gearbox can be easily checked by the alignment of two pointers located on the frame and on the transmission unit. Therefore the TPS allows safe work in every working condition.

Small Dimensions, Big Contents

COMPACT

C A V A L L O

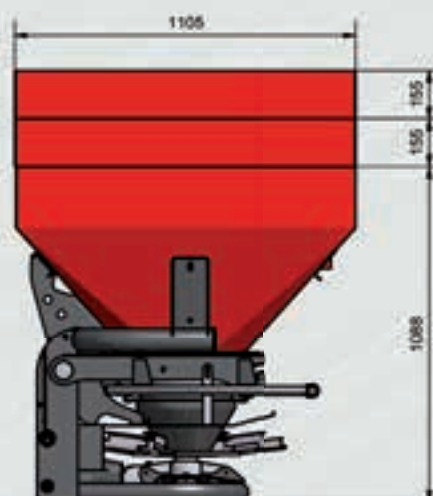
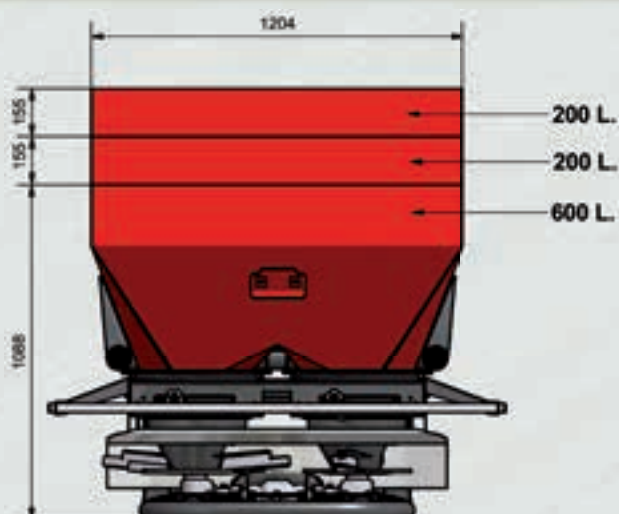


The COMPACT and COMPACT *fruit* are spreaders with reduced overall dimensions to fertilize small and medium areas, and for row distribution. The COMPACT series is solid, robust, ideal for low-powered tractors and essential for narrow passages between plants in rows.

Spreading Width up to 15m
(18m. with optional vanes)

CHASSIS

An exceptional solid chassis. The double three-point linkage enables a second hooking in a 150 mm higher position for top dressing.



kg

16

16

215

C A V A L L O

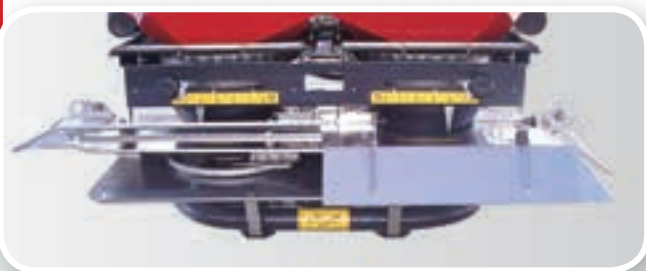


- **Row-localized Distribution**
from 2 up to 5m

- **Open-field Spreading Distribution** up to 12m



A couple of front shutters (optional accessory) enables the Compact *fruit* to carry out a precise two-sided fertilization of the field edge.



Easy switching from row-localized distribution to open-field spreading. Unscrew two knobs and pull out the inside casing: the COMPACT *fruit* turns into its open-field distribution version.



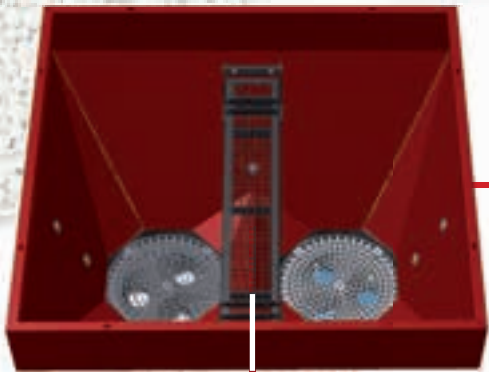
COMPACT • *Fruit* INOX

CAVALLO



Stainless Steel
Hopper Versions

OPTIONS



Supporting central structure (standard) to hook the folding filtering grids (optional accessory)



Hopper Protection Cover (optional accessory)



Roads Lights (optional accessory)



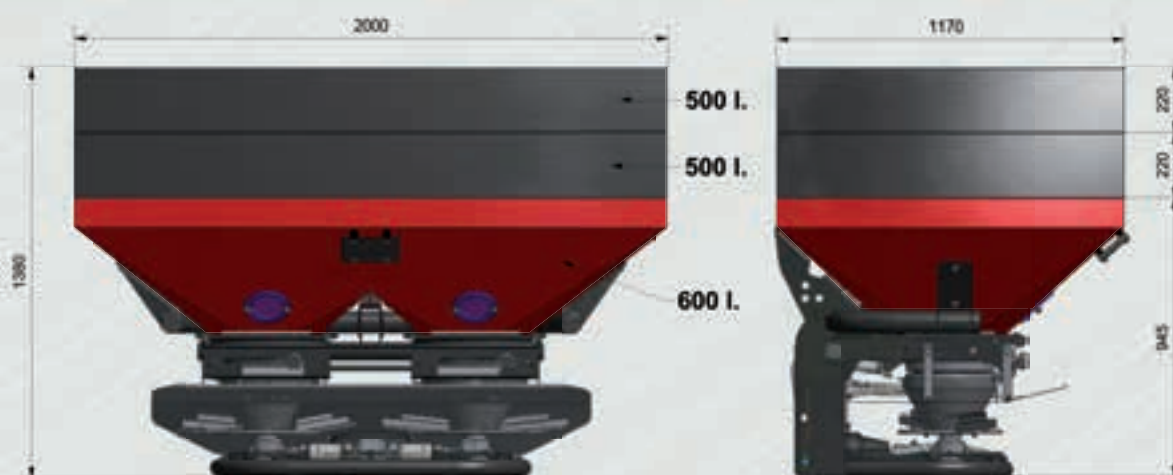
The rear hopper Plexiglas doors enable the easy access to the sieving grids



The APOLLO, the latest born of CAVALLO manufacturing company, matches all the features of excellence of the double disc spreaders, from the Vibro System to the TPS, from the massive use of stainless steel to the lateral feeding of the vanes, with extremely functional loading handiness and high content. The lowered hopper enables easy loading from bags and buckets. At the same time it offers an interesting loading capacity that varies from 600 litres of the base version to 1100 litres of the version with one extension, or to 1600 litres with two extensions.

Spreading Width up to 18m

Reduced loading height: from 0.94 to 1.38m



kg
30
30
250



Stainless steel hopper version and extensions

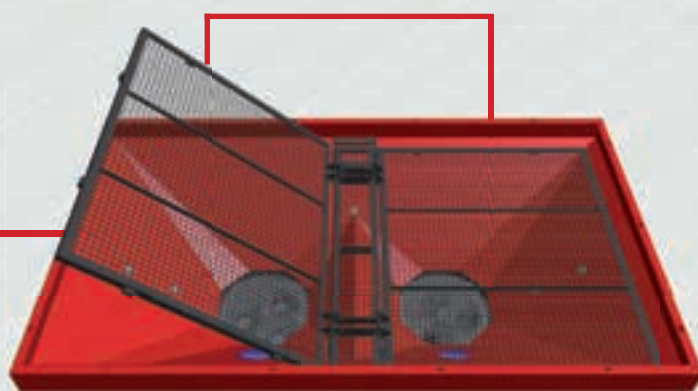


DEVICE FOR BORDERS

Manual device to spread along field borders (optional accessory)



Supporting central structure (standard) to hook the folding filtering grids (optional accessory)



ZEUS

C A V A L L O

The Top Spreader of the Cavallo Brand



ZEUS 18

- Spreading Width up to 18m (24m with optional kit of vanes)
- Tilting Hopper with capacity from 850 to 1800 litres
- Hydraulic System
- Vibro System
- Transmission Protection System
- Spreading Discs at 685 rpm
PTO Shaft at 540 rpm



ZEUS 24

- Spreading Width up to 24m
- Tilting Hopper with capacity from 1400 to 3000 litres
- Hydraulic System
- Vibro System
- Transmission Protection System
- Spreading Discs at 685 rpm
PTO Shaft at 540 rpm



ZEUS 28

- Spreading Width up to 28m
- Tilting Hopper with capacity from 1400 to 3000 litres
- Hydraulic System
- Vibro System
- Transmission Protection System
- Spreading Discs at 840 rpm
PTO Shaft at 540 rpm



ZEUS 32

- Spreading Width up to 36m
- Tilting Hopper with capacity from 1400 to 3000 litres
- Hydraulic System
- Vibro System
- Transmission Protection System
- Road Lights
- Spreading Discs at 1000 rpm
PTO Shaft at 1000 rpm

ZEUS 18

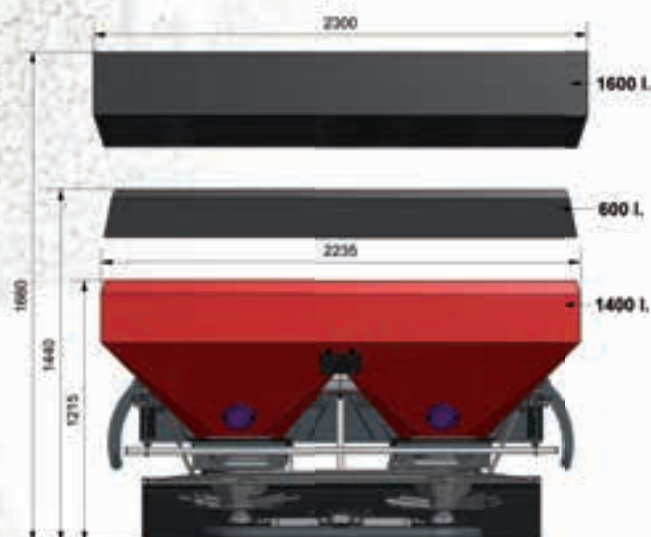
C A V A L L O



kg
52
37
330

ZEUS 24 28 32

C A V A L L O



kg
110
40
460

COVERS

Fixed or Tilting Hopper Covers
(optional accessory)



INOX

Stainless steel
hopper version
(on request)

CHASSIS

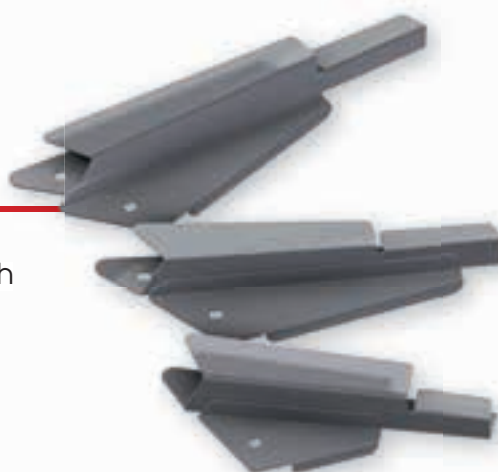
A Chassis of exceptional solidity, fit to support the hopper on three sides. The three-point linkage enables hitching also in a 100mm. advanced position and in a 150mm. higher position for top dressing.

ZEUS

CAVALLO

KIT OF VANES

Interchangeable vanes to modify spreading width (optional accessory)



PLEXIGLAS DOORS

The Plexiglas doors positioned on the rear side of the hopper allow easy access to the sieving grids



EC-ISO PROTECTIONS

Made in stainless steel



DEVICE FOR BORDERS

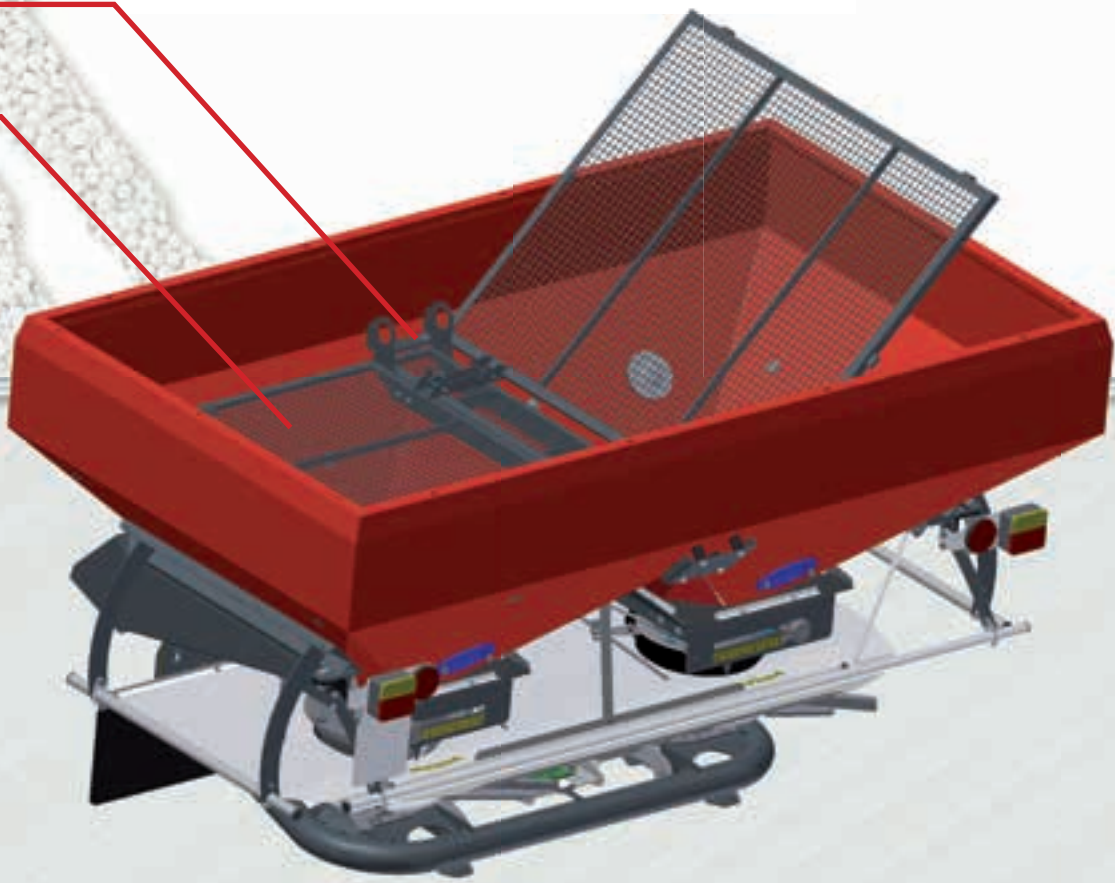
Hydraulically controlled device
to spread along field borders (optional accessory)



Safe and easy
hooks to lift
the spreader



Supporting
central structure
(standard) to hook
the folding filtering
grids (optional
accessory)



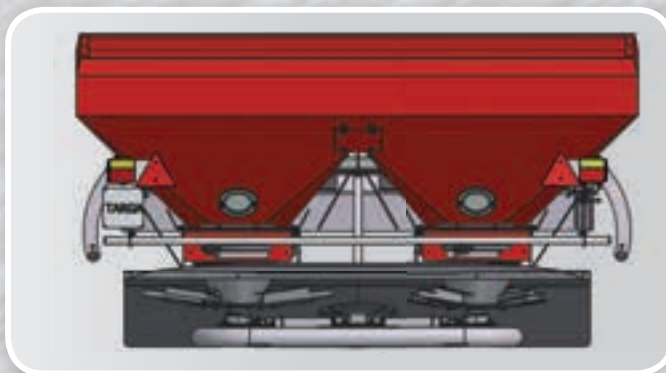
OPTIONS COMPACT APOLLO ZEUS

C A V A L L O



WHEEL SUPPORT

Wheel support for manual handling
(optional accessory)



Roads lights
(optional accessory)

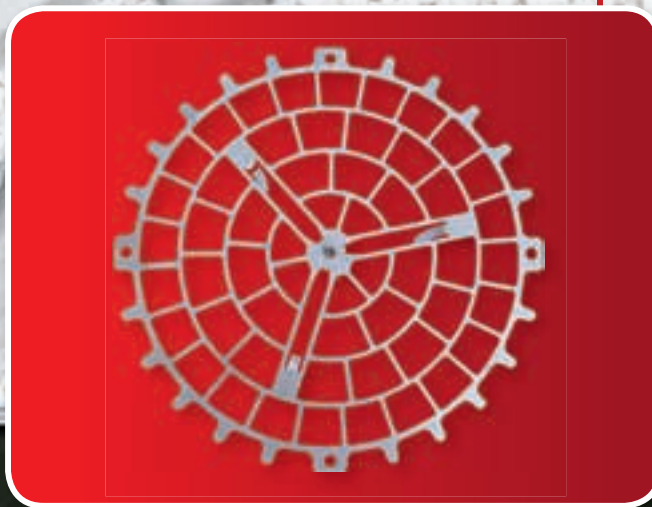


CONTROLLER

A device to check the supplied
quantity (optional accessory)

GRIDS

Special grids for powder fertilizers
or organic amenders (optional accessory)



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Divisione macchine agricole

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