

Wheel Rakes



SPEEDRAKE®

SR 50 / SR 100 GII / SR 300 / SR 600 GII / SR 800

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Invest in Quality®

SPEEDRAKE® WHEEL RAKES SR 50 / SR 100 GII / SR 300 / SR 600 GII / SR 800

VERSATILE, DURABLE AND EFFICIENT

A RAKE FOR EVERY OPERATION

From small farms to large custom operators, there is a KUHN wheel rake to fit every operation. These wheel rakes offer standard v-type raking and single-side raking to best fit your specific crop and field conditions. KUHN rakes are an efficient, economical solution for your raking needs.

RUGGED DURABILITY

A clean, simple design, high-strength materials and high-quality components make KUHN wheel rakes the most dependable, longest-lasting wheel rakes on the market.

EASY TO USE

The uncomplicated design and quick, easy adjustments keep you in the field raking. Consistent raking and neat, clean windrows form the ideal combination of efficiency and quality raking performance.

SPEEDRAKE® Wheel Rakes in brief

Models	Maximum Working Width	Min - Max Range	Horsepower Requirement
SR 50 8-Wheel	18'	3'7" - 8'11"	20 hp
SR 50 10-Wheel	21'4"	3'7" - 7'	20 hp
SR 108 GII	18'10"	3' - 7'	20 hp
SR 110 GII	21'2"	3' - 7'	20 hp
SR 112 GII	23'4"	3' - 7'	30 hp
SR 310	20'10"	3' - 6'	20 hp
SR 312	24'2"	3' - 6'	30 hp
SR 314	28'	3' - 6'	35 hp
SR 612 GII	25'	3' - 6'	30 hp
SR 614 GII	28'	3' - 6'	35 hp
SR 616 GII	31'	3' - 6'	40 hp
SR 800 17-Wheel	27'	4' - 6'	80 hp
SR 800 19-Wheel	29'6"	4' - 6'	80 hp



FAST AND EFFECTIVE HAY RAKING



STRAIGHTFORWARD, EASY OPERATION

The ground-driven design means no matching PTO speed to ground speed. These machines quickly and easily transition between transport and working positions. They also have simple adjustments to best fit crop and field conditions.

COMPLETE WINDROW WIDTH CONTROL

All larger SR models offer the ability to adjust the windrow width independent of the raking width. This provides the ultimate control in adjusting the raking width and angle for different crop and field conditions while tailoring the windrow width to match your harvesting needs.

HIGH-CAPACITY RAKING

Raised frames, high-clearance rake arms and progressive suspension provide unmatched capacity. This results in uniform crop flow which is essential for clean raking and neatly-formed windrows.

CLEAN RAKING

All models offer the ability to optimize rake wheel suspension to best match your specific crop and field conditions. Rake wheels adapt to changing speed and terrain for cleaner, more consistent raking. This helps to minimize soil disturbance and maximize high-quality hay production.

LOW HORSEPOWER REQUIREMENT

KUHN wheel rakes feature a simple, ground-driven design making operation simple. As a result, they can be operated with smaller, lower horsepower tractors.

TAILOR TO YOUR OPERATION

With thirteen models to choose from and a variety of available options, there is a wheel rake to meet the diverse needs of your operation.



QUALITY AND SIMPLICITY

Peace of Mind

KUHN is the innovator and leader in the carted wheel rake market because we focus on our customers.

Designed to be the Best on the Market

The SR 50 Series boasts exceptional quality and simplicity for smaller acreage producers not requiring the deluxe features of the SR 100 GII. A standard 8-wheel configuration and an optional extension to make a 10-wheel model gives flexibility for following different width mowers with working widths ranging from 15'11" – 21'4".



OFFSET RAKE BEAM LIFT

The patented rake wheel lift orientation raises the front wheels first when activating the hydraulic valve. When raking into a headland, it allows the windrow to form completely rather than leaving small, separate windrows similar to what is found when raking with competitive models.



FULLY WELDED REAR FRAME

The rear main frame is fully welded for maximum strength and durability. This design helps the SR 50 provide reliable service and long life.



ADJUSTABLE FLOTATION SPRINGS

Large, adjustable flotation leaf springs are positioned on the front of the frame for easy access. The leaf springs provide uniform flotation over field contours and reduce rake wheel wear by decreasing ground pressure. The decreased pressure also results in cleaner raking and is gentler on crop stubble.



BUILT-IN FLOTATION SLOTS

Built-in mechanical flotation slots on the end of each cylinder eliminate the need for a tractor with hydraulic float for more economical operation. The slots allow the rake arms to adapt to irregular field conditions.



SIMPLE RAKING ANGLE ADJUSTMENT

Seven laser-cut holes provide simple, easy adjustment of the raking angle to produce the ideal windrow for crop and field conditions. The nut and bolt can be quickly removed and repositioned at the desired setting. It is also easy to match the setting on each side.



HIGH-CLEARANCE DESIGN

The high-clearance frame design provides increased capacity allowing for more even crop flow and excellent windrow formation. The design also allows for excellent ground clearance for entering and exiting the field more easily.

PREMIUM PERFORMANCE

Setting the Standard

Since the first introduction, the SpeedRake® name has been recognized for quality. The SR 100 GII has taken that reputation even further, combining the proven quality, reliability and simplicity that our customers expect, with next level features to excel even further beyond the competition. Refined styling, high-strength materials and premium options deliver the most value for your equipment dollars.



PATENTED LIFT DESIGN

When the rake arms are lifted the front wheels lift first, then the rear wheels raise last. This results in properly raked row ends unlike competitive models. Rake arms also lift faster and more smoothly for increased productivity.



INDEPENDENT WINDROW WIDTH ADJUSTMENT

The windrow width can be adjusted independently of the overall raking width. This gives you the ability to tailor to specific volumes of crop or to match differing pickup widths. You can also rake at a steeper angle in heavier crops and maintain a narrow width or rake at a flatter angle in thinner crops and form a wider windrow.



ADJUSTABLE SPRING SUSPENSION

The large flotation coil springs are positioned horizontally on the back of the frame and are protected during work. The coil springs provide uniform floatation over field contours



RAKING SIDE ADJUSTMENT

An easy-to-adjust handle saves you time when going back and forth from distant fields. Three adjustment positions include transport, right-side only raking and standard, full-width raking.



RAKE ARM FLOTATION

The built-in mechanical rake arm float slot eliminates the requirement for the hydraulic float to be engaged on the tractor. The rake arms easily adapt to irregular field conditions.



MAXIMUM HARVEST PRODUCTIVITY

THE BEST OF BOTH WORLDS

These machines combine the exceptional transportability of the SR 100 GII Series and the high-capacity of the SR 600 GII Series. The unique hybrid design of the SR 300 Series, which offers exceptional simplicity and high clearance, allows you to tailor the machine perfectly to the needs of your operation. Working width is controlled hydraulically from the tractor seat for rapid adaptation in varying field and crop conditions.



CONVENIENT WINDROW WIDTH ADJUSTMENT

The windrow width can be quickly and conveniently adjusted by changing the working angle of the last two raking wheels on each side (last three raking wheels on the SR 314), independently from the raking width adjustment. This easy adjustment provides variable windrow widths with minimal angle change for gentler crop flow.



HIGH-VOLUME CAPACITY

Specially curved rake wheel arms provide high capacity for uniform crop flow and neatly formed windrows. The design offers outstanding clearance when crossing over windrows or moving between fields as the rake wheels can be lifted up to 21".



CANTILEVER RAKE BEAMS

Rake closer to fences, irrigation borders and other obstacles as a result of the cantilever rake beams. They allow the rake wheels to closely follow the ground contours without the need for caster wheels. The hydraulically controlled beams telescope in and out allowing on-the-go raking width adjustment.



INDEPENDENT RAKE WHEEL SUSPENSION

Individually floating rake wheels are mounted on spring-suspended arms and can be adjusted independently from front to back. This reduces soil disturbance, providing cleaner raking and resulting in higher-quality hay.



RAKE WHEEL LOCKOUT

The front two and back two rake wheels can be locked out to adapt to specific situations (the back three rake wheels on the SR 314). Handle heavier crop conditions more effectively by locking up the front wheels. Produce a wider windrow or turn two windrows at once without combining them by locking the rear wheels.



EXPANDABLE FRAME

The expandable frame makes it easy to convert a base 10-wheel model to a 12-wheel model.

Note: The SR 312 cannot be converted to a 14-wheel model.



SPEEDRAKE® SR 600 GII SERIES

HIGH CAPACITY MEETS SUPERIOR PERFORMANCE

The innovative design of the SR 600 GII provides unparalleled maneuverability on the road and in the field. This rake can turn on a dime! The SR 600 GII Series rakes provides clean raking while preserving crop stubble, as well as optimized windrow formation, for a total package that offers the ultimate combination of productivity and quality performance.

SMOOTH OPERATION

Standard offset rear tandem axles pivot up and down 20° for increased flotation to smooth the effects of rough terrain on the rake chassis. They also improve stability and tracking on hillsides. Front caster wheels provide added strength and durability to withstand difficult field conditions, particularly when ruts, holes and washouts are common.

CLEAN RAKING

Individually floating rake wheels with long-travel rake suspension springs help ensure more uniform ground pressure throughout the range of flotation. This results in cleaner raking while preserving crop stubble.



HIGH-CAPACITY CROP HANDLING

Crop-driven wheels allow for higher raking speeds with no need to match PTO speed to ground speed. Rake wheels mounted in front of the wheel frame allow for uniform crop flow and neatly formed windrows, even when raking high volumes of crop. Standard windguards improve crop flow along the wheels for a more uniform windrow. They also reduce wrapping in difficult conditions, such as tall, stemmy crops and corn stalks.

COMPACT, HIGHLY MANEUVERABLE DESIGN

The unique, innovative unfolding system moves the rear wheels forward as the rake opens, reducing the overall length of the rake by up to 7'. The shorter wheelbase improves maneuverability, allowing shorter turns on headlands, for improved efficiency and productivity. This also provides easier raking around corners.

EASY WINDROW WIDTH ADJUSTMENT

The windrow width can be quickly and conveniently adjusted by changing the working angle of the last two raking wheels on each side, independently from the raking width adjustment. This easy adjustment provides variable windrow widths, from 3' to 6', with minimal angle change as compared to competitive models that only adjust one wheel on each side. This helps ensure gentle crop flow over the range of windrow widths.



SPEEDRAKE® SR 800 SERIES

FITS ANY TYPE OF OPERATION

The SR 800 Series wheel rake is the latest to join KUHN's highly trusted rake lineup. All of the wheels on the SR 800 are angled vertically at 8.7°, allowing the crop to be lifted off the ground and transitioned easily from wheel to wheel for a well-formed, uniform and fluffy windrow. With the easily expandable design, the rake beams can increase from 17 to 19 rake wheels, thus increasing working widths from 27' to 29' 6". The simple folding design of the SR 800 allows the operator to extend the frame and angle the rake beam to match up with a variety of mower widths and windrow styles to fit any type of operation. The ground pressure on the rake wheels can be easily adjusted on each beam to get the best crop pickup for a clean field.



EXPANDABLE DESIGN

Operators can easily expand the rake beams from 17 to 19 wheels to achieve a wider working width in the field.



STANDARD TANDEM AXLE AND WINDGUARDS

Tandem axles provide improved performance in difficult field and crop conditions. The windguards provide notable raking performance benefits, helping ensure a smoother crop flow and a more uniform windrow than wheel rakes without windguards.



HEAVY-DUTY FRAME WITH 60" RAKE WHEELS

The 60" rake wheels are built from heavy-duty steel to ensure a long service life. Windguards and rubber tines ensure a smooth crop flow and uniform windrow. The tines are flexible, yet tough enough to pick up long or wet crop without incorporating an excessive amount of dirt or ash into the windrow.



GROUND PRESSURE ADJUSTMENT

A toolless adjustable, single-point stop, on the right and left sides increases or decreases the machine's ground pressure. It also puts the operator in control to adjust the ground pressure, based on crop volume and conditions for cleaner raking with less dirt and ash in the windrow.



RAKE WHEEL ANGLE

All of the rake wheels are angled 8.7° allowing the crop to be lifted off of the ground and flow easily from wheel to wheel to create a uniform, fluffy windrow.

OPTIONAL EQUIPMENT



TANDEM AXLES

The tandem axles pivot up and down, and are ideal for smooth and stable operation over difficult terrain. They work well going through pivot tracks or flood irrigation borders.

*Not available on SR 50 models.
Optional: All SR 100, 310 and 312 models.
Standard: SR 314, SR 600 GII and SR 800 models.*



ROAD LIGHTS AND SIGNALING

Highway lights provide additional safety when transporting the machines on the road between fields.



ADJUSTABLE CLEVIS OR BALL HITCH

A clevis hitch comes standard with all models. A ball hitch is optional.



KICKER / SPLITTER WHEEL KIT

An optional 55", center kicker wheel is available on the SR 50 / SR 100 GII Series. The SR 300 and SR 600 GII Series have optional v-type splitter wheels available. Both kicker and splitter wheel options provide excellent ground coverage to ensure that all hay has been moved, providing a more complete pickup. All wheels are hydraulically raised and lowered with the main wheels and can be easily locked out when not needed.



WINDGUARDS

Windguards improve crop flow along the wheels for a more uniform windrow. The durable, HDPE guards are UV stable and improve raking performance in windy conditions. They also reduce wrapping in difficult conditions, such as tall, stemmy crops and corn stalks. Windguards are sold in sets of two, with one required per raking wheel. They are standard on SR 314 and all SR 600 GII and SR 800 models.

MODEL-SPECIFIC OPTIONS

SR 300



RAKING WHEEL AND HITCH EXTENSION

The SR 300 10-wheel model can be converted to a 12-wheel model with the Raking Wheel and Hitch Extension kit. This kit can easily be installed in the field.

Note: The SR 312 cannot be converted to a 14-wheel model.

SR 600 GII



RAKING WHEEL EXTENSION

The SR 600 GII can be converted from a 12-wheel model to a 14-wheel model, and a 14-wheel model to a 16-wheel model. These options can easily be installed in the field for maximum adaptability.



HITCH EXTENSION

In order to convert SR 600 GII from a 14-wheel model to a 16-wheel model, a hitch extension must be installed, along with the Raking Wheel Extension kit. The hitch extension can also be used on 14-wheel models if you need to accommodate tractors with longer wheel bases.



INTERMEDIATE CASTER WHEEL

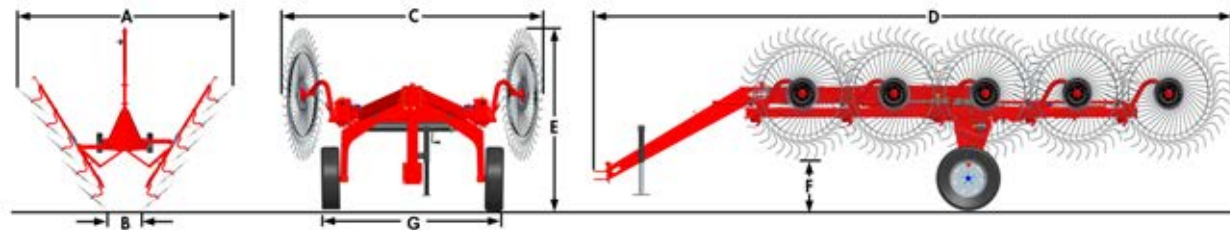
This bolt-on option provides additional support and more positive raking when crossing difficult terrain like holes, ditches, ruts or irrigation pivot tracks. This option is standard on SR 614 and 616 models. It is optional on the SR 612 model.

SR 800

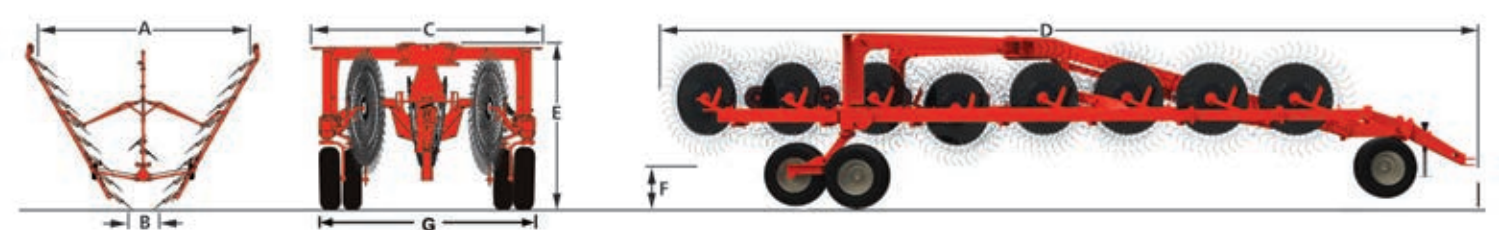


IN-CAB ELECTRONIC CONTROL BOX

With only one hydraulic valve, users are able to fold and unfold the rake, raise and lower the rake wheels, and adjust the beam angle to get the desired working width while never having to leave the comfort of the tractor.



SR 50 / SR 100 GII / SR 300



SR 600 GII / SR 800

Model Specifications

	SR 50 - 8	SR 50 - 10	SR 108 GII	SR 110 GII	SR 112 GII	SR 310	SR 312	SR 314	SR 612 GII	SR 614 GII	SR 616 GII	SR 800 - 17	SR 800 - 18	
DIMENSIONS														
A – Minimum working width	15'11" (4.9 m)	17'7" (5.4 m)	15'10" (4.8 m)	16'11" (5.2 m)	18'9" (5.7 m)	16'8" (5.1 m)	18'10" (5.7 m)	21' (6.4 m)	20' (6.1 m)	22' (6.7 m)	24' (7.3 m)	10' (3.1 m)		
A – Maximum working width	18' (5.5 m)	21'4" (6.5 m)	18'10" (5.7 m)	21'2" (6.5 m)	23'4" (7.1 m)	20'10" (6.3 m)	24'2" (7.4 m)	28' (8.5 m)	25' (7.6 m)	28' (8.5 m)	31' (9.5 m)	27' (8.2 m)	29'6" (9.0 m)	
Number of rake wheels	8	10	8	10	12	10	12	14	12	14	16	17	19	
Rake wheel bearings	Tapered roller bearings with grease zerk		Tapered roller bearings with grease zerk			Tapered roller bearings with grease zerk			Tapered roller bearings with grease zerk			Tapered roller bearings with grease zerk		
Center kicker wheel	Optional 55" (1.4 m) wheel		Optional 55" (1.4 m) wheel			Optional V-type splitter wheels- not recommended for long-stemmed hay			Optional V-type splitter wheels- not recommended for long-stemmed hay			N/A		
Rake wheel diameter	55" (1.4 m)		55" (1.4 m)			55" (1.4 m)			55" (1.4 m)			60" (1.5 m)		
Tine diameter	9/32" (7 mm)		9/32" (7 mm)			9/32" (7.1 mm)			9/32" (7.1 mm)			9/32" (7 mm)		
Tine sets per wheel	40		40			40			40			36 (18 pairs)		
Rake wheel mounting	Wheel studs		Wheel studs			Wheel studs			Wheel studs			Bolts		
Rake wheel lift	Hydraulic		Hydraulic			Hydraulic			Hydraulic			Hydraulic		
Rake wheel ground pressure	Right and left side independent adjustable spring suspension		Right and left side independent adjustable spring suspension			Right and left side independent adjustable spring suspension			Right and left side independent adjustable spring suspension			Right and left side independent adjustable spring suspension		
Safety chain	Optional		Optional			Optional			Optional			Optional		
Transport wheels and tires	ST 175 / 80 D-13"		ST 205 / 75 D-15"			ST 205 / 75 D-15 (single and tandem axle)			7.6L - 15			9.5L - 15, 8-ply rating		
G – Tread Width	6'6" (2.01 m)		8'5" (2.6 m)			6'5" (1.98 m)	6'5" (1.98 m)	6'5" (1.98 m)	6'8" (2.07 m)	6'8" (2.07 m)	6'8" (2.07 m)	8'3" (2.5 m)	8'3" (2.5 m)	
Single axle	Standard		Standard			Standard			-			-		
Tandem axle	N/A		Optional			Optional			Standard			Standard		
B – Minimum windrow width	3'7" (1.1 m)		3' (0.9 m)			3' (0.9 m)			3' (0.9 m)			4' (1.2 m)		
B – Maximum windrow width	8'11" (2.7 m)		7' (2.1 m)			6' (1.8 m)			6' (1.8 m)			6' (1.8 m)		
C – Transport width	9'9" (3 m)		8'10" (2.7 m)	8'6" (2.6 m)	9'4" (2.8 m)	9' (2.7 m)		10'10" (3.3 m)	10' (3.1 m)			12'4" (3.8 m)		
D – Transport length	15'9" (4.8 m)	17'7" (5.4 m)	17'6" (5.3 m)	19'1" (5.6 m)	21'8" (6.6 m)	21'6" (6.6 m)	24'7" (7.5 m)	27' (8.3 m)	31'1" (9.5 m)		33'9" (10.3 m)	28'3" (8.6 m)	32' (9.8 m)	
E – Transport height	8'5" (2.6 m)	8'5" (2.6 m)	8'5" (2.6 m)	8'5" (2.6 m)	8'5" (2.6 m)	6'5" (1.98 m)	6'5" (1.98 m)	6'5" (1.98 m)	6'8" (2.07 m)	6'8" (2.07 m)	6'8" (2.07 m)	8'3" (2.5 m)	8'3" (2.5 m)	
F – Rake wheel clearance on headlands	>24" (60 cm)		>24" (60 cm)			21" (50 cm)			21" (50 cm)			14" (36 cm)		
Single-side raking	Standard		Standard			Standard			Standard			Standard		
Intermediate caster wheel set	-		-			-			Optional	Standard			-	
Windguards	Optional		Optional			Optional		Standard	Standard			Standard		
Minimum power requirement	20 hp (15 kW)		20 hp (15 kW)		30 hp (22 kW)	20 hp (15 kW)	30 hp (22 kW)	35 hp (26 kW)	30 hp (22 kW)	35 hp (26 kW)	40 hp (29 kW)	80 hp (60 kW)		
Required tractor hydraulic connections	1 DA		1 DA			2 DA			2 DA			2 DA		
Hitch	Standard clevis (optional 2-5/16" ball hitch)		Standard clevis (optional 2-5/16" ball hitch)			Standard clevis (optional 2-5/16" ball hitch)			Standard clevis (optional 2-5/16" ball hitch)			Standard clevis (optional 2-5/16" ball hitch)		
Machine weight approx.	1,075 lbs (488 kg)	1,230 lbs (558 kg)	1,270 lbs (576 kg)	1,425 lbs (646 kg)	1,624 lbs (736 kg)	2,225 lbs (1,009 kg)	2,440 lbs (1,106 kg)	3,160 lbs (1,143 kg)	4,232 lbs (1,920 kg)	4,476 lbs (2,030 kg)	4,772 lbs (2,165 kg)	6,170 lbs (2,800 kg)	6,574 lbs (2,982 kg)	
Rake wheel and frame extension kit	Optional		-			Optional	-			Optional			-	Standard
Road lights and signaling	Optional		Optional			Optional			Standard			Standard		

COMPLEMENTARY PRODUCTS

MORE PRODUCTS TO MEET YOUR NEEDS

With over 700 models of equipment, we have the most complete implement line in the industry. Whether you have a small or large operation, we have a broad range of models and options to help fit your diverse needs.



1. Mounted Mowers
2. Trailed Mowers
3. Tedders
4. Rotary Rakes
5. Mergers
6. Balers

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Your KUHN dealer

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Information given in this document is only for informational purposes and is non-contractual. Our machines are in compliance with North American safety standards. In our literature, and for improved illustration of certain details, some safety devices may not be in operating position. When operating these machines, these devices must be operated in accordance with the requirements indicated in the operator's manuals and assembly manuals. We reserve the right to change any designs, specifications or materials listed without further notice. Machines and equipment in this document can be covered by at least one patent and/or registered design. Trademarks cited in this document may be registered in one or several countries.

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