

AGRICULTURAL MACHINERY

sitrex®



MAGNUM

Evolution





The standard version has rake wheels with a diameter of 55" (1.4m) and tines with a diameter of 0.28" (7mm). As an alternative, and with no changes to the machine structure needed, it is possible to mount optional rake wheels with a diameter of 60" (1.52m) and tines with a diameter of 0.3" (7.5 mm). Each wheel, regardless of the diameter, is equipped with 40 tines made of top-quality spring steel. The hay rakes of the Magnum Evolution line are designed in such a way that adjustments are simple to accomplish. A lever acting on a sprocket equipped with a locking mechanism enables the width of the swathe to be adjusted easily and rapidly from about 3' (0.91 m) to 6' (1.8 m). Alternatively, this function can be performed by an optional hydraulic device enabling the adjustment of the swathe directly from the tractor. Each rake wheel has its own spring and adjustment chain enabling the correct pressure on the ground to be obtained regardless of the crop and of the type of ground.



Hydraulic rear-opening kit

This kit enables the length of the swathe to be adjusted from about 3' (0.91 m) to about 6' (1.8 m) directly from the tractor. This is especially useful both for adapting work rapidly to the different quantities of forage present in the field and to adapt to the different working widths of the baling machines. It is easy to install even on machines with mechanical levers since it uses the same coupling points.



In order to adapt to extreme field conditions, hay rakes must be solid and sturdy. This is why the drawbar and the rake wings have been made using a large lattice framework of structural tubing to make them tough and fully reliable over time, however hard they are made to work. Despite their size, these machines are easy to handle and transport and very user-friendly.

Furthermore, the 10-wheel machine can be transformed into a 12-wheel machine with the appropriate extension kit. Similarly, the 14-wheel machine can be extended into a 16-wheel machine with the appropriate extension kit.

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OPTIONAL ACCESSORY KITS

A series of optional kits can be mounted on this type of hay rake. These include a central kicker wheel kit, a rear hydraulic opening kit, a rear tandem wheel kit, a kit to open on one side only, a wind shield kit, a light kit, etc.



Single side opening kit

A valve, simple to fit and to handle, can be set so as to choose only one of the wings of the hay rake, the one on the right or on the left, as required, without having to install or remove any parts on the machine. The kit is extremely simple to use, and enables easy overturning of damp swathes or those that have not dried out completely, so as to speed up the drying process.



Wind shielding kits

These plastic flanges applied to the rake wheels allow the hay to slide more smoothly better, so as to create properly shaped swathes.



Rear tandem wheel kit

This kit enables the machine to pass safely over rough terrain. A strong oscillating support adapts perfectly to the various different conditions of the terrain. There are two wheels on each side, at a suitable distance from one another, so that one of the pair is always resting on the highest part of the ground, even when there are furrows or holes, allowing the machine to move smoothly.



The central kicker wheel kit

This kit consists of two rake wheels placed along the drawbar, activated by a hydraulic cylinder connected to the cylinders which raise the two lateral rake wheels. Both wheels are attached to a rotating support which places them exactly beneath the tiller, so that the hay is turned even where the side wheels are unable to reach.

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SPECIFICATIONS	MKE 10	MKE 12	MKE 14	MKE 16
Number of Finger Wheels	10	12	14	16
Finger Wheel Diameter	55" (1,4m)	55" (1,4m)	55" (1,4m)	55" (1,4m)
Teeth per Wheel	40	40	40	40
Finger Wheel Tine Diameter	0,28" (7 mm)	0,28" (7 mm)	0,28" (7 mm)	0,28" (7 mm)
Finger Wheel Diameter (Optional)	60" (1,52 m)	60" (1,52 m)	60" (1,52 m)	60" (1,52 m)
Teeth per Wheel	40	40	40	40
Finger Wheel Tine Diameter	0,3" (7,5 mm)	0,3" (7,5 mm)	0,3" (7,5 mm)	0,3" (7,5 mm)
Finger Wheel Hub Bearing Type	Tapered roller-greaseable	Tapered roller-greaseable	Tapered roller-greaseable	Tapered roller-greaseable
Finger Wheel Spacing (center to center)	30,8" (780 mm)	30,8" (780 mm)	30,8" (780 mm)	30,8" (780 mm)
Operating Weight lbs-kg (with wheels 55")	3520 Lbs-1600 kg	3700 Lbs-1680 kg	4955 Lbs-2250 kg	5175 Lbs-2350 kg
Operating Weight lbs-kg (with wheels 60")	3625 Lbs-1645 Kg	3820 Lbs-1735 Kg	5090 Lbs-2310 Kg	5330 Lbs-2420 Kg
Transport Wheel size	205/75-15"	205/75-15"	205/75-15"	205/75-15"
Minimum Tractor Horsepower Required*	22 KW - 30 KP	22 KW - 30 KP	30 KW - 40 KP	30 KW - 40 KP
Safety Tow Chain	std	std	std	std
Overall Length-Transport	24,8' - 7,58 m	24,8' - 7,58 m	32,8' - 9,96 m	32,8' - 9,96 m
Transport Height (with wheels 60")	6,39' - 1,95 m	6,39' - 1,95 m	6,39' - 1,95 m	6,39' - 1,95 m
Overall Transport Width	8,36' - 2,55 m	8,36' - 2,55 m	8,36' - 2,55 m	8,36' - 2,55 m
Maximum Working Width	21,3' - 6,5 m	25' - 7,6 m	28,5' - 8,7 m	31' - 9,4 m
Minimum Windrow Width	3' - 0,9 m	3' - 0,9 m	3' - 0,9 m	3' - 0,9 m
Maximum Windrow Width	6' - 1,8 m	6' - 1,8 m	6' - 1,8 m	6' - 1,8 m

* Depending on crop conditions, the field conditions and weight of the tractor

The data are meant as a rough guide. Sitrex reserves the right to amend them at any time without prior warning.