

**464-524T-524-553-604-683-763(C)-  
804-834T-903(C)-1103C-1134T-1404C**



# **Fanex Rotary Tedders**





# Rotary Tedders Straight from the Inventor...





# 50 Years of Experience



In 1961 a completely new concept in the hay making was introduced with the very first rotary tedder. It was invented by Fahr in Gottmadingen (Germany), today known as the Kverneland Group Gottmadingen Hay tools competence centre. The very first rotary tedder - the KH series was available with either 2, 4 or 6 rotors and truly revolutionized the process of hay making. It was instantly recognized as a very efficient and accurate solution for turning and drying the crop.

Since the introduction of the first tedder more than 250.000 tedders have been sold out of Gottmadingen, making the Vicon brand by far the most successful tedder worldwide. Today the Fanex tedder range is benefitting from more than 50 years of experience, offering the most complete and attractive tedder range in the market.

## The Fanex Advantages

- Working widths from 4.60m right up to 13.30m
- Low maintenance gearbox on the CompactLine range for smaller and medium sized farms
- Maintenance-free gearbox on the ProLine range for the toughest conditions
- Generously dimensioned oscillation dampers for excellent running characteristics and working result
- An exceptionally solid design of the chassis, which allows the tedder to withstand the most severe loads
- 10mm strong tines with 80mm coil diameter on ProLine, offering unsurpassed flexibility
- XXL-rotor plate with a diameter of no less than 500mm for excellent fixation of the tine arms

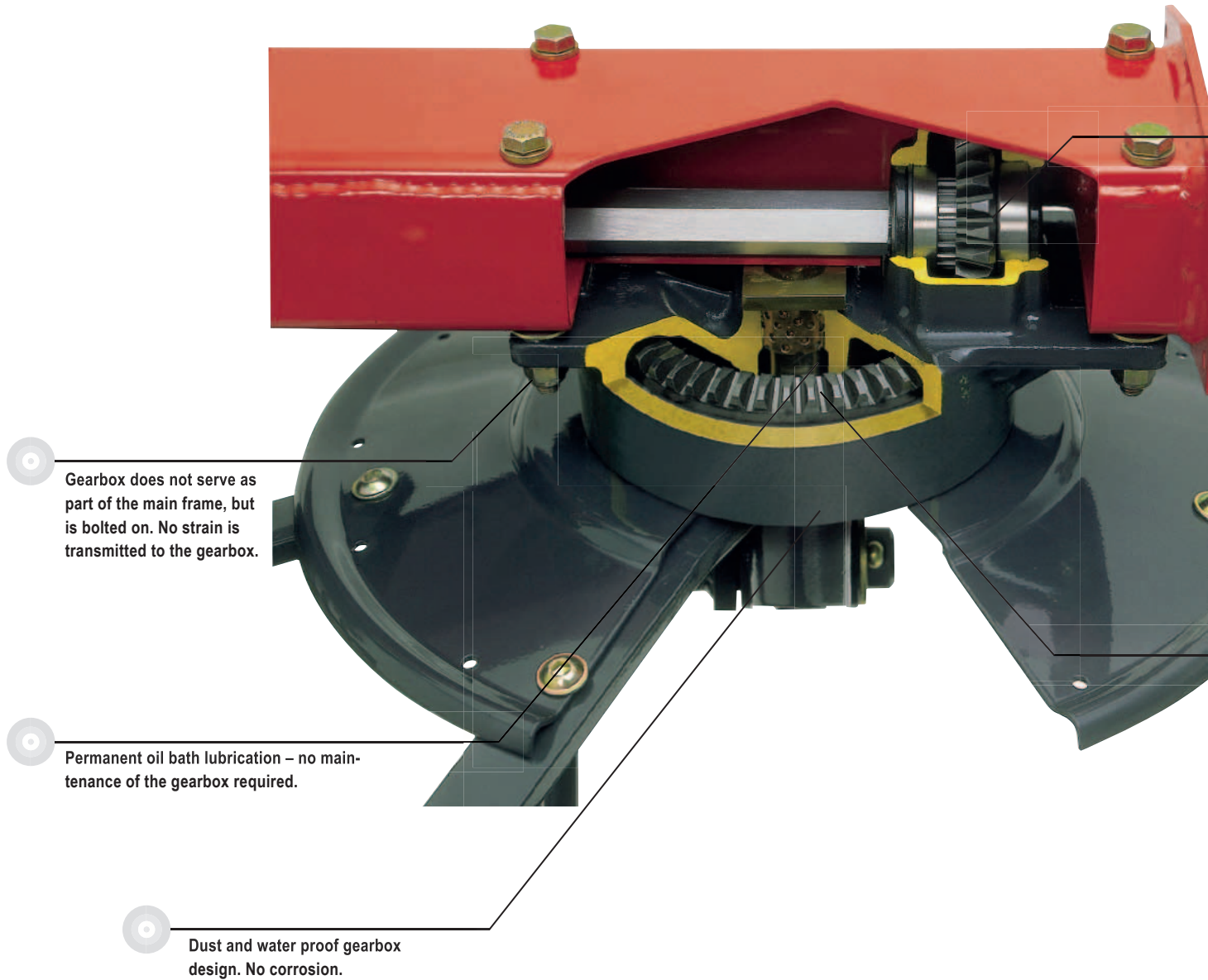


The very first rotary tedder KH4 was introduced in 1961.

ProLine

# Solid Design

## - Maintenance Free Operation



### A Strong Reliable Heart

Vicon ProLine tedders feature a uniquely designed self-contained rotor gearbox. The ProLine gearbox requires no maintenance, and is situated in an enclosed oil-bath, 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 main frame. This ensures that no load and strain from frame or tine arm vibrations will be transmitted by the gearbox, adding to significant longer lifetime.

The ProLine gearboxes features 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 crops.



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

Double universal joints give smooth and efficient transfer of power.

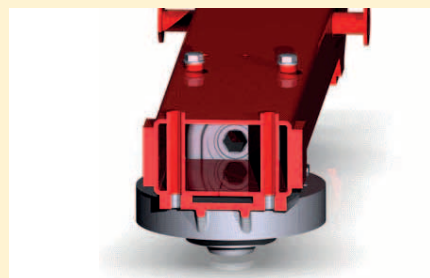
Box shaped main frame with only one welding seam for maximum rigidity.

Greasable pivoting points with large diameter guarantee a very strong and reliable construction.

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

## Heavy Duty Main Frame Design

The Fanex tedders are built around a rugged new box section main frame, 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 Fanex tedders to withstand the most severe loads.

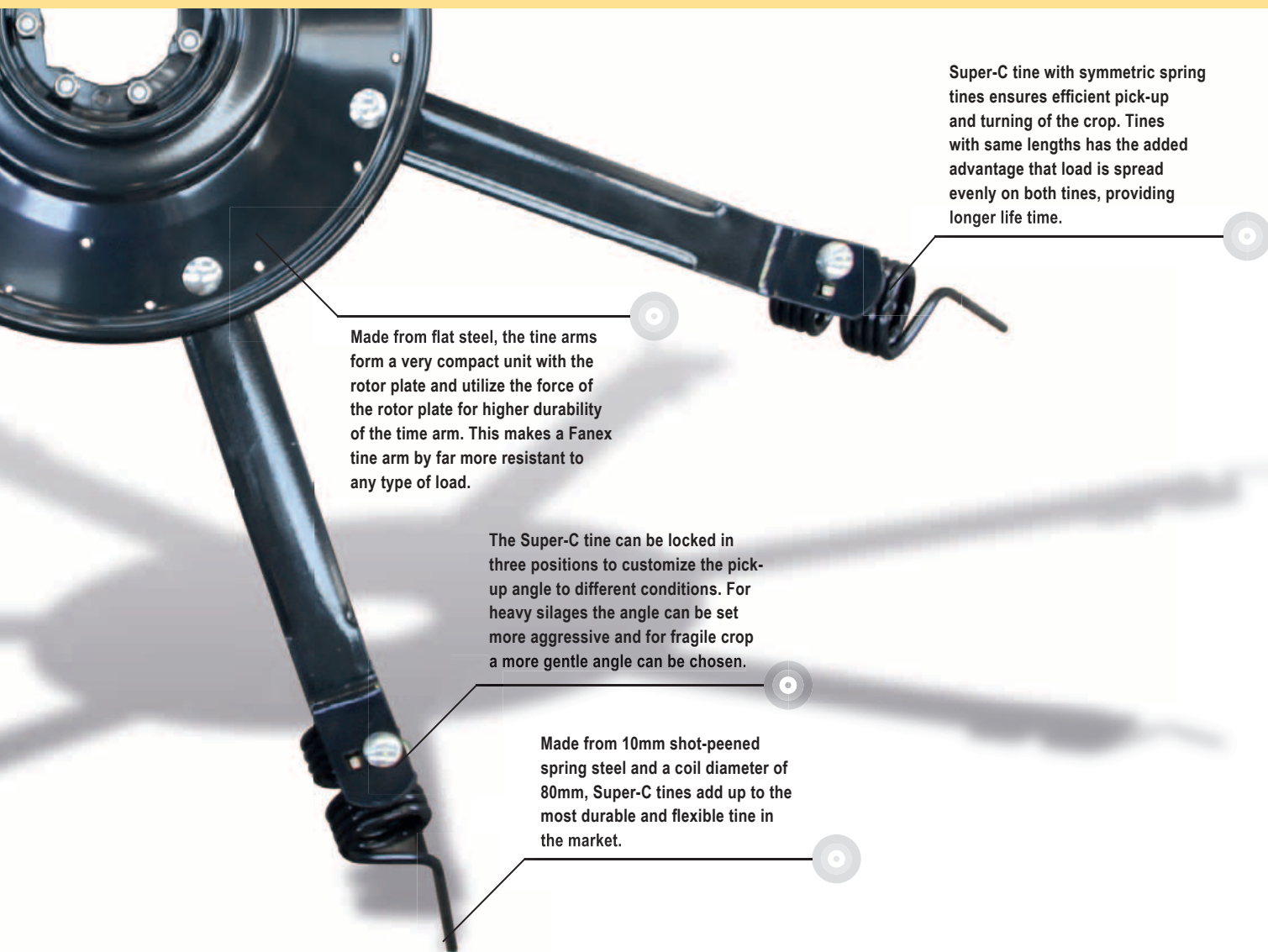


The large drive shafts and double U-joints give smooth, efficient transfer of power through the frame allowing each rotor to accurately follow field contours and rotate in all positions.



Greasable pivoting points are extremely wide and mounted in double bush bearings for maximum dependability.

# 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 life time.

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 time arm. This makes a Fanex 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

Fanex 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 Fanex tedders are the right tool to accomplish uniform and rapid drying action of the crop. The Fanex 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. Fanex 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 Fanex 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 life time.

The Fanex 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.



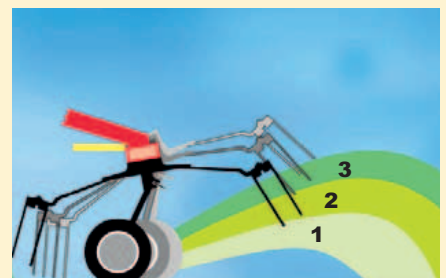
Setting the rotors to the right spreading angle will considerably improve the spreading action and speed up the drying process. Set a steep angle for aggressive conditioning effect or choose the more flat angle for more gentle treatment of dry or very fragile material.



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, not tools required.

# Oscillation Dampers for Smooth and Even Crop Distribution



## Vibration Dampers

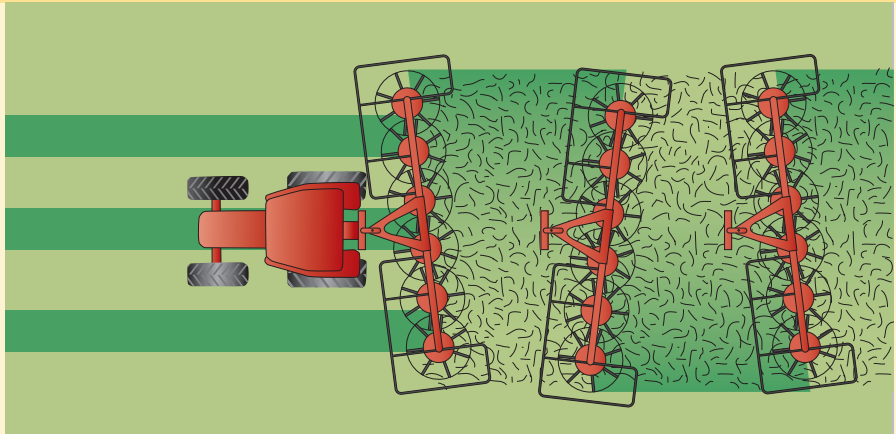
The Fanex oscillation dampers ensure excellent ground contour following and tedder flotation. The construction of the oscillation dampers results in a smooth and even distribution of the grass, due to the constant tine distance to the ground. The distant linkage point means that it offers excellent running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

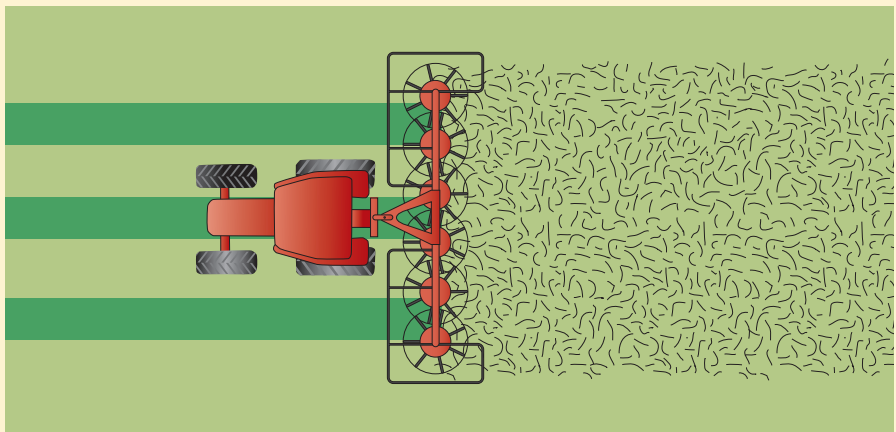
- Widely spaced mounting points  
- no risk of 'hunting'
- Excellent running characteristics
- Low-positioned linkage on the head-stock for more effective damping action during transport

- No risk of the tedder running under the tractor on downhill work, 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**



**Fanex oscillation dampers**





Fanex 1103C-1404C ProLine

# High Capacity Tedders



## 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.

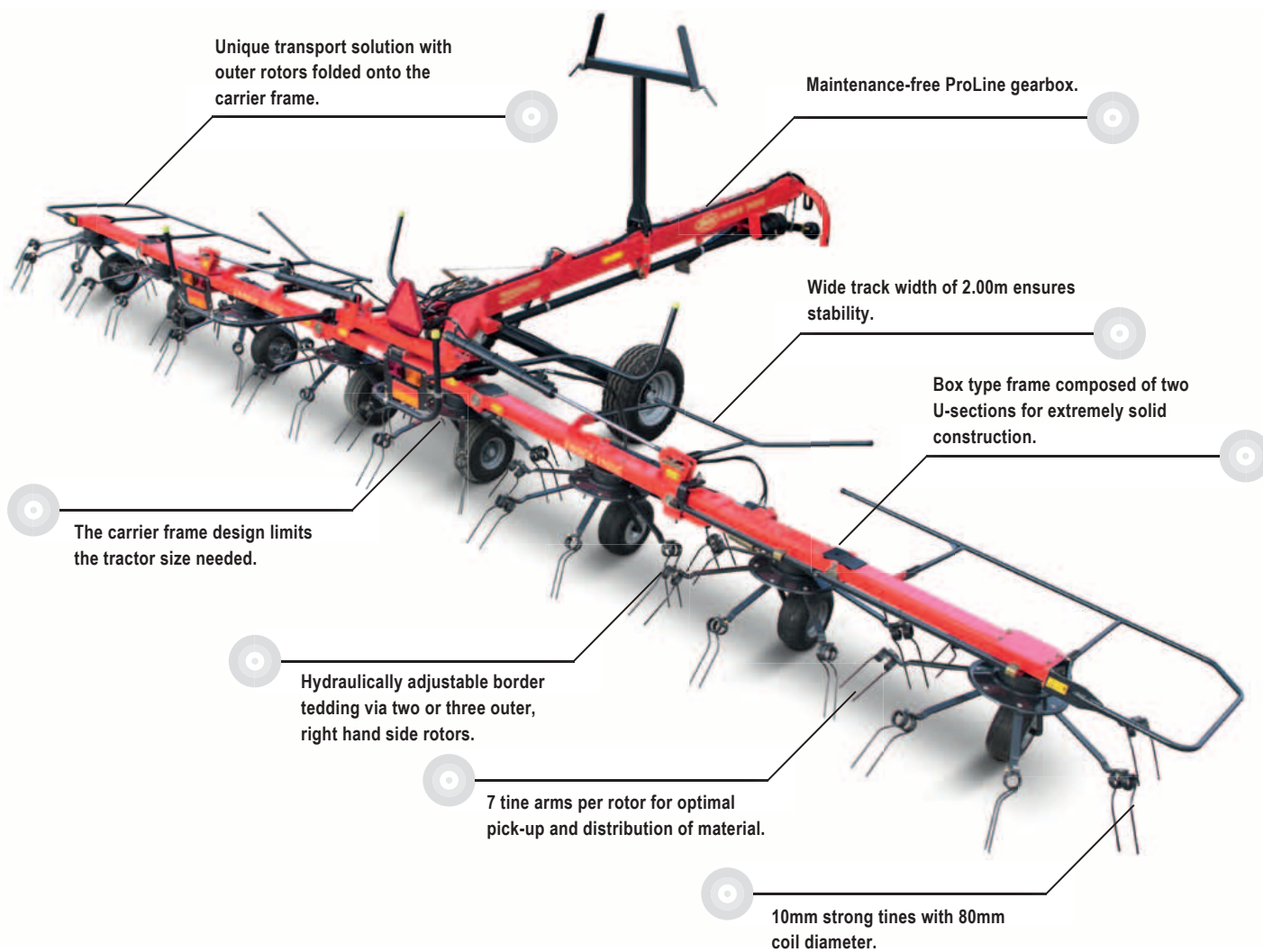
## Easy Handling

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 oil-bath for extreme durability and stability. The bearings offer a further innovation, with which the individual framework construction units are connected. The ball bearings of Fanex 1404C are life span lubricated. This absolutely maintenance free kind of storage guarantees maximum stability and life span.





For border tedding the 3 outer rotors are pivoted, to secure evenly inward spreading.



80° turning angle.



Strong and stable wheels for transport.



Fanex 1103C-1404C ProLine

# Unique Transport Solution



Fanex 1103C with 8 rotors and 11.00m working width.



Fast and efficient conversion from transport to working position.





During transport both tedders have a height of less than 3.40m and a width below 3.00m.

#### **Transport Height of Only 3.35m**

The Fanex 1404C offers 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 a transport height of 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.



Excellent adaptation to ground contours, along with exceptional manoeuvrability.



Fanex 553-683-763-763C-903-903C ProLine

## Excellent Stability - Sturdy Design



### **Designed for Long Working Days**

The range of Fanex mounted tedders are high quality machines with working-widths ranging from 5.50-9.00m. All tedders are supplied with a pivoting 3-point headstock, ensuring very stable and strong performance. The strong construction and oil-bath gearbox make these machines reliable and efficient, and suitable for long working days.

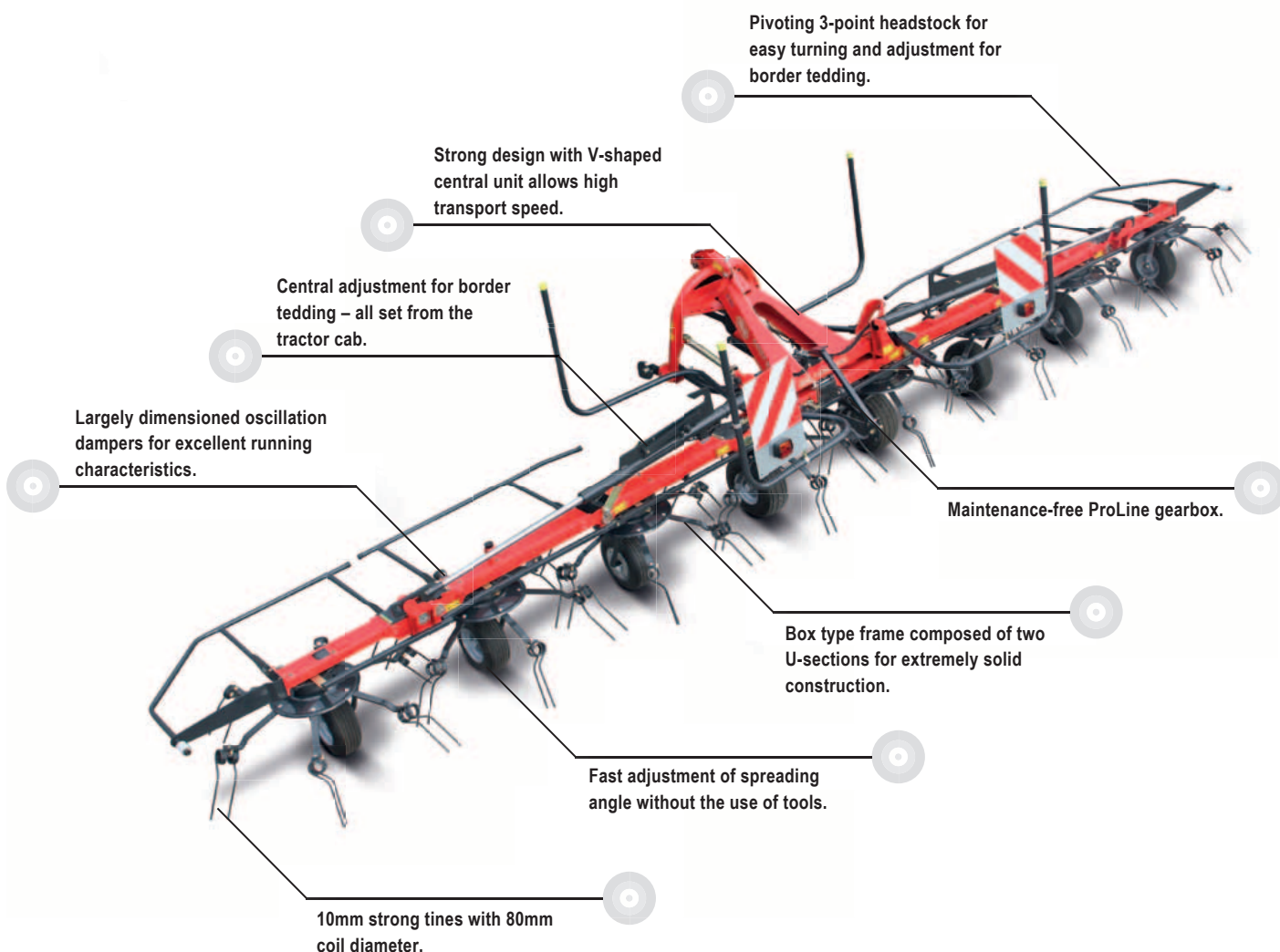
### **A High Number of Features as Standard**

The Fanex 553, 683, 763(C) and 903 (C) are supplied with many standard features. Oscillation dampers ensure excellent running characteristics together with even and smooth flotation. These models feature a very simple to use, centrally operated border tedding system, which ensures no grass is thrown into the field boundary.

### **The Central Unit**

The pivoting 3-point headstock and strong V-shaped central unit, makes the Fanex mounted tedders highly durable machines. The central unit has a particularly sophisticated design: an extra cross beam, and the exceptionally generous linkage zone of the outer rotors, permit transport speeds of up to 50km/h with no risk of damage.





The strong design of the central unit provides high stability during tending operation and allows high transport speed.



Get the most out of your crop. With border tending you keep the crop inside the field. The tedder is swung hydraulically into border position, conveniently tending the crop away from the border line.



The optional third wheel improves ground contour followings. It can be set for preferred working height without the use of tools, and efficiently prevents the tines from digging into the ground.



Fanex 553-683-763-763C-903-903C ProLine

## Maximum Efficiency



With a working width of 9.00m, the Fanex 903 offers up to 50cm extra working width compared to many competitors. 8 rotors, 48 tines and 9.00m working width combine to set a new standard in cost effective tedding.



Thanks to its well-conceived folding mechanism, storage height of Fanex 903 is as low as 3.45m. The two outer rotors fold in towards the centre of gravity for optimum balance.



The Fanex 553 is a reliable 4 rotor tedder that offers all the unique features of larger machines. With 7 tines per rotor, it offers more tines than most comparable tedders providing excellent performance at higher working speeds.



The Fanex 683, like all ProLine tedders, are fitted with oil-immersed gearboxes, for permanent lubrication and maintenance-free operation.





## Transport Running Gear

Are you the owner of a low horsepower/low liftpower tractor that you wish to use for your tedding operations? No problem. Vicon has the solution for you!

The standard specification includes a hydraulic border tedding system for your convenience. In road transport, tedder weight rests on the running gear, rather than on the tractor's rear axle. The optimised oil-immersed 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.

The running gear folds hydraulically and towards the centre of gravity for good balance. All folding is fully automatic to eliminate the risk of operator error. One double-acting spool is required to operate the tedder.

A wide track on the transport carrier ensures excellent running characteristics - even at high speed.



In working position the weight of the carrier frame rests on the centre part of the machine.



Fanex 763C with 6 rotors and 7.60m working width.



Fanex 834T-1134T ProLine

# High Performance, Low Power Requirements



## **Large Working Width, Low Power Requirement**

Fanex 834T and 1134T offer wide working widths of 8.30m and 11.00m respectively, but they are still ideal for lower horsepower tractors thanks to the trailed concept. They are fitted with the Vicon hallmark, the maintenance-free oil-immersed ProLine.

Both tedders have low lift and input requirements. Their design minimizes compaction and operating costs. Certainly a great advantage in times of escalating fuel prices.

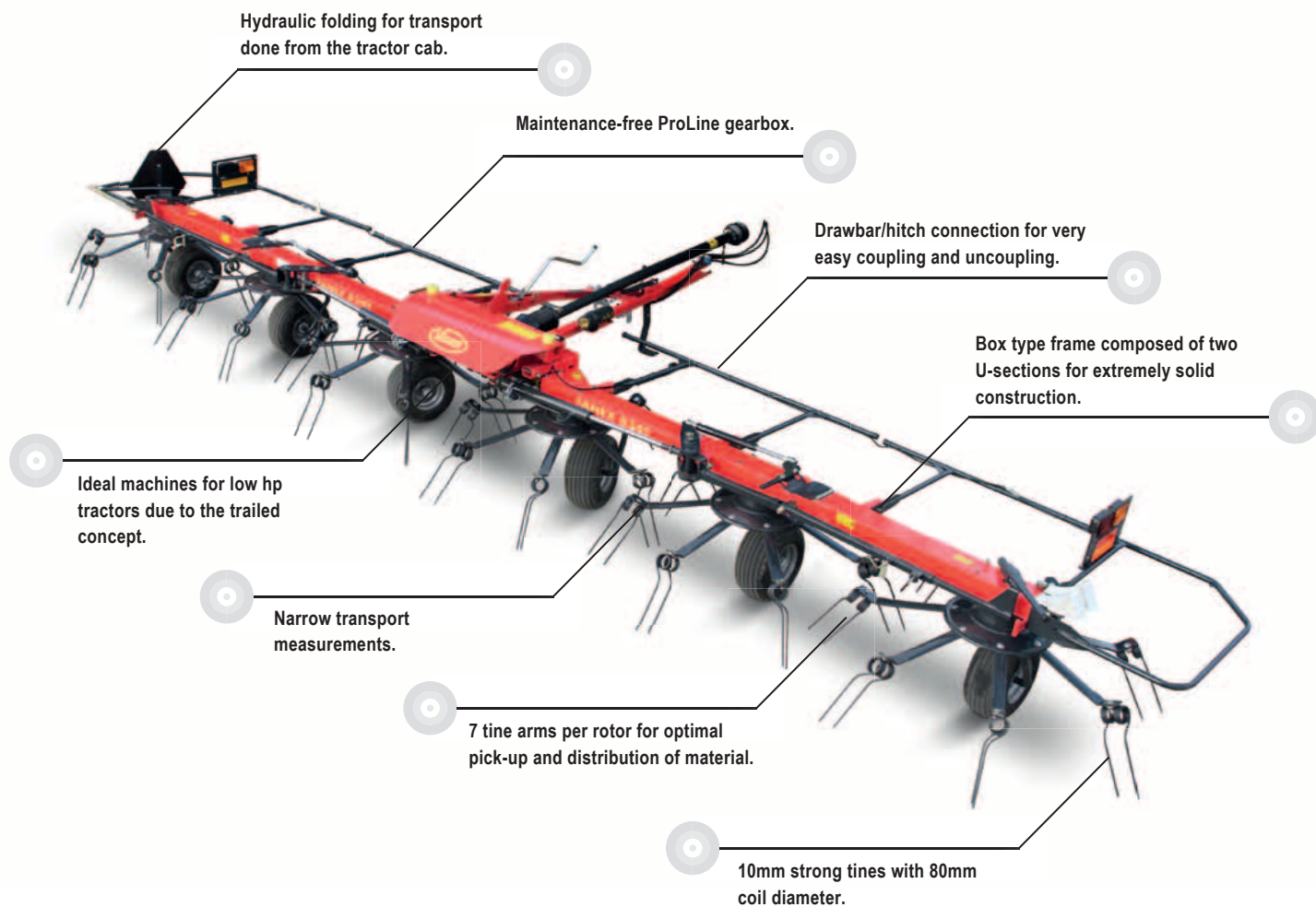
## **Maintenance Reduced to a Minimum**

The Fanex 834T and 1134T are extremely pleasant to work with. Maintenance requirements have been reduced to a

minimum with the new ball bearing, with which the individual framework construction units are connected.

The ball bearings of the hinges are life span lubricated. In combination with the maintenance-friendly gearbox, with only one grease nipple, maintenance of the entire tedder is reduced to a minimum, only requiring one seasonal greasing.





Easy setting of rotor height via handle in front of the machine.



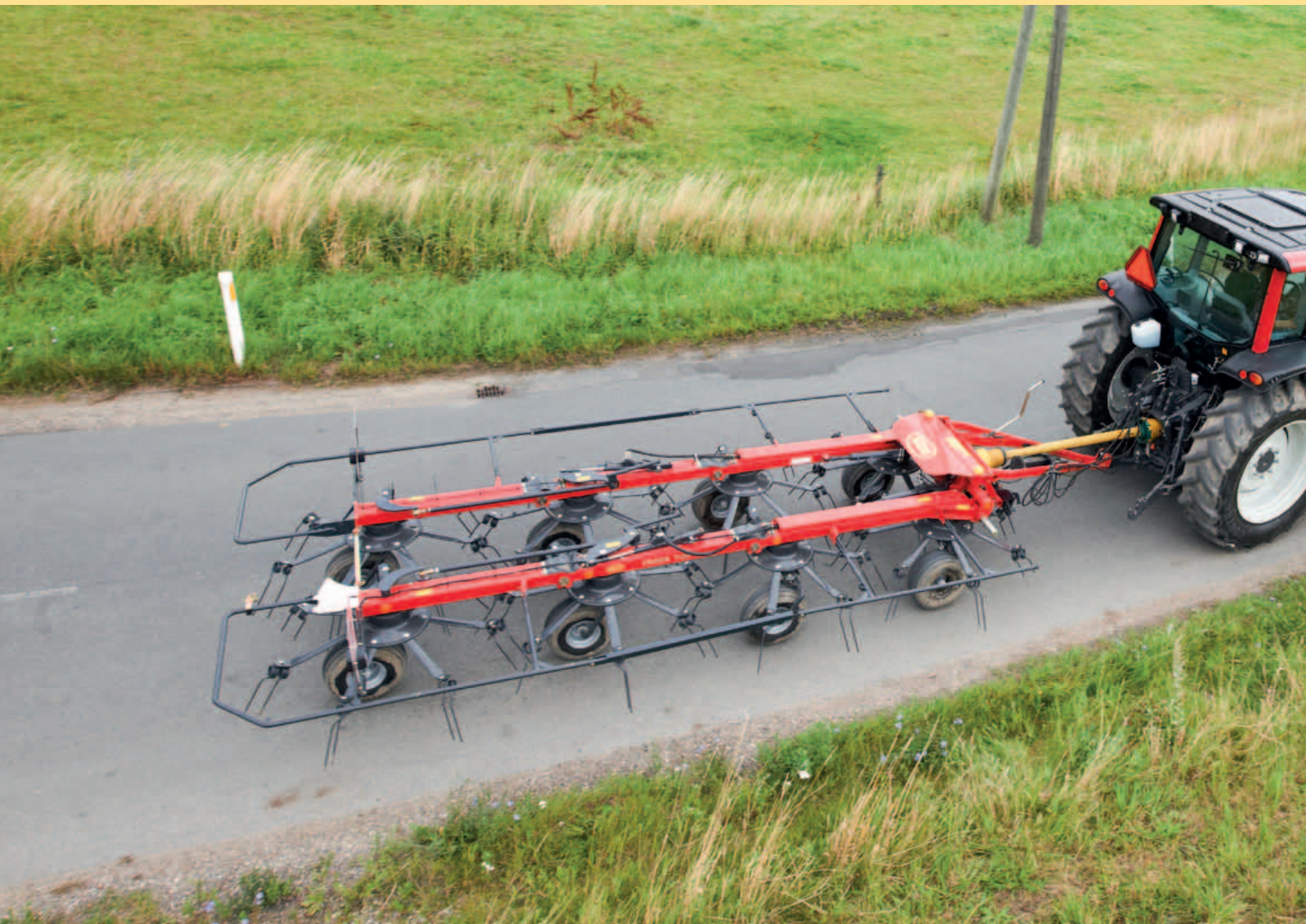
80° turning angle.



Strong and stable wheels for transport.

Fanex 834T-1134T ProLine

## Fast Transport – Low Height



### Easy Transport

Fanex 834T and 1134T are both easily converted from working into transport position. Wheels are fixed during transport, ensuring very smooth and stable running. The rotor wheels have been upgraded to 18.0" to ensure even more stability during work and operation. Both models are approved for 40km/h.

### 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 tending is hydraulic, and controlled from the tractor seat.



Pin-hitch attachment.





The tedder is easily converted from the tractor from transport to working position.



Drawbar attachment



Vicon Fanex 1143T.



Fanex 604-804 CompactLine

# The Hay Making Tedders

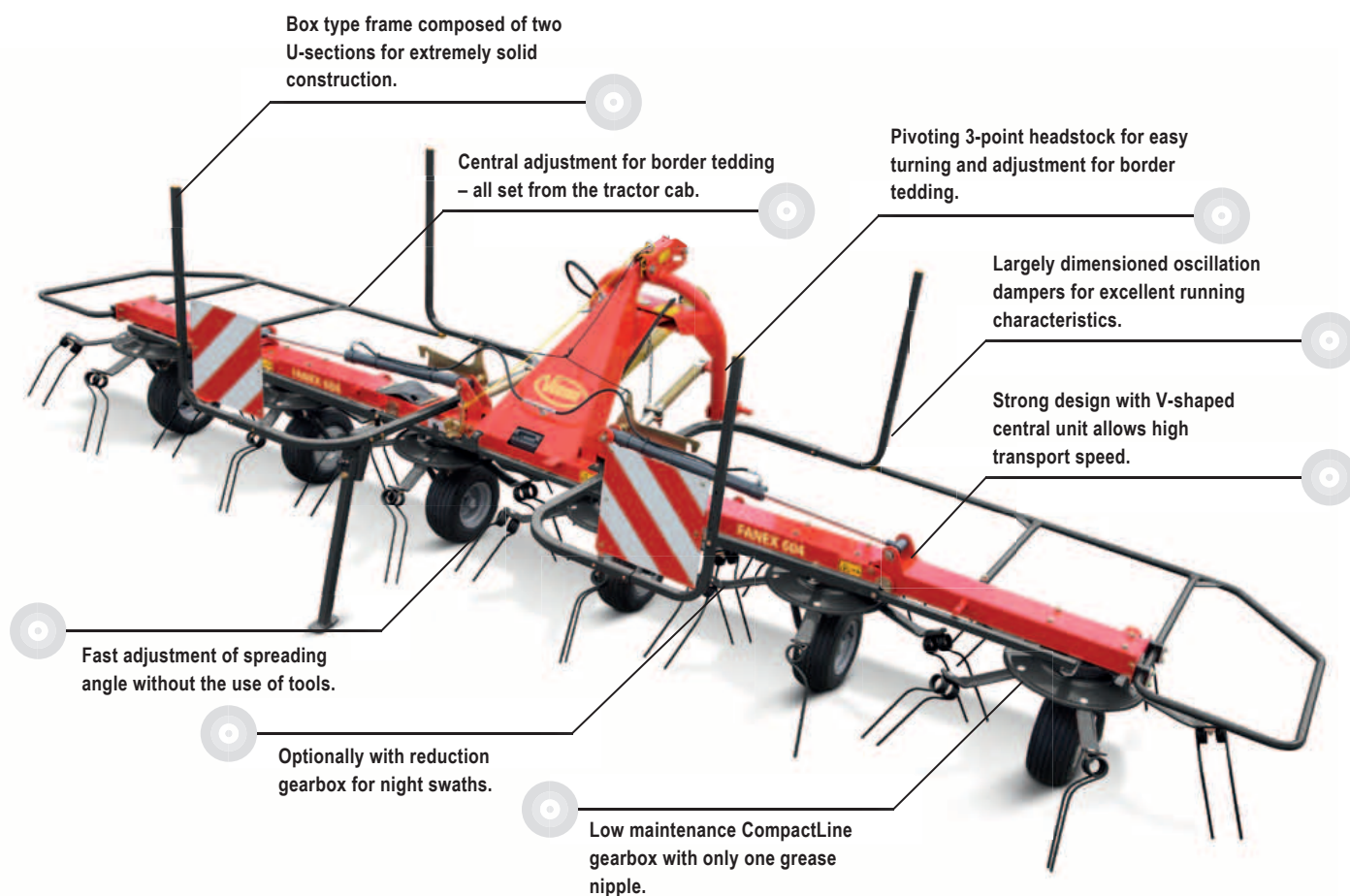


## Powerful Dimensions

Fanex 604 and Fanex 804 come with a strong package of Vicon features, such as 2 vibration dampers, strong V-shaped central unit and central adjustment for border tedding. They offer considerable working width with their combination of 6/8 rotors and 6.05m/8.00m 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.





Fanex 604 folds hydraulically from working to transport position and vice versa.



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.



## Fanex 604-804 CompactLine

# Achieve More with Fanex 804!



Fanex 804 with 8 rotors and 8.00m working width.

### **Compact Folding for Transport**

Despite its 8.00m working width the Fanex 804 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 Vicon 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 universals joint, providing sturdy and efficient transfer of power.

### **Built to Last – Minimum Maintenance**

The Fanex 804's superior durability and ease of maintenance ensure maximum machine uptime. It is designed with a strong package of Vicon features such as 2 vibrations 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.





Fanex 804 folds into a very compact position for transport.



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



Easy adjustment of spreading angle.



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



# Fanex 464-524T-524 CompactLine

## Compact – Easy to Maintain



### Low Maintenance

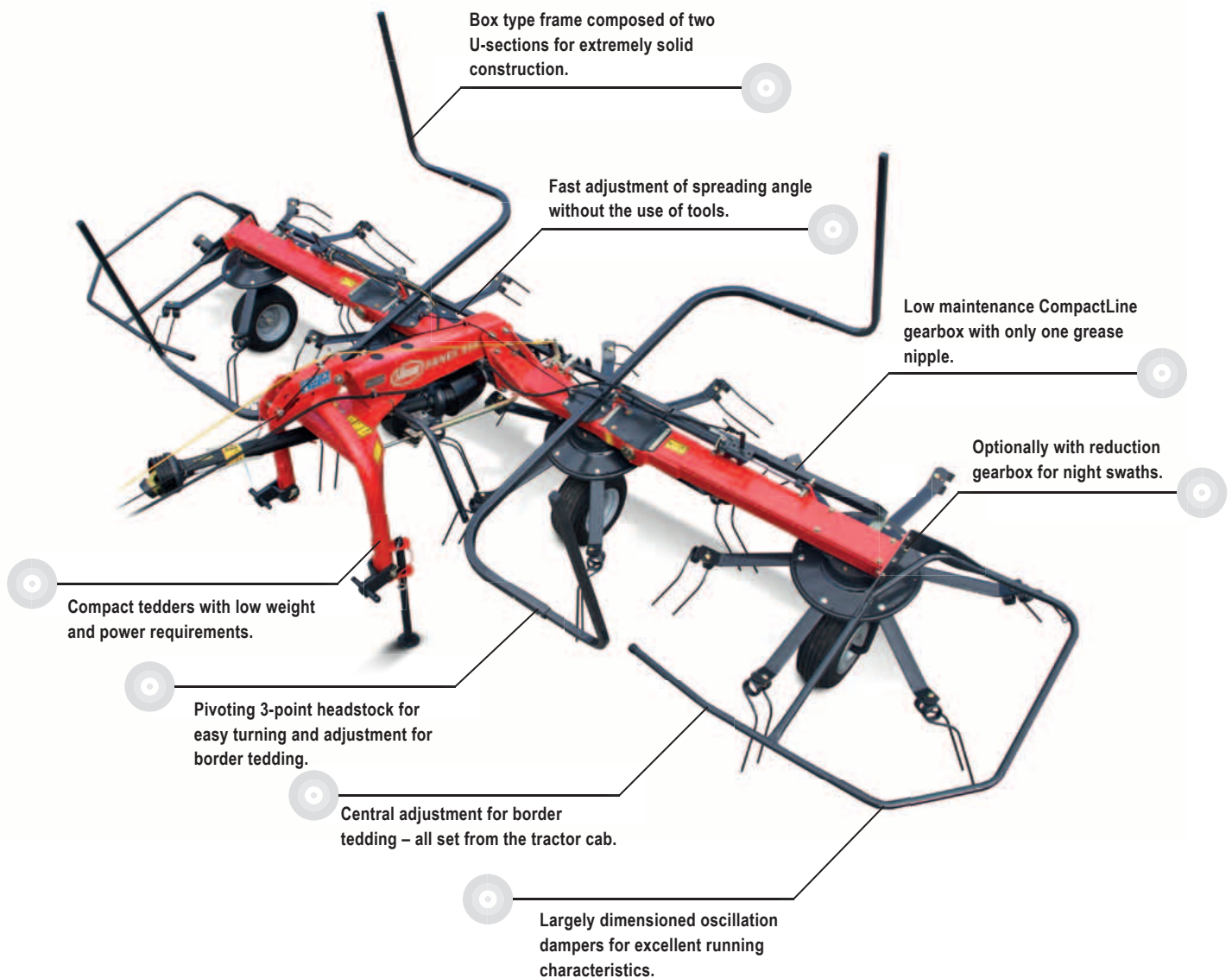
With working widths of 4.60m and 5.20m, Vicom offers the CompactLine range with low maintenance rotor gearboxes. The rotors of the Fanex 464, 524T and 524 are driven by a low maintenance gearbox with only one grease nipple. The double bearings from pinion to crown wheel guarantee maximum longevity of 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 Fanex 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.



As an option the tedders can be equipped with a third wheel to improve contour followings.



Standard vibration dampers ensure an even spreading pattern.



Fanex 464-524T-524 CompactLine

## Powerful Dimensions



Optional reduction gearbox makes night swath tedding possible.



Optional tandem axles enhance ground contour following ability and quiet running for Fanex 464 and Fanex 524.



Fanex 464 and Fanex 524 are centrally adjusted for border tedding.





Fanex 524T trailed tedder concept.



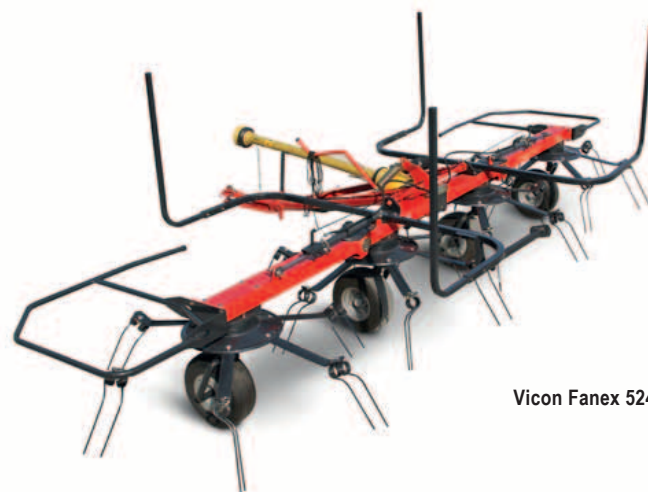
During the hydraulic folding action for transport, the tines are automatically raised.



Pull type drawbar.



Keep the crop inside the field with border tedding.



Vicon Fanex 524T.



# Technical Specifications

Fanex	464	524T	524	553	604	683	763	763C	804	834T	903
<b>Dimensions and Weights</b>											
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")	7.60(24'11")	8.05(26'4")	8.30(27'3")	9.00(29'6")
Width, working position (m/feet)	4.90(16'1")	5.40(17'9")	5.40(17'9")	5.80(19')	6.30(20'8")	7.15(23'5")	7.90(25'9")	7.90(25'9")	8.35(27'4")	8.65(28'4")	9.35(30'7")
Transport width (m/feet)	2.85(9'4")	2.90(9'6")	2.90(9'6")	2.98(9'9")	2.75(9')	2.98(9'9")	2.98(9'9")	2.98(9'9")	2.90(9'2")	2.90(9'9")	2.98(9'9")
Transport length (m/feet)	2.15(7'1")	2.60(8'6")	2.10(6'11")	2.30(7'7")	1.85(6'1")	2.20(7'3")	2.40(7'10")	3.80(12'6")	1.90(6'23")	5.60(18'4")	3.80(12'6")
Storage height (m/feet)	2.45(8')	2.65(8'8")	2.65(8'8")	2.80(9'2")	3.10(10'2")	3.60(11'9")	3.85(12'8")	3.85(12'8")	3.15(10'33")	1.25(4'1")	3.45(11'4")
Weight approx. (kg/lbs)	500(1102)	410(904)	530(1170)	640(1411)	670(1477)	855(1885)	890(1962)	1200(2645)	960(2116)	900(1984)	1100(2425)
Capacity theor. (ha/h)	3.7	4.2	4.2	4.4	4.8	5.4	6.1	6.1	6.4	6.6	7.2
<b>Attachment</b>											
Three-point, tracking	Cat. I+II	-	Cat. I+II	Cat. I+II	Cat. I+II	Cat. II	Cat. II	-	Cat. II	-	Cat. II
Linkage drawbar	-	•	-	-	-	-	-	-	-	•	-
Two-point, linkage arms	-	-	-	-	-	-	-	Cat. II	-	-	-
Oscillation damper/integral lock	•	-	•	•	•	•	•	•	•	-	•
<b>Rotors/Tines/Guard</b>											
No. of rotors	5	4	4	4	6	6	6	6	8	6	8
No. of tine arms / rotor	6	6	6	7	5	6	7	7	5	7	6
Tine adjustment system	•	•	•	•	•	•	•	•	•	•	•
Adjustment of spreading angle	•	-	•	•	•	•	•	•	•	•	•
Cab contr. border clearing system											
Mechanical	•	-	•	•	•	•	•	-	•	-	•
Hydraulic	○	-	○	○	○	○	○	•	○	○	○
Single wheel adjustment											
system for border clearing	-	-	-	-	-	-	-	-	-	•	-
Reduc. gearbox for night swaths	○	○	○	○	○	○	○	○	○	○	○
<b>Tyres/Axles/Lights</b>											
Wheels	16x6.5-8	16x6.5-8	16x6.5-8	16x6.5-8	16x6.5-8	16x6.5-8	16x6.5-8	16x6.5-8	16x6.5-8	18x8.5-8	16x6.5-8
Tyres on central unit	-	-	-	-	-	-	-	18.5x8.5-8	-	-	18.5x8.5-8
Front wheel (16x6.50-8)	○	-	○	○	○	○	○	•	○	-	○
Tandem axles	○	○	○	○	-	○	○	-	○	-	-
Warning panels	○	○	○	○	○	○	○	-	○	-	-
- with integr. lighting	○	○	○	○	○	○	○	•	○	•	•
*(DIN 11220)											

• = Standard   ○ = Optional   - = Not available





























































# The Right Tedder for Every Cutting Width

903C	1134T	1103C	1404C
9.00(29'6")	11.00(36'1")	11.00(36'1")	13.30(43'8")
9.35(30'7")	11.30(37'2")	11.30(37'2")	13.65(44'9")
2.98(9'9")	2.98(9'9")	2.98(9'9")	2.98(9'9")
3.80(12'6")	7.25(23'9")	5.90(19'4")	6.20(20'4")
3.45(11'4")	1.25(4'1")	3.35(11')	3.35(11')
1400(3087)	1215(2679)	1620(3571)	2300(5071)
7.2	8.8	8.8	11.2

-	-	-	-
-	•	-	-
Cat. II	-	Cat. II	Cat. II
-	-	-	-
8	8	8	10
6	7	7	7
•	•	•	•
•	•	•	•
-	-	-	-
•	-	•	•
-	•	-	-
0	0	0	0

16x6.5-8	18x8.5-8	16x6.5-8	16x6.5-8
18.5x8.5-8	-	18.5x8.5-8	18.5x8.5-8
•	-	-	-
-	-	-	-
-	-	-	-
•	•	•	•

	1.60 / 1.80 m	2.00 / 2.10 m	2.40 m	2.80 m	3.00 m	3.20 / 3.30 m	4.00 m
Fanex 464							
Fanex 524T Fanex 524							
Fanex 553							
Fanex 604							
Fanex 683							
Fanex 763							
Fanex 834T							
Fanex 903 Fanex 903C							
Fanex 1103C Fanex 1134T							
Fanex 1404C							

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## 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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**Kverneland Group UK Ltd.**  
Walkers Lane, Lea Green, St. Helens  
Merseyside, WA9 4AF  
Phone + 44 1744 8532 00

**Kverneland Group Ireland Ltd.**  
Hebron Industrial Estate  
Kilkenny, Ireland  
Phone + 353 56 51597

[www.vicon.eu](http://www.vicon.eu)

