Semi-mounted Ploughs

Kverneland

Quality Ploughs for the Professional Farmer

Semi-mounted Ploughs

High performance in all conditions

"We are confident, we have the Best plough in the world"

Kverneland unsurpassed steel technology

Kverneland ploughs ready to be shipped from Klepp, Norway

Kverneland plough factory.
The site is located where O.G. Kverneland forge was.

Kverneland is world renowned and unequalled in producing ploughs for high performance and low operating costs.

Innovation from the start
In 1879 at the age of 25, Ole Gabriel Kverneland founded his smithy business in a small village south of Stavanger, Norway. As he was brought up on a farm and educated in agriculture he subsequently understood all the machinery requirements of farmers. He strongly believed in innovation and realized that a mouldboard plough must be able to withstand the very tough stony soil conditions of Norway. Over the years, he together with his team of engineers developed special steel heat treatment processes to allow his ploughs to work in the toughest of soil. Using these new steels of unique strength, Kverneland succeeded in manufacturing robust ploughs thus gaining a strong reputation for quality. Today, Kverneland is the leading manufacturer of ploughs and has a very strong market position throughout the world.

Customer orientated
The tradition of customer orientated product development has resulted in the long record of innovations and in becoming a leading plough brand in the industry. High priority is given to building close relationships with end users. Systematic follow up of individual customer experience helps Kverneland to adapt products to better match farmer's requirements.

12 hours carburising heat treatment process for each mouldboard

Kverneland unique steels and heat treatments to the complete plough. A guarantee for durable high performance.
Scan the QR code: Video Kverneland secrets are under the paint

The secret is under the paint

Kverneland's unique steel
More than 135 years of experience in developing special steels and heat treatment processes have resulted in unsurpassed quality and wear resistance.

The heat treatment processes are carried out and adapted not only to a few selected parts but to the complete plough. This results in ploughs lighter than competitors´ and extremely robust while delivering outstanding performance.

Induction hardened frame
To guarantee the durability of the plough, Kverneland heat treats the frame as well. Most competitors do not. The induction process allows using lesser steel than competitors, therefore less weight to pull and lift while ensuring a higher resistance.
Video: Kverneland secrets are under the paint

Kverneland carburising process results in creating 2 steels in 1 sole mouldboard:
a: sharp as a diamond for optimum wear resistance
b: necessary flexibility to absorb shocks

For the highest ploughing performance, Kverneland also grinds the different parts forming the body to ensure its uniformity for an even furrow.

Kverneland Ploughmen Experience

Why choosing Kverneland?

Kverneland ploughmen experience

Robust, easy, high performance
"In my opinion ploughing yields good crops, even during extreme conditions. The simple and robust construction and the easy adjustment are the main advantages of our Kverneland plough".

Johannes Bendele (German national ploughing champion)

Low running costs
"I did try other ploughs in the past, but I like the Kverneland for the job it does, and the low running costs".

Michael & Gabriel Hoey (Ireland)

Easy adjustments
"A Kverneland plough is strong, light and easy to adjust. You adjust once and you're done."

Bjarne (Denmark)

Body 28
"I like the wide furrow left by the N 28. Most tractors have wide profile tyres and this new body type prevents the furrow walls being collapsed by the tractor tyres."

James English (Ireland)

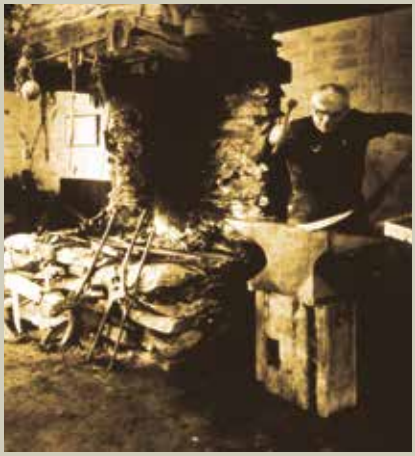
Quality ploughing
"I am very impressed with the quality of finish that my Kverneland creates".

Robert Cross (UK)

More than 135 years of dual competences that benefit farmers

High second hand value
"I have used Kverneland ploughs for 30 years but also tried other brands. They had higher operation costs than Kverneland…
The Kverneland ploughs have a good second hand price".

Karl Christian (Denmark)



O.G. Kverneland: black smith & ploughman
Here demonstrating how well balanced his ploughs are. Even today Kverneland R&D employees are also ploughmen.

Low draft
"I have just changed to a Kverneland plough. It's hard to understand just where the improvements have come from – perhaps it's the No. 28 bodies or the quality of metal used – but we can now plough three hours extra every day without having to refuel. There is just something about the way the plough handles soil – it really is impressive".

Gary Farley (UK)

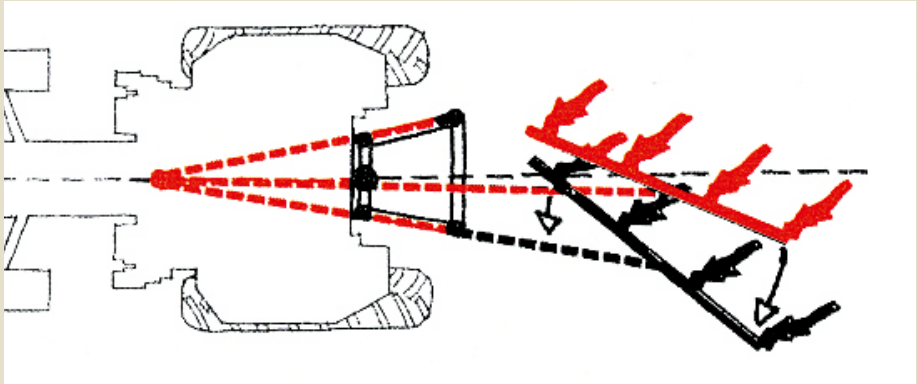
Handy Packomat
"The Packomat enables an immediate soil preparation during one pass. It is also very handy. Nothing to hook or unhook on headlands."

Pokorný Petr (Czech Republic)

Perfect Auto-reset
"I appreciate very much the Auto-reset system which works perfectly and has no maintainance cost".

Frederic Sonveau (France)

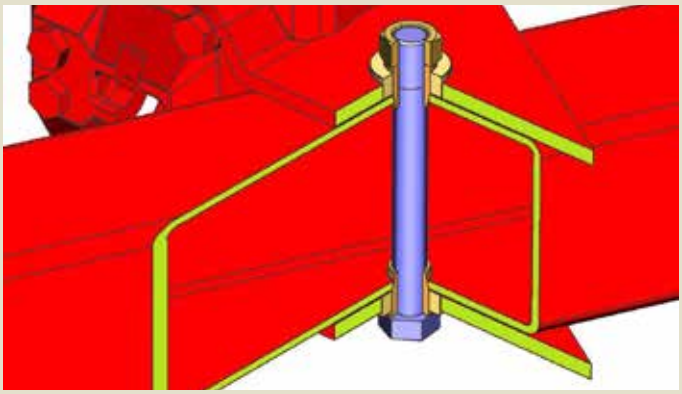
Variation on the move



Auto-Line:
Kverneland Auto-line system is a standard device which guarantees the correct pulling line at any time. When changing the working width, both front furrow width and pulling line adjust accordingly. Kverneland Auto-line system makes these adjustments automatically.

The position of the headstock remains in the center of the tractor, all the time, ensuring a favorable and an even geometry of the three point linkage.

Side pull and unnecessary high landside pressure are therefore avoided. Consequently, the Kverneland Auto-line system ensures an efficient ploughing with less fuel consumption.



Non-wearing pivot joint
The heat-treated mainframe together with the bolt, distance tube, two cones and bushes ensure a unique non-wearing pivot joint between the beams and the mainframe.

Kverneland Variomat® system allows the optimal match between the soil conditions, the plough and the tractor for the maximum output. Kverneland's patented Variomat® is the most reliable system on the market. It also ensures the correct parallel linkage along the whole plough. The pulling line adjustments are hence automatic. The benefits are easy handling, low draft requirements, low wear and tear.

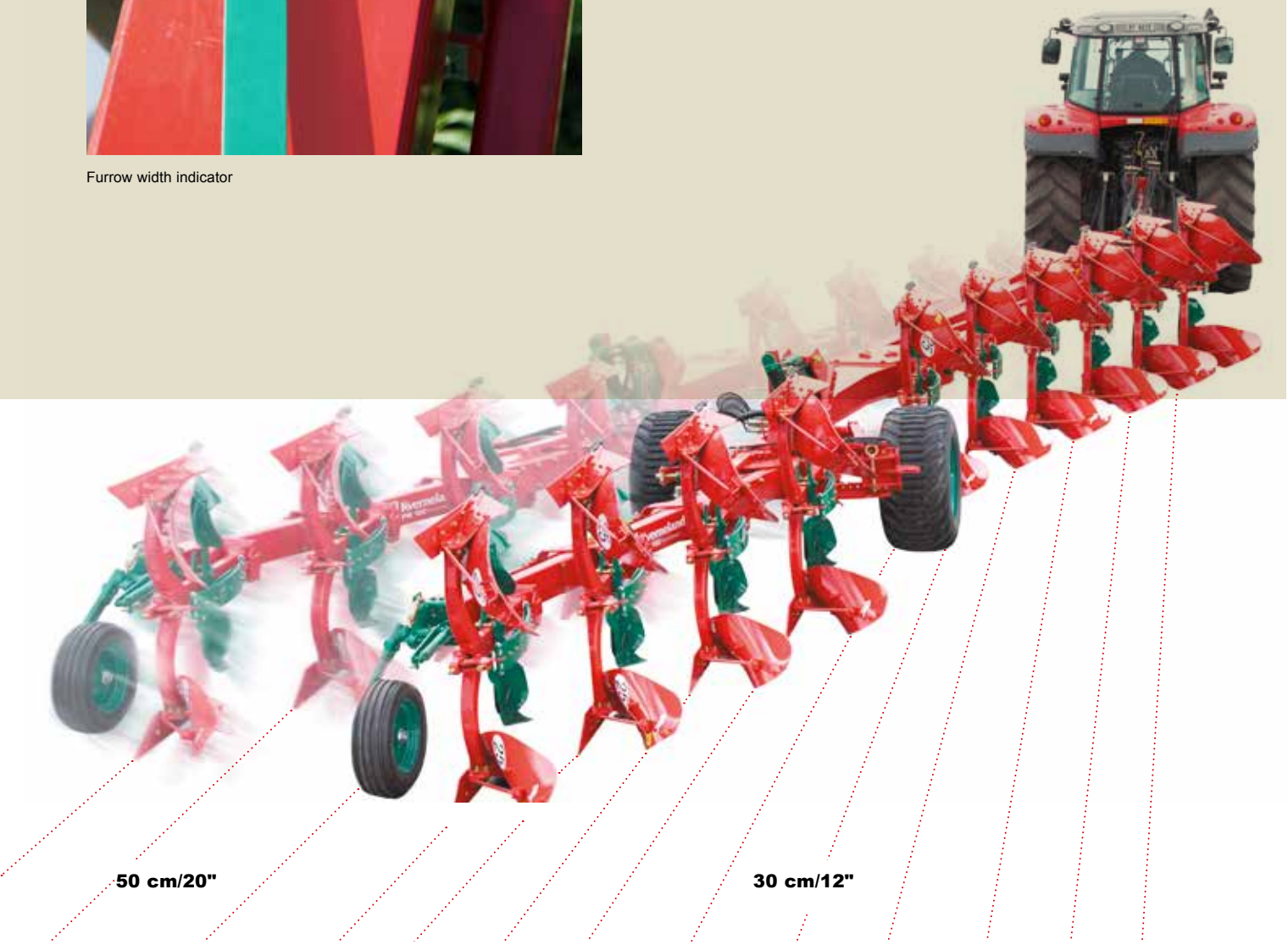
By varying the furrow width, the work can be kept straighter. It is also easier to work up to the hedges and any obstacles.

Two different systems
Kverneland Variomat® is available in two variants – with hydraulic or mechanical adjustment of the furrow width. The hydraulic variant allows adjustments of the furrow width from the driver's seat "on the move". The practicality of being able to determine not only the depth, but also the width of the furrows is crucial if the best results are to be achieved. The pulling line adjusts automatically thanks to the auto-line.

Minimum wear
The Kverneland Variomat® system is maintenance free thanks to a unique non wearing linkage joint between the beams and the mainframe section. The system consists of a robust 24 mm bolt, a distance tube, two special heat-treated cones and replaceable bushes.

The heat-treatment of high quality steels and the exacting manufacturing accuracy, guarantee the perfect beam and body alignment with minimum wear.

Furrow width indicator



Unbeatable in stony conditions

A reliable System
The simple multi-leaf spring system allows the plough legs to release over stones and other solid objects in the ground in a smooth and efficient manner. This avoids sudden jolts and possible damage.

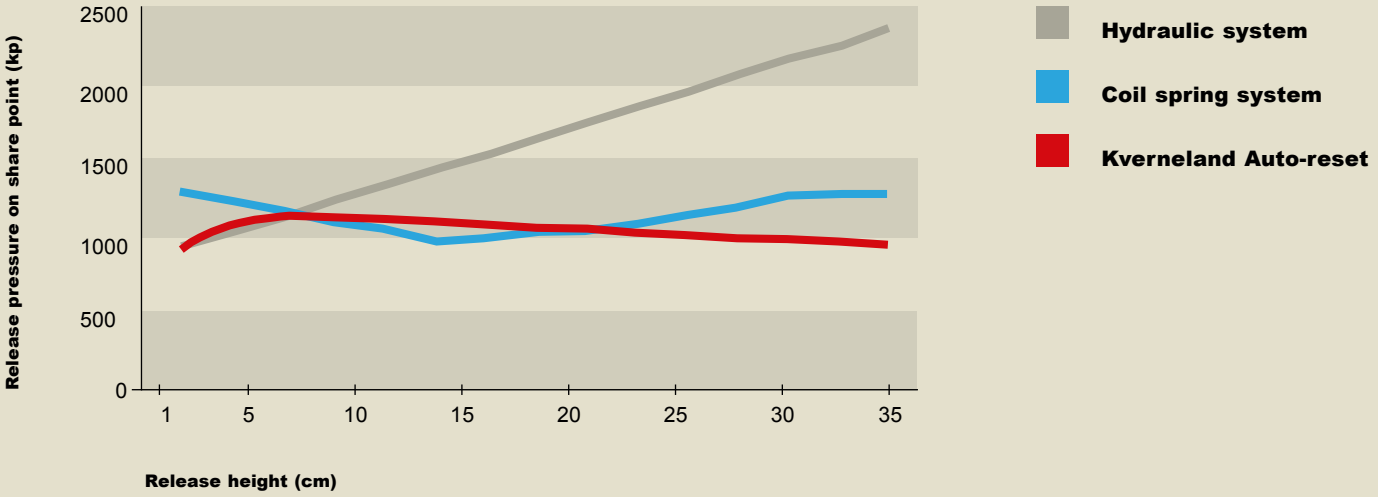
Quality ploughing
Kverneland Auto-reset system guarantees a quality ploughing. The legs release independently one from another. Once the obstruction is passed, the plough body automatically returns to the correct ploughing depth.

Quicker than ever
With today's demands for higher output, both tractor and plough are expected to perform quicker than ever before.

Simple and easy
Kverneland's Auto-reset system is a very simple construction and yet is able to withstand these punishing forces year in, year out, with a minimum of maintenance.

Kverneland Tip!

Scan the QR code for the video:
Kverneland Auto-reset in action



Release characteristics
The diagram shows the differences between three different Auto-reset systems, (Hydraulic system, Coil spring system and the Unique Kverneland leaf spring system) and how the pressure varies as the body rises (1 cm).

Benefits
The Kverneland leaf spring Auto-reset system is highly recommended. When hitting an obstacle, the pressure on the point, frame, plough parts, decreases. The stress on the plough is therefore reduced which guarantees a longer life to the plough and ensures a better ploughing.

Extra leaves when needed
The standard Auto-reset system includes 7 Kverneland heat treated springs (640 kp). For heavier to extreme soil conditions, extra leaf springs are added for up to 1400 kp.

HD package
with 9 leaves (900 kp)

Double spring package
with 14 leaves (1400 kp)

Reknown for high performance and low wearing

Body No. 8
- general purpose body
- for light to heavy soils
- working depth: 15-28 cm
- working width: 30-50 cm
- landside / mouldboard: 40°

Body No. 9
- universal body
- for light and medium soil
- easy to pull
- working depth: 18-30 cm
- working width: 30-50 cm
- landside / mouldboard: 40°

Body No. 30
- finger mouldboard with 4 exchangeable strips
- plastic spacers
- shape of body no.19
- for any soil conditions
- intensive crumbling
- working depth: 18-35 cm
- working width: 30-55 cm
- landside / mouldboard: 46°

Body No. 19
- universal body
- for medium to heavy soils
- specially designed for burying large quantities of chopped or stripped straw
- working depth: 18-35 cm
- working width: 30-55 cm
- landside / mouldboard: 46°

Body No. 34
- plastic mouldboard
- long and slim shape (similar to Body 28)
- for soils with high humus content without stones
- advised for tractors with large tyres
- easy pulling
- working depth: 12-35 cm
- working width: 30-55 cm
- landside / mouldboard:40°

Body No. 28
- universal body – easy to pull
- for any soil conditions
- recommended for tractors with large tyres
- creates a flatter profile for improved tilth
- perfect turning of the furrow slice
- working depth: 12-30 cm
- working width: 30-55 cm
- landside / mouldboard: 40°

Intensive crumbling with body No. 30

Designed for high performance
Kverneland bodies benefit from an outstanding reputation: high agronomic performance and low wearing.

Low pull requirement
Recent university studies, FH Cologne and Wilsmannn 2012, have revealed that the design of Kverneland bodies offer some of the lowest pulling forces on the market: from -20% to -42% when ploughing at 20 cm working depth and -11% to -24% at 30 cm. It is therefore possible to plough with one extra Kverneland body and gain in output compared to competition.

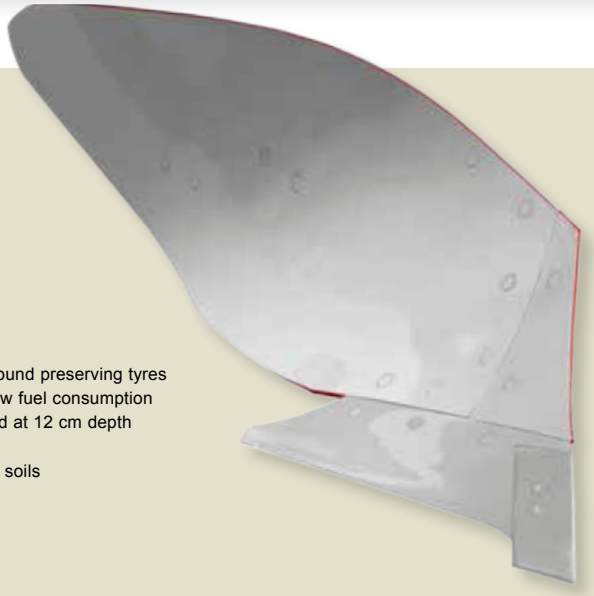
As regard to fuel consumption, it is reduced by 19% to 28% when using a Kverneland plough.

Wide choice of bodies
Over the years, Kverneland has designed bodies which are adapted to any soils conditions.

Body No. 28

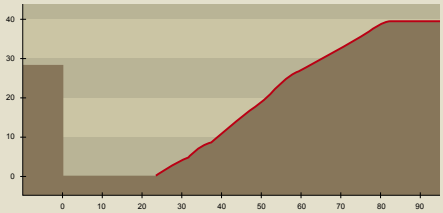
The answer for ploughing with wide tyres

Body Ecomat
- specifically designed for the Ecomat
- shallow ploughing
- available in steel or plastic
- working depth: 6-18 cm
- working width: 30-50 cm

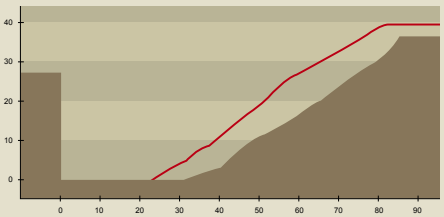


Benefits:
- very wide empty furrow – ground preserving tyres
- easy pulling and therefore low fuel consumption
- good turning and well packed at 12 cm depth
- good trash burial
- perfect universal body for all soils

Furrow profil body No. 9
Working depth 28 cm, buttom 23 cm, width 62 cm



furrow profile body No. 28
working depth: 26 cm, buttom: 30 cm, width 73 cm



Body No. 28 is Kverneland's answer to ploughing with modern farm tractors equipped with wide tyres.

Wide empty furrow
Body No. 28 shape and action moves the soil further away from the landside, increases the furrow bottom width by as much as 25% compared to Body No. 9. This allows wide tractor tyres, like a 710 serie type, to work in the furrow without rolling down the previous furrow.

Low pulling forces
Body No. 28 is suitable for depths from 15 to 30 cm (6 to 12 inches) and widths from 35 to 50 cm (14 to 20 inches). Longer than body No. 8, it creates a flatter profile for improved tilth. The furrow is well turned and packed. Body No. 28 clever design will require as little pulling force as Body No. 8 or 9.

Model | Kverneland PN/RN

Cost efficient, easy to adjust and to maintain

Kverneland PN

Kverneland RN

Robust construction
Kverneland PN/RN is designed as the basic alternative in the wide range of semi-mounted ploughs from Kverneland. Robust square frame 120 x 200 mm and 200 x 200 mm for 8 to 9 furrows. A manual working width and an automatic steered centre mounted wheel make it the right choice for farmers looking for a cost efficient and reliable plough.

The PN version is fitted with auto-reset beams for stony conditions whilst the RN has rigid beams with shearbolt protection.

Centre mounted wheel
The centre mounted wheel provides easier ploughing out to fences, hedges and ditches. The wheel assembly is linked to the turnover mechanism ensuring safe reversal of the plough.

Kverneland PN

Unique headstock
To give minimum turning circle, the turning point of the plough is situated behind the headstock. The plough is linked to the tractor by means of a special joint for improved manoeuvrability.

Ample clearance
Generous underbeam clearances of 70 or 75 cm on the PN, and 70 or 80 cm on the RN, are beneficial in trashy conditions. Most models are extendable with one furrow (maximum 9 furrow plough).

Optional equipment
The Kverneland PN/RN is available with a choice of body types, skimmers and disc coulters, whilst hydraulic front furrow width adjustment is optional.

Manual furrow width adjustment
The furrow width can be adjusted from 35 to 45 cm (14, 16, 18”) in steps of 5 cm. The adjustment is carried out by repositioning only one bolt in each leg assembly.

The position of the wheel has to be adjusted when altering the furrow width.

Model | Kverneland PG/RG Variomat®

For easy ploughing right out to the field edge

Kverneland PG Variomat®

PG/RG offer good stability in work and in transport, tight turning circle for narrow headlands and the opportunity to plough right up to field boundaries.

Easy on-the-move working width adjustment

Kverneland Variomat® adjustment is standard. Infinitely variable furrow widths from 35 to 50 cm (14 to 20”). The work rate can therefore be increased up to 30%. The Variomat® cylinder is placed into the towing tube for best protection. This design protects the cylinder and hoses from possible damage and guarantees an operational simplicity.

PG/RG Headstock with turnover device

Frame mounted, trailed depth wheel for PG/RG

The mid frame wheel position and the compact headstock design (which places the front body as close to the tractor as possible) ensures tight turning ability both on headlands and into narrow gateways.

Auto-Reset system

The PG version is fitted with the well-known Kverneland Auto-reset system, while the RG version has rigid legs with shearbolt protection.

Model | Kverneland PB Variomat®

Low operating cost and better weight transfer to the tractor

Kverneland PB Variomat®

Detail: Turnover device with slide rail for the front furrow adjustment

Looking ahead, the professional farmer requires more power, all purpose applications and improved quality of the work. The equipment must be durable, easy to operate, less fuel consuming. In short: more efficient.

All these considerations have been taken into account in the development of the Kverneland Variomat® ploughs which fulfil tomorrow's requirements today.

PB model
The PB is equipped with the famous Kverneland auto-reset system.

Kverneland Variomat® ploughs
are ideal for large acreages. The PB consists of robust 4-8 furrow reversible models designed for use with higher horse power tractors.

Universal joint attachment
The plough is linked to the tractor by means of a universal joint to improve the manoeuvrability and to protect the transmission and the tyres during use. Furrow width adjustment can be achieved manually or hydraulically.

Better weight transfer to the tractor's rear wheels
The plough is designed specifically for use with 4 wheel drive tractors. The special three point linkage feature prevents high forces on the tractor during ploughing and transportation.

Protection of tractor linkage during turnover
When reversing on headlands, the optimal angle is obtained between the tractor and the plough. This reduces the load on the two tractor lift arms. The robust turnover mechanism reverses the plough with precision in any conditions.

Hydraulically steered, trailed wheel

Kverneland PB in transport position

Kverneland PB Variomat®

Hydraulic control
The rear wheel assembly is linked hydraulically to the turnover mechanism ensuring that the plough is always positioned correctly for re-entry into work. Kverneland's patented hydraulic system provides a small reversing radius and an excellent manoeuvrability during work and transportation.

Easy changeover from work to transport position
Variomat® ploughs can be changed over to the transport position within seconds. In the half-reversed position the plough can be transported safely due to its low centre of gravity. Even where space is restricted, the plough can be steered with ease around obstacles.

Front furrow width adjustments
As with all Kverneland ploughs, manual front furrow width adjustment is by means of a turnbuckle. For "on the move" adjustment when ploughing on sloping ground an hydraulic cylinder can be fitted as an alternative.

In many respects, the Kverneland semi-mounted Variomat® ploughs are ahead of their time, fulfilling requirements that cannot be met by other conventional or reversible ploughs.

Model | Kverneland PW/RW and PW/RW Variomat®

Efficient, flexible, easy to operate

Kverneland PW Variomat® On-Land with Packomat. Ploughing and reconsolidation in one pass.

Kverneland PW Variomat® turning sequence

A unique patented concept in building a semi-mounted reversible plough.

Kverneland “3 in 1” Concept
The Kverneland PW/RW "3 in 1" semi-mounted ploughs consist of a robust central wheel wagon plough in the front and a standard mounted reversible plough at the rear.

Flexibility
This unique design gives you the flexibility to choose the right combination of ploughs to suit any soil conditions: either the whole wagon plough or only the front or the rear plough.

In some situations, it may be advantageous to use only the front part due to very wet or very hard conditions, or due to the availability of a tractor. The heavy front section alone will provide optimum performance in any conditions.

It may be beneficial to use only the rear part as a normal mounted plough for ploughing some smaller areas or headlands.

Kverneland PW Variomat® with Packomat

Kverneland PW "3 in 1" quick and safe uncoupling

The rear part of the plough
is a standard mounted reversible plough: you can either choose Kverneland EG 200/100 or Kverneland LB 200/100.

Simple and quick
The rear plough can be uncoupled within a few minutes and be ready for use. Likewise, it only takes a short time to join them together. At any time, you have the freedom to choose.

Quality ploughing
The wagon plough follows the ground undulations in a smooth way thanks to the centre section consisting of a 3 point linkage system. It therefore behaves like a normal mounted plough.

Increased output
The plough is available with either manual adjustable working width or with the famous Kverneland Variomat® system, allowing "on the move" furrow width adjustments from the tractor seat. The ploughing width can be adjusted from 35 to 50 cm (14-20”). The output is then increased up to 30%.

Robust design and very easy to operate
To withstand the high stresses on such a large reversible plough, particularly when ploughing at depth and at speed, Kverneland engineering skills have made it possible to construct a plough capable to withstand these forces. Not least, the plough remains easy to operate.

KVERNELAND CONCEPT
3 in 1
PATENTED

The Kverneland PW/RW ”3 in 1” consists of a robust front section with a main frame that is heat treated by induction. Dimensions of the frame vary according to the number of furrows.

Model | Kverneland PW/RW and PW/RW Variomat®

Clever with ISOBUS

Kverneland PW Variomat® with Packomat – easy handling with ISOBUS

ATS display control

Easy to operate
A large plough may look very difficult to manage but the Kverneland PW/RW "3 in 1" model is equipped with an advanced management system which makes it very easy to operate.

You can choose between different systems:

- ATS Control (Automatic Turning Sequence). Option: ISOBUS compatible.
- manual management with the addition of a valve controller.
- manual management via tractor control.

When equipped with the ATS system, the plough is very easy to operate on the headlands. It is only necessary to lift the plough at the front, press the ATS button 3 times and the plough reversing functions operate automatically in accordance to the driving on the headland. The plough will then be ready for the next ploughing operation. The rear plough section, equipped with an hydraulic toplink, is held in a raised position during the turning phase.

This secures perfect “ins” and “outs” at the headlands.

Kverneland Tipp!

Smart, efficient and easy - working clever with ISOBUS!

You would like to learn more ...
Scan QR-code and explore the entire world of iM FARMING.

Kverneland PW on-land

ISOBUS technology

Transport position

Easy management
Equipped with the advanced ATS control, it is only necessary to press a control button: the auto hydraulic system will turn the plough and bring it into the right position. The plough can also be equipped with ISOBUS control, or, a full manual turning operating system for manual management.

Safe and easy turning
Unbelievably easy to operate! When turning on the headland, the specially designed centre section lowers the plough for optimum stability and safety. With 80% of the plough's weight on the centre section, the tractor is free to make tight turns. The centre section design also provides excellent manoeuvrability during work and transport.

Generous clearance
Having a choice of underbeam clearance of 70 or 75 cm on the PW and 70 or 80 cm on the RW, for trashy conditions.

The PW/RW "3 in 1" plough is available with a choice of bodies, skimmers, disc coulters and wheel equipments to suit all soils and tractor types.

3 versions for the PW/RW ploughs:
- in-furrow
- in-furrow and narrow on-land (approx. 3.2 m track width)
- on-land (approx. 4.5 m track width)

Off-set adjustment to correct the driving position is via in-cab hydraulic control.

Stable and safe in transport
Changeover from work to transport is carried out in a few seconds: the plough is turned half way and then lowered on its centre section.

In "butterfly" position the plough is very stable and manoeuvrable with approximately 20% of its weight being transferred on to the tractor's linkage. As an option, both PW/RW can be equipped with brakes and full road lightings.

Even more than ploughing and recompacting in one pass

Kverneland PW with Packomat

Kverneland Packomat makes ploughing more efficient: Ploughing, levelling and recompacting in only one pass.

Packomat is also more practical than a regular packer during ploughing and transport.

Economic and agronomic benefits
On many soils the perfect seedbed is made while ploughing. This combination of plough and packer is both efficient and environmentally friendly.

Weeds are controlled mechanically. The number of operations is reduced. The soil structure is immediately re-established. The traditional packer is a trailed implement which is towed by a plough. Kverneland has refined this implement and made it an integral part of the plough.

Efficient and user friendly
Kverneland's Packomat works in all soil conditions. Whatever gets ploughed is also packed. Moreover, you need not worry about releasing the packer and reconnecting it on the headland. It changes sides automatically in the plough reversing process.

Packomat follows the plough
Compared with traditional packers which are trailed behind the plough, the integrated Packomat is rigidly mounted via a packer arm made of specially hardened spring steel. By means of this arm, weight transfer takes place from the plough to the Packomat to ensure that the packer works the soil with the right "field pressure". More than 1,250 kg pressure gets easily regulated by means of a turnbuckle or an optional hydraulic cylinder.

The small diameter of the packer wheels gives an excellent levelling effect. In fact the wheels carry a small amount of soil in front of them which also helps the packing effect.

Deep, strip-wise reconsolidation

Heavy soil conditions

Transport position

Fine and smooth seedbed
The geometric relationship between the plough and the packer is constant at all times. This means efficient crushing of clods. When combined with a simple finger harrow, the packer makes a fine and smooth seedbed. On light and medium soils, the packed soil is simply ready for seed drilling. On heavy soils, the Packomat actually reduces the necessary time for an eventual seedbed operation.

Less wear and less pulling effort
With the support of the depth wheel on the one side and the Packomat on the other side, the plough is better balanced. Hence there is less landside pressure, less wear and a reduction of the draft requirement. In comparison with a conventional soil packer, Kverneland's Packomat requires 25% less pulling effort. Fuel consumption is therefore substantially reduced.

Perfect water conductivity
Kverneland's Packomat works with a pressure of more than 1,250 kg. The wedge shaped discs cut their way through the furrows, crush clods, push down stones, level and pack the soil, which ensures a quick re-establishment of the capillary water conductivity. This is the best way to get germination started as early as necessary. It also reduces the problems associated to postdrilling droughts.

Adapts to any soil conditions
The Packomat is designed for ploughs from 3 to 12 furrows. In depth recompaction is ensured by one ring section of either 480 mm or 600 mm Ø rings and one row of either 16 mm tines with reversible points or 20 mm tines with blade points.

Kverneland heat-treated steel
Specially hardened spring steel. Like all Kverneland ploughs, the Packomat is not an exception. It benefits from the unique Kverneland heat treatment processes for unequalled robustness and wear resistance.

The unique plough share system

The Quick-Fit plough share system fits to all Kverneland bodies. It minimizes downtime during change of wearing parts.

Benefits

- safe and quick change
- cost efficient
- fast and easy to use
- no bolt required for the points
- better utilisation of parts
- long lifetime
- top steel quality
- good soil penetration in tough conditions

The patented Quick-Fit system from Kverneland consists of a share, a special holder and a very unique point. All made of Kverneland Top Quality Steel and heat-treated after Kverneland special recipe.

The share and the holder are bolted to the body, while the Quick-Fit point is fitted to the holder by a unique locking system. It fits just by a few sharp taps with a hammer. Not least, when the points need to be changed, it is simply removed by means of the taper drift and the hammer.

Back in work quicker when the points wear

The Quick-Fit points take far less time to change than conventional equivalents, so the machine is back in work much quicker.

One farmer from North Yorkshire, UK, comments “We have reduced downtime from about 30 minutes to five minutes when changing points on our 8 furrow reversible plough ... the Quick-Fit system is also quite versatile. If we are in some very hard, dry conditions and are struggling for penetration, we can simply knock-off a set of partly worn points and put on new ones while in the field to get the plough in the ground.”

Kverneland Knock-on®

Quick & easy

Video

Scan the QR code for the video Knock-on®

Knock-on® system

Soil flow protects other parts.

Smart
The Knock-on® system consists of only 2 parts: a holder fixed to a regular Kverneland share and a Knock-on® point.

Clever
Kverneland's Knock-on® is a universal system. Plough Knock-on® points can also be used for cultivators.

Long lasting
Knock-on® benefits from the Kverneland steel technology (quality steels + Kverneland heat treatments). The quality of the steel combined with a clever design ensure a long life to the Knock-on® system. Therefore, Knock-on® points can be used in any soil conditions.

Quick
Knock-on® points are changed in a few seconds. It makes sense to save 90% of your time in changing points when working in abrasive soils (points wear quicker) or when having a 5+ furrow plough.

Easy
The only tools needed are a chisel and a hammer (2 kg). Field tests reveal that, as an average, 3 points can be mounted on the same Knock-on® holder. No bolt to unscrew helps save time. In addition, when the holder is worn out, it is normally also time to change the share, without unscrewing the holder. Very handy!

Agronomic benefits

Good soil penetration & Stable in work
Knock-on® has been tested in several soil conditions. Even in the hardest soils, the points ensure a good penetration.

Low pulling forces
Kverneland bodies are reknown for their unrivalled low pulling forces. With Knock-on® points, the pulling forces remain low and hence the fuel consumption.

Soil flow protection
The clever design of Knock-on® actually protects the other parts of the body while allowing an efficient soil flow.

Accessories

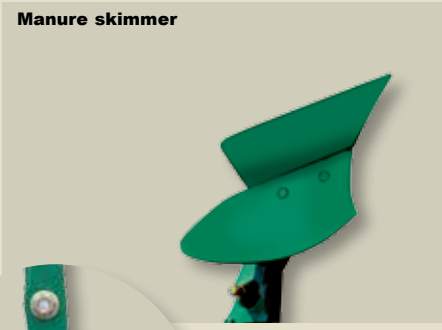
Choose the correct equipment

Leg protections:

Shear bolt legs
- release pressure: 4500 kg

Auto-reset protection
- 640 to 1400 kg release pressure

Hydraulic stone protection
- adjustable release pressure from 600 to 2100 kg



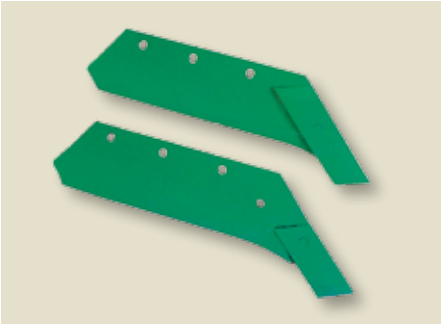
Easy adjustable skimmer

To ensure optimum positioning of the skimmer, a quick adjusting system is incorporated on all plough models.

The skimmer is very easy to adjust and can be moved in all directions to suit field conditions. Special indentations on the skimmer arm provide correct location and depth setting. Since the fixing bracket and stalk are fixed to the plough's leg assembly, the skimmer is easily adjusted up or down by loosening only one bolt. Once adjusted the bolt is tightened and locked to ensure a correct and rigid assembly.

The skimmer will be available in two versions: standard manure and maize skimmer for those difficult conditions with large amounts of trash.

Skimmers are recommended for efficient burial of stubble, grass, straw and weeds to provide a trash free finish prior to seed bed preparation.

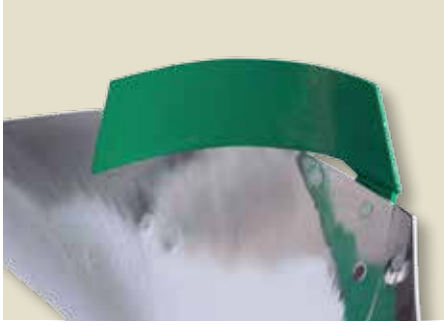


Shares with Reversible Points

The most cost efficient "share system" for ploughing hard and abrasive soils and generally, difficult conditions.

Shares with Flush Fit Points

Recommended for ploughing in sticky soil conditions. The point is fixed by means of a single bolt and is therefore quickly replaced.



Trashboards

Particularly useful when large quantities of surface trash are present: manure, straw, etc.

Plain disk coulter

Notched disc coulter

Sword Share Knives

These are an alternative to disc coulters, either to reduce weight, or to avoid blockage from trash or stones. Can only be used on ploughs fitted with reversible points.

Furrow Splitter

Bolted to any parts of the mouldboard or share, the furrow splitter is designed to cut through heavy soils making it easier for the following operations.

Disc Coulters

Disc coulters are available in sizes of 45, 50 and 55cm (18, 20 or 22") diameter, plain or notched. They are mounted on single arms. Easy to adjust to suit all conditions.

Eco share

A special new share for working 10 cm below the normal ploughing depth. Also as an alternative for up to 10 cm narrower ploughing depth.

Furrow Opener

For use on the rear body to increase the width of the furrow bottom in order to accept tractors with larger tyres: up to 30” wide, for example.

Landside Knives

A very good alternative to disc coulters, either to reduce weight or to avoid blockage from trash or stones. A good combination with skimmers.

Wide choice of wheels

Tranport position. Rear mounted depth and transport wheel

Kverneland Tip!

Kverneland ploughs are world renown for quick and easy settings. Scan the QR code for the video Kverneland Easy Plough Settings!

Model	400 x 15.5	400 x 22.5	500 x 22.5	14.9 x 24
PN/RN	■	■	■	■
PG/RG	■	■	■	■
PB	■	■	■	■
PW/RW		■	■	

Ploughing position. Rear mounted depth and transport wheel

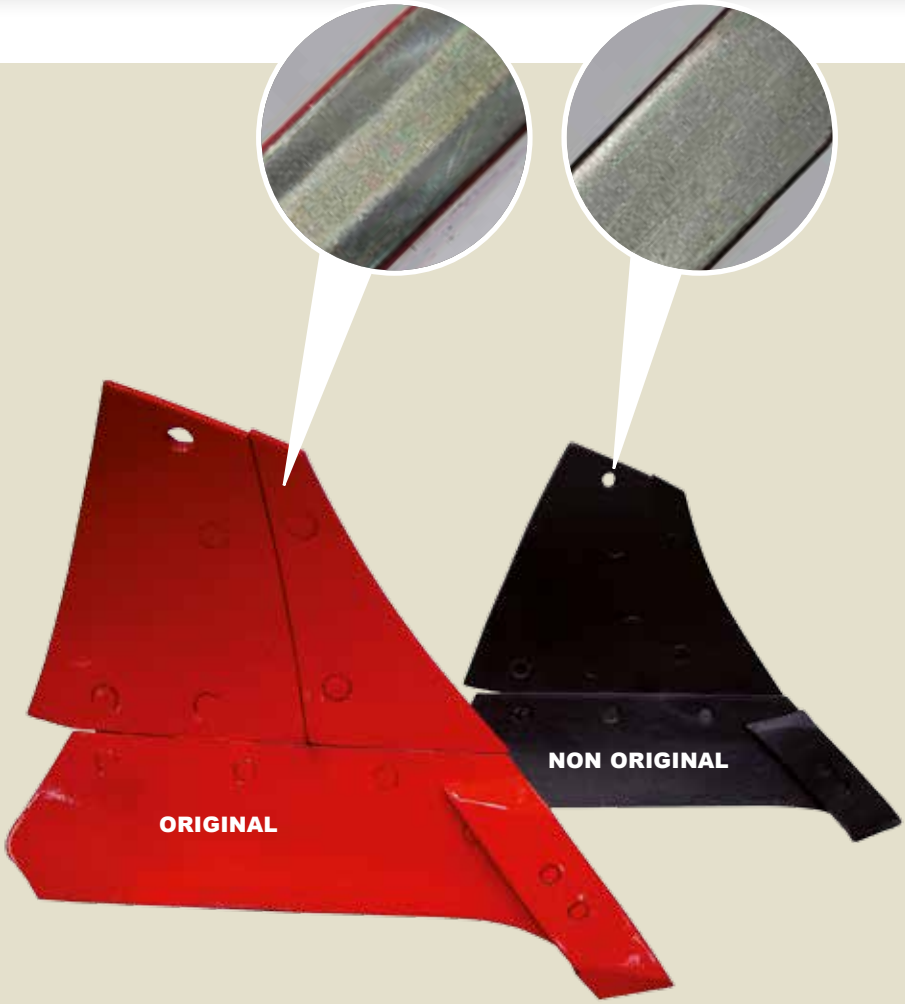
Kverneland Wearing Parts

Save time and money

Original Kverneland parts and non genuine wearing parts may look quite alike. But they are not. Let us scratch the surface and identify why Kverneland parts offer an unrivalled quality.

Kverneland genuine parts offer:

- perfect fit to other plough parts
- unrivalled wear resistance thanks to Kverneland steel technology
- low draft and hence low fuel consumption
- optimal soil penetration during its life span



Quality and reliability
Kverneland has been developing its unique steel heat treatment methods for more than 135 years. The millions of mouldboards still turning soil around the world are acknowledging the quality and reliability of these techniques. The wear rates less than half of competitors'.

The plough shares from Kverneland are well known for their outstanding wear characteristics.

Kverneland steel technology
Kverneland has succeeded in developing a special new way of heat treating reversible plough share points, to give them an exceptional life expectancy without increasing the incidence of stress fractures.

At each share's heart is the finest steel in Europe, SAGITTA steel, which undergoes a revolutionary process of induction heat treatment. The result is a share hard enough to withstand the most punishing conditions, yet with the flexibility to resist impact shock loading and cracking.

Non genuine Kverneland parts
In their attempt to produce wearing parts with the same hardness and wear resistance as ours, competitors frequently resort to the use of thicker steel, albeit of lower quality.

More steel may look initially appealing but the result is invariably very disappointing. The shares wear more quickly and the plough becomes unbalanced, as many of the forces and loads act against the natural line of draft, hampering penetration and making the plough harder to pull.

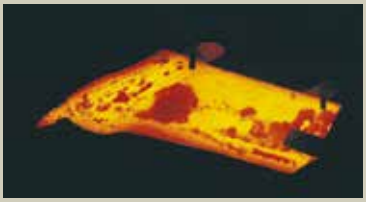
Kverneland Tip!

Look for the Kverneland arrow.
It is your guarantee of fitting original parts.
The best parts on earth!

Kverneland shares production:

Step 1 – Heating

Step 2 – Punching



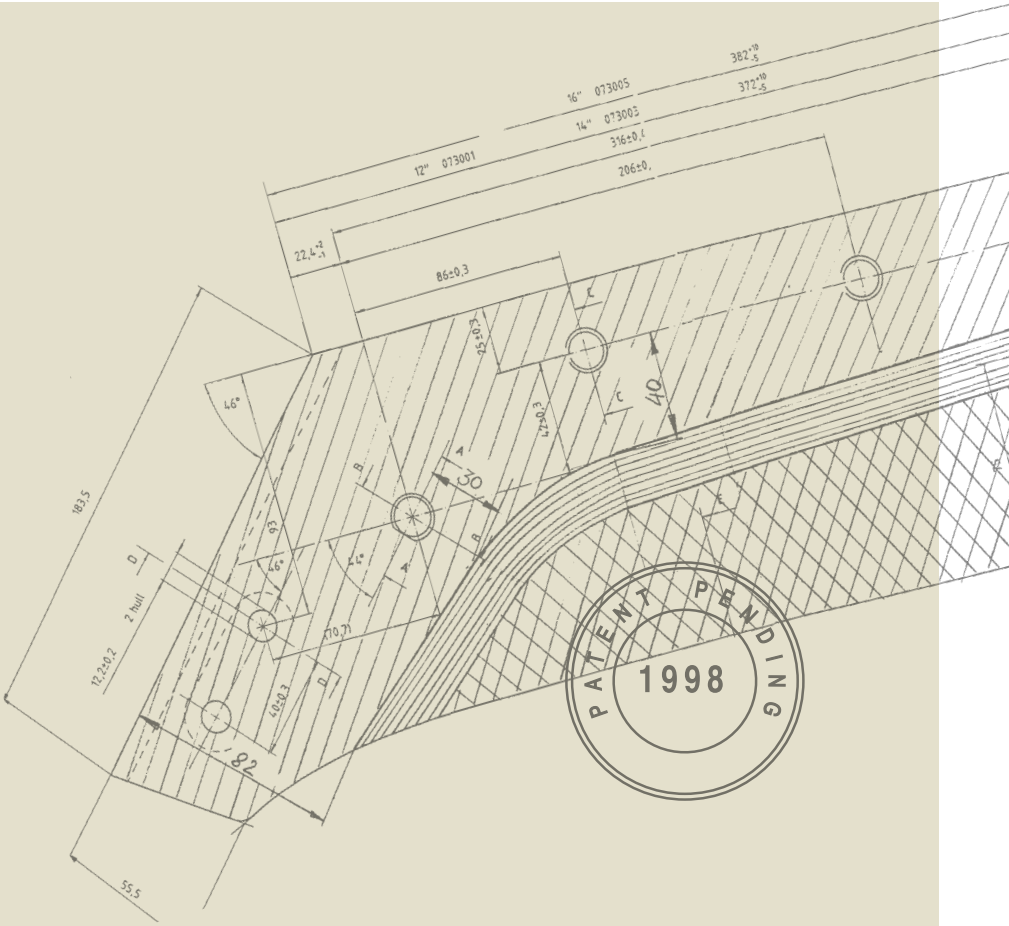
Step 3 – Forging

Step 4 – Punching

Step 5 – Re-heating

?

Step 6 – Our Secret!



A secret process

The outstanding wearing characteristics can be explained by two factors. First of all, the wearing regions of the share are hardened far beyond any levels achieved previously. A second hardening process guarantees a certain degree of flexibility around the bolt holes to avoid stress fractures. This subtle hardening combination ensures an extended life of the shares of at least 20-25%. The soil gets penetrated just as efficiently.

Economic benefits

The extended life time to Kverneland share (as high as + 55%) makes you save time by not having to replace them so often, get the work finished earlier, in order words, contribute to keep costs low.

Agronomic benefits

The Kverneland plough shares are designed so that they ensure uniform penetration while they gradually wear. They are specially designed to fit Kverneland plough bodies and to achieve the best results in all conditions.

The Complete Range

Different needs, different ploughs

Wide choice of plough models

Mounted reversible ploughs

Conventional ploughs

Kverneland's plough range consists of ploughs of all types and sizes: from the small 2 furrow plough to the biggest, most advanced, trailed, articulated reversible 12 furrow plough.

Ask for additional brochures!

Specifications

Model	Interbody clearance cm	Head-stock cm	No. of furrows	Furrow witdh cm	Weight (kg)									Recommended Horse Power (HP)								
					4	5	6	7	8	9	10	11	12	4	5	6	7	8	9	10	11	12
PN	100	70/75	5-9	35-40-45	–	2820	3090	3360	3630	3900	–	–	–	–	125	150	175	200	225	–	–	–
PN	115	70/75	5-7	40-45	–	2920	3200	3500	–	–	–	–	–	–	125	150	175	–	–	–	–	–
RN	100	70/80	5-9	35-40-45	–	2650	2885	3120	3360	3600	–	–	–	–	125	150	175	200	225	–	–	–
RN	115	70/80	5-7	40-45	–	2750	3000	3250	–	–	–	–	–	–	125	150	175	–	–	–	–	–
PG V	100	70/75	6-8	35-50	–	–	2940	3370	3800	–	–	–	–	–	–	150	175	200	–	–	–	–
PG V	115	70/75	5-8	35-50	–	2970	3060	3150	3240	–	–	–	–	–	125	150	175	200	–	–	–	–
RG V	100	70/80	6-8	35-50	–	–	2760	3150	3570	–	–	–	–	–	–	150	175	200	–	–	–	–
RG V	115	70/80	5-8	35-50	–	2470	2880	3290	3700	–	–	–	–	–	125	150	175	200	–	–	–	–
PB V	100	70/75	4-8	30-50	2640	2990	3340	3720	4100	–	–	–	–	100	125	150	175	200	–	–	–	–
PB V	115	70/75	4-7	35-55	2690	3060	3430	3820	–	–	–	–	–	100	125	150	175	–	–	–	–	–
PW	100	70/75	7-12	35-50	–	–	–	5045	5510	6015	6480	6945	7440	–	–	–	210	240	270	300	330	360
RW	100	70/80	7-12	35-50	–	–	–	4695	5130	5565	6050	6495	6940	–	–	–	210	240	270	300	330	360
PW V	100	70/75	7-12	35-50	–	–	–	5150	5630	6150	6630	7130	7620	–	–	–	210	240	270	300	330	360
PW V	115	70/75	7-10	35-50	–	–	–	5185	5670	6195	6680	–	–	–	–	–	210	240	270	300	–	–
RW V	100	70/80	7-12	35-50	–	–	–	4800	5250	5700	6200	6660	7120	–	–	–	210	240	270	300	330	360
RW V	115	70/80	7-10	35-50	–	–	–	4835	5290	5745	6250	–	–	–	–	–	210	240	270	300	–	–

Some models can be extended by one body. Please enquire.

kverneland group

Kverneland Group

Kverneland Group is a leading international company developing, producing and distributing agricultural machinery and services.

Strong focus on innovation allows us to provide a unique and broad product range with high quality. Kverneland Group offers an extensive package aimed at the professional farming community, covering the areas of soil preparation, seeding, forage and bale equipment, spreading, spraying and electronic solutions for agricultural tractors and machinery.

Original Spare Parts

Kverneland Group spare parts are designed to give reliable, safe and optimal machinery performance – whilst ensuring a low cost life-cycle. High quality standards are achieved by using innovative production methods and patented processes in all our production sites.

Kverneland Group has a very professional network of partners to support you with service, technical knowledge and genuine parts. To assist our partners, we provide high quality spare parts and an efficient spare parts distribution worldwide.

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