



Semi-mounted plough
MULTI-LEADER XT





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MULTI-LEADER XT

Semi-mounted single-wheel plough

ULTIMATE ROBUSTNESS

THE MULTI-LEADER XT ENSURES HIGH-WORK OUTPUT WITH A 7 TO 9 MOULDBOAR PLOUGH AND IS AS EASY TO USE AS A MOUNTED PLOUGH.



ROBUSTNESS AND PERFORMANCE

Make the most out of your tractors when ploughing with the new patented KUHN tilt corrector system both for on-land or in-furrow ploughing.

ROBUST DESIGN

The new generation XT is the worthy successor to the LEADER and features a drawbar and frame designed for high-powered tractors for work in the most demanding conditions.

QUALITY OF WORK

Optimum pull line, overall width of the tractor up to 4.5 metres for on-land ploughing, manoeuvrability on the headland, large diameter wheel as standard, etc. All the components are combined to achieve quality ploughing even for intensive conditions.

DYNAMIC DESIGN

The MULTI-LEADER XT is the worthy successor to the LEADER range of semi-mounted single-wheel ploughs and is based on KUHN's know-how and experience. It is fully in line with the range while providing new technical solutions dedicated to productivity.

Modular scalable frame

180 x 180 mm "Z-shaped" beam dedicated to robustness with stiffeners in the areas submitted to high stress levels. The MULTI-LEADER XT offers 2 frame configurations: 7 mouldboards and 8 extendible mouldboards.

Joints

Determines the pull line and allows turning up to 110° at the headland.

Crossbar linkage/ One-piece headstock

Designed to accept a traction power of over 400 hp.

Turning support/Vertical stops

Stops ensuring a wide range of settings for all types of soil. Compact turning support for optimum visibility of the plough at work.

Multiple width

- Width settings (14 to 20 inches / 35 to 50 cm)
- Intuitive settings (twin-auger system)
- Distributes the forces more evenly on the frame (thanks to units triangular shape)



PATENTED

Tilt corrector system

Allows alignment of the plough trajectory and the tractor pull line.

101 cm point-to-point clearance

Optimum point-to-point clearance for all working conditions (reduces jamming problems).

80 cm of clearance

With forged stanchions to withstand the T and NSH safety requirements.

Toolbox

With a capacity of 60 litres (optional), it can be used to transport wearing parts.

Single-wheel

Manoeuvrability and stability with a large diameter 1,200 x 500 mm tyre for reduced compaction and maximum traction force.

Intuitive skimmer adjustment - 3D SKIM

- Developed for the MASTER L range and now standard on the MULTI-LEADER XT range
- A new setting to regulate burial: the angle of attack
- Quick settings without tools
- Simple operation to adjust the working depth and angle of attack
- A shape designed to facilitate the evacuation of materials even in the case of heavy residues

Angle of attack



BETTER GRIP AND ADAPTABILITY TO ANY CONDITIONS



MULTI-LEADER XT FURROW

- 7 to 9 bodies
- Tractors 180 to 405 hp
- T/NSH safety requirements
- Mechanical offset as standard (hydraulic as an option)
- Clearance under plough beam: 85 cm for T / 80 cm for NSH

KUHN + points

- Dedicated to traction and work efficiency
- Optimum grip in the furrow even in intensive conditions
- Version recommended by KUHN for uneven fields



VERSATILE AND CONVENIENT



MULTI-LEADER XT ON LAND

- 7 to 9 bodies
- Tractors 180 to 405 hp
- T/NSH safety requirements
- Hydraulic offset as standard
- Clearance under plough beam: 85 cm for T / 80 cm for NSH

KUHN + points

- Making the most of the available traction power: use of dual-wheel tractors or with tracks
- On-land offset up to 4.5 metres tractor overall width
- Ploughing on-land: lower fuel consumption, less tyre wear and maximum optimization of work.
- Ploughing versatility: possibility to plough in furrows.



MULTI-LEADER XT

THE PERFECT MATCH BETWEEN PRODUCTIVITY AND QUALITY OF WORK

KUHN PATENTED TILT CORRECTOR SYSTEM

The MULTI-LEADER XT features a trajectory correction setting for perfect plough alignment and optimum tractor traction. This tilt corrector system allows for more natural and economical driving (less slippage, less fuel consumption, less wear) while guaranteeing an optimal working width, especially in GPS when working on-land.



Z-shaped frame

The Z-shaped frame beam reduces the footprint and the wheel overhang to work closer to the edges of the field. With this design, there is no risk of interference between the plough and the wheel both during work and transport. Moreover, the beam of the rear extension is bevelled in order to work closer to fences and hedges.



Arm for press

The trailed model arm option provides a clean finish to your ploughing operations. This new arm is available on both the in-furrow and on-land versions. Its compact and foldable design allows for safe road travel.

EXCEPTIONAL MANOEUVRABILITY

The MULTI-LEADER XT ploughs are equipped with an articulated linkage between the hitch and the frame for better manoeuvrability at the headland. The 2-axis articulation allows for a steering angle of up to 110°! In combination with the patented tilt corrector, it optimises the pull line of the MULTI-LEADER XT. The MULTI-LEADER XT semi-mounted plough features a single-wheeled design which is more compact than a semi-mounted plough with central carriage.

CAN BE TURNED BY 180°

The MULTI-LEADER XT turns using kinematics equipped with 2 single-acting push cylinders, right and left. The plough turns smoothly and without jerking up to 180° depending on the setting of the vertical stops. In the ON LAND version, a hydraulic turning sequence is included as standard to optimise manoeuvrability by lowering the centre of gravity at the headland for greater operator comfort.



Easy transport

The MULTI-LEADER XT is very easy and convenient to transport with its shock-absorbing suspension.



Easy to store

The stands keep the plough at the same height during storage and ensure it remains stable on all types of soil. Hydraulic blocks and 1/4 valves are grouped together for easy maintenance and storage.



MULTI-LEADER XT

OPTIMAL PROTECTION

NON-STOP HYDRAULIC SAFETY

The general design of NSH safety systems allows for an increasing or decreasing triggering curve upon encountering the obstacle. As the mouldboard is lifted, the share point resistance increases, providing more power to act on the soil.

- Exceptional clearance: +70 cm vertically and 20 cm laterally on each side; the highest values on the market.
 - Lightweight: -25 kg / plough body compared to a mechanical non-stop system.
- **VARIBAR option:** allows to vary the pressure at the share tip from the tractor while ploughing: immediate adaptation to working conditions.
- **MAXIBAR option:** instantaneous overload calibration (600 to 2,500 kg) of the safety devices for working in very heavy soil.





TRACTION BOLT T SAFETY SYSTEM



The T safety system is a simple and cost-effective solution with many advantages:

1. Work rate: the 4,700 kg share tip force avoids accidental breakage and thus unnecessary stoppages.
2. Protection of the structure when an obstacle is encountered: breakage of a bolt by pulling.
3. Durability: no risk of damage to structural parts.
4. Quality work over time: no ovalization of the support that could affect the working depth.
5. The bolt is easily and quickly replaced in case of breakage.

WEARING PARTS

Backed by nearly 160 years of experience in ploughing, KUHN has developed ranges of mouldboards, skimmers and share points adapted to all the requirements of farmers. KUHN plough parts are made from high quality, robust materials, and are designed to ensure optimum penetration in all soil conditions and maximum service life.

PLOUGH MOULDBOARDS

Essential KUHN solutions



Helical L

Versatile mouldboard for standing or flat ploughing finish depending on the working speed. High clearance of the furrow bottom for wide tyres.



Working depth
20 to 35 cm.



Recommended tyre width:
710 mm



Helical T

For well-formed furrows ploughed at shallow to medium depth. Suitable for use with wide tyres. Recommended for surface tillage.



Working depth
12 to 25 cm.



Recommended tyre width:
650 mm



Cylindrical-helical N

Multi-purpose plough mouldboard. Cylindrical at the front and helical at the back, requiring less power.



Working depth
15 to 30 cm.



Recommended tyre width:
650 mm



Helical HC

For deep ploughing with well-formed furrows, suitable for sticky clays and "competition" ploughing. Available in plastic for heavy, damp clays.



Working depth
15 to 30 cm.



Recommended tyre width:
650 mm



Cylindrical P

For spring soil preparation with good surface crumbling for immediate seeding. High-speed capacity.



Working depth
20 to 35 cm.



Recommended tyre width:
650 mm



Slatted mouldboard V

Made up of interchangeable and independent slats. It keeps heavy, damp soils from sticking.



Working depth
20 to 30 cm.



Recommended tyre width:
650 mm



Increase the service life of your mouldboards by 40%

The mouldboards are made with unequal layers of TRIPLEX steel, with a thicker wearing layer where it counts and a softer layer in the middle to guarantee the best compromise between wear resistance and ploughing quality.

When you choose a KUHN plough equipped with mouldboards made with unequal layers of TRIPLEX steel, you can be sure that you are getting one of the best cost-per-hectare deals on the market.

SKIMMERS

The skimmer is critical as it cuts the strip of soil to bury the residue at the bottom of the furrow before the plough mouldboard passes through.



		Versatile skimmer ZX	Maize skimmer ZRL	Large capacity skimmer ZGC	Helical skimmer ZHL	Deflector DF
Working conditions	Living plant residues rooted and shredded	+	+	+	++	o
	Living plant residues rooted and not shredded	+	+	++	++	+
	Meadow	o	o	+	++	o
	Stubble with shredded straw	++	++	++	+	+
	Stubble with straw removed	++	+	+	++	o
	Non shredded large residues	o	++	+	+	+
Working quality	Distribution of residues over the entire ploughing profile	+	+	+	+	++
	Intermediate ploughing (residues scattered on the surface)	++	++	++	+	+
	Deep ploughing (with no residues on the surface)	++	+	+	++	o
Working speed (kph)		6 - 10	6 - 10	6 - 8	6-10	6 - 8

Nearly adapted Adapted Perfect



SHARE POINTS



MARATHON share point

Its special profile allows for better protection of the parts and a regular wear profile for good penetration.



OLYMPIC

A reworked tip for a better soil penetration. This point, whose thickness has been reinforced in the most exposed areas, offers a lifespan of more than 30% compared with the previous generation.



DURAKARB

The DURAKARB carbide plough share features angular carbide plates. This new point will be your perfect ally for controlled and long-lasting ploughing, without requiring any extra power. Service life x4 vs an OLYMPIC point.

Technical specifications

	MULTI-LEADER XT FURROW			
Model	7E (3+4)	8 (3+4+1)	8E (4+4)	9 (4+4+1) ¹
Min. power (kW/hp)	132 / 180	147 / 200		162 / 220
Max. power (kW/hp)	232 / 315	265 / 360		298 / 405
Weight (kg) for T safety system	4199	4446	4529	4776
Weight (kg) for NSH safety system	4488	4774	4857	-
Cutting width (m)	35 / 40 / 45 / 50			
Cutting width (inches)	14 / 16 / 18 / 20			
Clearance under plough beam (cm)	T: 85 standard and 90 optional / NSH: 80 standard			
Clearance between mouldboards (cm)	101			
Beam section (mm)	180 x 180			
Linkages	3 / 4N / 4 / K700			
Hydraulic fitting	Lifting and turning: 1 SA + 1 DA Hydraulic offset option: 1 DA VARIBAR option: 1 DA Trailed model arm option: 1 DA + 1 SA			

¹: depending on the country and the road regulations in force, some configurations are not available.



KUHN PARTS



Designed and manufactured to rival time. KUHN foundries and forge as well as a high-level manufacturing process allow the production of spare parts to defy time. You can truly rely on our know-how and our genuine parts. Farmers benefit from our client support and logistics services via any KUHN PARTS warehouse, which provide quick and reliable repair solutions in cooperation with your nearest authorized KUHN dealer.

MULTI-LEADER XT ON LAND			
7E (3+4)	8 (3+4+1)	8E (4+4)	9 (4+4+1) ¹
132 / 180	147 / 200		162 / 220
232 / 315	265 / 360		298 / 405
4779	5026	5109	5356
5068	5354	5437	-
35 / 40 / 45 / 50			
14 / 16 / 18 / 20			
T: 85 standard and 90 optional / NSH: 80 standard			
101			
180 x 180			
3 / 4N / 4 / K700			
Lifting and turning: 1 SA + 1 DA Hydraulic offset: 1 DA 1 free oil return 1 On Land memory: 1 DA VARIBAR option: 1 DA Trailed model arm option: 1 DA + 1 SA			

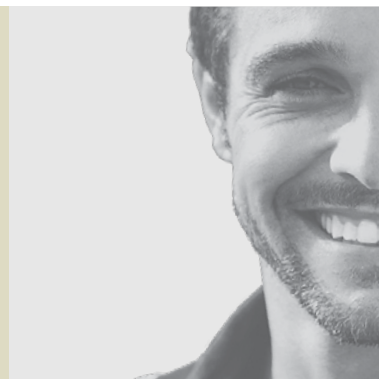
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KUHN protect+ - The choice of professionals!

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* Not all services are available in all countries. ** except January 1, May 1 and December 25

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Discover the KUHN semi-mounted plough ranges



1. VARI-LEADER - 2. VARI-MANAGER - 3. CHALLENGER - 4. VARI-CHALLENGER - 5. MULTI-LEADER XT

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