RIGID AND FOLDING POWER HARROWS

Robust and Reliable



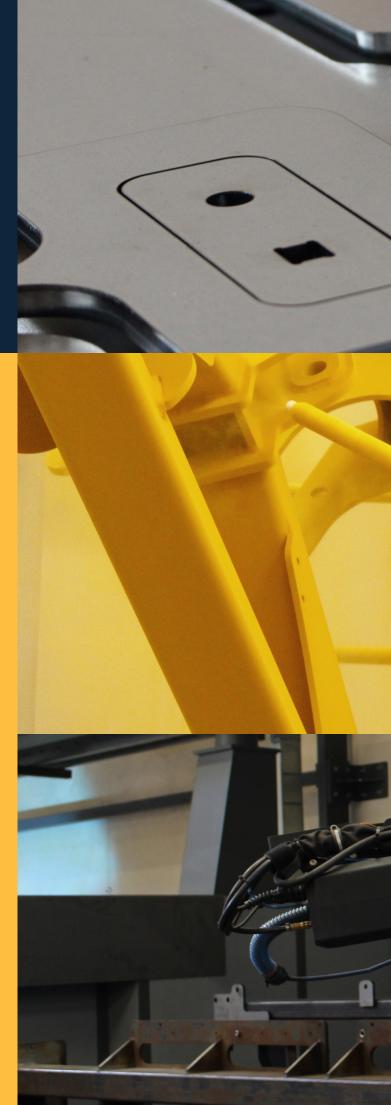




THE BUILD QUALITY, DURABILITY AND ENVIRONMENTAL CREDENTIALS OF ALPEGO MACHINERY IS SECOND TO NONE

The ALPEGO INSIDE label on every machine is a mark of quality, representing attention to detail at every stage of manufacturing. To produce each machine the highest quality materials are combined with certified welding and production processes.

The factory utilises modern, state-of-the-art machinery and a sustainable painting process to minimise the environmental impact of manufacturing. ALPEGO INSIDE ensures exceptional performance and durability.



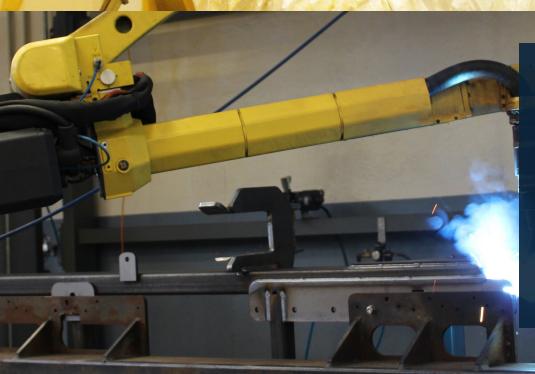
HIGHEST QUALITY STEEL

All Alpego machines are built with the highest quality steel to provide strength and reduce weight whilst maintaining the required operational performance. This reduces running costs, ensures longevity and ultimately improves environmental sustainability of all Alpego products.

ECO PAINTING

The only system of its kind throughout Europe, the Alpego paint system allows components to be painted with either a powder or water based process, depending on which best suits its application.

Both processes use the most up-todate technology and zero emissions materials.



CERTIFIED WELDING

Both manual and robotic welding at Alpego are certified by the Italian National Welding Institute, combined with consistent quality control processes this ensures exceptional durability of components and the finished machines.

A complete range for all your needs

The Alpego rigid power harrow range is available in 4 working widths from 2.5m-4m and suitable for tractors from 85-320hp. All models feature close rotor spacing for fine tilth and can be combined with a seed drill for use as a one pass establishment tool.

Rigid models





3-4m 160-320hp Page 14







The advantages of Alpego rigid power harrows

Details that make a difference

PARALLELOGRAM MOUNTED REAR ROLLER

- The RMT, RTEK and RMAX models feature a rear roller mounted on a parallelogram linkage.
- The parallelogram linkage ensures the rear roller maintains a constant angle when the working depth is altered.



• When used in combination with a seed drill the parallelogram linkage ensures the angle of the frame stays the same, which allows the power harrow depth to be adjusted without affecting the coulter pressure or depth.

LEVELLING BAR MOUNTED ON REAR ROLLER

• This means the levelling bar doesn't need adjusting every time the power harrow depth is changed.



• When used in combination with a seed drill consistent coulter pressure and depth are maintained as the power harrow is adjusted.

RAPIDO QUICK FIT TINES

Quick and simple replacement, no need for spanners or tools. All rigid models come as standard with RAPIDO quick fit tines. A number of different tine options are available, including:

- RAPIDO Quick Fit Steel Tine
- RAPIDO Quick Fit Drop Forged Tine
- RAPIDO Quick Fit Drop Forged **Wearproof** Tungsten Carbide Coated Tine
- RAPIDO Quick Fit Drop Forged Tungsten Tine

BENEFITS OF DROP FORGING

- Accurate size, shape and quality
- Harder wearing for longer life and reduced wearing metal cost
- Superior strength and durability



A complete range for all your needs

The Alpego folding power harrow range is available in working widths from 4m-8m and suitable for tractors from 130-500hp. All models feature close rotor spacing for fine tilth and can be combined with a seed drill for use as a one pass establishment tool.

Folding models



The advantages of Alpego folding power harrows

Details that make a difference

PARALLELOGRAM MOUNTED REAR ROLLER

- DP, DTEK and DMAX models feature a rear roller mounted on a parallelogram linkage.
- The parallelogram linkage ensures the rear roller maintains a constant angle when the working depth is altered.



• When used in combination with a seed drill the parallelogram linkage ensures the angle of the frame stays the same, which allows the power harrow depth to be adjusted without affecting the coulter pressure or depth.

LEVELLING BAR MOUNTED ON REAR ROLLER

• This means the levelling bar doesn't need adjusting every time the power harrow depth is changed.



• When used in combination with a seed drill consistent coulter pressure and depth are maintained as the power harrow is adjusted.

RAPIDO QUICK FIT TINES - FITTED TO DTEK AND DMAX MODELS

Quick and simple replacement, no need for spanners or tools.

- RAPIDO Quick Fit Steel Tine
- RAPIDO Quick Fit Drop Forged Tine
- RAPIDO Quick Fit Drop Forged Wearproof Tungsten Carbide Coated Tine
- RAPIDO Quick Fit Drop Forged Tungsten Tine

BENEFITS OF DROP FORGING

- Accurate size, shape and quality
- · Harder wearing for longer life and reduced wearing metal cost
- Superior strength and durability

OSCILLATING FRAME

20

A feature on all Alpego folding power harrows, the contour following oscillating frame, allows the power harrow wing sections to float up and down up to 10° whilst the headstock remains rigid. (20° float in total). The wing sections can be fixed if required.



20

Alpego engineering

Alpego inside - engineered solutions

THREE DIFFERENT ROTOR AND TROUGH DESIGNS SUITABLE FOR DIFFERENT APPLICATIONS



ROTOR AND TROUGH DESIGN

The Alpego BG rigid, DJ and DP folding models utilise the SFERA rotor and trough design which consists of heavy-duty ball bearings and 37.5mm diameter hardened rotor shaft.





SFERA 75mm trough clearance Ball bearings 37.5mm diameter rotor shaft 300 X 12mm tines



ROTOR AND TROUGH DESIGN

A solution for higher hp tractors, the patented TWIN FORCE TEK models feature a 40mm diameter hardened rotor shaft and Timken taper roller bearings.

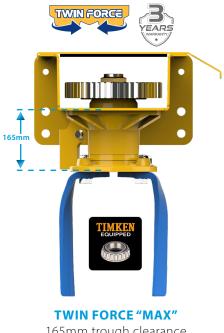


TWIN FORCE "TEK" 130mm trough clearance Taper roller bearings 40mm diameter rotor shaft 305 X 14mm tines

| SFERA | BG | ſQ | DP |
|----------------|------|------|------|
| TWIN FORCE TEK | RMT | RTEK | DTEK |
| TWIN FORCE MAX | RMAX | DMAX | |



The ultra heavy-duty option, suitable for tractors up to 500hp. The patented TWIN FORCE MAX models feature a 55mm diameter hardened rotor shaft and Timken taper roller bearings.



165mm trough clearanceTaper roller bearings55mm diameter rotor shaft315 X 18mm tines



The patented TWIN FORCE TEK models feature a matched pair of rotors fitted with calibrated taper roller bearing sets. This ensures consistent build tolerances across the power harrow trough and in turn reliability and longevity.



GEAR SWITCHING

Simple gear change to suit the rotor speed to the job in hand.

BESPOKE GEARBOX

The bespoke Alpego designed gear box has:

- Large diameter bevel gears
- A high-volume gear box casing
- A design that promotes excellent oil flow around the gears
- Market leading cooling, by allowing heat to radiate and dissipate efficiently

LUBRICANTS

Alpego lubricants are made with specific characteristics to suit their machines, this ensures optimal lubrication and cooling.

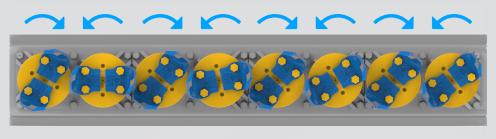


CLOSE ROTOR SPACING PRODUCING A FINE TILTH

• For the best quality finish

ROTOR TIMING

Alpego power harrow rotors are timed to follow a precise sequence which reduces the load on the power harrow transmission and tractor hp requirements.



25 cm 25 cm 25 cm 25 cm 25 cm 25 cm 25 cm

TINE OPTIONS

BOLT ON STEEL TINE



RAPIDO QUICK FIT RAPID STEEL TINE DROP F



RAPIDO QUICK FIT DROP FORGED TINE



RAPIDO QUICK FIT DROP FORGED WEARPROOF TUNGSTEN CARBIDE COATED TINE



RAPIDO QUICK FIT DROP FORGED TUNGSTEN TINE



Tungsten Carbide coated for longer life, suitable for stoney ground.

Fitted with a Tungsten tile for the longest life. Not suitable for stoney ground.

Medium and heavy duty rigid and folding power harrows

SFERA rotor and trough design power harrows from 85-300hp





SFERA



SFERA DESIGN:

- Hardened rotor shaft
- HD ball bearings
- Grease nipple to lubricate top bearing
- Bolt on rotor support
- Stone guards
- Four rotors per metre producing a fine tilth
- 37.5mm 0 rotor shaft



GEARBOX

Large diameter bevel gears and simple gear change to suit the required rotor speed. High-volume gear box casing allows oil flow resulting in excellent heat dissipation.

2 SFERA ROTOR AND TROUGH

High performance rotor and trough.

B RAPIDO QUICK FIT TINES

Quick and simple replacement, no need for spanners or tools.

4 STONE GUARDS

Prevent stones from entering and damaging the rotors.

6 LONG ADJUSTABLE SIDE PLATES

Adjustable side plates, prevent soil spilling out of the side of the power harrow.

6 FLOATING REAR ROLLER

All Alpego power harrows feature a floating rear roller.

LEVELLING BAR MOUNTED TO REAR ROLLER

Easy simultaneous depth adjustment. No need to adjust the levelling bar each time the power harrow depth is changed.

B PARALLELOGRAM ROLLER LINKAGE (DP MODELS ONLY)

Parallelogram linkage system ensures the rear roller maintains a constant angle when the working depth is altered.

OSCILLATING FRAME (FOLDING MODELS ONLY)

A feature on all folding power harrows, the contour following oscillating frame, allows the power harrow wing sections to float up and down up to 10° whilst the headstock remains rigid. (20° float in total).

(FOLDING MODELS ONLY)

The two Walterscheid lateral drive shafts, on folding power harrows are each fitted with a cam clutch to protect the drive line.

BG RAPIDO EQUIPMENT

- Four rotors per metre producing a fine tilth
- RAPIDO quick fit tines as standard
- Cat II linkage
- 6 spline PTO, 1000rpm
- Shear bolt drive line protection

DJ EQUIPMENT

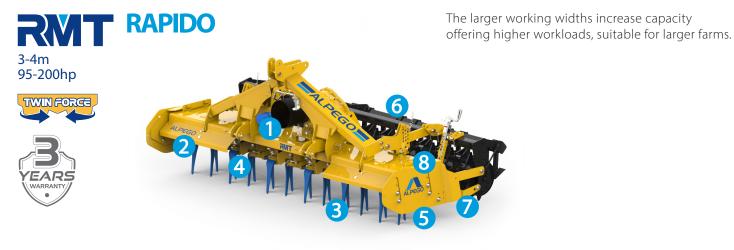
- Four rotors per metre producing a fine tilth
 - Bolt on tines
- Cat II and III linkage
- 6 spline PTO, 1000rpm
- Cam clutch on wing gearboxes

DP EQUIPMENT

- Four rotors per metre producing a fine tilth
 - Bolt on tines
 - Cat III and IV linkage
 - 6 spline PTO, 1000rpm
 - Cam clutch on wing gearboxes

Heavy duty rigid and folding power harrows

TWIN FORCE TEK rotor and trough design from 95-350hp



<image>



TWIN FORCETEK



TWIN FORCE TEK DESIGN:

- High performance up to 350hp
- Hardened rotor shaft
- Taper roller bearings
- Stone guards
- 4 rotors per metre giving fine soil cultivation, producing a fine tilth
- 40mm 0 rotor shaft



GEARBOX

Large diameter bevel gears and simple gear change to suit the required rotor speed. High-volume gear box casing allows oil flow resulting in excellent heat dissipation.

2 TWIN FORCE TEK ROTOR AND TROUGH DESIGN

High performance heavy-duty rotor and trough.

RAPIDO QUICK FIT DROP FORGED TINES

Quick and simple replacement, no need for spanners or tools. Hard wearing for longer life.

4 STONE GUARDS

Prevent stones from entering and damaging the rotors.

6 LONG ADJUSTABLE SIDE PLATES

Adjustable side plates, prevent soil spilling out of the side of the power harrow.

6 FLOATING REAR ROLLER

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LEVELLING BAR MOUNTED TO REAR ROLLER

Easy simultaneous depth adjustment. No need to adjust the levelling bar each time the power harrow depth is changed.

PARALLELOGRAM ROLLER LINKAGE

Parallelogram linkage system ensures the rear roller maintains a constant angle when the working depth is altered.

OSCILLATING FRAME (FOLDING MODELS ONLY)

A feature on all folding power harrows, the contour following oscillating frame, allows the power harrow wing sections to float up and down up to 10° whilst the headstock remains rigid. (20° float in total).

(CAM CLUTCH (FOLDING MODELS ONLY)

The two Walterscheid lateral drive shafts, on folding power harrows are each fitted with a cam clutch to protect the drive line.

👸 RMT RAPIDO EQUIPMENT

- Four rotors per metre producing a fine tilth
- RAPIDO quick fit drop forged tines
- Cat II and III linkage
- 6 spline PTO, 1000rpm
- Cam clutch drive line protection
- Adjustable side plates

RTEK RAPIDO EQUIPMENT

- Four rotors per metre producing a fine tilth
- RAPIDO quick fit drop forged tines
- Cat II and III linkage
- 6 spline PTO, 1000rpm
- Cam clutch drive line protection
- Adjustable side plates

🏂 DTEK RAPIDO EQUIPMENT

- Four rotors per metre producing a fine tilth
 - RAPIDO quick fit drop forged tines
 - Cat III and IV linkage
 - 6 spline PTO, 1000rpm
 - Cam clutch on wing gearboxes
 - Marker boards and lights
 - Hydraulic transport lock

Ultra heavy duty rigid and folding power harrows

TWIN FORCE MAX rotor and trough design from 160-500HP providing maximum reliability





TWIN FORCE MAX



TWIN FORCE MAX DESIGN:

- High performance up to 500hp
- Hardened rotor shaft
- Taper roller bearings
- Stone guards
- 4 rotors per metre giving fine soil cultivation, producing a fine tilth
- 55mm 0 rotor shaft



GEARBOX

Large diameter bevel gears and simple gear change to suit the required rotor speed. High-volume gear box casing allows oil flow resulting in excellent heat dissipation.

2 TWIN FORCE MAX ROTOR AND TROUGH DESIGN

High performance heavy-duty rotor and trough.

RAPIDO QUICK FIT DROP FORGED TINES

Quick and simple replacement, no need for spanners or tools. Hard wearing for longer life.

4 STONE GUARDS

Prevent stones from entering and damaging the rotors.

6 LONG ADJUSTABLE SIDE PLATES

Adjustable side plates, prevent soil spilling out of the side of the power harrow.

6 FLOATING REAR ROLLER

All Alpego power harrows feature a floating rear roller.

LEVELLING BAR MOUNTED TO REAR ROLLER

Easy simultaneous depth adjustment. No need to adjust the levelling bar each time the power harrow depth is changed.

8 PARALLELOGRAM ROLLER LINKAGE

Parallelogram linkage system ensures the rear roller maintains a constant angle when the working depth is altered.

OSCILLATING FRAME (FOLDING MODELS ONLY)

A feature on all folding power harrows, the contour following oscillating frame, allows the power harrow wing sections to float up and down up to 10° whilst the headstock remains rigid. (20° float in total).

(CAM CLUTCH (FOLDING MODELS ONLY)

The two Walterscheid lateral drive shafts, on folding power harrows are each fitted with a cam clutch to protect the drive line.

AI GUARD CONTROLLER

Available on the top of the range folding DMAX models, the AI-GUARD monitors the temperature of the gearbox and the rotor speed. Visual and acoustic alarms provide service alerts.

RMAX RAPIDO EQUIPMENT

- Four rotors per metre producing a fine tilth
- RAPIDO quick fit drop forged tines
- Cat III linkage
- 6 spline PTO, 1000rpm
- Cam clutch drive line
 protection

🈚 DMAX RAPIDO EQUIPMENT

- Four rotors per metre producing a fine tilth
 - RAPIDO quick fit drop forged tines
 - Cat III and IV linkage
 - 20 spline PTO, 1000rpm
 - Cam clutch on wing gearboxes
 - Marker boards and lights
 - Hydraulic transport lock
 - AI-GUARD

Which seed-drill for which power harrow?

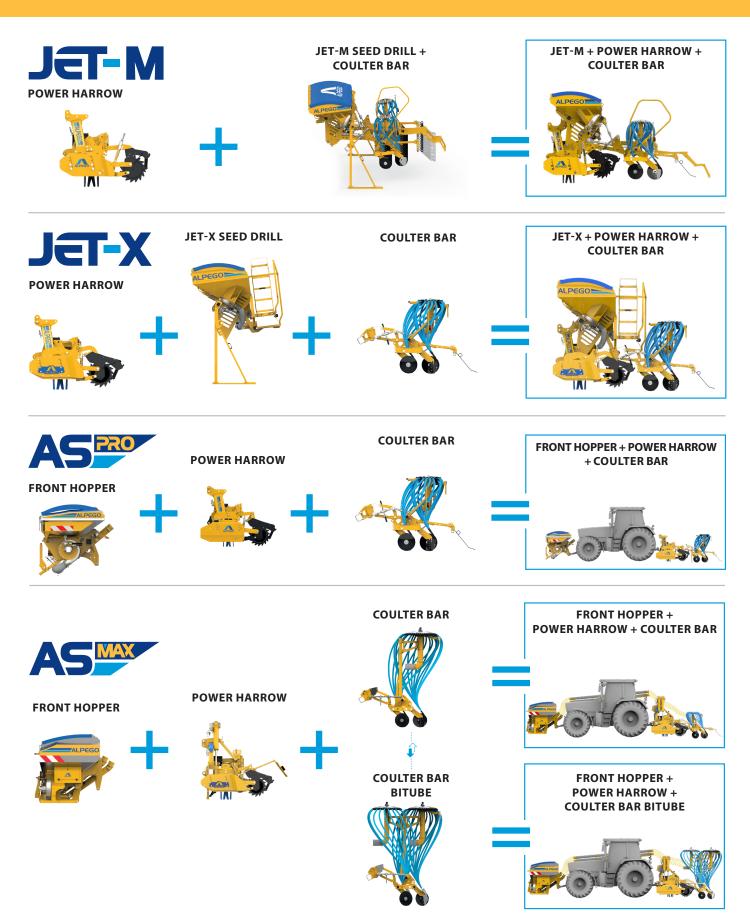
Select your ideal combination

| | | JET-M | JET-X | ASPRO | ASMAX |
|------|--|-------|-------|-------|-------|
| BG | The BG is a medium duty power harrow suitable for tractors from 85 to 160hp, it is the perfect partner for a Jet M combination drill on lighter weight tractors. | | | | |
| RMT | The RMT is a heavy duty power harrow suitable for tractors from 95 to 200hp, it features Alpego TWIN FORCE TEK and a packer roller mounted on parallelogram linkage to ensure the coulter depth is not altered when the power harrow depth is adjusted. The RMT in partnership with a Jet M drill provides a professional combination. | | | | |
| RTEK | The RTEK is an extra heavy duty power harrow suitable for tractors from 120 to 250hp, it features Alpego TWIN FORCE TEK and a packer roller mounted on parallelogram linkage to ensure the coulter depth is not altered when the power harrow depth is adjusted. The RTEK is able to work in combination with a Jet M or Jet X drill on higher horsepower tractors. | | | | |
| RMAX | The RMAX is an ultra heavy duty power harrow suitable for tractors from 160 to 320hp. It features Alpego TWIN FORCE MAX and a packer roller mounted on parallelogram linkage to ensure the coulter depth is not altered when the power harrow depth is adjusted. The RMAX is the ideal power harrow to work with the Jet X combination drill in the toughest conditions with heavy workloads. | | | | |
| | The DP is a heavy duty folding power harrow suitable for tractors from 140 to 300hp. It provides the ideal partnership between weight and performance when combined with the ASPRO or ASMAX front hoppers. | | | | |
| | The DTEK is an extra heavy duty folding power harrow suitable for tractors from 150 to 350hp. It features Alpego TWIN FORCE TEK and a packer roller mounted on parallelogram linkage to ensure the coulter depth is not altered when the power harrow depth is adjusted. It provides a high output machine when combined with the ASPRO or ASMAX front hoppers. | | | | |
| | The DMAX is an ultra heavy duty folding power harrow suitable for tractors from 180 to 500hp. It features Alpego TWIN FORCE MAX and a packer roller mounted on parallelogram linkage to ensure the coulter depth is not altered when the power harrow depth is adjusted. When combined with a ASPRO or ASMAX front hopper the DMAX provides a high output, heavy duty combination for the largest of tractors. | | | | |

Flexibility to suit your needs

Power harrow or combination drill in only 15 minutes





Power harrow options

Customise your power harrow



TRACK ERADICATOR KIT



HYDRAULIC DEPTH ADJUSTMENT



LEVELLING BAR ADJUSTMENT



SET OF QUICK-RELEASE TINE (DP AND DJ MODELS)

| Accessories and rollers | BG | RMT | RTEK | RMAX | DJ | DP | DTEK | DMAX |
|------------------------------------|----|-----|------|------|----|----|------|------|
| Levelling bar | | | | | | | | |
| Track eradicator kit | | | | | | | | |
| Hydraulic depth adjustment | | | | | | | | |
| Hydraulic levelling bar adjustment | | | | | | | | |
| RAPIDO tine option | | | | | | | | |
| Packer roller | | | | | | | | |

Optional

Standard

Rear rollers

For perfect soil tillage



PACKER ROLLER

Alpego packer rollers are available in 480, 520 or 570mm diameters depending on the power harrow they are fitted to. They are fitted with centrally adjustable individual scrapers and a levelling board. The levelling board is mounted to the front of the power harrow preventing multiple adjustments when the power harrow depth is altered.



CAGE ROLLER

The CAGE roller is available in 420 and 500mm diameters and is ideal for working dry, light to medium soils. The roller controls the power harrow depth and helical horizontal tubes break clods whilst leaving an open surface.



TRAPEZE ROLLER

The Trapeze roller is 505mm in diameter and has notched ridges which provide additional drive in soft soil. The notched cast-steel roller ridges are spaced at 12.5cm or 15cm centres to line-up with the drill coulters and provide a small furrow for the disc coulter to work in. The end result is excellent soil to seed contact and improved germination and establishment.

Models and specifications

The correct specification for any situation

| | Working width (mm) | Transport width (mm) | Tractor power (hp) | Working depth (mm) | Rotors/ tine (no.) | Weight with packer roller (kg) |
|----------------|-----------------------|-------------------------|-----------------------|-----------------------|-----------------------|--------------------------------------|
| RIGID MODELS | | | | | | |
| BG 250 | 2511 | 2550 | 85-160 | 250 | 10/20 | 1095 |
| BG 300 | 2981 | 3000 | 95-160 | 250 | 12/24 | 1245 |
| RMT 300 | 2933 | 2995 | 95-200 | 280 | 12/24 | 1405 |
| RMT 350 | 3403 | 3465 | 105-200 | 280 | 14/28 | 1650 |
| RMT 400 | 4024 | 4086 | 115-200 | 280 | 16/32 | 1875 |
| RTEK 300 | 2933 | 3003 | 120-250 | 280 | 12/24 | 1660 |
| RTEK 350 | 3403 | 3473 | 130-250 | 280 | 14/28 | 1835 |
| RTEK 400 | 4023 | 4093 | 150-250 | 280 | 16/32 | 2100 |
| RMAX 300 | 2940 | 3000 | 160-320 | 300 | 12/24 | 1800 |
| RMAX 350 | 3410 | 3500 | 170-320 | 300 | 14/28 | 2010 |
| RMAX 400 | 4030 | 4000 | 180-320 | 300 | 16/32 | 2290 |
| FOLDING MODELS | | | | | | |
| DJ 400 | 4000 | 2500 | 130-240 | 250 | 16/32 | 1990 |
| DJ 460 | 4600 | 2500 | 140-240 | 250 | 18/36 | 2190 |
| DJ 500 | 5000 | 2500 | 150-240 | 250 | 20/40 | 2280 |
| DP 400 | 4000 | 2500 | 140-300 | 250 | 16/32 | 2430 |
| DP 500 | 5000 | 2500 | 160-300 | 250 | 20/40 | 2710 |
| DP 600 | 6000 | 2500 | 170-300 | 250 | 24/48 | 3030 |
| DTEK PLUS 400 | 4032 | 2450 | 150-350 | 280 | 16/32 | 2735 |
| DTEK PLUS 450 | 4502 | 2450 | 155-350 | 280 | 18/36 | 2950 |
| DTEK PLUS 500 | 4972 | 2450 | 160-350 | 280 | 20/40 | 3080 |
| DTEK PLUS 600 | 5912 | 2450 | 175-350 | 280 | 24/48 | 3485 |
| DTEK PLUS 700 | 6852 | 2450 | 190-350 | 280 | 28/56 | 3790 |
| DMAX 450 | 4562 | 2500 | 180-440 | 300 | 18/36 | 3415 |
| DMAX 500 | 5032 | 2500 | 180-440 | 300 | 20/40 | 3600 |
| DMAX 600 | 5972 | 2500 | 200-440 | 300 | 24/48 | 4050 |
| DMAX 700 | 6914 | 2500 | 250-500 | 300 | 28/56 | 5000 |
| DMAX 800 | 7854 | 2500 | 250-500 | 300 | 32/64 | 5430 |



2 YEAR WARRANTY ON ALL ALPEGO PRODUCTS + SERENITY COVER

For full terms and conditions or if you would like further information about the warranty on any ALPEGO product please don't hesitate to contact your local dealer or an ALPEGO representative.

| YEAR 1 | YEAR 2 | YEAR 3 |
|--------------------------|-----------------------|--|
| Full parts and labour | Limited parts only | TWIN FORCE power harrows serenity cover* |

* Terms and Conditions apply.





OPICO Profit from our knowledge

OPICO is committed to support your machine throughout its working life.

A full range of genuine ALPEGO wearing parts are available from your local dealer.

OPICO Ltd. Cherry Holt Road, Bourne, Lincolnshire PE10 9LA. ask@opico.co.uk opico.co.uk 01778 421111 @opicoag



(V2) 21/11/24

