



# FINGER WHEEL RAKES V SERIES



**RAPTOR PRO  
DOMINATOR PRO  
MILLENNIUM PRO**



# 6 good reasons

## to buy a Tonutti rake



### Low maintenance costs

- simple construction
- no drive shaft
- no mechanical transmission



### High working capacity

- higher working speed compared to rakes that are PTO driven
- the working speed does not depend on the drive shaft rotating speed.



### Clean windrows

- reduced soil contamination
- adjustable pressure on the ground
- each finger wheel works independently and adapts perfectly to the contours of the ground.



### Low power requirement

- low power tractors can easily handle finger rakes of considerable size.



### Low fuel consumption

- reduction in fuel consumption per hectare thanks to the use of low power tractors
- reducing fuel consumption increases the productive capacity
- considerable reduction in air pollution.



### Excellent forage swathing

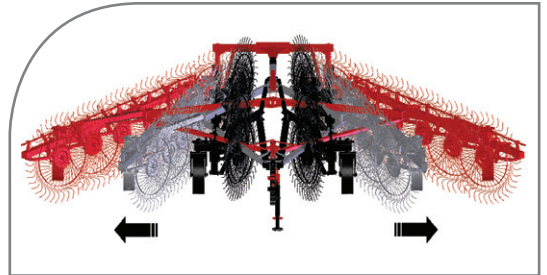
- the Tonutti finger wheel rakes works delicately without destroying the leaves that contain most of the nutritional value of forage.

# The details

that make the difference

## Variable working width

The working width can be adjusted from the driver's cab. This unique feature allows to adjust the volume of the windrow in accordance to the pick-up machinery performance



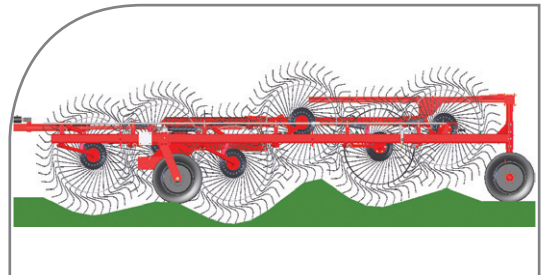
## Pressure of the finger wheels on the ground

Quick and easy adjustment thanks to a simple crank for perfect windrow no matter what the conditions are.



## Excellent adaptation to the ground

Perfect raking on any terrain is guaranteed thanks to the Independent finger wheels as well as the support of 4, 7 or 9 tyres, depending on the model.



## "Panthograph" rake opening system

One of a kind that shortens the central drawbar up to 0.65 m (Raptor) and 1.60 (Dominator-Millennium) at the same time providing improved manoeuvrability and operating comfort.



## Windrow width adjustment

Quick and easy independent windrow width adjustment, thanks to a simple crank that varies the working angle of the last 2 finger wheels.



## Central finger wheel kit

This kit allows the central windrow to be opened, before a new windrow is formed, for a better aeration. Now available in the hydraulic version as well (optional accessory recommended for forage).



# Raptor Pro

V10 V12 V14



## Simple and easy to use

All expectations are met with the Raptor rakes:

- large working width from 3.50 m up to 5.85 (Raptor V10) 6.70 (Raptor V12) and 7.60 (Raptor V14 )
- low power requirement (less than 80 HP)
- accurate windrows
- perfect raking at a high speed.

## New Generation Pro

The new generation Pro series has been designed for maximum resistance and durability. Many details provide greater structural capacity starting from the drawbar up to the rear axle. The ground clearance has been increased to allow optimum product flow.

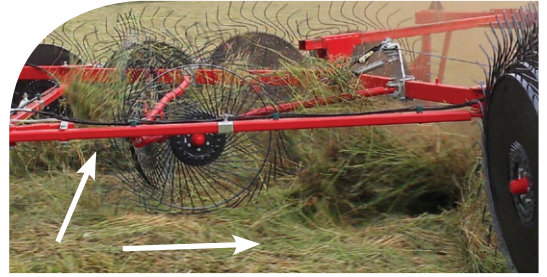
## New AS version

The new AS version (SELF-STEERING) differs from the standard version for its excellent manoeuvrability behind the tractor thanks to the new self-directional rear axle that allows the rake to follow the tractor perfectly, easing tight manoeuvres at the end of a field, in bends and facilitating access to plots with narrow entrances. The AS version further improves the performance of the rake on sloping terrains.



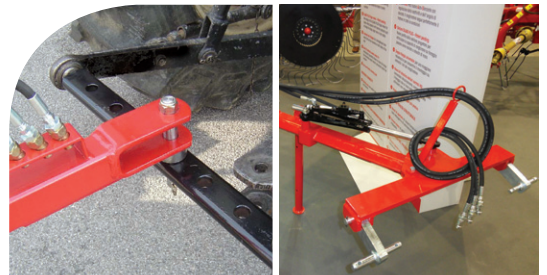
### Center Wheel Kit K2H - New hydraulic device (optional)

A unique system in the rake field with central windrow. The kit makes it possible to move the hay under the windrow that would otherwise not be touched. The device is hydraulically operated together with and the side wheels lift. The kit can be disengaged whenever not required.



### Steering bar with 90° angle

Standard version (A): the original machine with straight drawbar can be fitted with a steering bar so as to allow manoeuvres with a tight turning radius. No modifications are needed to the hydraulic system.  
AS versions (B): The machine includes a hydraulic system for automatic handling of the steering system. The drawbar has category I and II oscillating hitches that allow a perfect performance on slopes.

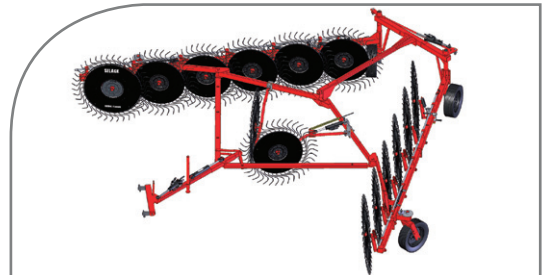


A

B

### Self-steering device on AS versions

Hydraulically driven with closed circuit, the rake follows the tractor perfectly no matter what the conditions are, giving excellent manoeuvrability and good stability on slopes.



### Quick and easy adjustments

The windrow width can be adjusted independently of the working width, from 0.80 up to 1.20 m using a simple crank that varies the working angle of the last 2 finger wheels. The result is a windrow that adapts to the width of any pick-up machinery. The working width is hydraulically adjusted from the cab to adapt the raking depending on the needed windrow size.

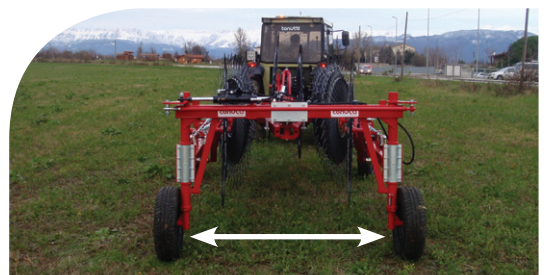
The adjustment also allows overlapping of the finger wheels to be increased so as to avoid missing out on particularly short forage.

The pressure of the finger wheels is adjusted by means of a suitable crank, which varies the pressure of the fingers on the terrain in relation to the conditions of the terrain and the forage to be collected (e.g.: silage = More pressure, hay = less pressure).



### Transport

Thanks to the hydraulic opening/closing system, it is quick and easy to pass from working to transport position. The overall dimensions of only 2.50 m in transport width and reduced height make the RAPTOR PRO series safe and easy to transfer on roads as well as through tree-lined roads.



# Dominator Pro

V12 V14

## The Professional solution

Dominator V12 and V14 Pro with central windrow combine working comfort and top performance with working widths from 4 m up to 7.50 and 8.50 m. Fielding is quick and easy; adjustment 1 of the working width is hydraulically operated and is performed from the driver's cab. There are many farmers and contractors who have chosen the Dominator Pro for its ease of use, low maintenance and high performance for all types of forage including heavy forage (silage) with the result of obtaining a homogeneous and clean windrow without loss of leaves and integral as far as its nutritional values are concerned. The Dominator Pro Series is designed for heavy use. The new sturdy V-frame ensures high working speeds (over 15 km / h) and large collection performance (12 ha / hour).

## Perfect adaptation to the ground

The target of all operators is to achieve maximum efficiency by improving the daily yield without compromising a quality product. The Dominator Pro Series with its 4 large rubber wheels, central frame with telescopic structure, fully articulated side frames and independent finger wheels guarantee a perfect adaptation to any type of terrain and a clean forage. When there is particularly difficult terrain 2 additional supporting wheels can be applied to the front frame of the rake to further improve adaptation to the ground (optional).



## Telescopic system

Tonutti has introduced the telescopic system technology with the Dominator PRO series. The pantograph system that connects the side frames to the central drawbar makes possible to shorten up the drawbar to 1,70 m when being opened. The system improves the machine's manoeuvrability.



## Self-steering system

The new self-steering system allows the steering incidence to be varied and thereby guarantee excellent manoeuvrability under any working or transport condition.



## Spare tyre kit (optional)

All Tonutti V-rakes have an optional spare tyre kit so that the tyre can be changed quickly. Only a small investment to save time.



## Quick and easy adjustments

The windrow width can be adjusted independently of the working width, from 1.10 up to 1.80 m using a simple crank that varies the working angle of the last 2 finger wheels. The result is a windrow that adapts to the width of any pick-up machinery. The working width is hydraulically adjusted from the cab to adapt the raking depending on the needed windrow.

The adjustment also allows overlapping of the finger wheels to be increased so as to avoid missing out on particularly short forage.

The pressure of the finger wheels is adjusted by means of a crank, which varies the pressure of the fingers on the terrain in relation to the conditions of the terrain and the forage to be collected (e.g.: silage = More pressure, hay = less pressure).



## Transport

Despite the considerable working width, the Dominator PRO series can be compacted for transporting so that it has an overall dimension of only 2.50 m, thereby guaranteeing safe and easy transfer on roads as well as through tree-lined roads.



# Millennium Pro

V16 V18 V20



## Top of the range

Thanks to the construction principle, the Millennium series has definitely solved the problem of “large widths.” The Millennium Pro Series rakes combine comfort and high performance level, thanks to a working width of 9.60 m (V16) up to 11.70 m (V20) in a single run. Efficiency and raking quality combined with high working speeds (over 20 km / h) will increase your productivity.

## The new challenge: more work and less expense

This is the ideal machine for any operator who always want to get the best production output, but paying attention to optimize on machinery and working time. The Millennium Pro has been tested by our customers and business partners, who have certified the reliability and quality in all working conditions and on different types of product: hay, heavy forage and straw so you can be sure to make the right investment.





### **Large wheel diameter (a perfect follow of the ground contours)**

- 6 or 8 wheels for the Millennium Pro V16 model;
- 9 wheels for the V18 and V20 models.



### **Flexible and independent frame (V18-V20):**

The side frames in the V18 and V20 versions are centrally articulated to guarantee perfect adaptation of the finger wheels to irregular or sloping terrain.



### **“Pantograph”**

The frame of the Millennium Pro, like Dominator Pro, has a telescopic system. The system connects the side frames to the central drawbar allowing to considerably shorten the drawbar when being opened improving the machine’s manoeuvrability.



### **Self-steering system and large twin wheels AS version**

The new self-steering system allows the steering incidence to be varied and thereby guarantee excellent manoeuvrability under any working or transport condition. The twin rear wheels reduce the ground pressure and allow continuously even with a flat wheel.



## HEAVY CROP finger wheel

A new profile of the finger wheel, designed to optimize the raking capacity of heavy forage such as silage or corn stalks; double universal flange to increase the sturdiness and to allow mounting on both sides of the rake (optional).



## Transport

Despite the considerable working width, the rake width in transport position is only 3 m, granting a safe and easy transfer from one plot to another as well as on roads.



## Spare tyre kit (optional)

All Tonutti V-rakes have an optional spare tyre kit so that the tyre can be changed quickly. Only a small investment to save time.





### Dominator and Millennium Pro

Professional machinery with central windrow and self-steering device

- 3 models in the Millennium Pro series covering a working width from 9.60 m to 11.70 m
- 2 models in the Dominator Pro series covering a working width of 7.50 and 8.50.



### T Series

Multi-functional in-line machinery with side windrow

- 2 models in the T-3GW series covering a working width of 4.10 m and 6.05 m
- 2 models in the T-4GW series covering a working width of 7.50 m and 8.50 m.



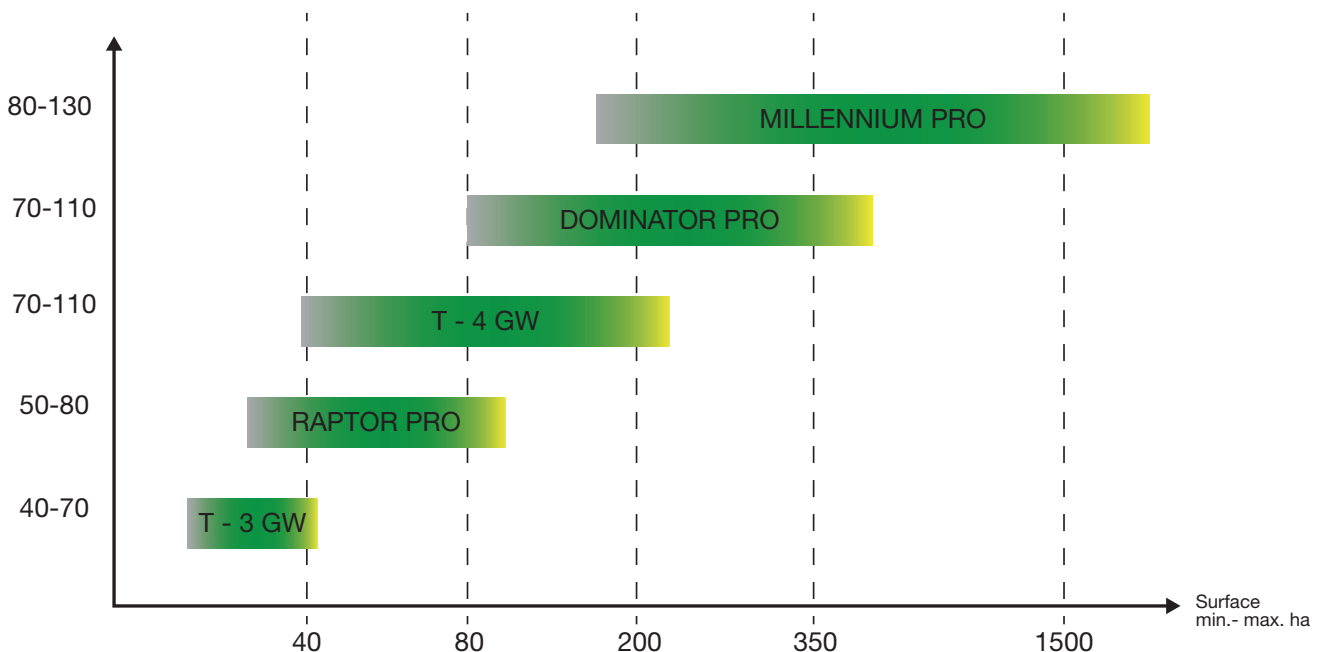
### RAPTOR Pro Series

Low cost machines with central windrow

- 2 models in the V 10 Pro series with 2 and 4 rubber tyres, respectively, covering a working width of 5.85 m
- 1 model in the V 12 Pro series with 4 rubber tyres and a working width of 6.73 m
- 1 model in the V 14 Pro series with 4 rubber tyres and a working width of 7.62 m.

### Position of the ranges

Min-max tractor hp



<b>RAPTOR</b>	V10-2GW	V10-Pro	V12-Pro	V14-Pro
Total number of finger wheels	10		12	14
Finger wheel diameter cm (inches)	140 (55)			
Finger diameter mm	7			
Recommended power from HP (kW)	20 (15)	30 (22)		
Working width m (feet)	5,85 (19'6")		6,73 (22'5")	7,62 (25'5")
Windrow width cm (feet)	120-180 (4'-6')			
Transport width m (feet)	2,5 (8)			
Basic machine weight kg(lbs)	970 (2140)	1045 (2300)	1130 (2500)	1200 (2645)
AS version machine weight * kg/lbs	na	1100 (2440)	1195 (2635)	1300 (2870)
Standard tyres	n.2 185/65-14		n.4 185/65-14	
Hydraulic system required	1 SE + 1 DE			

AS \*: version with self-steering device

Optional

Center wheels kit	na	•	•	•
Wind shield	•	•	•	•
Light kit	•	•	•	•
Tandem wheel kit	•	na	na	na
Spare tyre kit	•	•	•	•
Ballast kit	•	•	•	•

na: not available

<b>DOMINATOR MILLENIUM</b>	Dominator		Millennium		
	V12-Pro	V14-Pro	V16 – Pro	V18 – Pro	V20 – Pro
Total number of finger wheels	12	14	16	18	20
Finger wheel diameter cm (inches)	140 (55)		140 (55)		
Finger diameter mm	7		6	9	
Recommended power from HP (kW)	30 (22)		40 (29,8)	60 (44)	
Working width m (feet)	7,50 (25')	8,50 (28'4")	9,6 (32')	10,6 (35'4")	11,7 (39')
Windrow width cm (feet)	90-180 (3'-6')		90-180 (3'-6')		
Transport width m (feet)	2,5 (8')		3 (10')		
Standard machine weight kg(lbs)	1970 (4340)	2085 (4595)	2480 (5470)	2920 (6440)	3035 (6700)
Standard tyres	n°4 205/65-15		n°4 205/65-15	n°7 205/65-15	
Hydraulic system requested	1 SE + 1 DE		1 SE + 1 DE		

AS \*: version with self-steering device

Optional

Center wheels kit	•	•	•	•	•
Wind shield	•	•	•	•	•
5th - 6th wheel kit	•	•	•	na	na
Spare tyre kit	•	•	•	•	•

na: not available

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Patent pending

