



Since 1936

REVERSIBLE PLOUGHS

Innovative Tillage Technology





OVLAC

MORE THAN 85 YEARS EXPERIENCE

In tillage equipment

Ovlac is a **family-owned company** which has been manufacturing farming equipment **since 1936**. Since its beginnings, Ovlac has focused its activity in manufacturing **mouldboard ploughs**, which have been the company's flagship product for decades and still is today.

Over the last 15 years, the Ovlac product range has expanded to include other soil working tools such as Cultivators, Chisels and **Short Disc Harrows**. Today, Ovlac is being run by its third generation and is **the biggest Spanish soil working equipment manufacturer**.

Ovlac exports around 60% of its production to more than 20 countries. Competitive and demanding markets such as France, Germany and the United Kingdom, or beyond Europe to the likes of Chile, South Africa, New Zealand or China.

Thanks to our **state of the art manufacturing techniques**, and our **in-house R&D department**, we can guarantee a high quality throughout our products. Ovlac is determined to produce products of the highest quality, this is ingrained into our day-to-day manufacturing processes. Every step and decision taken in our company is carried out to meet our main goal: to offer our clients reliable products they can be proud of.



RANGE: THE RIGHT MODEL TO FIT YOUR TRACTOR

Ovlac's range of reversible ploughs is made up of 5 Series, 5 Ranges so you can always find the ideal solution to suit your available power and soil conditions.

SERIES 100

Specially designed for light soils and when weight is a limiting factor. Main frame of 110 by 110 mm square profile section and 100 mm headstock shaft. Ploughs from 2 to 4 furrows. Rated up to maximum power of 27 HP (20 kW) per body.

SERIES 120

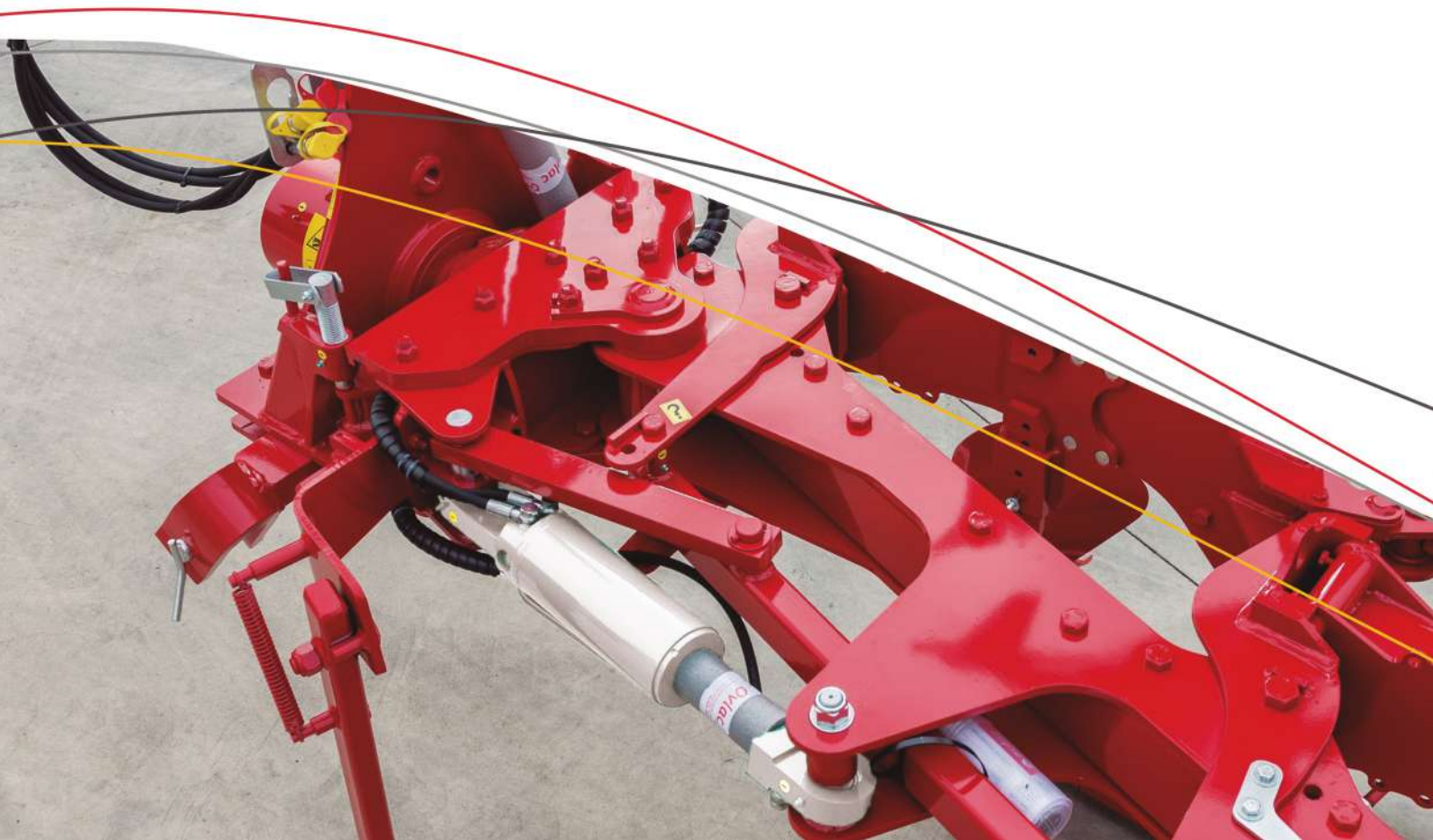
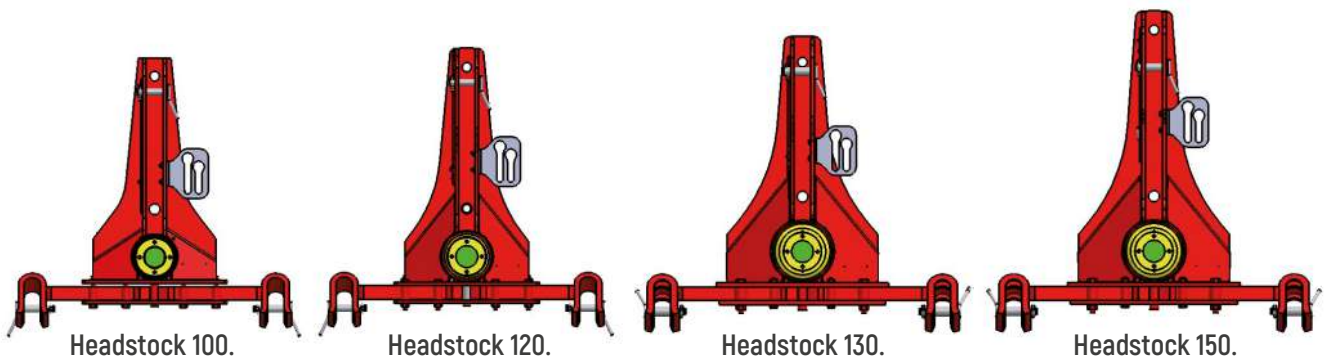
This series is also limited to 4 furrows, although in this case the main frame is 100 by 150 mm and the headstock shaft is increased to a diameter of 110 mm. This structure is rated up to maximum power of 160 HP (120 kW).

SERIES 130

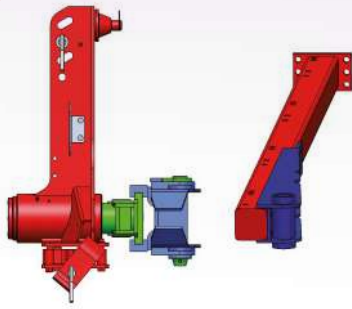
Featuring a substantial **140 mm diameter** headstock shaft. This series is available in a four or five furrow configuration, and is rated up to 200 HP (150 kW). At the same time, it keeps the 100 by 150 mm frame section of the 120 Series to stay light.

SERIES 150

Higher Strength available as 4 and 5 furrow configurations designed for arduous conditions and higher horse power. Rated up to 225 HP (165 kW). 150 by 150 mm frame section and reinforced headstock with a 140 mm shaft diameter.

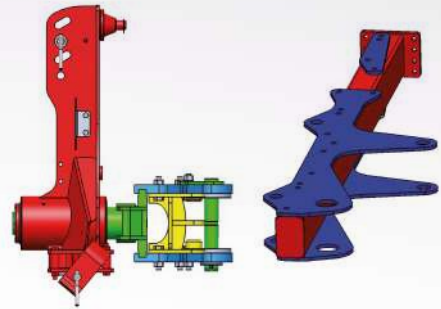


**SERIES
100**



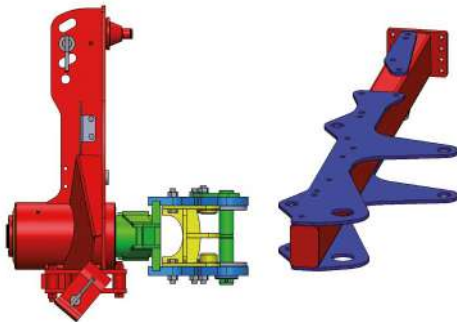
Headstock 100 + Frame support 100
+ 110*110 mm frame section.

**SERIES
120**



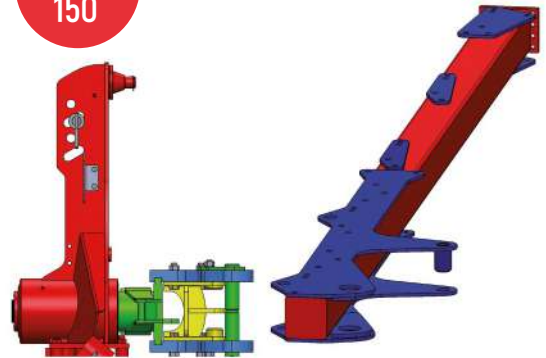
Headstock 120 + Frame support 120
+ 150*100 mm frame section.

**SERIES
130**



Headstock 130 + frame support 130
+ 150*100 mm frame section.

**SERIES
150**



Headstock 150 + frame support 150
+ 150*150 mm frame section.



PROTECTION SYSTEMS

Shear bolt, leafspring and hydraulic

Taking into account working conditions, OVLAC ploughs can be equipped with two different protection systems.

SHEAR-BOLT SECURITY SYSTEM:

The simplest of all two. The shear bolt thickness, steel grade and position are calculated so it breaks under a pressure of approx. 3000 kg exerted at the point. It is highly recommended that broken shear bolts be replaced by genuine ones; a non-genuine shear bolt, bearing a different dimension or steel grade can result in serious damage to the main plough frame for not correctly accomplishing its task.

HYDRAULIC NON-STOP SYSTEM:

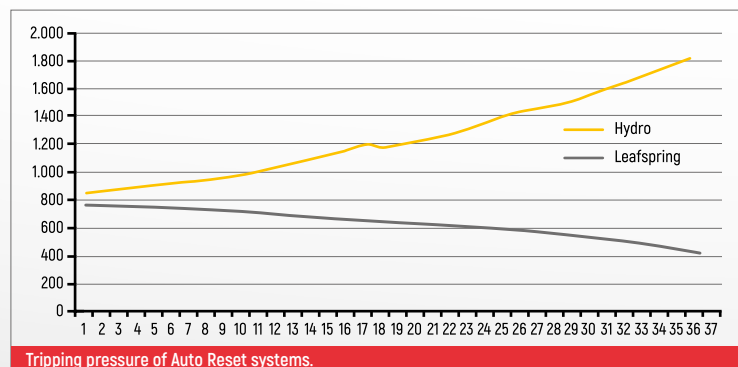
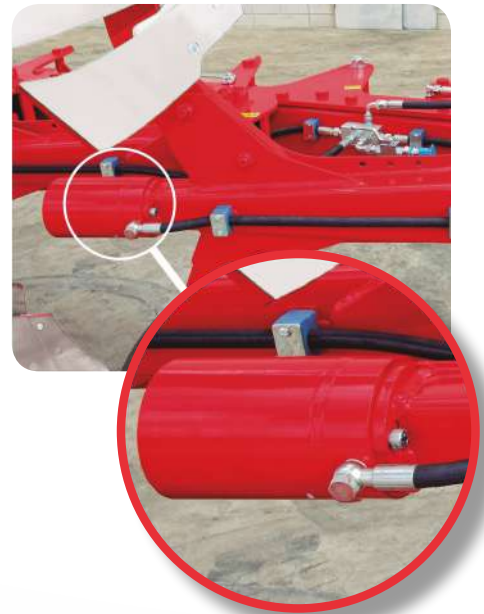
Regulated trip mechanism. It allows for adapting **release pressure according to soil conditions**. In heavy or compacted soil, pressure can be increased in order to guarantee penetration and maintain an optimal working position of the bodies. On the contrary, under stony conditions pressure can be set lower in order not to bring stones onto the surface.

In addition, the frog legs are also bolted on to the beam, and not welded thus benefitting from **dual security**.

Shear bolt



Hydraulic



VARIABLE WORKING WIDTH

"L" model - "S" model

Working width adjustment is available in all Ovlac ploughs in order to adapt the plough to soil conditions or the desired work.

Working width of all **"L" models** (LV, LVH, LF, and LH) can be manually adjusted by simply shifting positions of the support bolt into a different hole on the beam. There are **four different working widths with 2 inch increment adjustments**.

All **"S" style ploughs** (SL, SF, and SH) come with the well known **Ovlac Varilabor** variable working width as standard. Working width can be **hydraulically operated from the tractor cab** between 12 and 20 inches per body (can slightly change depending on different models). This feature provides several advantages:

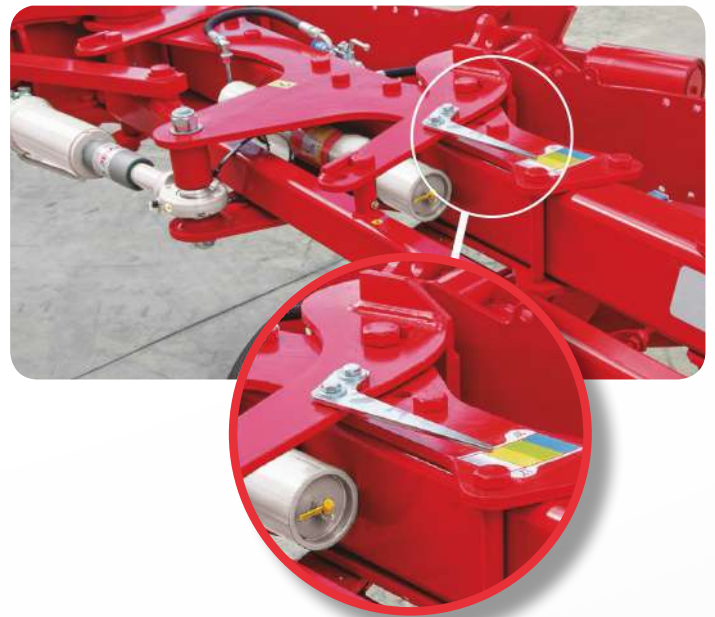
- **Optimized output**, making the most of the tractor power.
- **Adaptation to desired work** in terms of working depth, soil type, crop types and seasons.
- **Adaptation to ploughing plot individualities:** Topography and obstructions.

Automatic Memory System: The complete range of Ovlac reversible ploughs in 5 and 6 furrows comes as standard with an automatic memory system which withdraws the plough main frame to its minimum width so as **to guarantee a gentle turning over** and avoid that the rear end of the plough hits the ground. Once this operation is done, the plough automatically returns to the originally set working width.

"L" Model



"S" Model



WHAT MAKES US UNIQUE

Oscillating drawbar. Automatic self-alignment

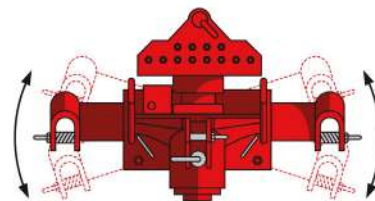
+1- OSCILLATING DRAWBAR. AUTOMATIC SELF-ALIGNMENT

Ovlac ploughs are equipped with the Oscillating Hitch, which makes it possible for the **plough to move freely from a central pivoting point** in the cross-shaft and to find by itself the perfect balance between the side pressure exerted on the mouldboard and the landside. Therefore there is no need for complicated adjustments on the pull line so as to make the plough work perfectly aligned. **Alignment is automatically corrected** with no need of any operation by the driver.

In the **Hydraulic Vari width ploughs** (SF, SH) the Oscillating Hitch makes it possible for the plough to adjust itself to the new pressure balance resulting from

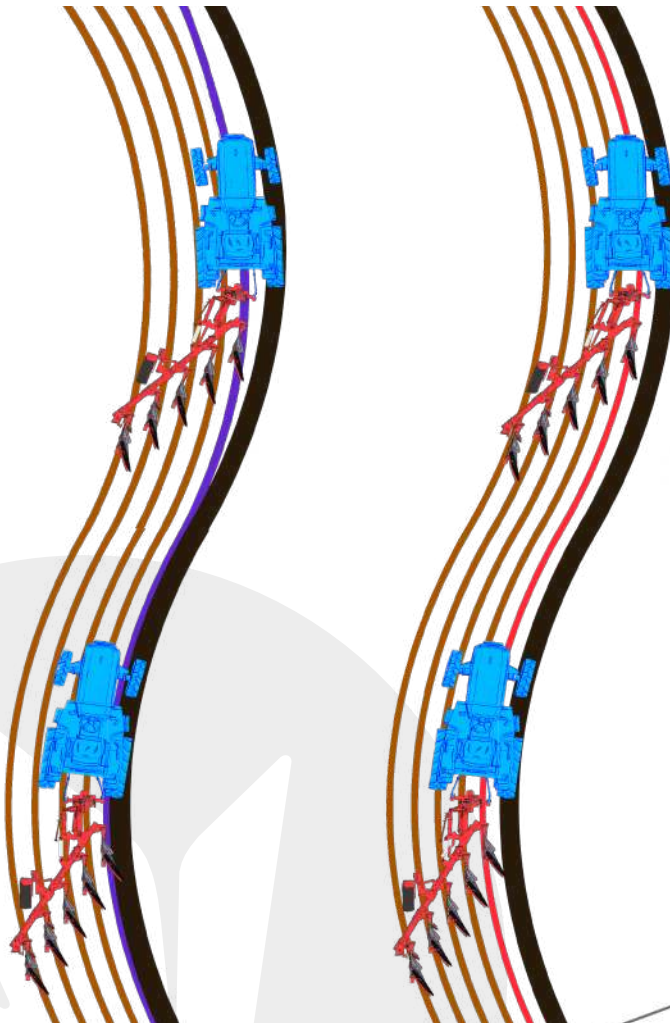
modifying the working width, correcting automatically and immediately the plough alignment, with no effort required by the operator. It can't be simpler.

When lifting the plough up for transport or turning over, the Oscillating Hitch **will automatically lock** itself preventing the plough from balancing sideways.



Other ploughs

Ovlac Ploughs



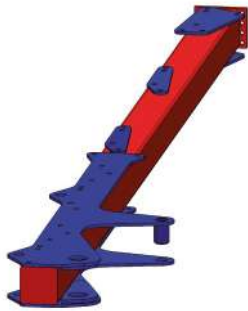
Oscillating Drawbar in action

OTHER STRONG POINTS

Frames, Non Stop systems, Variwidth

+2- SUBSTANTIAL SIMPLE AND RELIABLE MAIN BEAM

The main beam is made of high quality steel, and is **100% free from welding**. Therefore tensions and weak spots are eliminated. Furthermore, in its forefront, the area where efforts are the biggest, the frame is reinforced with "Hardox sandwich" plates.

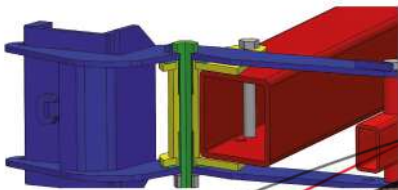


+3- LONG LIFE TO VARIO

In hydraulic vari width models ("S"), **body supports are bolted** onto the frame; thus, in the case of an unlikely breakdown, these supports are easily replaceable.

Furthermore, the pivoting points of these supports are located away from the main frame, this way the frame is **not weakened or subject to any wear**. These pivoting points are equipped with wear resistant case-hardened bushes and greasing points in order to ensure a long lifespan.

+4- NON STOP PLOUGHS FOR THE HARDEST CONDITIONS



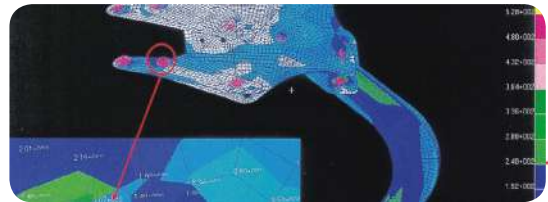
In **Non Stop** ploughs, frog beams/legs are bolted instead of welded. One of the fixing bolts is specifically designed as a shear bolt, which results in an **extra security** to be added to the **Non Stop**.



The Articulated Security Rod linking the leg holder to the main frame has been designed to withstand the most rigorous conditions. Its articulated system results in a genuine 3D security system.

+5- EXPERIENCE AND MODERNITY

Ovlac has over 85 years of experience in the manufacturing of ploughs. This practical knowledge is supplemented up by the efforts of a young team of capable engineers using the latest design, development and production techniques in order to attain the perfect combination of experience and modernity.





RANGE

PROTECTION



| Variwidth | Manual | Hydraulic | Manual | Hydraulic |
|-----------|--------|-----------|---------|-----------|
| 110 HP | LV 100 | | LVH 100 | |
| 160 HP | LF 120 | SF 120 | LH 120 | SH 120 |
| 200 HP | LF 130 | SF 130 | LH 130 | SH 130 |
| 225 HP | LF 150 | SF 150 | LH 150 | SH 150 |

TECHNICAL FEATURES

S Shearbolt

H Hydraulic

| | No. of bodies | 3 | | 4 | | 4-EXT | | 5 | | 5-EXT | | 6 | |
|-------------------|---------------------------|------------------|---------------|-------------------|---------------|-------------------|-----------------|-------------------|---------------|-------|---|------|---|
| | | Protection | | S | H | S | H | S | H | S | H | S | H |
| SERIES 100 | Working width | 97-150 | | 128-200 | | ---- | | ---- | | ---- | | ---- | |
| | Inter body clearance (cm) | 85 95 105 | 85 95 | 85 95 105 | 85 95 | ---- | | ---- | | ---- | | ---- | |
| | Under beam clearance (cm) | 72 78 | | 72 78 | | ---- | | ---- | | ---- | | ---- | |
| | Weight | 755 | 975 | 920 | 1160 | ---- | | ---- | | ---- | | ---- | |
| | Max. Power (HP) | 85 | | 115 | | ---- | | ---- | | ---- | | ---- | |
| SERIES 120 | Working width (L/S) | 105-150 / 90-150 | | 140-200 / 120-200 | | ---- | | ---- | | ---- | | ---- | |
| | Inter body clearance (cm) | 85 95 105 | | 85 95 105 | | ---- | | ---- | | ---- | | ---- | |
| | Under beam clearance (cm) | 72 78 90 | 72 78 | 72 78 90 | 72 78 | ---- | | ---- | | ---- | | ---- | |
| | Weight (L/S) | 990/ 1080 | 1130/ 1250 | 1190/ 1290 | 1370/ 1530 | ---- | | ---- | | ---- | | ---- | |
| | Max. Power (HP) | 120 | | 160 | | ---- | | ---- | | ---- | | ---- | |
| SERIES 130 | Working width (L/S) | ---- | | ---- | | 140-200 / 120-200 | | 175-250 / 150-250 | | ---- | | ---- | |
| | Inter body clearance (cm) | ---- | | ---- | | 85 95 105 | | 85 95 | | ---- | | ---- | |
| | Under beam clearance (cm) | ---- | | ---- | | 72 78 90 | 72 78 | 72 78 90 | 72 78 | ---- | | ---- | |
| | Weight (L/S) | ---- | | ---- | | 1250/ 1350 | 1430/ 1585 | 1480/ 1590 | 1695/ 1850 | ---- | | ---- | |
| | Max. Power (HP) | ---- | | ---- | | 160 | | 200 | | ---- | | ---- | |
| SERIES 150 | Working width (L/S) | ---- | | ---- | | 140-200 / 120-200 | | 175-250 / 150-250 | | ---- | | ---- | |
| | Inter body clearance (cm) | ---- | | ---- | | 85 95 105 | 85 95 105 | 85 95 105 | 85 95 | ---- | | ---- | |
| | Under beam clearance (cm) | ---- | | ---- | | 72 78 90 | 72 78 | 72 78 90 | 72 78 | ---- | | ---- | |
| | Weight (L/S) | ---- | | ---- | | 1490/ 1605 | 1580/ 1700 | 1680/ 1830 | 1805/ 1955 | ---- | | ---- | |
| | Max. Power (HP) | ---- | | ---- | | 180 | | 225 | | ---- | | ---- | |

BODIES

Range of 5 plough bodies

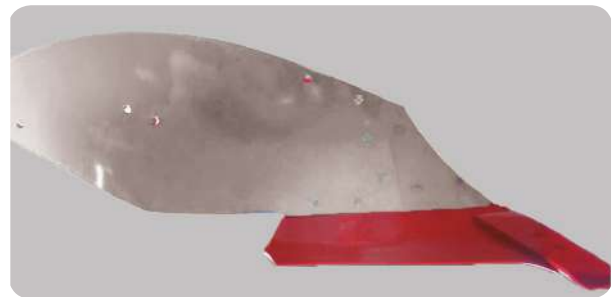
Ovlac has five **different plough bodies** in order to offer the most suitable option for a specific ploughing technique and soil. All genuine Ovlac mouldboards (with the exception of the slatted and plastic boards) are made in 8 mm thickness and undergo a **unique Case - Hardening process** in order to **achieve over HRc 62 on their surface** while still offering a soft core. Apart from guaranteeing a long lifespan of the mouldboard, case-hardening also results in less sticking and better soil flow.



Case-hardening allows for higher hardness on surface, more than 62 HRc, while keeping a soft, flexible core.



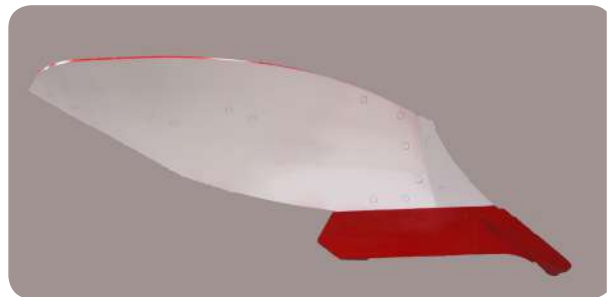
V-34: all-purpose body for all types of soil. Well suited for wide tyres. Good soil turning with limited tractor power requirements. For depths between 15 and 35 cm.



V-97: all-purpose body for all soil types. Very low tractor power requirement. Working depth between 15 and 30 cm.



V-LOV: mouldboard with slats. Suitable for sticky soils. All wearing parts mounted with conical bolts in order to lengthen lifespan, specially of slats.



V-90: leaves a wide furrow; specially recommended for very wide tractor tyres (>760 mm). Very good soil turning thanks to its extra length. Similar power requirement to body V-97.



PLASTIC: recommended for very sticky soils with no stones. Same geometry as V-34 body.

OPTIONS

A wide range of accessories

A wide range of accessories is available in order to adapt the plough to any working type and soil.



Trashboard.



Grass and High Capacity skimmers. It is important that Skimmers are correctly set in height. That is why we have designed them so no tools are needed to this end.



Press Arm



Coulter Discs, either Smooth or Notched, 18 or 20 inch.



Smooth or Notched Coulter Discs with Non Stop Security System.



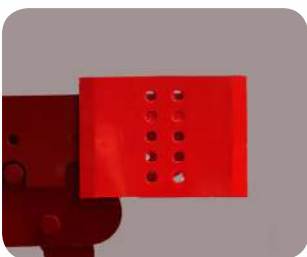
800 mm Front Furrow Width Adjuster instead of the Standard 600. Also available Hydraulic Version.



Mouldboard press.



Share knife.



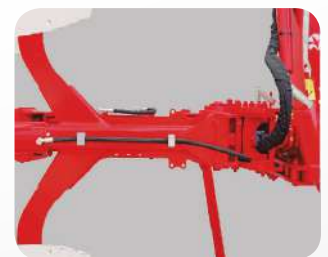
Landside extension.



Alignment turnbuckle.



Memory cylinder.



X-light beam, 25 kg lighter than standard one (Max.: 32 HP per body). Available solely for 120 and 130 Series.

WHEELS

A large range to meet any need

We have the perfect wheel for your needs. Ovlac reversible ploughs can be equipped with very different wheel types:

As regards its function, there are Depth Control Wheels and Combi Wheels, both for depth control and transport. As regards their position, we have either Rear or Advanced Wheels. Rear Wheels assure an optimal plough balance as well as a better weight

transfer to the tractor while ploughing. In turn, Advanced Wheels are advisable when trying to get closer to field borders. Advanced Wheels also result in less strain on tractor arms when in transport or when turning the plough over as the centre of gravity is closer to the tractor.

Several wheel sizes and types of wheels are available to suit your requirements.



Rear depth control wheel.



Advanced depth control wheel.



Rear hydraulic depth control wheel.



Rear combi wheel.



Advanced combi wheel.



Wheel 6.00 x 9" 10PR.



Wheel 200/60 14.5" 10PR.



Wheel 250/65 14.5" 12PR.



Wheel 340/50 16" 18PR.



Wheel 280/70 16" R16.



In Mode1 Ovlac's hydraulic wheel allows for gradual start and finish at the headland



In Mode2 Ovlac's hydraulic wheel allows for Depth control on the edge of the field.

Other products

In the Ovlac Range



CONVENTIONAL PLOUGHS



SEMIMOUNTED PLOUGHS



MINI



MINI N



MINI S



MINICHISEL VINEYARD



XLANDER



VERSATILL



REPTILL



MAXIDISC II



EURODISC



MINIVID



GC LINE



A SOLUTION
FOR ANY FIELD



Polígono Industrial, C/ TAF, P163
34200 - Venta de Baños
Palencia - España



+34 979 76 10 11



comercial@ovlac.com



www.ovlac.com

