KRM

Elektra

Soladrill Ares-P

- New easy clean hopper - No internal pipework
- New Elektra ISObus control of metering and functions
- New quick and easy calibration

KRM Sola

Accurate seed rate and precise depth . . . for greater efficiency and cost savings

The KRM Sola Ares-P Elektra Seed Drill in 4m00 to 7m20 widths

Later Autumn sowing dates and recent climate change has meant it is important to have a drill which will produce quality sowing, whether it is a wet season with sticky, difficult conditions or in a hard, dry and cloddy seedbed. Quality of sowing in a range of conditions is critical if any crop is to have the best start and opportunity to achieve maximum potential.

The KRM Sola Ares-P seed drill range offers an “all weather” solution with a choice of traditional or low-disturbance Tine coulters or double disc coulters, offering quality sowing with high daily work rates in uncertain conditions . . . and all with one drill, when most other drills would be parked up.

Extensive development has led to the latest generation KRM Sola Ares-P drill featuring a sealed, pressurised hopper. This provides significantly improved efficiency of the air distribution system for precise metering and seed transfer to each coulter, especially when working on slopes. Elektra ISObus control of the electronically driven metering system means the Ares-P is ready prepared for headland auto on/off, left or right section control and ability to follow variable seed rate GPS maps.

KRM Sola quality sowing combined with versatility means better germination and more even crop emergence for optimum use of inputs . . . using less horsepower, using less fuel and using less time for significant crop establishment all of which means more cost savings.

Ares-P Seed Drill

New Pressurised Hopper

The Ares-P 1800lt. capacity, pressurised hopper with sealed weatherproof lid ensures there is no air loss from the distribution system into the hopper, as occurs in traditional systems. This means that the high speed airstream from the hydraulic drive fan is more effectively and efficiently used to give precise distribution of seed to each coulter and ensures that the seed flow from the hopper to the metering unit is consistent from hopper full to empty, even when working on slopes.

A further benefit is that the seed distribution heads and all pipework are outside the hopper giving easier access for filling and fast, easy and complete cleaning when changing seed type or variety.

New Precise, Even Metering

Precise control of sowing rate and even seed spacing in the row are vital in modern cereal growing management. New varieties and seed dressings have also led to reduced sowing rates. The KRM Sola Ares-P drill uses a new stainless steel central system for precise, gentle and versatile metering. The central fluted roller accurately meters all seed types from small seeds such as oilseed rape, linseed, grass seeds etc. to cereals, peas and beans. The pressurised hopper encourages gentle, even flow of difficult seeds and dressings into the metering unit without agitation. The metering unit can be fully taken apart without tools for quick and thorough cleaning.

Easy and Accurate Calibration

A new calibration system for the Ares-P, conveniently placed at the front left of the drill, enables the operator, from one initial calibration, to quickly and accurately set the desired sowing rate. Simply pressing a button to collect an amount of seed and entering this into the Elektra ISObus the metering unit is then automatically set to precisely the rate required. Any residual seed can quickly be emptied for fast change between seed types. The high speed airflow is provided by a hydraulic drive fan.

KRM Sola

Accurate Seed Placement in all soils

Independent trials have long proven that precise depth control is the most important factor if a crop is to achieve full potential. Accurate depth results in more even germination and emergence, so that each plant is at the same growth stage through to maturity. Crop maintenance agro-chemicals and fertilisers therefore have the maximum effect for optimum use of inputs, without waste.

KRM Elite Tine Coulter

Positive depth control

*Elite t*ine coulters are equal length for each row ensuring the pressure at the coulter tip is the same across the full drill width. A heavy duty spring, positioned at a shallow angle below the tine, ensures that for each movement of the tine tip, there is only a small corresponding movement of the spring . . . resulting in more even pressure and therefore sowing depth as the coulter moves to follow the ground surface. The system achieves equally good results in shallow drilling (rape) or deep drilling (peas) or when soil conditions vary.

High clearance coulters

The high clearance and large stagger *Elite* coulters allow material to flow through in the most difficult cloddy, stony or incorporated min-till seedbeds without blockage. Short coulter arms allow high forward speeds without “bounce” for increased daily work rates. The special *Elite* coulter tip is shaped to give positive penetration and trash clearance but not lift wet, cloddy soil. Central depth setting working through a parallelogram linkage ensures pressure on all coulters is identical for constant depth setting. Individual coulter pressure can be adjusted if required.

Low operating costs

The tip of each coulter is designed to maintain the same shape and therefore sowing performance as wear occurs. The tip is easy and low cost to replace. The narrow profile produces quality sowing using less horsepower, less fuel and in less time so significantly reducing operating costs.

Ares-P Solo drill = 4 rows of coulters. Ares-P with Integrated Cultivator = 3 rows of coulters

Ares – P Seed Drill

KRM PT Tine Coulter

For “low disturbance” sowing the PT coulter has a very narrow tip, angled forward for positive penetration with the seed delivery tube positioned behind. The tine is tungsten carbide tipped to minimise wear, giving the benefits of maximum working life in the hardest conditions and low operating costs.

The PT coulter will operate in hard dry or in very wet conditions providing positive depth control with minimal soil disturbance to minimise weed seed germination, so helping reduce any infestation.

High Clearance Coulters

PT Tine coulters are mounted in 4 rows, with equal length arms for each row. Specially shaped arms and a spring mounted above the coulter ensure maximum clearance to prevent risk of blockage in min-till or direct seedbeds. The narrow tip reduces the tractor horsepower requirement and central depth setting working through a parallelogram linkage ensures pressure on all coulters is identical for constant sowing depth. Individual coulter pressure can be adjusted if required.

KRM Double Disc Coulter

For working in reduced tillage or conventional seedbeds, when precise control of sowing depth is required, KRM with Sola has developed a Double Disc coulter system for positive penetration and depth even at higher forward speeds, but with minimal disturbance of the seedbed to conserve moisture and prevent secondary weed germination.

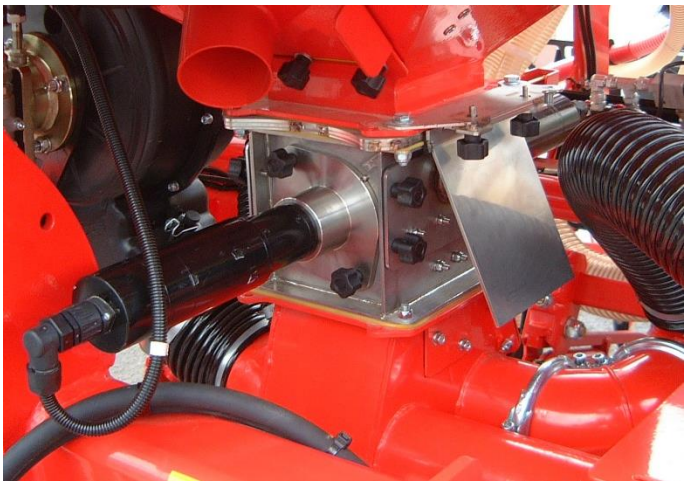
Double Disc versatility

To achieve this, each double disc coulter consists of two 350mm diameter boron steel flat discs. The discs are staggered to leave a narrow seed furrow. This minimises the movement of soil to create the ideal seed furrow, but also provides a self-cleaning effect to prevent blockage when working in high residue or difficult seedbeds. Discs are mounted on maintenance-free ball bearings and can be adjusted for wear to maintain the correct spacing between the discs. A rubber depth control wheel behind each double disc coulter ensures that seed is always placed at the same depth, even in varying soil conditions and even when operating at higher forward speeds. Pressing of the soil by the depth control wheel provides positive soil to seed contact, close to moisture for rapid germination and emergence.

KRM Sola

Elektra . . precise control at your fingertips !

ISOBUS Controlled Metering



Precise control of sowing rate and even seed spacing in the row are vital in modern cereal growing management. New varieties and seed dressings have led to reduced sowing rates. The KRM Soladrill Ares-P uses a newly developed central system for precise, gentle and versatile metering for all seed types from small seeds such as oilseed rape, linseed, grass seeds etc to cereals, peas and beans.

ISOBUS in-cab control of all functions includes 2+2 tramlines and full monitoring includes fan speed and hopper seed level.

ISOBUS comes as standard. The ISOBUS controller controls the electric drive to the metering unit and gives the operator fingertip control in the tractor cab of:

Seed Calibration : simply input the seed weight collected during calibration and the required sowing rate, then the controller will automatically adjust the metering to the precise setting for the target sowing rate.

On-the-move rate adjustment : at the touch of a button, the operator can increase or decrease the sowing rate to suit the needs of individual parts of the field . . . for more efficient and optimum use of expensive seed.

Section Control : offers automatic control of seeding at headlands. This accurate start/stop prevents over-sowing or misses, and allows the centre of the field to be drilled leaving an accurate headland border. Half width via two sections is available as an option.

Variable Rate : the Ares-P is ready prepared to follow GPS variable rate sowing maps.

No ISOBUS Terminal? KRM supply a range of ISObus terminals from the cost effective Smart 570 controller to the more advanced Touch 800 and Touch 1200 terminals which can be upgraded for section control & variable rate application as required.

Ares - P Seed Drill

Built for high performance

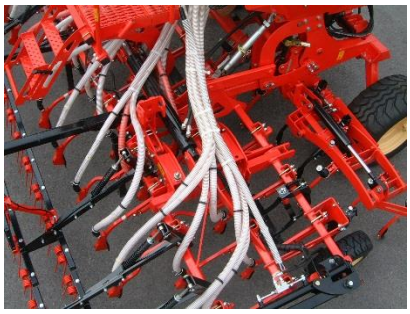
Compact, close coupling

The tractor mounted Ares-P features a compact design, giving great strength with the minimum of weight. Close centre of gravity allows the use of a smaller and lighter tractor, so reducing seedbed compaction.

Offered in 4m to 7.2m working widths, the Ares-P is available as a solo drill or with an integrated cultivator.

The optional integrated cultivator has two rows of heavy duty, auto reset tines to provide the initial loosening and levelling of the seedbed and to prepare a fine tilth for the following three rows of coulters to sow in a wide range of conditions, including heavy wet soils and min-till seedbeds. The cultivator frame can be raised or lowered, allowing the operator to adjust the amount of seedbed cultivation to match field requirements.

A hydraulically driven fan provides a high speed airstream and saves fuel by not having to run the tractor at full PTO speed.



The Ares-P drill folds hydraulically to 3m for fast and safe transport, locking the wings in the securely folded position.

Sowing depth can quickly be set by ratchet adjusters against a conveniently positioned scale for reference.

Two rows of staggered following harrow tines leave a level seed bed finish. The harrow tine pressure can quickly be adjusted to suit seedbed conditions and seed types.

Loading platform with handrail and access steps for easy and safe access for checking hopper contents and filling. Full road LED lighting and working lights are standard fitment.

The full opening sealed hopper lid accommodates all filling methods from big bags to bulk. The cover opens fully and protects the contents from rain and dust.

KRM Soladrill Ares-P : TECHNICAL SPECIFICATION

Heavy Duty Bout Markers as standard

Rear folding heavy duty markers are compact for easier drilling on headlands or around obstructions. The markers can be adjusted for wheel mark or for centreline mark for easy and accurate driving at high forward speeds. The large diameter cutaway discs are designed to leave a clearly visible mark in the most difficult seedbeds.

The heavy duty markers incorporate shear bolt protection in the event of accidental contact or collision.

Standard Equipment includes :

- 1800 lt. capacity, pressurised hopper
- Sealed, wide opening hopper lid
- Hopper screen
- Hopper access steps and platform
- Central metering unit
- Elektra ISObus ready electric metering drive
- Stepless seed rate adjustment 2-400 kg/ha
- Integral calibration kit for quick setting
- Flotation wheels 340/55 x 16
- Hydraulic rear fold markers
- Sensors for hopper level, fan, forward speed
- Elite Tine coulters in 4 rows : Solo
- Elite Tine coulters in 3 rows : Integrated
- PT Tine coulters in 4 rows : Solo
- Double Disc coulters in 2 rows : Solo or Integrated.
- Central depth setting adjustment
- Hydraulic fan drive : requires up to 45lt/min
- Parallelogram mounted coulter frame
- Heavy duty 2row following harrow
- 2+2 track eradicators on solo drills
- Full road and working LED lights
- 2+2 shut off tramline control

Optional Equipment includes :

- Automatic 2 disc pre-emergence marker
- Individual LH or RH half width sowing shut-off
- 3 + 3 tramline shut off
- Individual row shut off stoppers

Model	4m00	4m50	4m80	5m00	6m00	7m00	7m20
Elite No.of Rows/Spacing	32/125	36/125	38/125	40/125	48/125	48/146	
PT No of Rows/Spacing	25/160	28/160	30/160	31/160	37/160	43//160	43/167
D/Disc No of Rows/Spacing	24/166	28/160	32/150	32/158	38/158		
Weight : Tine	1900	1945	1965	1975	2050	2250	2500
Weight : D/Disc	2000	2100	2175	2175	2300		

(Row Spacing : mm Weight : kg)

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