

Spreaders

INDUSTRIAL SPREADERS

SIDE DISCHARGE / APRON BOX / PUSH BOX



www.KuhnNorthAmerica.com



Invest in Quality®

INDUSTRIAL SPREADING HAS BEEN REDEFINED

As the worldwide leader in spreading technology, Kuhn North America offers a wide variety of Kuhn Knight spreaders designed and built to meet any industrial spreading needs. Slinger® side-discharge spreaders provide even, controlled spreading of the widest variety of wastes, from slurry to tough solids. PSC Series ProSpread® Commercial apron box spreaders are high-capacity, rugged machines that easily spread the toughest materials. The 2054 ProPush® commercial push-type box spreader is a surprisingly simple, yet highly reliable machine that provides fast unloading and high-quality spreading performance with many different solid materials. With these three unique designs and a variety of sizes and options, Kuhn Knight spreaders are the ideal choice for any industrial spreading application.



SIDE-DISCHARGE



APRON BOX



PUSH BOX



TRUCK MOUNT MODELS

A truck mounted machine is a good choice for large operations or users who want faster, more convenient travel for longer hauls. Truck mounted spreaders also increase operator comfort and are more maneuverable, especially when backing into tight areas.



TRAILER MODELS

For users who already have access to a power unit, a trailer model can be the perfect match. Heavy-duty undercarriages provide rugged durability and long life. Trailed spreaders can be easily disconnected, leaving your power unit available for other applications.



SIMPLIFY REGULATORY COMPLIANCE

A scale option is available for all ProTwin Slinger models. This scale system can be combined with the Digi-Star NT 460 Nutrient Tracker system that features GPS field mapping. This package allows easy monitoring and documentation of spreading activity.



PROTWIN® SLINGER® SIDE-DISCHARGE SPREADERS

ProTwin Slinger side-discharge spreaders set the standard for fast, efficient industrial and municipal spreading. Maximize productivity and performance with large capacity truck mount or trailer models. Even, consistent spread patterns and optional scale systems on select models provide precise application of the widest variety of industrial and municipal waste, biosolids, compost, food waste, drilling sludge and many other solid or slurry-type materials. From land application of industrial wastes, to top dressing for erosion control, to spreading mulch in orchards and nurseries, there is a Slinger to meet any spreading need.

THE PROTWIN DUAL-AUGER SYSTEM

- Simple and dependable
- Spreads the widest variety of materials
- Consistent material flow to discharge
- Eliminates material bridging
- Even and controlled spread pattern



EVEN, CONSISTENT SPREAD PATTERN

When the material enters the free-swinging hammer discharge, each forged-steel hammer swings down into the material, peeling it off, pulverizing it and slinging it underhand into an even, consistent spread pattern.

HYDRAULIC DEFLECTOR

The ProTwin Slinger provides complete control of the discharge pattern with the easily adjustable hydraulic deflector. Spread from 3' to 50' to fit any application. The deflector is also essential in controlling the spread pattern on windy days.

KEEP ROADWAYS CLEAN

Dropping sludge or other waste materials on the roadway is not tolerated. The lower discharge pan available on the SLC 132 truck model not only prevents spillage but also hides materials from public view.



HORIZONTAL BEATERS

Horizontal beaters provide fast, efficient spreading of solid, coarse materials. They create a narrower spread pattern and work best when high application rates are desired.



VERTISPREAD® VERTICAL BEATERS

VertiSpread vertical beaters provide the same fast unloading as horizontal beaters, but with a wider spread pattern and more consistent material breakup. Get quality spreading of materials from biosolids to fine compost with this option.



ACCUSPREAD® SPINNER DISCHARGE

The AccuSpread spinner discharge offers the widest, most uniform spreading of dry, flowable materials such as dry compost, poultry litter and separated solids.



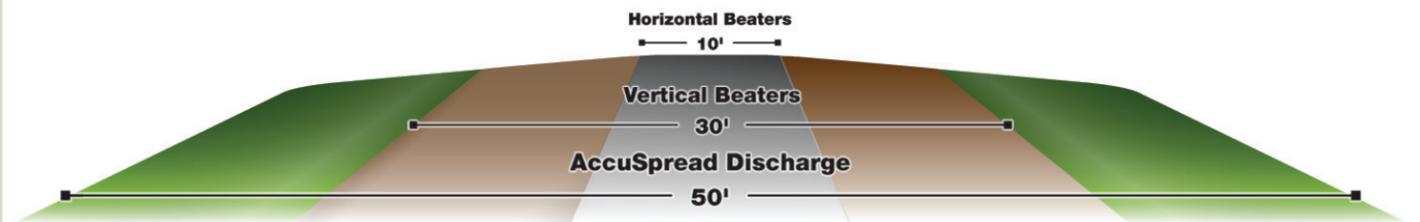
SPREADING RATE CONTROL

Combine a scale option on any PSC model with the new NT8000i closed-loop rate control system. This complete system provides automatic prescription-based control and complete as-applied records.



PSC SERIES APRON BOX SPREADERS

PSC Series ProSpread® Commercial truck and trailer apron box spreaders are the ideal choice for industrial operators who need a high-capacity, heavy-duty machine capable of spreading the most demanding materials. Available with a choice of horizontal beaters, vertical beaters, or spinner discharge, the PSC Series spreader is highly customizable to help you get the job done. For spreading anything from compost, to biosolids, and many other industrial materials, these machines will provide top-quality performance and years of dependable service. When the task at hand is transporting materials, the beater assembly is easily removed and the PSC becomes an ideal tool for hauling materials to a storage site. Optional scale systems and GPS data mapping software are also available, making the PSC a highly efficient, accurate machine.



VERSATILE SPREAD PATTERNS



VARIABLE SPEED DRIVE

Kuhn Knight PSC spreaders utilize hydraulic motors to operate the apron drive, allowing for greater flexibility and control. The hydraulic motor speed can be easily adjusted and when used in conjunction with the metering gate, it provides precise unloading capability.

SOLID FOUNDATION

The heavy-duty undercarriage on trailer models provides a solid foundation to haul the heaviest loads. The rugged tandem axle adds strength and durability. It also provides increased flotation with more uniform load distribution, which reduces soil compaction. Brakes are standard on the PSC 171 and 181.

ADVANCED METERING GATE

The heavy-duty metering gate, available with the VertiSpread and AccuSpread discharges, puts the power in your hands, allowing you to control the flow of nutrient-rich materials. It allows for low application rates to take maximum advantage of nutrient value.



HORIZONTAL BEATERS

Horizontal beaters are best used in spreading applications with solid, coarse materials such as biosolids. They work well in situations where fast unloading and high application rates are desired.



VERTISPREAD® BEATERS

VertiSpread vertical beaters provide quality spreading performance of a wider variety of materials ranging from biosolids to finer materials like compost. The beaters feature replaceable teeth and provide excellent material breakup.



REMOVABLE BEATER ASSEMBLY

Horizontal or vertical beaters can be easily installed or removed within minutes by simply removing a few bolts and a driveline. This provides versatility for stockpiling when field conditions do not allow timely spreading.



2054 PROPUSH® PUSH BOX SPREADERS

The 2054 ProPush box spreaders were designed with quality and simplicity in mind. The hydraulic push unloading design completely eliminates apron chains, resulting in fewer moving parts and less maintenance while providing fast unloading. ProPush spreaders are an ideal choice for spreading solid industrial materials such as compost, biosolids and food waste. The solid poly floor and polylam sides, which are backed by an extended warranty plan, prevent material from sticking to the floor and sides, ensuring a complete cleanout with every load. The 2054 ProPush spreader is a versatile machine, available with a vertical or horizontal beater configuration, both of which are easily removable to convert the spreader for stockpiling applications. Its large size offers high-volume material hauling capability and with the optional high flotation tires it also treads lightly in the field. When it comes to simplicity and versatility, the 2054 ProPush is the spreader of choice.



PIGGYBACK HYDRAULIC CYLINDERS

This unique cylinder design provides smooth, uniform travel through the entire stroke and rapid cylinder retraction when spreading is complete. Application rates can easily be set by adjusting the hydraulic flow to the cylinders, changing the speed at which the material is pushed out of the spreader.



CYLINDER PROTECTION

The hydraulic push cylinders are completely protected by a structural steel tube that prevents debris from falling on the cylinders and helps keep the pusher in alignment. The structural tube keeps the cylinders clean, preventing damage and prolonging the life of the cylinder seals.



POLY FLOOR AND POLYLAMINATE SIDES

The solid poly floor and polylaminate sides reduce friction and promote self-cleaning to help prevent material buildup on the inside of the spreader.

INNOVATIVE PRODUCT FEATURES



STATE-OF-THE-ART DATA DOCUMENTATION

Equipping your spreader with a scale system and Digistar NT 460 nutrient tracker system or NT8000i closed-loop rate control system helps ensure accurate application rates and superior data documentation. Record key information such as:

- Data on pounds spread with GPS location
- Actual tons per acre
- Weight and GPS information
- U.S. standard or metric measurements

HIGH FLOTATION TIRE OPTION

If reducing soil compaction is a priority, many Kuhn Knight spreaders are available with high flotation tire options.

TRUCK MODEL FACTORY MOUNTING AND SOURCING

We offer factory installation of truck model spreaders to ensure proper function and promote longer service life. Our installation team can mount a spreader on a truck the customer supplies or we can source a truck that will meet our detailed specifications.

TECHNICAL SPECIFICATIONS

Model Specifications

PSC SERIES

	PSC 161				PSC 171				PSC 181									
DIMENSIONS																		
Beater Type	Horizontal		Vertical		Spinner		Horizontal		Vertical		Spinner		Horizontal		Vertical		Spinner	
Body Type	Trailer	Truck	Trailer	Truck	Trailer	Truck	Trailer	Truck	Trailer	Truck	Trailer	Truck	Trailer	Truck	Trailer	Truck	Trailer	Truck
Overall Length	307	250	325	268	321	264	344	386	362	304	358	300	380	322	398	340	394	336
Inside Box Length	216"				252"				288"									
Inside Box Depth	41"				41"				41"									
Inside Box Width	81 1/2"				81 1/2"				81 1/2"									
Overall Height ^{1,2} (Inches)																		
- Tire Option Used (TR Models)	425 65R - 22.5						700 / 50-26.5						700 / 50-26.5					
- Top of Beaters	110	105	139	135	133	127	117	105	144	135	138	128	117	105	144	135	138	128
- Top of Hydraulic End Gate	116	110	116	110	116	110	116	110	116	110	116	110	120	110	120	110	120	110
- Cab Shield	137	132	137	132	137	132	137	132	137	132	137	132	142	132	142	132	142	132
Loading Height ^{1,2}	104	102	104	102	104	102	102	112	102	112	102	112	112	102	112	102	112	102
Tread Width ¹	108	103	108	103	108	103	108	103	108	103	108	103	108	103	108	103	108	103
Unit Weight - Pounds ³																		
- Trailer	13,950		15,200		16,200		17,250		18,500		19,500		18,200		19,500		20,500	
- Truck	7,500		8,750		9,750		8,100		9,350		10,350		8,650		9,900		10,900	
Maximum Net Load - Pounds	39,500						46,000						52,500					
Capacity																		
- Cubic Feet - Struck Level ⁴	430						500						570					
- Cubic Feet - Heaped ⁴	610						710						810					

¹ Heights and widths will vary depending on tire size listed. ² Truck dimensions based on 41" truck frame height.

³ Units equipped with most common options. ⁴ Capacities determined by ASAE Standard S324.1.

Model Specifications

PROTWIN SLINGER

SLC 126 TR SLC 132 TR SLC 132 TK SLC 141 TR SLC 150 TR

DIMENSIONS					
Overall Length	281"	289"	220"	237"	237"
Inside Hopper Length	192"	192"	192"	240"	240"
Top Inside Hopper Width	83"	90"	90"	96"	96"
Overall Height ^{1,2}					
- Tire Option Used ²	19 X 16.1	21.5 X 16.1	-	28L X 26	30.5L X 32
- Tandem Axle (Without Options)	81"	92"	118"	94"	103"
- With Splash Guards ³	91"	102"	128"	104"	113"
Overall Width	107"	120"	117"	136"	139"
Tread Width ²	107"	114"	96"	136"	139"
Unit Weight ⁴ Pounds	9,500 lbs	12,000 lbs	8,800 lbs	16,500 lbs	20,500 lbs
Maximum Net Load	26,000 lbs	32,000 lbs	32,000 lbs	41,000 lbs	50,000 lbs
Capacity					
- Gallons (Struck Level)	2,600	3,200	3,200	4,100	5,000
- Cubic Feet (Struck Level)	350	435	435	543	668
- Cubic Yards (Struck Level)	13	16	16	20	25

¹ Truck dimensions based on 41" truck frame height. ² Heights and widths will vary depending on tire size listed.

³ Optional equipment ⁴ Units equipped with most common options.

Model Specifications

2054 PRO PUSH

2054

DIMENSIONS		
Beater Type	Horizontal	Vertical
Overall Length	343"	357"
Inside Box Length	192"	
Inside Box Depth	47"	
Inside Box Width	71"	
Overall Height ¹		
- Tire Option Used	425-65R X 22.5	
- Beater	90"	118"
- Push Extension of Bulkhead	103"	126"
Loading Height ¹	85"	
Tread Width ¹	125"	
Ground Clearance ¹	18"	
Unit Weight ² - Pounds	10,900	12,520
Maximum Net Load - Pounds	35,000	
Capacity		
- Cubic Feet - Struck Level ³	400	
- Cubic Feet - Heaped ³	540	

¹ Heights and widths will vary depending on tire size listed. ² Units equipped with most common options.

³ Capacities determined by ASAE Standard S324.1.

COMPLEMENTARY PRODUCTS

MORE PRODUCTS TO MEET YOUR NEEDS

With over 690 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. Vertical Twin-Auger Mixers – 2. Reel Mixers – 3. 4-Auger Mixers – 4. Fertilizer Spreaders – 5. Roadside Mowers

For more information about your nearest Kuhn dealer and other Kuhn products, visit our website at

www.KuhnNorthAmerica.com



Visit our YouTube channel to watch our latest product videos.

KUHN NORTH AMERICA, INC.

Corporate Headquarters
1501 West Seventh Avenue - Brodhead, WI 53520

Always read and understand the Operator's Manual and all Safety Decals before using the equipment. We reserve the right to change any equipment specifications, design, or materials without notice. These spreaders are designed for agricultural use only with materials estimated up to 65 lbs. per cubic foot. Contact factory for non-agricultural use or heavier materials. US and foreign patents filed.

Your Kuhn Knight dealer



www.KuhnNorthAmerica.com

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