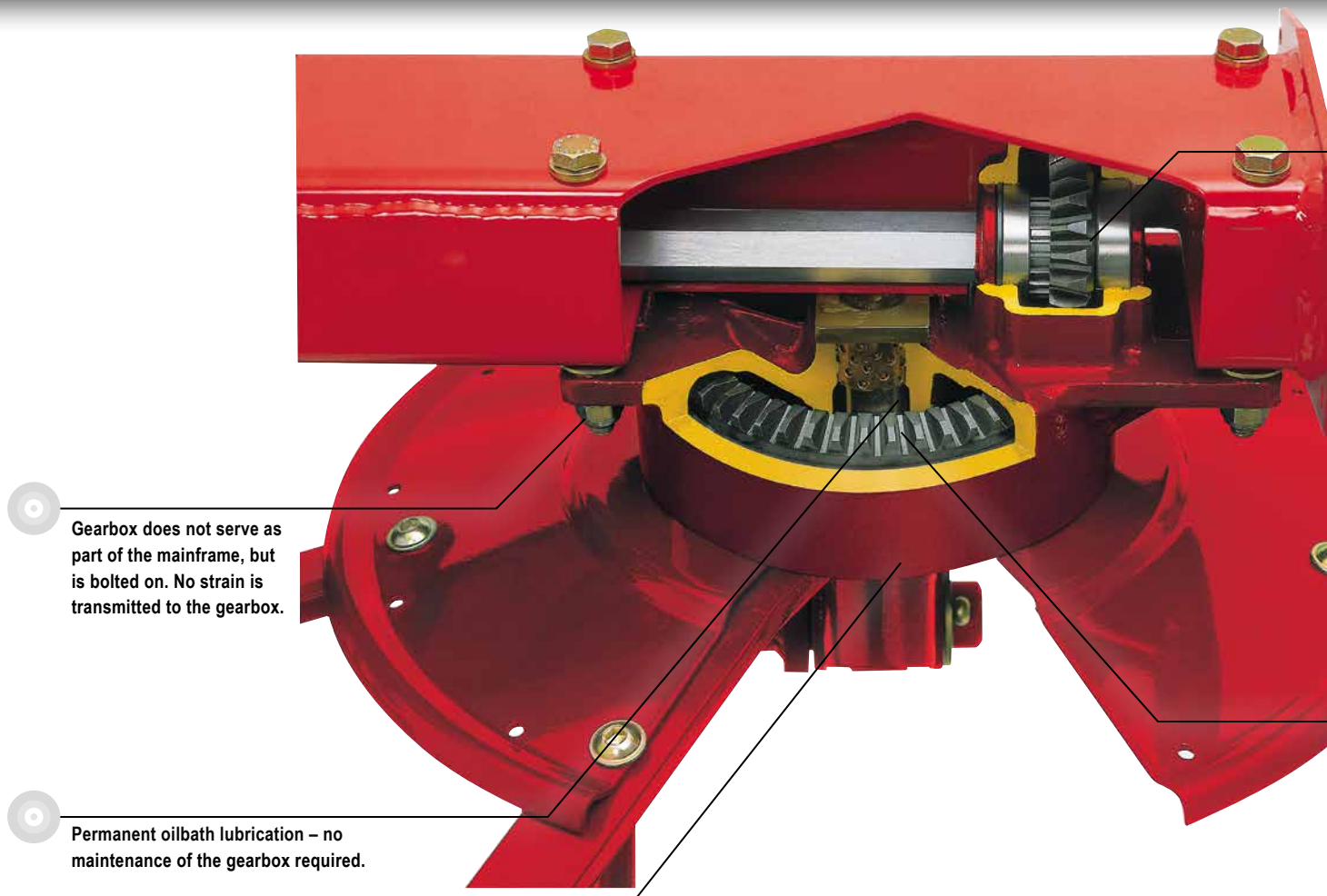
Rotary Tedders
8000 Series

Kverneland

Efficient and Gentle Spreading

The Right Tedder for Every Farm Size

Solid Design
- Maintenance-Free Operation



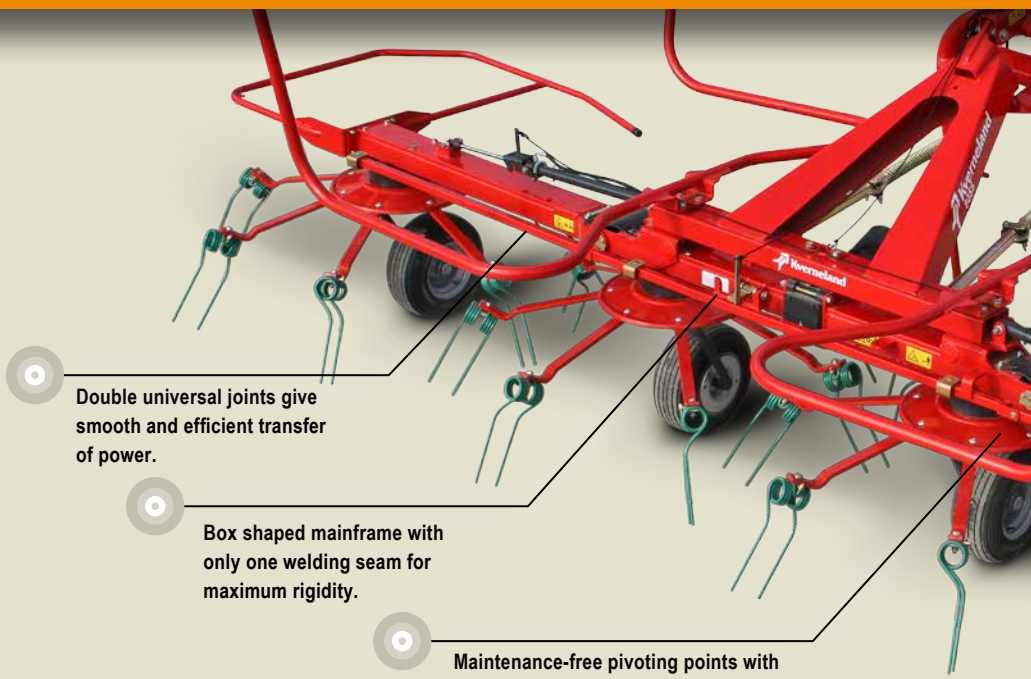
A Strong Reliable Heart
Kverneland ProLine tedders feature a uniquely designed self-contained rotor gearbox. The ProLine gearbox requires no maintenance, and is situated in an enclosed oilbath, set up to ensure permanent lubrication. No service or maintenance of the ProLine gearbox is needed.

The gearboxes do not serve as part of the frame, but are bolted onto the fully welded mainframe. This ensures that no load and strain from frame will be transmitted by the gearbox, adding to significantly longer lifetime.

The ProLine gearboxes feature reliable crown and pinion drives positioned in one housing. The main crown wheel in each gearbox is mounted directly to the casing by means of double bearing. The double bearings on both sides of the hexagonal drive shaft keeps the shaft securely in place, even when operating in heavy duty wet crop.

Double bearing on both sides of the drive shaft for highest durability to withstand the most severe conditions.

Crown wheel and pinion positioned in one housing for very reliable drive.



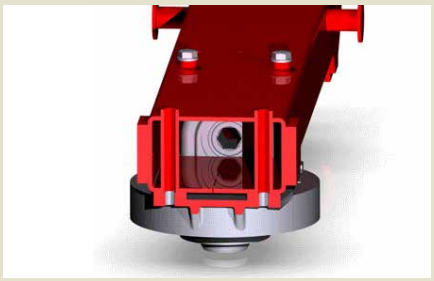
Double universal joints give smooth and efficient transfer of power.

Box shaped mainframe with only one welding seam for maximum rigidity.

Maintenance-free pivoting points with large diameter guarantee a very strong and reliable construction.

Heavy Duty Mainframe Design

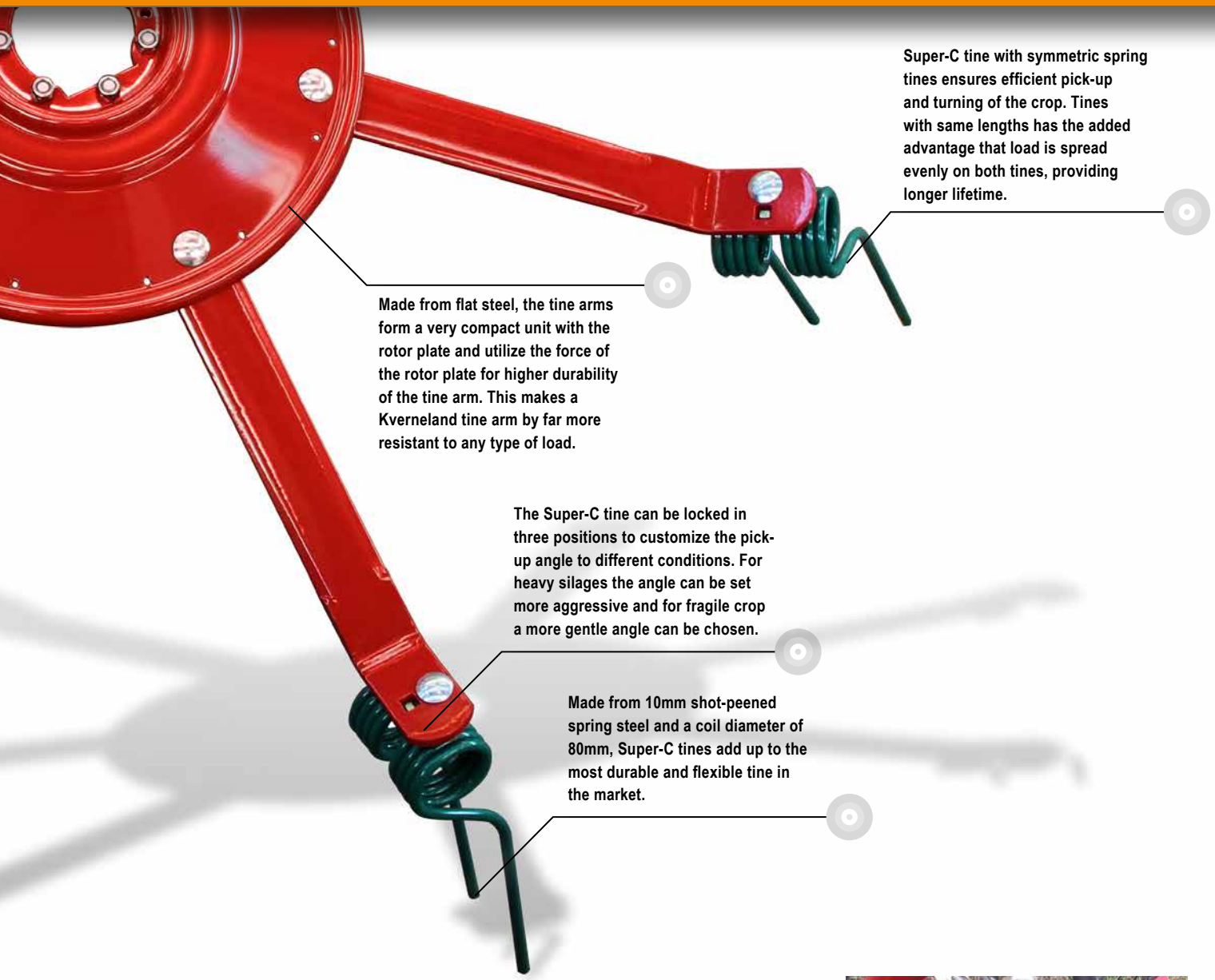
The tedders are built around a rugged new box section mainframe, made out of one piece of metal with only one welding seam – for maximum rigidity. The frame design is fully enclosed at the top edge for maximum strength – an exceptionally solid design, which allows the tedders to withstand the most severe loads.



The large drive shafts and double U-joints give smooth, efficient transfer of power through the frame allowing each rotor to accurately follow field contours.

Maintenance-free roller bearing for best possible performance and higher second hand value.

Super-C Tines – Even Spread, Clean Job



Super-C tine with symmetric spring tines ensures efficient pick-up and turning of the crop. Tines with same lengths has the added advantage that load is spread evenly on both tines, providing longer lifetime.

Made from flat steel, the tine arms form a very compact unit with the rotor plate and utilize the force of the rotor plate for higher durability of the tine arm. This makes a Kverneland tine arm by far more resistant to any type of load.

The Super-C tine can be locked in three positions to customize the pick-up angle to different conditions. For heavy silages the angle can be set more aggressive and for fragile crop a more gentle angle can be chosen.

Made from 10mm shot-peened spring steel and a coil diameter of 80mm, Super-C tines add up to the most durable and flexible tine in the market.

Take the Lead in Beating the Weather

Kverneland tedders help you produce high quality crop, even under difficult weather circumstances. Ever changing weather conditions often leave a very tight time window to prepare the crop. When the weather proves to be flexible, it is vital that your gear and equipment is just as flexible.

The Kverneland tedders are the right tool to accomplish uniform and rapid drying action of the crop. The Kverneland Super-C tines, working with generous overlap thanks to the rotor design, always leave an airy and evenly spread crop, speeding up the drying process so you can chop or bale the crop in time. Kverneland tedders allow you to instantly react to unpredictable weather conditions.

Optional third wheel lead to even more accurate track following and better tedding action.

The Super-C Tine
In order to produce high quality silage or hay, the crop must be spread evenly across the field to facilitate a uniform drying process. In addition soil contamination is a no go. The symmetric Kverneland Super-C tines of identical length efficiently pick up the crop and turn it for a very efficient crop flow. The crop is spread evenly and thrown over a wide distance, to ensure that the wet crop is placed on top of dry crop.

Tines with same lengths has the added advantage that load is spread evenly on both tines, providing longer lifetime.

The Kverneland Super-C tines are made of 10mm shot-peened spring steel. Spring diameter coils have 20% larger diameters than conventional designs for added service life, even when tedding large quantities of crop.

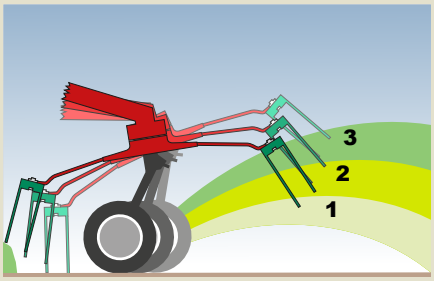
Setting the Right Spreading Angle

Simple three-way adjustment of wheel height, allows the optimum spreading angle to be achieved according to crop conditions, helping you to produce high quality forage.

Setting the rotors to the right spreading angle will considerably improve the spreading action and speed up the drying process. Set a steep angle for aggressive conditioning effect or choose the more flat angle for more gentle treatment of dry or very fragile material.

ProLine tedders are fitted with 10mm shot-peened spring steel combined with a coil diameter of 80mm that adds up to the most durable and flexible tine in the market.

Generous overlap ensures that crop is spread evenly.



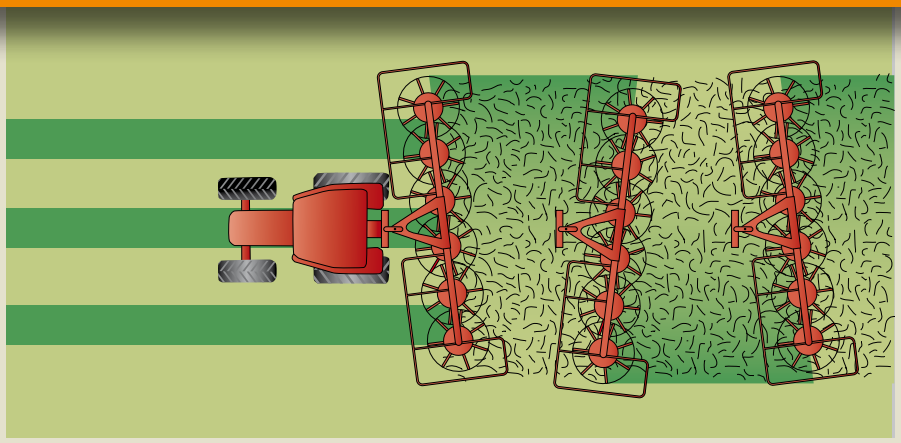
Easy adjustment of spreading angle via pin holes, no tools required.

Oscillation Dampers for Smooth and Even Crop Distribution

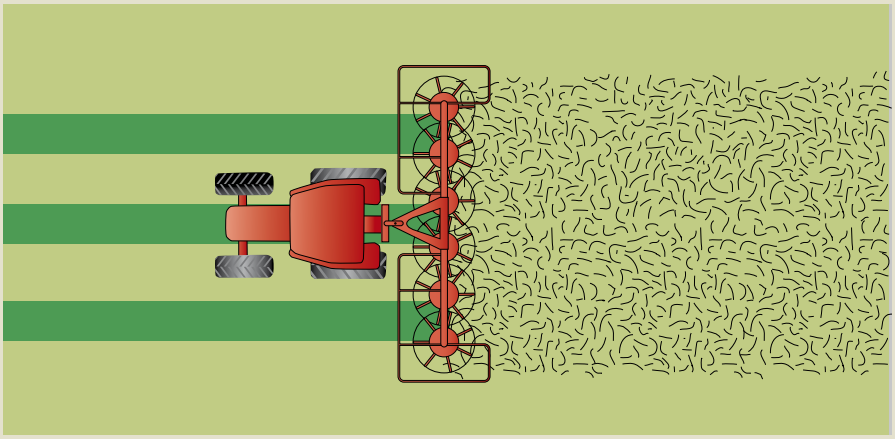
Oscillation Dampers
The Kverneland oscillation dampers ensure excellent ground contour following and tedder flotation. The construction of the oscillation dampers results in a smooth and even distribution of the grass, due to the constant tine distance to the ground. The distant linkage point means that it offers excellent running characteristics compared to conventional oscillation dampers.

The fact that the linkage is positioned low on the headstock results in a more effective damping action during transport.

- Widely spaced mounting points - no risk of 'hunting'
- Excellent running characteristics
- Low-positioned linkage on the headstock for more effective damping action during transport
- No risk of the tedder mounting up driving downhill, excellent tedding at all times through constant tine spacing to the ground
- Maximum stability in transport position - no further lock of headstock required.



Conventional systems



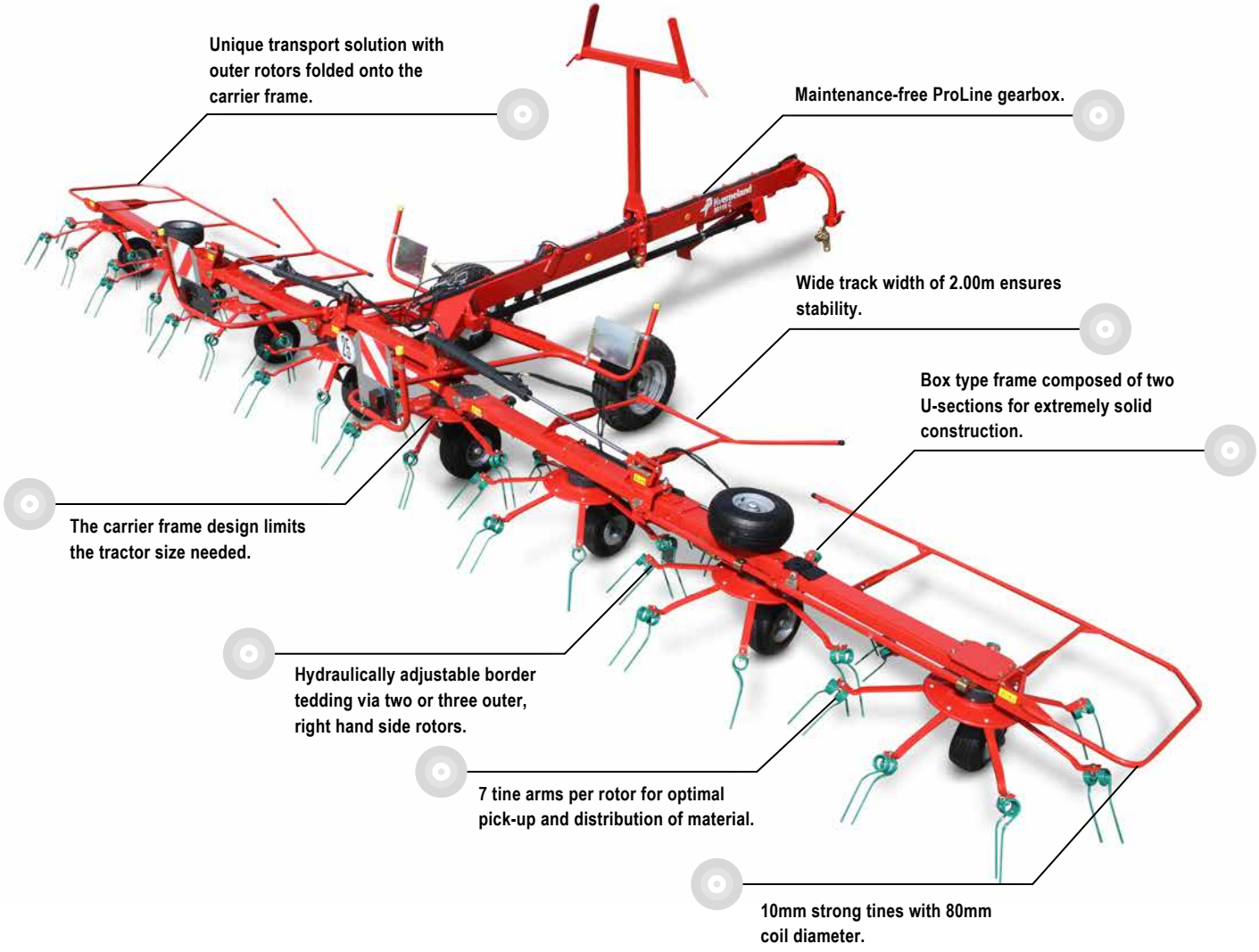
Kverneland oscillation dampers

It’s All About Performance!

Sheer Efficiency
These tedders offer a new dimension in efficiency and stability. Up to 10 rotors with 7 tine arms each, can neatly spread four 3.00m swaths. The solid design is your guarantee of a long lifetime, even when working in the toughest conditions. Its´ large gears, sturdy shock proof bearings and oil-immersed drive system require zero lubrication.

Easy Handling
This easy to use machine is operated fully hydraulically and can be controlled from the tractor cab. High ground clearance and a wide wheelbase provide absolute road stability at high transport speeds. The folding mechanism and conversion to border tedding is hydraulic, and controlled from the tractor seat.

Minimum Maintenance
All vital parts are enclosed in a permanent oilbath for extreme durability and stability. The bearings offer a further innovation, with which the individual framework construction units are connected. The roller bearings of Kverneland 85140 C are life span lubricated. This absolutely maintenance-free kind of storage guarantees maximum stability and life span.



For border tedding the outer rotors are pivoted, to secure evenly inward spreading.

80° turning angle ensures excellent manoeuvrability.

Strong and stable wheels for transport.

Unique Transport Solution

Fast and efficient conversion from transport to working position.

During transport both tedders have a height of only 3.35m and a width below 3.00m.

Transport Height of Only 3.35m

Kverneland 80110 C and 85140 C offer a unique transport solution that improves total work of the tedder. In transport position the outer rotors are folded forward onto a carrier frame. In this way transport height for 80110 C and 85140 C is only 3.35m, and a transport width of less than 3.00m is achieved.

The carrier frame allows the tedders to move forward quickly and easily when going from one field to another. This not only saves time but improves the total efficiency of the tedding process.

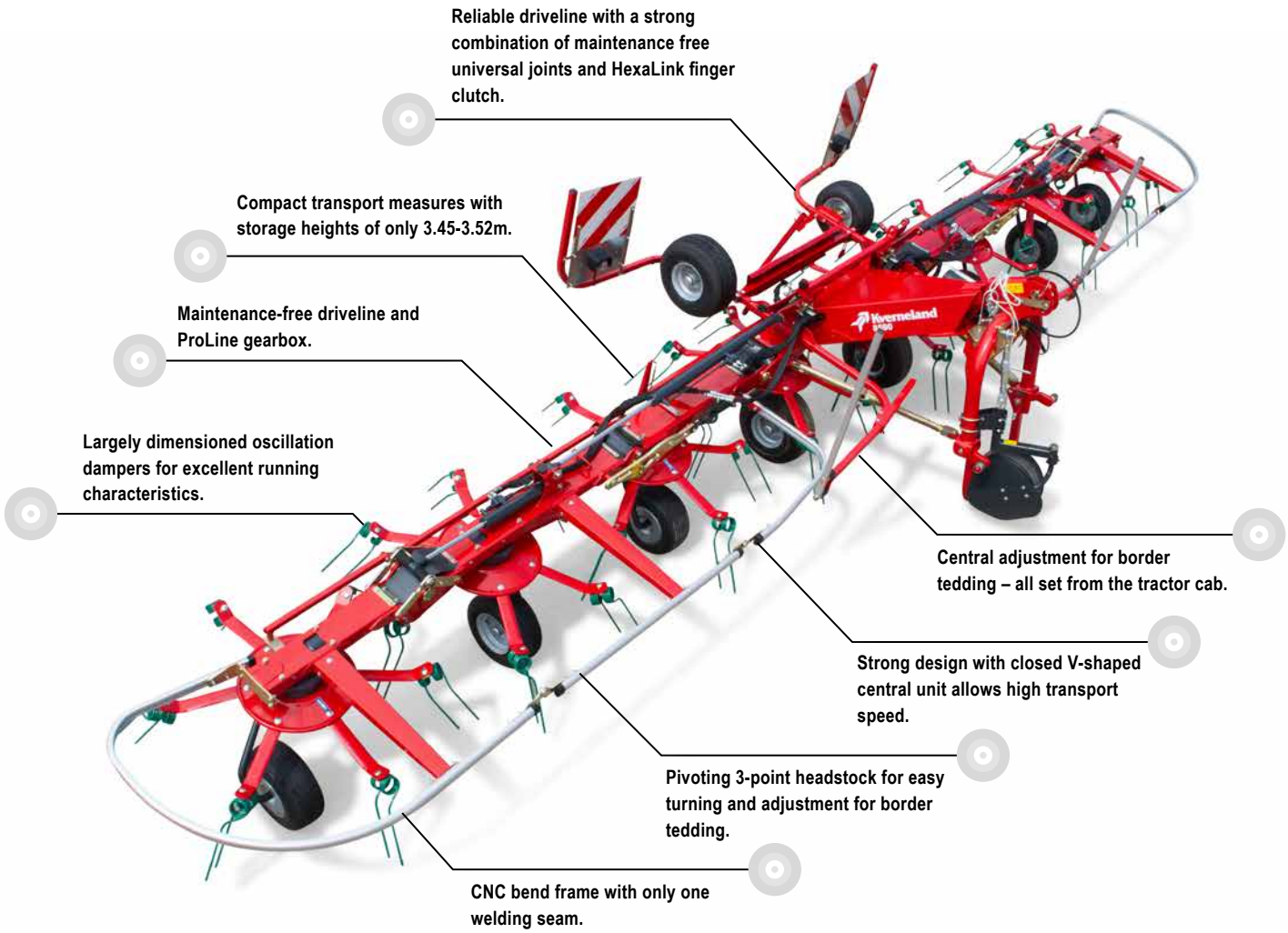
Excellent ground tracking, even in very uneven terrain.

Productivity at the Core

Heavy Duty Confidence
Kverneland's new generation of mounted tedders is designed to perform perfect in all crop conditions, with a minimum of non-productive maintenance required and with diminished transport dimensions. The range of mounted ProLine tedders includes 5.5m, 6.8m, 7.6m, 9.0m and 11.2m versions. Featuring a heavy duty fully closed headstock and a strong V-shaped central unit, these machines will fit perfectly into the operation of professional farmers, looking for a strong, effective, and versatile tedder.

Maintenance Made Easy
Powered by maintenance-free driveline and gearboxes, focus can be directed towards the essentials to maximize productivity. No time is wasted on time consuming greasing. Additionally the hinges are connected with strong maintenance-free roller bearings for extended longevity and stability of the connection points.

High Quality Tedding in all Conditions
The tine arm design, with flat steel tine arms, ensures that high loads can be transferred without any bending of the arms, leading to perfect tedding of even the heaviest crop. Additionally the strong oscillation dampers provide stable and accurate running characteristics, leading to an even spreading pattern across the complete working width. All standard settings, like rotor and tine angle adjustment and setting for border tedding is easily done.



All tedders can be equipped with a third wheel to ensure correct set-up of the tedder independent from tractor and driver.

Strong and sturdy mainframe design with V-shaped central unit.

Aluminium rail guards, which are low in weight, but still extremely impact resistant.

Reduced Transport Height – Increased Efficiency

Compact Transport Dimensions
These ProLine tedders offer very compact transport dimensions with their new clever folding solution. A parking height is possible, due to the implementation of the new HexaLink finger clutch system in the joints of the two outer rotors (Kverneland 8576, 8590 and 85112)). The remaining rotors are driven by double acting foldable cylinders*. They provide safe unfolding under all conditions.

* Except 8555

Kverneland HexaLink finger clutch permits a 180° folding of the rotors for transport. (Kverneland 8576 and 8590)

A hydraulic headland kit is optionally available.*

Kverneland 8590 in transport.

Compact in transport and during storage thanks to the new clever folding mechanism.

To increase productivity these tedders are equipped with a mechanical border tedding device. Optionally a hydraulic solution is available. A marker shows the position of the axle.

Minimum Maintenance Promotes High Uptime

11.2m Working Width

From heavy duty silage to hay making, the Kverneland 85112 is designed to provide an excellent spreading job, significantly speeding up the drying process. Delivering 11.2m working width from 10 rotors, each fitted with 6 tine arms per rotor, the result is high performance and output. Featuring a heavy duty fully closed headstock, the Kverneland 85112 fits perfectly into the operation of professional farmers, looking for a strong, productive and versatile tedder.

New Folding Mechanism and Compact Transport Dimensions

The largest in the Kverneland range of mounted rotary tedders comes with a new folding mechanism, providing extra stability when folding on uneven terrain. This ensures even weight distribution during the complete folding sequence. Thanks to the new Kverneland HexaLink finger clutch system, the Kverneland 85112 folds into very compact transport and storage dimensions. Despite its impressive working width of 11.2m, this rotary tedder offers storage height as low as 3.8m and a transport width of only 2.95m.

Kverneland 85112 is fitted with the new XL version of HexaLink finger clutch providing reliable power transfers and 180° folding of the rotors for transport.

Compact transport dimensions of Kverneland 85112 – storage height is only 3.8m.

Tight turning angle ensures excellent maneuverability.

The optional hydraulic headland kit easily stabilises the tedder during headland turning.

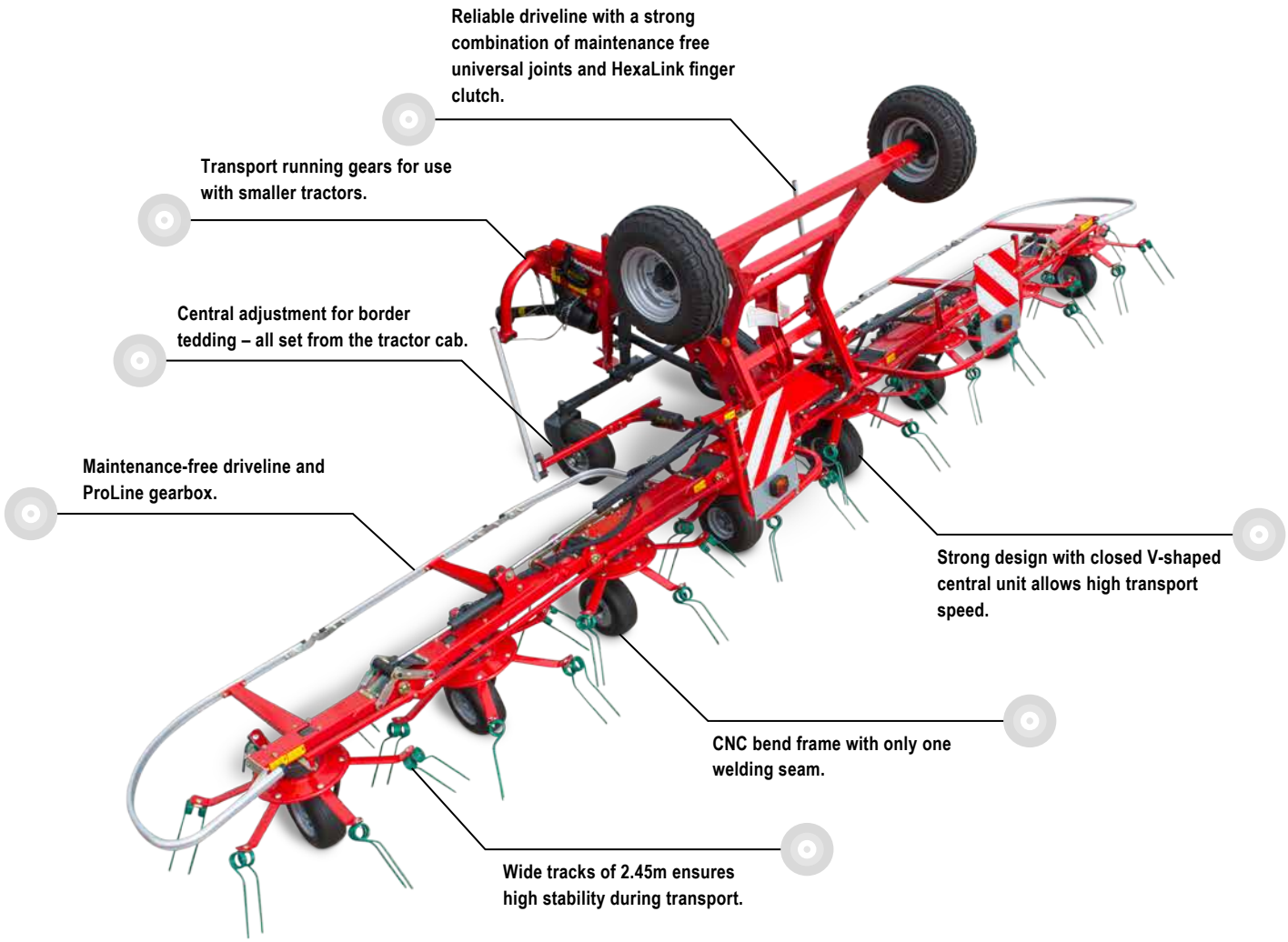
Kverneland 8590 C ProLine

9m Working Width with Tractors Starting From 60hp

A Transport Solution Built to Take a Beating

The new Kverneland 8590 C is a 9m, 8-rotor carrier frame tedder purpose-built for use with smaller tractors. The wide track width ensures stable running characteristics during road transport. Due to the carrier frame concept, the lifting capacity of the tractor is not a limiting factor and it can be operated with tractors starting from 60hp.

In road transport, tedder weight rests on the running gear, rather than on the tractor's rear axle. The optimised driveline provides low input requirement, so you can easily use a small tractor and still work at wide working widths - the ideal solution that saves fuel and running costs.



Kverneland HexaLink finger clutch permits a 180° folding of the rotors for transport.

Optionally available with hydraulic pre-selection of main functions.

New optional third wheel with tandem axle for high accuracy in ground followings.

Reliable Performance with Smart Transport Solution

Compact Transport Dimensions
The carrier frame concept of Kverneland 8590 C allows it to be managed using smaller tractors than conventional designs. Kverneland 8590 C offers very compact storage and transport height of only 3.74m due to the implementation of the HexaLink finger clutch system in the joints of the two outer rotors. The remaining rotors are driven by maintenance-free universal joints, for strong and efficient transfer of power, including the possibility of running in folded position.

Standard running wheels of Kverneland 8590 C are extra wide 10.0/75 – 15.3 tyres with a generous track width of 2.45m

Kverneland 8590 in transport.

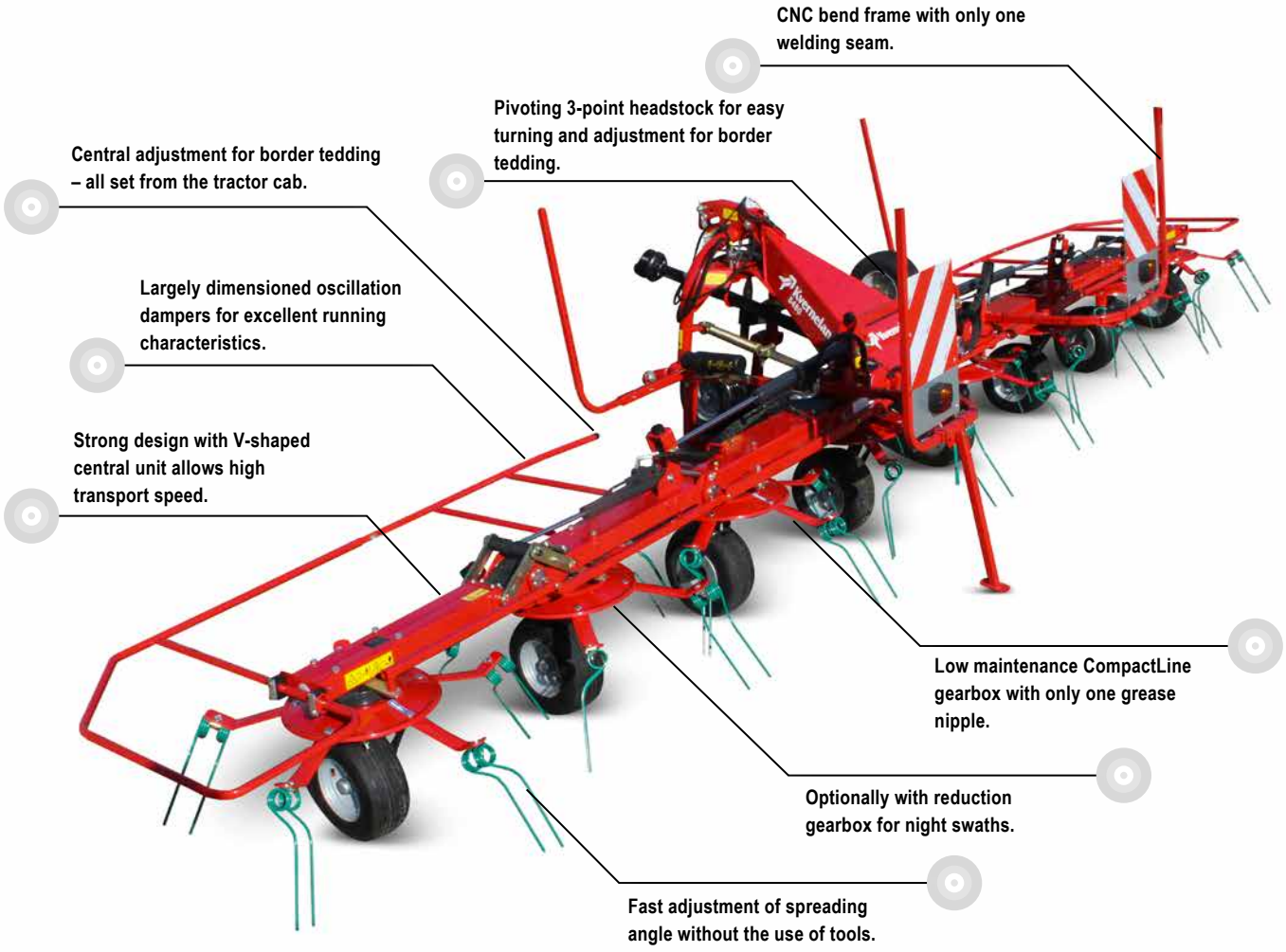
Kverneland 8590 easily converts from transport to working position and fold hydraulically.

The Hay Making Tedders

Powerful Dimensions
Kverneland 8460 and 8480 come with a strong package of features, such as 2 oscillation dampers, strong V-shaped central unit and central adjustment for border tedding. They offer considerable working widths with their combination of 6/8 rotors and 6.05m/8.05m working width.

The very small rotors are especially designed for optimized performance while producing dry hay. The compact rotors, in combination with a big overlap, ensure complete pick-up of the grass and equal distribution over the entire working width. Both tedders are fitted with a central adjustment device for setting the machine at the correct angle for border tedding. This is set mechanically from the tractor cab and is done in very few seconds. Optionally hydraulic operation is available too.

The strong design of the V-shaped central unit provides high stability during tedding operation and allows high transport speed.



Standard oscillation dampers ensure an even spreading pattern.

Kverneland 8460 folds hydraulically from working to transport position and vice versa.

Easy and simple adjustment of tine angle.

Achieve More with Kverneland 8480

Built to Last – Minimum Maintenance

The Kverneland 8480's superior durability and ease of maintenance ensure maximum machine uptime. It is designed with a strong package of Kverneland features such as 2 oscillation dampers and strong V-shaped central frame unit for stable and accurate running characteristics. The rotor gearbox is designed to just keep going and only requires greasing once per season, of just one point.

Kverneland HexaLink finger clutch permits the rotors to fold 180° for transport.

Easy adjustment of spreading angle.

Compact folding for transport.

With the optional reduction gearbox it is possible to place night swaths.

Compact Folding for Transport
Despite its´ 8.05m working width the Kverneland 8480 will fold into a very compact unit for transport, and will go below 3.00m transport width.

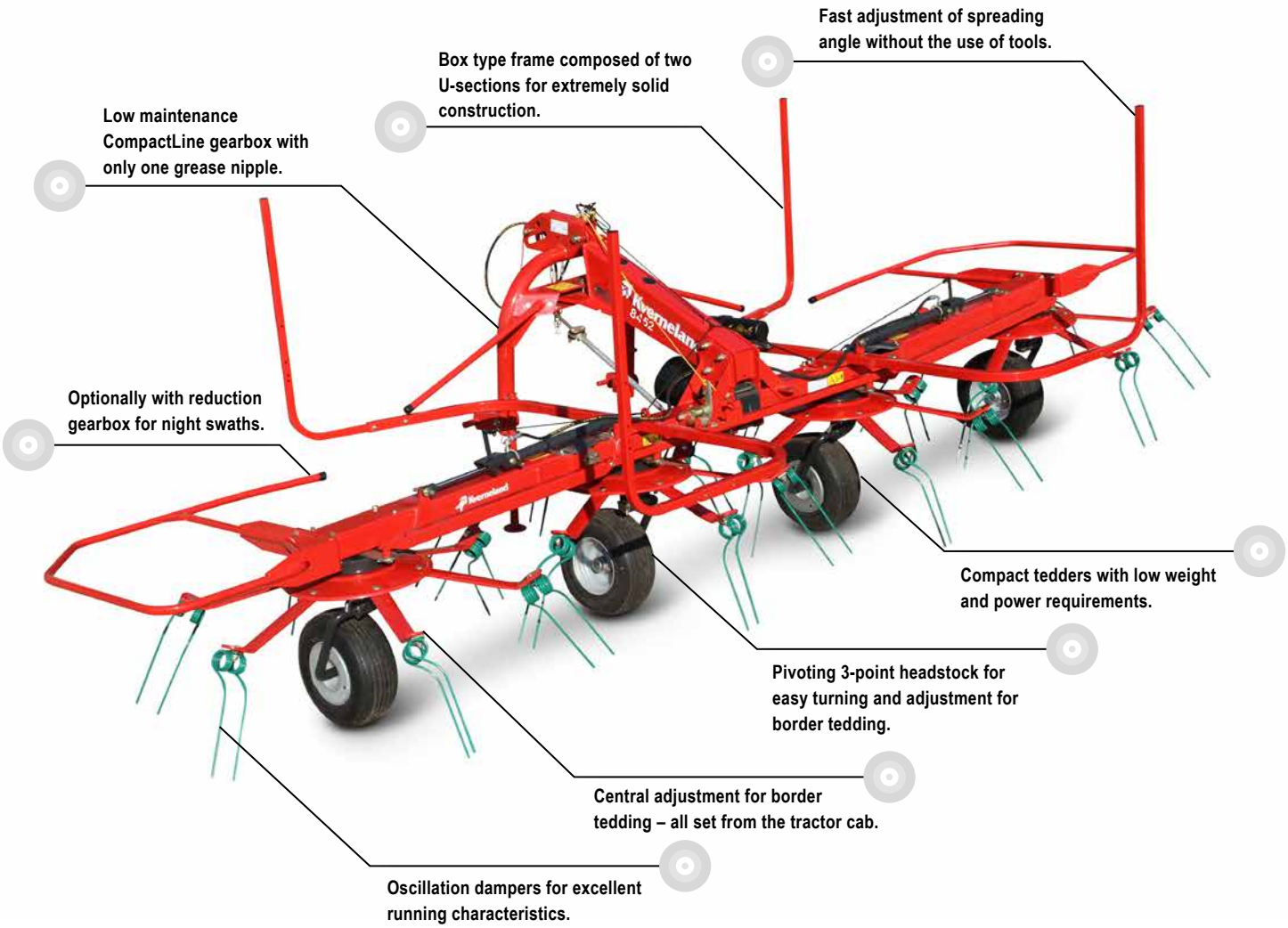
The two outer rotors are fitted with the new Kverneland HexaLink finger clutch, a simple, yet efficient drive system that permits these rotors to turn into a 180° position for transport. The remaining rotors are driven by double universal joints, providing sturdy and efficient transfer of power.

Compact – Easy to Maintain

Low Maintenance
With working widths of 4.60m and 5.20m, Kverneland offers the CompactLine range with low maintenance rotor gearboxes. The rotors of the 8446, 8452 and 8452 T are driven by a low maintenance gearbox with only one grease nipple. The double bearings from pinion to crown wheel guarantee maximum longevity of the driveline. The low weight of these models is ideal for application with small tractors, or in hilly regions.

Incredible Dimensions
Even the smallest models excel – the rotor plate diameter measures 500mm! All tedders feature gearboxes flanged to the frame, and which have no supporting function, and are therefore not subjected to any strain. This system sets the benchmark with respect to stability, smooth running, quality of work and efficiency. Compare for yourself.

All models are fitted with a central adjustment device for setting the machine at the correct angle for border tedding. This is set mechanically from the tractor cab and is done in very few seconds. Optionally hydraulic operation is available too.



All tedders fold hydraulically from working to transport position and vice versa.

Keep the crop inside the field with border tedding.

Kverneland 8446 and 8452 are centrally adjusted for border tedding.

Technical Specifications

Models	8446	8452 T	8452	8555	8460	8568	8576	8480	8590	8590 C
Dimensions and Weights										
Working width* (m/feet)	4.60(15'1")	5.20(17'1")	5.20(17'1")	5.50(18'1")	6.05(19'10")	6.80(22'4")	7.60(24'11")	8.05(26'5")	9.00(29'6")	9.00(29'6")
Width, working position (m/feet)	5.00(16'5")	5.40(17'9")	5.40(17'9")	5.80(19')	6.40(20'12")	7.15(23'5")	7.90(25'11")	8.35(27'5")	9.45(31'0")	9.45(31'0")
Transport width (m/feet)	2.85(9'4")	2.90(9'6")	2.90(9'6")	2.98(9'9")	1.75(9')	2.92(9'7")	2.96(9'9")	2.80(9'2")	2.94(9'8")	2.94(9'8")
Transport length (m/feet)	2.85(7'6")	2.90(9'6")	2.10(6'11")	2.30(7'7")	1.86(6'1")	2.20(7'3")	2.26(7'5")	2.90(9'6")	2.16(7'1")	4.21(14')
Storage height (m/feet)	2.45(8')	2.65(8'8")	2.65(8'8")	2.80(9'2")	3.10(10'2")	3.52(11'7")	3.46(11'4")	3.15(10'33")	3.49(11'5")	3.74(12'3")
Weight approx. (kg/lbs)	500(1102)	460(1014)	530(1168)	640(1410)	650(1433)	900(1984)	990(2183)	920(2028)	1260(2778)	1700(3747)
Capacity theor. (ha/h)	3.7	4.2	4.2	4.4	4.8	5.4	6.1	6.4	7.2	7.2
Linkage										
Pivoting 3-point headstock	Cat. I+II	-	Cat. I+II	Cat. II	Cat. I+II	Cat. II	Cat. II	Cat. II	Cat. II	-
Tow bar / Hitch	-	●	-	-	-	-	-	-	-	-
Two point lower linkage	-	-	-	-	-	-	-	-	-	Cat. II
Oscillation dampers	●	-	●	-	-	-	-	●	-	-
- integr. locking device	-	-	-	●	●	●	●	●	●	-
Rotors/Tines/Safety Frames										
Number of rotors	4	4	4	4	6	6	6	8	8	8
Number of tine arms per rotor	5	6	6	7	5	6	7	5	6	6
Tine loss prevention equipm.	o	o	o	o	o	o	o	o	o	o
Spreading angle adjust. (3 pos.)	●	-	●	●	●	●	●	●	●	●
Mech. central wheel adjust.										
for border tedding	●	-	●	●	●	●	●	●	●	-
Same, hydraulic	o	-	o	o	o	o	o	o	o	●
CompactLine Gearbox	●	●	●	-	●	-	-	o	-	-
ProLine Gearbox	-	-	-	●	-	●	●	-	●	●
Wheel/Axles/Light										
Tyres	16x6.5-8	16x6.5-8	16x6.5-8	16x6.5-8	16x6.5-8	16x6.5-8	16x6.5-6	6x6.5-8	16x6.5-8	16x6.5-6
Tyres, central unit	-	-	-	-	-	-	-	-	18x8.50-8	18.5x8.5-8
Front gauge wheel	o	-	o	o	o	o	o	o	o	o
Anti-wrapping plates	o	o	o	o	o	o	o	o	o	o
Carrier frame	-	-	-	-	-	-	-	-	-	10.0x75-15
Tandem axles	-	o	-	o	-	o	o	o	o	o
Warning panels	o	o	o	o	o	o	o	o	●	●
-, with integr. lighting	o	o	o	o	o	o	o	o	●	●

*(DIN 11220)

● = Standard o = Optional - = Not avaliable

85112	80110 C	85140 C
11.20(36'8")	11.00(36'1")	13.30(43'8")
11.70(38'4")	11.30(37'1")	13.80(45'3")
2.95(9'68")	2.98(9'9")	2.98(9'9")
2.37(7'77")	5.90(19'4")	6.20(20'4")
3.80(12'43")	3.30(10'10")	3.35(10'1")
1600(2788)	1760(3880)	2300(5071)
9.0	8.8	10.7
Cat. II	-	-
-	-	-
-	Cat. II	Cat. II
•	-	-
•	-	-
10	8	10
6	7	7
o	o	o
•	•	•
•	-	-
o	•	•
-	-	-
•	•	•
16x6.5-6	16x6.5-6	16x6.5-6
18.5x8.5-6	18.5x8.5-8	18.5x8.5-8
o	-	-
o	o	o
-	10.0x75-15	10.0x75-15
o	-	-
•	•	•
•	•	•

The Right Tedder for Every Cutting Width

Model	Working Width										
	1.6 m	2.0 m	2.4 m	2.8 m	3.2 m	3.5-3.6 m	4.0 m	8.7 m	9.0 m	9.5 m	10.2 m
8446											
8452 8452 T											
8555											
8460											
8568											
8576											
8480											
8090 C 8590											
80110 C 85112											
85140 C											

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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