

FOLDABLE POWER HARROWS





HIGH STRENGTH STEEL

All Alpego machines use the best steel to reduce weight and increase work performance, this maximizing both consumption and operating costs. This has a great impact on environmental sustainability as well.

WE HAVE CREATED A COMPLETE SYSTEM BECAUSE HAVING THE BEST STEEL IS NOT ENOUGH.

The sticker "ALPEGO INSIDE" on all machines, certifies the high quality of Alpego's products. An union of first quality materials, eco-sustainable coating process and certified welding that guarantees an exceptional durability and quality over the years.



ECO PAINTING

A unique system of its kind throughout Europe, which allows each component to be painted with the most suitable process and in full respect for the environment. The paints used, in fact, are water-based and powder-based and do not produce emissions of VOC (Volatile Organic Compounds).



CERTIFIED WELDING

For more than twenty years the exceptional durability of Alpego structural components has been guaranteed by the effectiveness of welds made by highly qualified personnel in accordance with standardized processes certified by the National Welding Institute.

TWIN FORCE 25TH ANNIVERSARY

TEK

TWIN FORCE SINCE 1998

TWIN FORCE 25TH ANNIVERSARY

MAX

TWIN FORCE SINCE 1998



Versatile and high-performance

Alpego professional machines are equipped with the new TWIN FORCE TEK patented mechanics: each pair of rotors is mounted on a new one-piece support for even greater ruggedness. They are also equipped with Timken tapered roller bearings and reinforced hardened gears, guaranteeing the transmission's reliability and compatibility with tractors of up to 350 HP. This solution thus enables outstanding performance in terms of:

- Constant greater working depth
- Higher forward speed
- Optimal use of the power available
- Maximum reliability and minimal maintenance

PRESENT ON THE FOLLOWING MODELS:



DTEK - DTEK PLUS



Incredibly resistant

The top-of-the range machines are equipped with the patented TWIN FORCE MAX mechanics. This solution enhances the features of the "TEK", thanks to a better lubrication, a sturdier structure and an increased ground clearance. The power harrow thus equipped makes it possible to reach exceptional performances in terms of:

- Increased working depth
- Higher working capacity
- Use under extremely difficult conditions
- Highest reliability
- Minimum maintenance
- Designed and developed to exploit tractors of very high power

PRESENT ON THE FOLLOWING MODELS:



DMAX



AVAILABLE TINES:

STANDARD LAMINATED TINE "TEK"



3-HOLE FORGED TINE "TEK"



3-HOLE WEARPROOF FORGED TINE "TEK"



QUICK-REPLACEMENT 3-HOLE FORGED TINE PLUS "TEK"



AVAILABLE TINES:

3-HOLE FORGED TINE "MAX"



3-HOLE WEARPROOF FORGED TINE "MAX"



QUICK-REPLACEMENT 3-HOLE FORGED TINE PLUS "MAX"



Alpego gearboxes

Entirely designed
in Alpego

GEAR SWITCHING

By switching or replacing the gear pair it is possible to obtain several different rpm of the rotors. This makes it possible to optimize the work of the power harrow depending on the type of soil, on the forward speed and on the degree of required crumbling.

CS GEARBOX

1000 rpm gearbox designed and developed according to Alpego specs. The switching or the replacement of the gear pair makes it possible to change the number of revolutions of the rotors with a wide range up to 500 rpm without risking to damage the gearbox itself. The bevel gear with helical teeth guarantees the utmost efficiency and sturdiness of the system up to 500 HP. The large surface of the components guarantees a remarkable thermal dissipation.



SELF-LUBRICATION

Because the outer casings of the large-dimension bevel gears are enveloping them, these are able to perform a very important self-lubrication, while cooling all internal components at the same time. Thanks to this solution the Alpego power harrows do not need any further cooling systems.

ALPEGO LUBRICANTS

Alpego has always invested in research and development of lubricants with specific characteristics for the use in own machines. Thanks to these features, power harrows benefit from a longer life and optimal functioning of mechanical components.

The advantages of our power harrows

Details that make a difference

FLOATING REAR ROLLER MOUNTED ON A PARALLELOGRAM

With the PARALLELOGRAM system for the adjustment of the working depth the rear roller maintains a constant angle of inclination, therefore:

- the levelling bar remains always adjusted
- in the combination with a seed-drill, the seed-drilling coulters maintain a constant pressure.



LEVELLING BAR FIXED TO THE ROLLER

This solution improves the crumbling quality while decreasing the power absorption. When changing the working depth of the power harrow, the levelling bar and the rear roller maintain a constant levelling of the soil. Moreover, at the end of the field it is possible to level the residual soil, thereby avoiding unpleasant accumulations.

SET OF QUICK REPLACEMENT OF THE TINES

Simple, safe and fast operation without the need for any tool. A set of the quick replacement tines can be supplied separately, as an alternative to the traditional system, or it can be mounted directly by the manufacturer and it represents a further protection for the tine-supporting plate.



OSCILLATING FRAMES

The 2 folding sections can follow the unevenness of the soil thanks to a floating system (excursion of 20° total upwards or downwards) or be rigid.

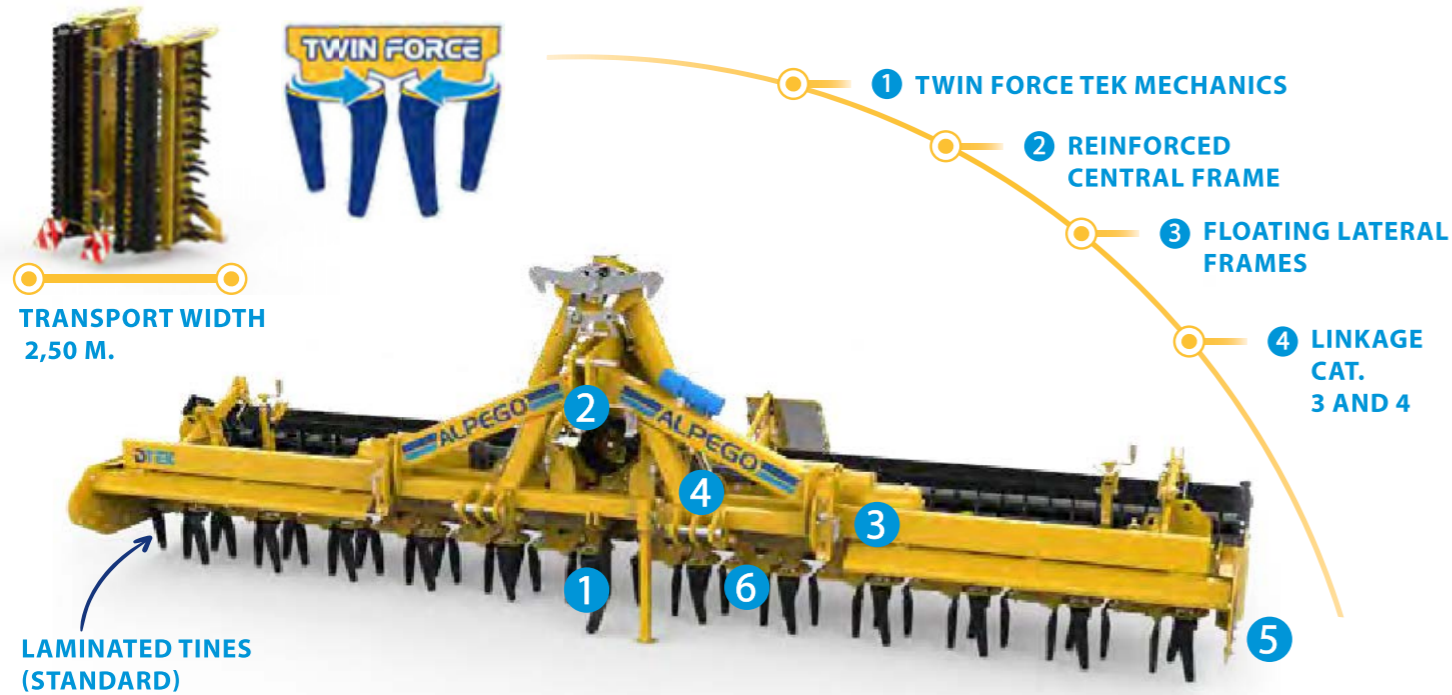


Foldable power harrow
for tractors up to 350 HP
and working width up to 6m

The DTEK folding power harrow, with high strength steel structure and the exclusive TWIN FORCE TEK mechanics, is particularly suitable for the deepest tilling and for use in combination with seed drills.

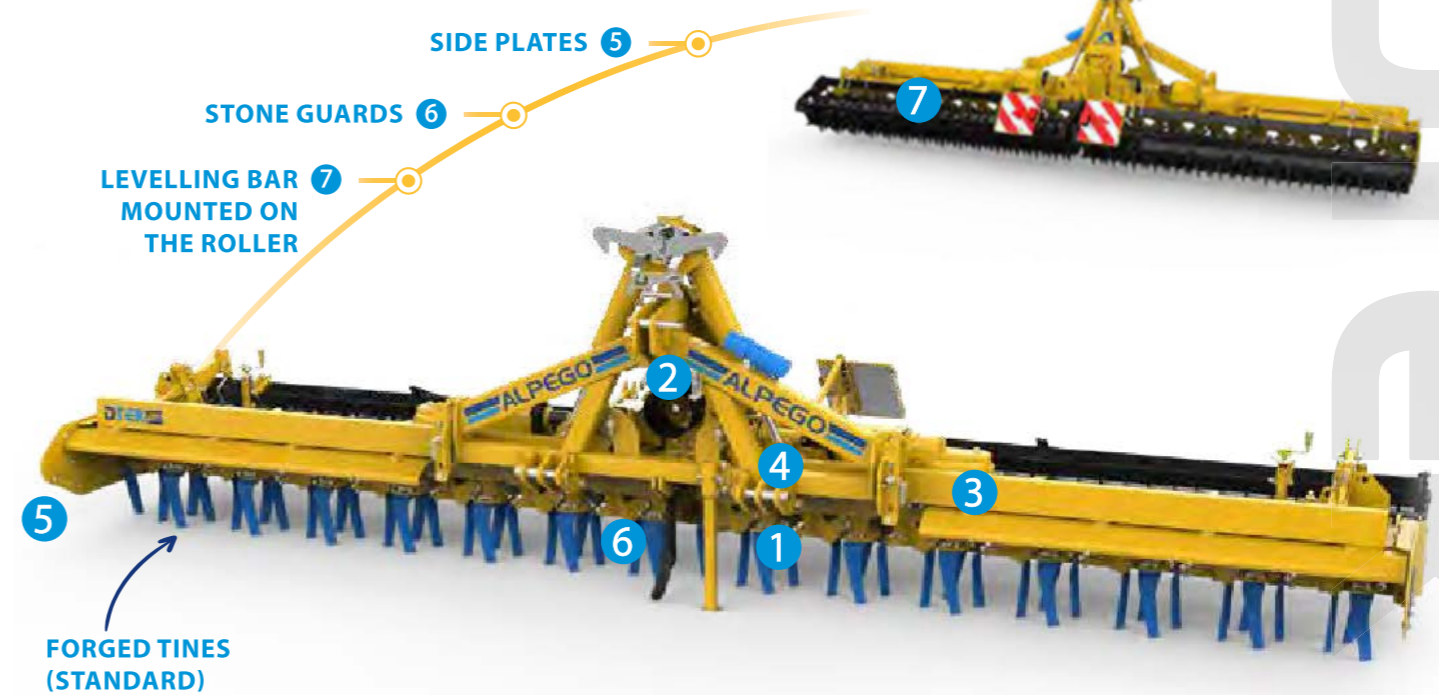
Foldable power harrow
for tractors up to 350 HP
and working width up to 7m

The DTEK PLUS folding power harrow is even higher-performing than the DTEK versions thanks to a more complete standard outfit which makes it even more professional. In addition, the PLUS version is available in more working widths than the DTEK model.



	DTEK 400	DTEK 500	DTEK 600
Working width (mm)	4032	4972	5912
Transport width (mm)	2450	2450	2450
Tractor power (HP)	150-350	160-350	175-350
Working depth (mm)	280	280	280
Rotors (n°)	16	20	24
Tines (n° rh + n° lh)	16+16	20+20	24+24
Weight with Packer roller (Kg)	2705	3045	3440
Weight with Cage roller (Kg)	2485	2765	3050
Weight with Spiral roller (Kg)	2505	2815	3100
Weight with Spike roller (Kg)	2525	2835	3100

N.B.: the weight includes the shear-bolt drive shaft



	DTEK PLUS 400	DTEK PLUS 450	DTEK PLUS 500	DTEK PLUS 600	DTEK PLUS 700
Working width (mm)	4032	4502	4972	5912	6852
Transport width (mm)	2450	2450	2450	2450	2450
Tractor power (HP)	150-350	155-350	160-350	175-350	190-350
Working depth (mm)	280	280	280	280	280
Rotors (n°)	16	18	20	24	28
Tines (n° rh + n° lh)	16+16	18+18	20+20	24+24	28+28
Weight with Packer roller (Kg)	2735	2950	3080	3485	3790
Weight with Cage roller (Kg)	2515	2700	2800	3095	3370
Weight with Spiral roller (Kg)	2535	2735	2850	3145	3460
Weight with Spike roller (Kg)	2555	2755	2870	3145	3470

N.B.: the weight includes the automatic cam clutch drive shaft

1 TWIN FORCE TEK MECHANICS

The patented TWIN FORCE TEK mechanics, used in the professional models, is ideal for the deepest cultivation and in combined machines. The machines equipped with this solution are suited to be hitched to high power tractors.

2 REINFORCED CENTRAL FRAME

Central frame with reinforced structure, designed for seeding combinations, thanks to larger cylinders.

3 FLOATING LATERAL FRAMES

The 2 folding sections can follow the unevenness of the soil thanks to a floating system (excursion of 20° total upwards or downwards) or be rigid.

4 LINKAGE CAT. 3 AND 4

In order to make our power harrows compatible with high-power tractors, we have developed linkage cat. 3 and 4.

5 SIDE PLATES

Updated shaped side plates with wearproof skids. The new design fosters the best flow of the soil toward the rear rollers.

6 STONE GUARDS

In order to prevent stones from penetrating between the rotors, we have developed new more effective moulded and removable protections.

7 LEVELLING BAR MOUNTED ON THE ROLLER

It is mounted on the rear roller, thus improving the levelling and crumbling quality and decreasing the power absorption.

EQUIPMENT DTEK

Linkage cat. 3 and 4 / Gearbox 1000 rpm / Shear-bolt drive shaft / Laminated tines / Rear lights supplied standard with wiring / Central track eraser.

EQUIPMENT DTEK PLUS

Linkage cat. 3 and 4 / Gearbox 1000 rpm / Automatic cam clutch drive shaft / Forged tines / Rear lights supplied standard with wiring / Central track eraser.

AI-GUARD



ALPEGO INTELLIGENCE GUARD ISOBUS*

With the A.I. GUARD ISOBUS package, DTEK and DMAX power harrows can be equipped with ISOBUS electronics. The operator can view a large number of harrow parameters and control directly from the tractor monitor.

*A UT monitor is required for use with NON ISOBUS tractors.



1 TEMPERATURE + RPM - LEFT

2 TEMPERATURE + RPM - CENTRE

3 TEMPERATURE + RPM - RIGHT

4 POWER HARROW CLOSURE *

5 POWER HARROW OPENING *

* Exclusive functions of the A.I. MOVE PACKAGE

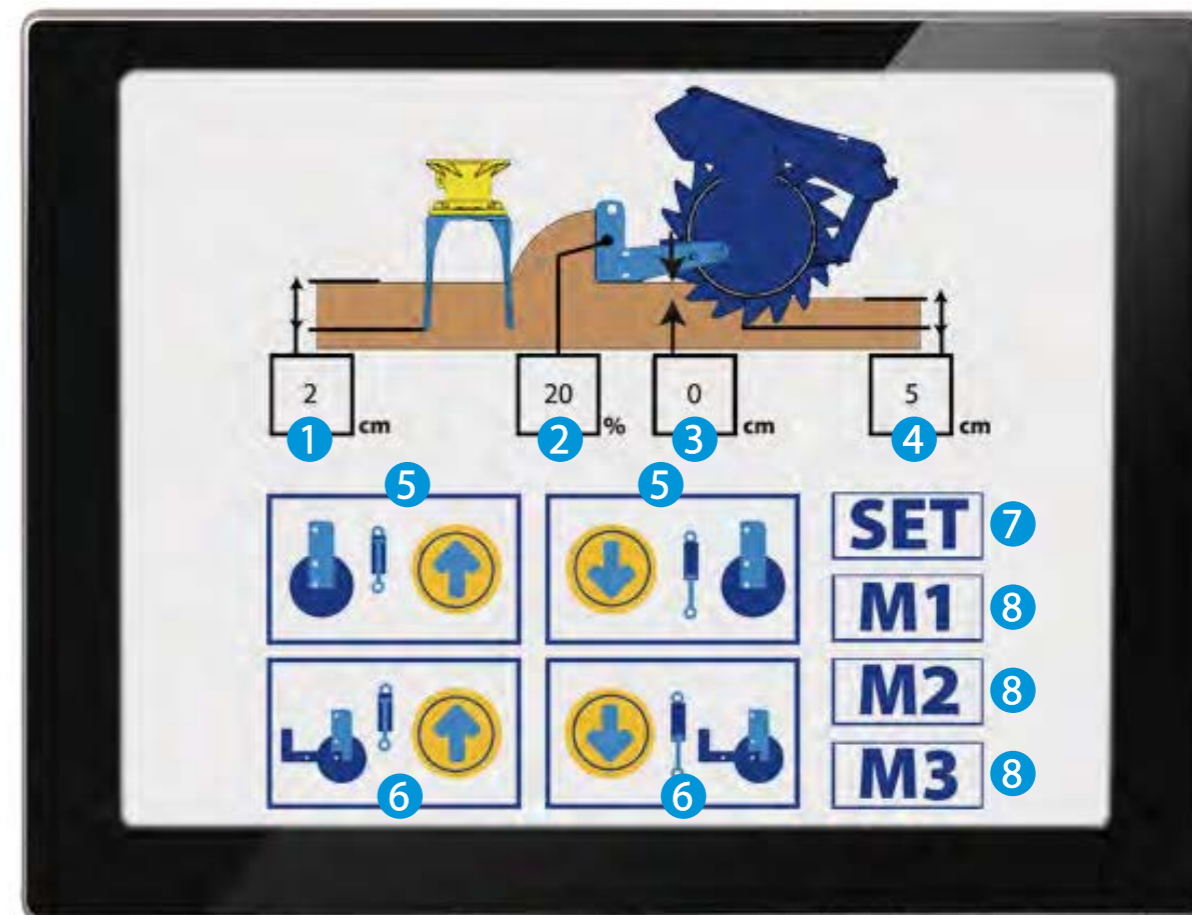
AI-MOVE



ALPEGO INTELLIGENCE MOVE*

The A.I. MOVE package adds state-of-the-art control of hydraulic accessories to power harrows equipped with A.I. GUARD ISOBUS. In addition to the PRO functions, it includes the control of functions and accessories directly from the tractor monitor. What's more, A.I. MOVE reduces the number of hydraulic connections to the tractor (just 1 double-acting distributor with continuous flow).

*A UT monitor is required for use with NON ISOBUS tractors.



1 WORKING DEPTH (CM)

2 BAR HEIGHT (%)

3 ROLLER WORKING DEPTH (CM)

4 ROLLER RIDGES (CM)

5 DEPTH ADJUSTMENT

6 LEVELLING BAR HEIGHT ADJUSTMENT

7 SET

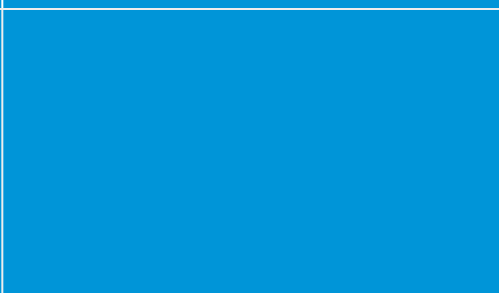
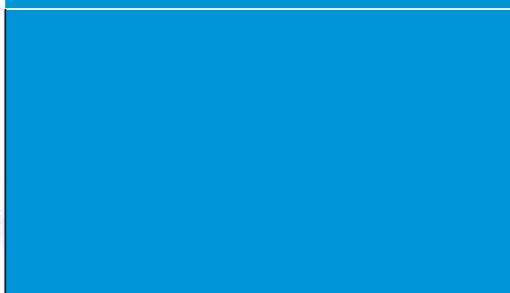
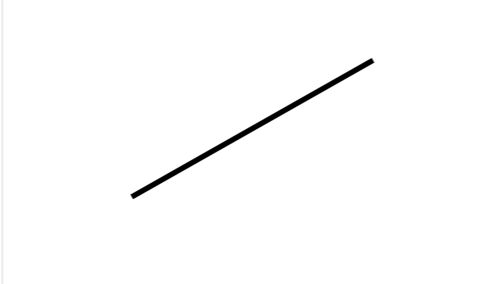
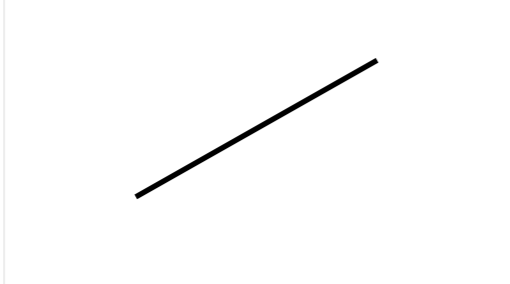
8 MEMORIES

Which seed-drill for which power harrow?

You only need to choose according to your needs

Power harrow
Rotodent DTEK

	
<p>The Fertidril ASPRO front hopper with a single metering unit is made entirely of stainless steel and is the versatile solution for seeding or fertilizing the soil.</p>	<p>The Fertidril ASMAX multifunction front hopper with a dual metering unit is completely made of stainless steel and can be used with seed and fertilizer at the same time.</p>



Power harrow or combined machine?

From power harrow to combined machine and vice-versa, in just a moment



POWER HARROW DP



POWER HARROW DTEK / DTEK PLUS



POWER HARROW DMAX



ASPRO FRONT HOPPER



FRONT HOPPER + POWER HARROW + RUBBER BAR



POWER HARROW DP



POWER HARROW DTEK / DTEK PLUS



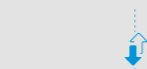
POWER HARROW DMAX



ASMAX FRONT HOPPER



FRONT HOPPER + POWER HARROW + RUBBER BAR



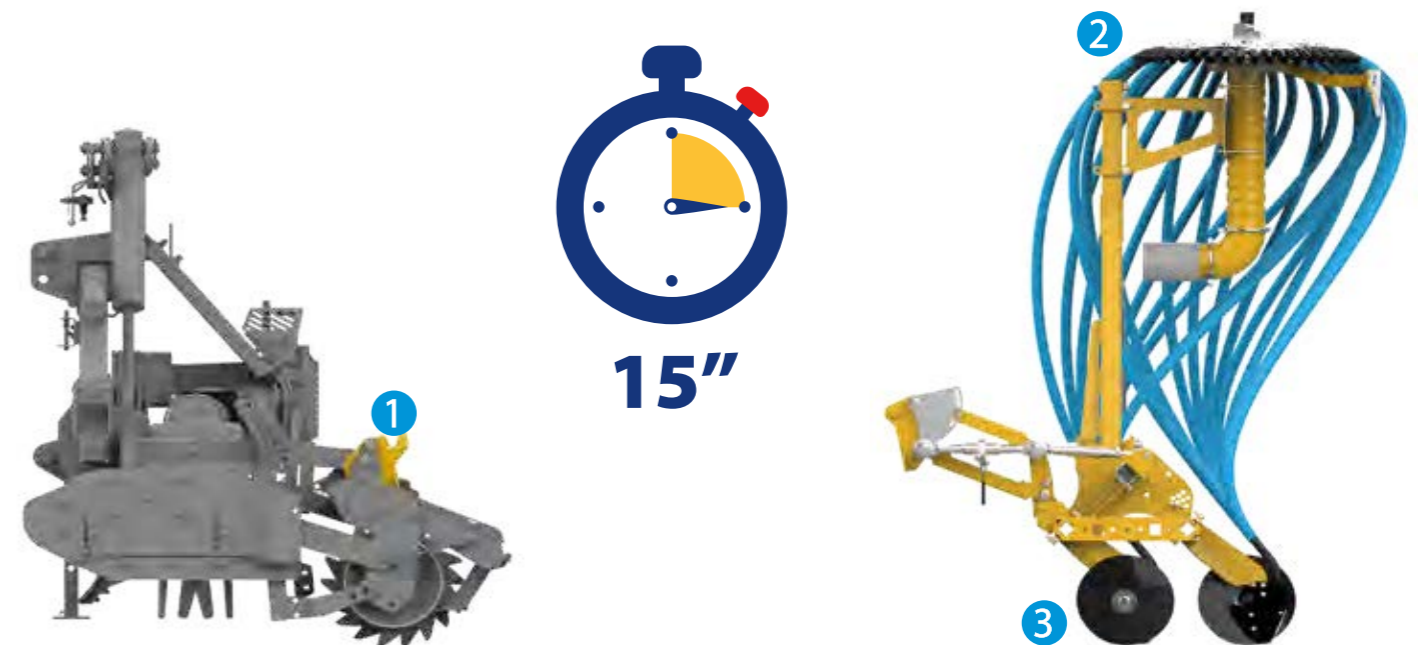
FRONT HOPPER + POWER HARROW + RUBBER BAR BITUBE



QUICK RELEASE OF THE SEEDING BAR AND DISTRIBUTION HEAD

The seeding bar is quickly and safely removed in just 15 minutes thanks to the quick release parallelogram system on the roller (1).

The centralised distribution head (2), attached to the seeding bar (3) in both rigid and foldable versions, makes it possible to safely speed up coupling and release operations (foldable versions are equipped with parking feet per standard).



PERFECT COMPATIBILITY

Interchangeability of the RUBBER seeding bar (with centralised distribution head) between power harrow DP, DTEK and DMAX and disc harrow Maratona MK. For the foldable versions, the reduced transport width is always 2.5 m.



Choosing the options

The correct option for any situation



TRACK ERASER KIT



HALF-ROCK GUARDS SET



HYDRAULIC LINKAGE FOR SEED-DRILL



HYDRAULIC DEPTH ADJUSTMENT



LEVELLING BAR ADJUSTMENT



KIT REAR PTO



SET OF QUICK-RELEASE TINE

AI-GUARD

AI-MOVE

A.I. GUARD PACKAGE

A.I. MOVE PACKAGE

Accessories and rollers	DJ	DP	DTEK	DMAX
Track eraser kit	Optional	Optional	Optional	Optional
Half-rock guards set	Optional	Optional	Optional	Optional
Hydraulic linkage for seed-drill	Optional	Optional	Optional	Optional
Hydraulic depth adjustment	Optional	Optional	Optional	Optional
Levelling bar adjustment	Optional	Optional	Optional	Optional
Kit rear Pto.	Optional	Optional	Optional	Optional
Set of quick-release tine for the ball-bearing range	Optional	Optional	Optional	Optional
Set of forged quick-release tines	Optional	Optional	Optional	Optional
A.I. GUARD package	Standard	Optional	Optional	Optional
A.I. MOVE package	Optional	Optional	Standard	Standard
Packer roller	Optional	Optional	Optional	Optional
Cage roller	Optional	Optional	Optional	Optional
Spiral roller	Optional	Optional	Optional	Optional
Spike roller	Optional	Optional	Optional	Optional
Trapeze roller	Optional	Optional	Optional	Optional
Rubber roller	Optional	Optional	Optional	Optional
Crumb roller	Optional	Optional	Optional	Optional

The choice of the roller

For a perfect soil tillage



PACKER ROLLER

The PACKER roller is the versatile roller for excellence. It offers a distribution of weights on the entire surface. With a diameter of 480, 520 or 570 mm, there is a limited risk of jamming even when the soil is sticky or in the presence of crop residues. The packer roller can work both alone and combined, its versatility allows it to work on light, clayey, silty, dry and hard soils.



CAGE ROLLER

CAGE roller is the ideal roller for working dry, medium density soils. The roller is equipped with a rod structure that guarantees optimal reconsolidation. (ø 420 mm and 500 mm)



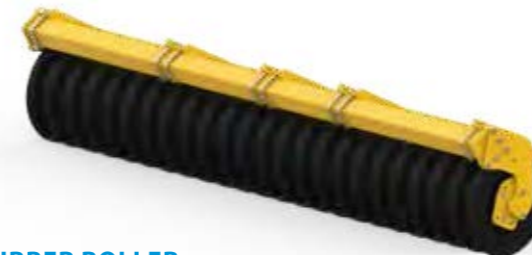
SPIRAL ROLLER

The SPIRAL roller creates a soft and uniform seeding surface and is suitable for medium and light soils. (ø 450 mm and 520 mm)



SPIKE ROLLER

The SPIKE roller is very versatile, it works well even when the soil is wet and compacted. (ø 480 mm and 560 mm)



RUBBER ROLLER

This roller is rubber-coated with the ridges spaced 12.5 cm. The roller is intended for light, wet or clay soils, and it compacts the furrow in which the seed will be laid. The rubber-covered surface does not allow the soil to stick, especially in the presence of very tacky and sticky soils, however it is not advisable to use in presence of stones. (ø 500 mm)



TRAPEZE ROLLER

The notched cast-iron roller ridges are spaced 12.5 cm or 15 cm depending on row spacing. With its diameter of 505 mm, it combines a perfect rotation and a pressing of the seeding line. Designed for the combination can also work alone. It adapts perfectly to all types of dry or wet soil, even in the presence of stones or crop residues.



CRUMB ROLLER

The CRUMB roller is suited for working in brittle soils, even when they are heavy and damp and it guarantees a good crumbling and compactation before seeding. (ø 480 and 560 mm)

FOLDABLE POWER HARROWS

120 - 500 HP



RIGID POWER HARROWS

35 - 320 HP



SUBSOILERS

75 - 500 HP



**ROTARY TILLERS
AND STONE BURIERS**

75 - 500 HP



SEED-DRILLS

75 - 320 HP



FRONT HOPPERS

120 - 500 HP



CULTIVATORS

120 - 300 HP



FLAIL MOWERS

40-220 HP

