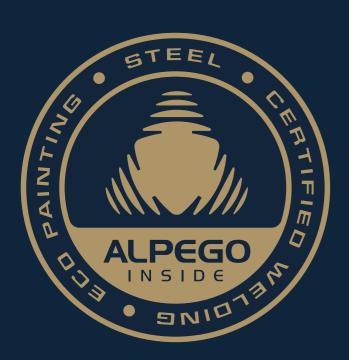
RIGID POWER HARROWS

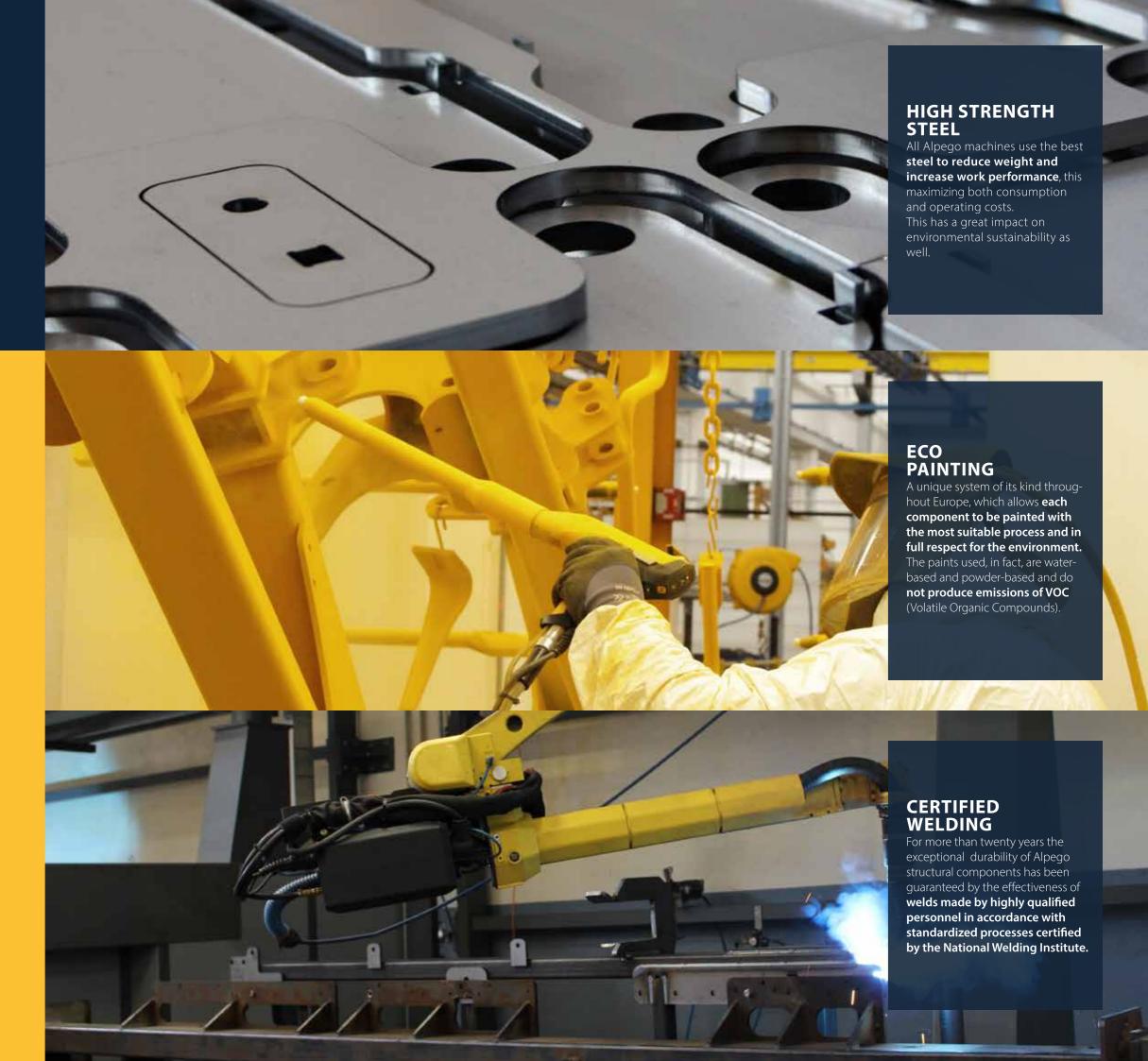






WE HAVE CREATED A COMPLETE SYSTEM BECAUSE HAVING THE BEST STEEL IS NOT ENOUGH.

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.



A complete range for all needs

Three types of mechanics for a complete range up to 4 meters wide

Power harrows have been for many years the most flexible professional machines for soil cultivation thanks to their ability to adjust to all types of soils and situations.

Moreover, their possibility to be combined with a seed drill represents a further advantageous solution even in the seed-drilling process.



































Alpego mechanics

Unique and powerful



Simple and robust

SFERA

Ball-bearing mechanics are mounted on a vast range of power harrows, with width up to 4 metres. Available in 2 structural variants, they guarantee excellent performance with relatively light weight. Implements with this solution are ideal for seedbed preparation.

TWIN FORCE TEK

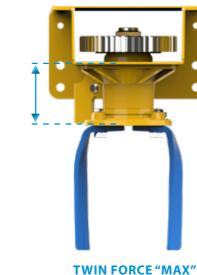
The patented TWIN FORCE TEK, used in the professional models is ideal for deep soil cultivation and combined machines. The machines equipped with this type of mechanics are suited to be used with high-power tractors.

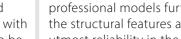
TWIN FORCE "TEK"

Clearance 130 mm

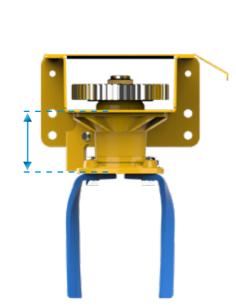
TWIN FORCE

The patented solution TWIN FORCE professional models further improves power tractors of up to 320 HP.





MAX, used in the top-of-the-range the structural features and yields the utmost reliability in the use of very high



Clearance 165 mm

The power harrows with ball-bearing mechanics manufactured by Alpego guarantee high performances on models of limited weight for tractors up to 160 HP.

The features of these mechanics are:

- 1) Shaft with a surface treatment
- 2) Dual inline ball-bearings
- 3) Upper ball-bearing is on axis with the gearbed
- 4) Upper grease nipple to insure lubrication
- 5) The rotor support is screwed on
- 6) Stone guard
- 7) Half-rock guards mounted on a plate (optional)
- 8) Labyrinth dust protection

The entire structure is screwed on from the top, which makes future maintenance procedures easier.



PRESENT ON THE FOLLOWING MODELS:









ROTOR TIMING SEQUENCE

SFERA

Clearance 75 mm

All blade supports mounted on our power harrows follow a precise sequence, avoiding vibrations on the transmission components and consequently reducing the absorbed power.



25 cm | 25 cm

TYPES OF TINES

The right tine for every need. The experience of many years in the field has led Alpego to develop a wide range of tines suited for the most varied uses. The special shape and angle of inclination guarantee an excellent crumbling with a decreased amount of power absorpion.





AVAILABLE TINES

STANDARD LAMINATED TINE



QUICK-REPLACEMENT LAMINATED TINE





HALF-ROCK GUARDS

The half-rock guards not only protect the rotors from wear and tear, they also improve the crumbling degree of the soil and the work quality.

TWIN FORCE Versatile and high-performance

TWIN FORCE **Incredibly resistant**



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 250 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:





RTEK







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 clearence.

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:



RMAX



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 th 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 320 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.

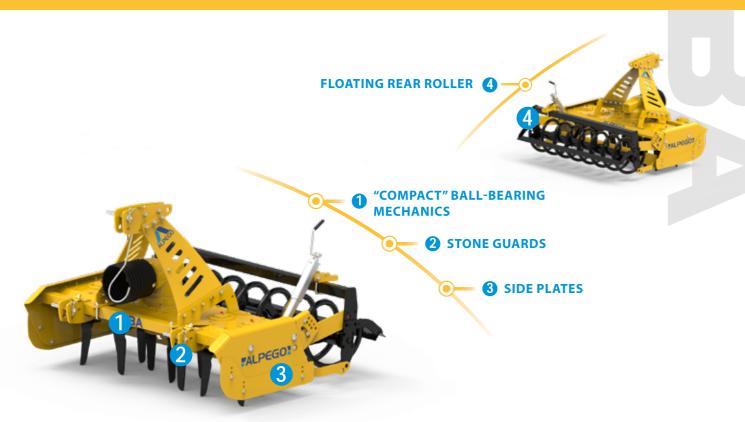
A set of the quick replacement tines can be supplied separately, as an alternative to the traditional system, or it can be mounted directly by the manufacturer and it represents a further protection for the tine-supporting plate.







Rigid power harrow for tractors up to 100 HP and working width up to 2,2 m Lightweight and compact, the BA power harrow is designed for use with the smallest, lowest-powered tractors. Its small size makes it idea for use in market gardens, vineyards and orchards.



	BA 100	BA 130	BA 150	BA 170	BA 200	BA 220
Working width (mm)	1035	1270	1505	1740	1975	2210
Transport width (mm)	1075	1310	1545	1780	2015	2250
Tractor power (HP)	35-85	40-85	46-85	51-100	57-100	62-100
Working depth (mm)	190	190	190	190	190	190
Rotors (n°)	4	5	6	7	8	9
Tines (n° rh + n° lh)	4+4	6+4	6+6	6+8	8+8	10+8
Weight with Packer roller (Kg)	375	420	465	495	540	585
Weight with Cage roller (Kg)	-	-	-	-	-	-
Weight with Spiral roller (Kg)	345	390	435	460	505	545
Weight with Spike roller (Kg)	-	-	-	_	-	-

1 "COMPACT" BALL-BEARING **MECHANICS**

The BA power harrow is equipped with "Compact" ball-bearing mechanics that combine small size and light weight with excellent structural performance. It is fitted as standard with front guards which prevent stones from getting in and damaging the rotors. Models with this solution are lightweight and reliable.

2 STONE GUARDS

The front stone guard prevent foreign bodies from getting in and damaging the rotors.

3 SIDE PLATES

Side plates with bevelled profile ideal for narrow passages, movable and adjustable in height.

4 FLOATING REAR ROLLER

Quick-adjustment floating rear roller, fitted to take levelling bar (OPTIONAL)

EQUIPMENT

Linkage cat.1, 2 and 2°N / Single-speed gearbox 540 rpm / Shear-bolt drive shaft.





Rigid power harrow for tractors up to 140 HP and working width up to 2 m

The compact, professional BV power harrow is designed mainly for use in narrow passages. With its rugged gearbox and high-strength steel structure, it is suitable for combination with the JET-A seed drill.



Rigid power harrow for tractors up to 120 HP and working width up to 3 m The rugged, multi-purpose BE power harrow is designed for use in open spaces, and with its high-strength steel structure, it is suitable for combination with the JET-A seed drill.



	BV 140	BV 160	BV 180	BV 205
Working width (mm)	1361	1596	1831	2066
Transport width (mm)	1385	1620	1855	2090
Tractor power (HP)	60-120	70-140	75-140	80-140
Working depth (mm)	250	250	250	250
Rotors (n°)	5	6	7	8
Tines (n° rh + n° lh)	4+6	6+6	8+6	8+8
Weight with Packer roller (Kg)	630	705	780	850
Weight with Cage roller (Kg)	610	630	670	735
Weight with Spiral roller (Kg)	-	-	690	755
Weight with Spike roller (Kg)	-	-	670	735

ONE HALF-ROCK GUARDS The ball-bearing mechanics is used in

One half-rock guards mounted on the plate. Their installation also facilitates the replacement of tines.

3 SIDE PLATES

Side plates with a new bevelled profile ideal for narrow paths, such as in vineyards. They are movable and adjustable in height in 4 positions.

4 COMBINATION WITH THE JET-A **PNEUMATIC SEED-DRILL**

The power harrow can easily be combined with the microgranular JET-A seed-drilll.

EQUIPMENT

Linkage cat. 1, 2 and 2N / Single-speed gearbox 540 rpm/ Shear-bolt or automatic cam clutch drive shaft (OPTIONAL) / Levelling bar mounted on the roller / One half-rock guard.



COMBINATION WITH THE JET-A **PNEUMATIC SEED-DRILL**

LINKAGE

HIGH-RESILIANCE FRAME 4 **PRESET FOR AN HYDRAULIC**

BALL-BEARING MECHANICS

Weight with Packer roller (Kg)

Weight with Cage roller (Kg)

Weight with Spiral roller (Kg)

Weight with Spike roller (Kg)

Weight with Crumb roller (Kg)

Rotors (n°)

Tines (n° rh + n° lh)

The ball-bearing mechanics is used in a wide range of power harrows and it quarantees very good structural performances for tractors of up to 120 HP. Equipped standard with front guards which prevent stones from entering and damaging the rotors. The models equipped with this solution are ideal for the preparation of the seedbed.

2 STONE GUARDS

The front stone guard prevent foreign bodies from getting in and damaging the rotors.

8+10

890

765

780

775

COMBINATION WITH THE JET-A PNEUMATIC SEED-DRILL

The power harrow can easily be combined with the microgranular JET-A seed-drilll.

4 HIGH-RESILIANCE FRAME PRESET FOR AN HYDRAULIC LINKAGE

The structure made of steel supports heavy loads.

EQUIPMENT

10

10+10

945

815

845

820

980

🔯 Linkage cat. 2, oscillating / Single-speed gearbox 540 rpm/ Shear-bolt drive shaft / Levelling bar mounted on the roller / One halfrock guard.

12

12+12

1090

915

950

930

1125

1 BALL-BEARING MECHANICS

a wide range of power harrows and

it guarantees very good structural

performances for tractors of up to

guards which prevent stones from

entering and damaging the rotors.

solution are ideal for the preparation

The models equipped with this

of the seedbed.

140 HP. Equipped standard with front



Rigid power harrow for tractors up to 160 HP and working width up to 3 m High-performing and versatile, the BG power harrow is designed mainly for use in the open field.

With its rugged gearbox and highstrength steel structure, it is suitable for combination with the JET-M seed drill.



Rigid power harrow for tractors up to 200 HP and working width up to 4 m

The RMT professional power harrow, equipped with the exclusive TWIN FORCE TEK mechanics with tapered roller bearings, is ideal for the deepest tillage and for combination with the JET-M seed drill.



	BG 250	BG 300
Working width (mm)	2511	2981
Transport width (mm)	2550	3000
Tractor power (HP)	85-160	95-160
Working depth (mm)	250	250
Rotors (n°)	10	12
Tines (n° rh + n° lh)	10+10	12+12 8
Weight with Packer roller (Kg)	1095	1245
Weight with Cage roller (Kg)	965	1070
Weight with Spiral roller (Kg)	995	1105 ig
Weight with Spike roller (Kg)	970	250 12 12+12 1245 1070 1105 1085 1085 1280 1280
Weight with Trapeze roller (Kg)	1130	1280

1 BALL-BEARING MECHANICS

The ball-bearing mechanics is used in a wide range of power harrows and it quarantees very good structural performances for tractors of up to 160 HP. Equipped standard with front guards which prevent stones from entering and damaging the rotors. The models equipped with this solution are ideal for the preparation of the seedbed.

ONE HALF-ROCK GUARDS

One half-rock guards mounted on the plate. Their installation also facilitates the replacement of tines.

SIDE PLATES

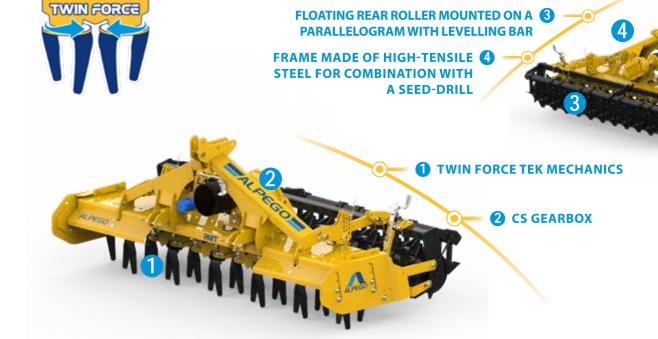
Shaped mobile side plates. The new design assists optimal soil flow towards the rear roller.

4 CS GEARBOX

Gearbox built in-house to Alpego's specifications. An efficient, rugged system with excellent thermal dissipation.

EQUIPMENT

Linkage cat. 2 / Gearbox 1000 rpm / Shear-bolt or automatic cam clutch drive shaft (OPTIONAL) / Levelling bar mounted on the roller / One half-rock guard.



	RMT 300	RMT 350	RMT 400
Working width (mm)	2933	3403	4024
Transport width (mm)	2995	3465	4086
Tractor power (HP)	95-200	105-200	115-200
Working depth (mm)	280	280	280
Rotors (n°)	12	14	16
Tines (n° rh + n° lh)	12+12	14+14	16+16
Weight with Packer roller (Kg)	1405	1650	1875
Weight with Cage roller (Kg)	1230	1440	1605
Weight with Spiral roller (Kg)	1265	1485	1655
Weight with Spike roller (Kg)	1245	1490	280 16 16+16 1875 1605 1655 1630 2235
Weight with Trapeze roller (Kg)	1750	1920	2235

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 CS GEARBOX

Gearbox built in-house to Alpego's specifications. An efficient, rugged system with excellent thermal dissipation.

FLOATING REAR ROLLER MOUNTED ON A PARALLELOGRAM WITH LEVELLING BAR

The rear roller maintains a constant angle of inclination when the working depth is changed.

4 FRAME MADE OF HIGH-TENSILE **STEEL FOR COMBINATION WITH** A SEED-DRILL

The steel structure supports heavy loads.

EQUIPMENTUsing Linkage cat. 2 / Gearbox 1000 rpm / Shear-bolt or automatic cam clutch drive shaft (OPTIONAL) / Levelling bar mounted on the roller / One half-rock guard.



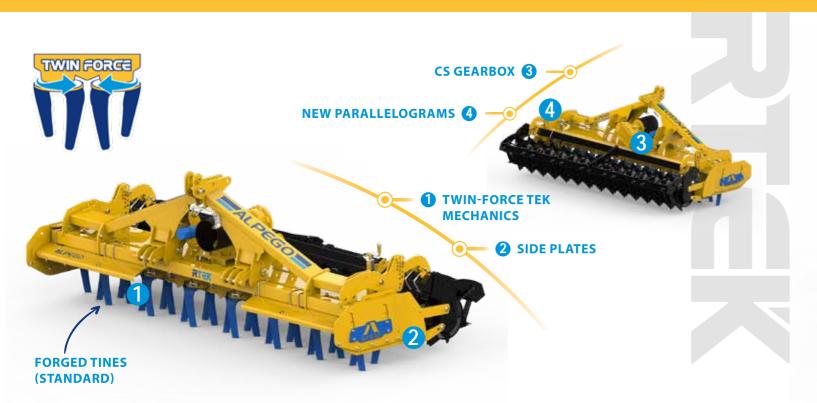
Rigid power harrow for tractors up to 250 HP and working width up to 4 m

The RTEK professional power harrow is equipped with the exclusive TWIN FORCE TEK mechanics with tapered roller bearings, making it particularly suitable for the toughest jobs and for combination with JET-M and JET-X seed drills.



Rigid power harrow for tractors up to 320 HP and working width up to 4 m

The RMAX super professional power harrow is the only one in its class with the exclusive TWIN FORCE MAX mechanics with tapered roller bearings and a particularly rugged structure. It is ideal for the most extreme jobs and for combination with the JET-X steed drill, with the utmost reliability guaranteed.



	RTEK 300	RTEK 350	RTEK 400
Working width (mm)	2933	3403	4023
Transport width (mm)	3003	3473	4093
Tractor power (HP)	120-250	130-250	150-250
Working depth (mm)	280	280	280
Rotors (n°)	12	14	16
Tines (n° rh + n° lh)	12+12	14+14	16+16
Weight with Packer roller (Kg)	1660	1835	2100
Weight with Cage roller (Kg)	1465	1625	1830
Weight with Spiral roller (Kg)	1490	1670	1880
Weight with Spike roller (Kg)	1510	1675	1855
Weight with Crumb roller (Kg)	1775	1980	2240

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 SIDE PLATES

Shaped mobile side plates. The new design assists optimal soil flow towards the rear roller.

3 CS GEARBOX

Gearbox built in-house to Alpego's specifications. An efficient, rugged system with excellent thermal dissipation.

A NEW PARALLELOGRAMS

Floating rear roller mounted on new parallelogram with levelling bar.

EQUIPMENT

Linkage cat. 3 / Gearbox 1000 rpm/ Shear-bolt or automatic cam clutch drive shaft (OPTIONAL) / Forged tines / Levelling bar mounted on the roller.

1 TWIN FORCE MAX MECHANICS

The patented solution TWIN FORCE MAX, used in the top-of-therange professional models, further improves the structural features and yields the utmost reliability in the use of very high power tractors of up to 320 HP.

STEEL FOR COMBINATION WITH A SEED-DRILL

The steel structure supports heavy loads.

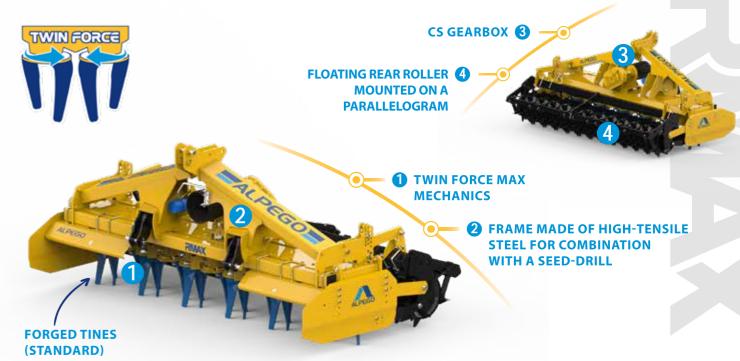
3 CS GEARBOX

1000 rpm gearbox developed according to Alpego specs. The number of revolutions of the rotors can be changed from 200 to 500 rpm. It guarantees a high thermal dispersion.

? FRAME MADE OF HIGH-TENSILE **4** FLOATING REAR ROLLER **MOUNTED ON A PARALLELOGRAM**

The rear roller maintains a constant angle of inclination when the working depth is changed.

EQUIPMENTLinkage cat. 3, oscillating / Gearbox 1000 rpm/ Shear-bolt or automatic cam clutch drive shaft / Forged tines / Levelling bar mounted on the roller.



	RMAX 300	RMAX 350	RMAX 400
Working width (mm)	2940	3410	4030
Transport width (mm)	3000	3500	4000
Tractor power (HP)	160-320	170-320	180-320
Working depth (mm)	300	300	300
Rotors (n°)	12	14	16
Tines (n° rh + n° lh)	12+12	14+14	16+16
Weight with Packer roller (Kg)	1800	2010	2290
Weight with Cage roller (Kg)	1605	1800	2020
Weight with Spiral roller (Kg)	1630	1845	2070
Weight with Spike roller (Kg)	1650	1850	2045
Weight with Crumb roller (Kg)	1915	2155	2430

Which seed-drill for which power harrow?

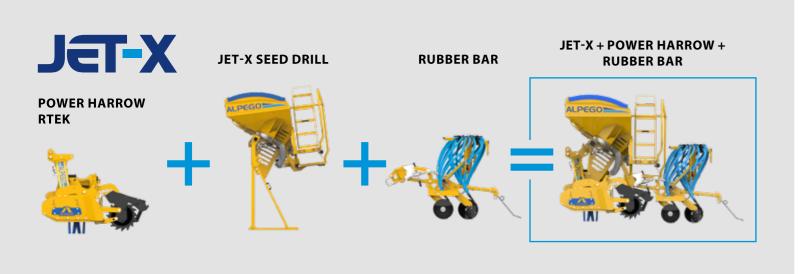
You only need to choose according to your needs

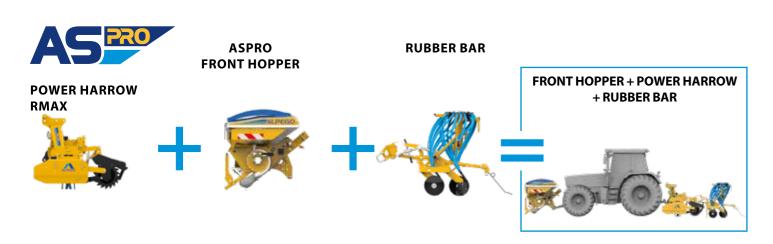
		JET-A	JET-M	JET-X ISO BUS	AS ISO BUS
		The JET-A seed drill is built for the high-precision distribution of even large seeds, mixtures, green manures and granular fertilisers in vineyards and orchards.	The JET-M seed-drill focuses on the simplicity of use and on utmost versatility. It can be combined with tractors from 85 to 250 HP.	JET-X has been created for professional and intensive agriculture under the most demanding conditions. It can work combined with tractors of up to 320 HP.	The Fertidrill 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.
ВА	TIME TO				
BV	The state of the s				
BE	Time I				
BG	T VI WILL WIT		* only for the FAST version		
RMT	TARRAGA ANAL.				
RTEK	WARRENGE STATE				
RMAX					

Power harrow or combined machine

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







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.

Only for JET-X and ASPRO



PERFECT COMPATIBILITY

Interchangeability of the RUBBER seeding bar (with centralised distribution head) between power harrow RTEK or RMAX and disc harrow Maratona MG.



Choosing the options

The correct option for any situation



LEVELLING BAR



HYDRAULIC DEPTH AD-



SET OF QUICK-RELEASE



TRACK ERASER KIT



LEVELLING BAR ADJUSTMENT



FRONT HITCH KIT





KIT REAR PTO



SET FOR THE ASSEMBLY OF
BROADCAST SEED-DRILL



ROADCAST SEED-DRILL	DV/			
	ROADC	AST SEED-	DRILL	
	- I F()K	THE ASSEM	ARLY ()F	

HYDRAULIC LINKAGE FOR

Optional

Standard

Not available

SEED-DRILL

BROADCAST SEED DRIEE							
Accessories and rollers	ВА	BV	BE	BG	RMT	RTEK	RMAX
Levelling bar							
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 for the ball-bearing range							
Set of forged quick-release tines							
Front hitch kit							
Set for the assembly of broadcast seed-drill							
Packer roller							
Cage roller							
Spiral roller							
Spike roller							
Trapeze roller							
Rubber roller							
Crumb roller							

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. The packer roller can work both alone and combined, its versatility allows it to work on light, clayey, silty, dry and hard soils. (ø 480 mm, 520 mm and 570 mm)



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

Roller consisting of rubber ridges with plastic ring spacers, available with row spacing of 12.5 and 15 cm. Intended in particular for wet, clay and sticky soils, to ensure rotation at all times. Not recommended for stony soils (ø 500 mm and 590 mm)



TRAPEZE ROLLER

The notched cast-iron roller ridges are spaced 12.5 cm or 15 cm depending on row spacing. 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. (ø 505 mm)



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)



Alpego S.p.a con Socio Unico

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9.0400520 Depliant Erpici Rotanti FISSI EN





RIGID POWER HARROWS

35 - 320 HP



SUBSOILERS



ROTARY TILLERS



SEED-DRILLS



FRONT HOPPERS



CULTIVATORS



FLAIL MOWERS

40-220 HP

