



Industrial Spreaders
SIDE DISCHARGE / APRON BOX / PUSH BOX



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 and PXL 100 Series ProSpread® Commercial apron box spreaders are high-capacity, rugged machines that easily spread the toughest materials. The HP 160 ProPush® push-type box spreaders are surprisingly simple, yet highly reliable machines that provide 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.

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Models	Type	Capacity	Available Configurations
SLC 126	Side-Discharge	2,600 gal (9,842 L)	Trailer – 8 bolt or 10 bolt
SLC 132	Side-Discharge	3,200 gal (12,113 L)	Trailer or Truck
SLC 141	Side-Discharge	4,100 gal (15,520 L)	Trailer or Truck
SLC 150	Side-Discharge	5,000 gal (18,927 L)	Trailer
PSC 161	Apron Box	560 ft³ (15.9 m³)	Trailer or Truck
PSC 171	Apron Box	665 ft³ (18.8 m³)	Trailer or Truck
PSC 181	Apron Box	770 ft³ (21.8 m³)	Trailer or Truck
PXL 185	Apron Box	865 ft³ (25 m³)	Trailer or Truck
PXL 1100	Apron Box	1,000 ft³ (28 m³)	Trailer or Truck
PXL 1120	Apron Box	1,230 ft³ (35 m³)	Trailer
HP 160	Push Box	600 ft³ (17 m³)	Trailer



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. Mechanical, hydrostatic or dual-hydro drive options are available.



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 560 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 auto-lube greasing system services all stationary bearings and minimizes daily maintenance.

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 acceptable. The hydraulically activated lower discharge pan available on the SLC 132 and 141 truck models not only prevents spillage but conceals the discharge area 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.



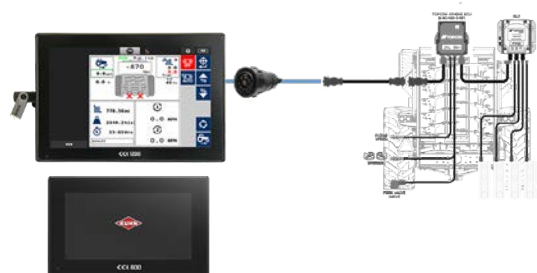
VERTISPREAD® VERTICAL BEATERS

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.



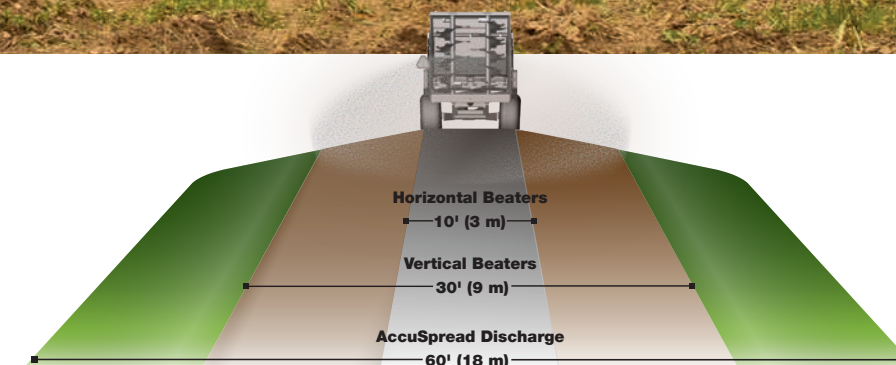
OPTIONAL NUTRIENT MANAGEMENT SYSTEMS

Combine a scale option on any PSC or PXL model with the new Athene ISOBUS Spread Rate Control System on a Universal Terminal (UT) or KUHN-supplied CCI 800 or 1200 terminal. This complete system provides automatic prescription-based apron control and complete as-applied records. An NT 560 monitor is available to monitor and document spreading activity in non-ISOBUS applications.

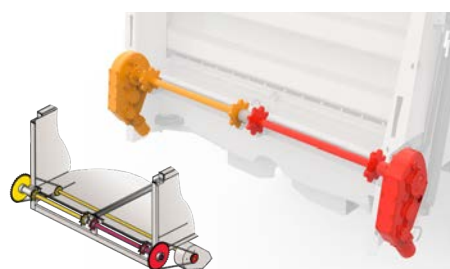


PSC & PXL SERIES APRON BOX SPREADERS

PSC and PXL 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 and PXL Series spreaders are 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/PXL 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 and PXL highly efficient, accurate machines.



VERSATILE SPREAD PATTERNS



HYDRAULIC, SPLIT-APRON DRIVE

The hydraulic apron drive has fewer moving parts, provides independent operation of beaters and apron, and allows controlled, even spreading of many different types of solid materials. Both PSC and PXL models feature a split-apron drive, which reduces the torsional twist on the apron drive shaft compared to a single apron drive shaft.

ADVANCED METERING CAPABILITY

The heavy-duty metering gate, available on PSC models, 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. The guillotine endgate provides excellent material control and metering ability in a more streamline design. New hydraulic cylinders raise the gate higher for heaped loads.

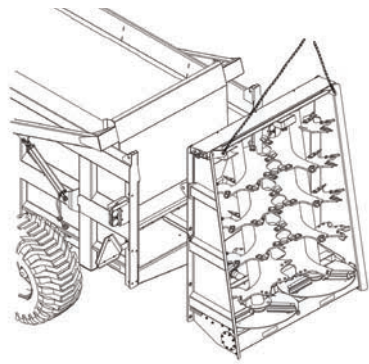
SOLID FOUNDATION

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



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

VertiSpread 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.



SIMPLIFY REGULATORY COMPLIANCE

A scale option is available for the HP 160 ProPush model. This scale system can be combined with the Digi-Star NT 560 Nutrient Tracker system that features GPS field mapping. This package allows easy monitoring and documentation of spreading activity.



HP 160 PROPUSH® PUSH BOX SPREADERS

The HP 160 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 polylam floor and 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 HP 160 ProPush spreader is a versatile machine, available with a vertical beater configuration that is easily removable to convert the spreader for stockpiling applications. The all-steel welded ProPush construction provides a solid framework and includes a reinforced tongue that pulls directly from the full-width axle. When it comes to simplicity and versatility, the HP 160 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. Piggyback cylinders offer an advantage over moving hydraulic hoses found on competitive models.



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.



POLYLAMINATE FLOOR AND SIDES

The polylaminate floor and sides reduce friction and promote self-cleaning to help prevent material buildup on the inside of the spreader. The polylaminate floor provides impact resistance when dropping heavy loads into the spreader. The plastic floor and sides also reduce winter freeze-down issues.

INDUSTRIAL SPREADERS

SIDE DISCHARGE / APRON BOX / PUSH BOX

Technical Specifications						SLC 100 Series
	SLC 126 TRAILER	SLC 132 TRAILER	SLC 132 TRUCK	SLC 141 TRAILER	SLC 141 TRUCK	SLC 150 TRAILER
Struck Level	2,600 gal (9,842 L)	3,200 gal (12,113 L)		4,100 gal (15,520 L)		5,000 gal (18,927 L)
Struck Level	350 ft³ (10 m³)	430 ft³ (12.2 m³)		550 ft³ (15.6 m³)		670 ft³ (19 m³)
Heaped	540 ft³ (15.3 m³)	645 ft³ (18.3 m³)		820 ft³ (23.2 m³)		965 ft³ (27.3 m³)
Maximum Net Load	26,000 lbs (11,793 kg)	32,000 lbs (14,515 kg)		41,000 lbs (18,597 kg)		50,000 lbs (22,680 kg)
Overall Length	281" (714 cm)	289" (734 cm)	220" (559 cm)	337" (856 cm)	274" (696 cm)	337" (856 cm)
Inside Hopper Length	192" (488 cm)	192" (488 cm)		240" (610 cm)		240" (610 cm)
Top Inside Hopper Width	83" (211 cm)	90 " (229 cm)		90 " (229 cm)		96" (244 cm)
Overall Height - Top of Splash Guards	91" (231 cm)	102" (259 cm)	128" (325 cm)	104" (264 cm)	128" (325 cm)	113" (287 cm)
Overall Height - Top of Lid	-	116" (295 cm)	142" (361 cm)	128" (325 cm)	142" (361 cm)	137" (348 cm)
Overall Width	107" (272 cm)	120" (305 cm)	117" (297 cm)	132" (335 cm)	117" (297 cm)	139" (353 cm)
Tread Width	107" (272 cm)	114" (290 cm)	96" (244 cm)	132" (335 cm)	96" (244 cm)	139" (353 cm)
Unit Weight	9,500 lbs (4,309 kg)	12,000 lbs (5,443 kg)	8,821 lbs (4,001 kg)	16,500 lbs (7,484 kg)	9,800 lbs (4,445 kg)	20,500 lbs (9,300 kg)



Technical Specifications						PSC 100 Series
	PSC 161 TRAILER	PSC 161 TRUCK	PSC 171 TRAILER	PSC 171 TRUCK	PSC 181 TRAILER	PSC 181 TRUCK
beater Type	Horizontal/Vertical/Spinner		Horizontal/Vertical/Spinner		Horizontal/Vertical/Spinner	
Struck Level	380 ft³ (10.8 m³)		450 ft³ (12.7 m³)		520 ft³ (14.7 m³)	
Heaped	560 ft³ (15.9 m ³)		665 ft³ (18.8 m³)		770 ft³ (21.8 m³)	
Maximum Net Load	39,500 lbs (17,917 kg)		46,000 lbs (20,865 kg)		52,500 lbs (23,814 kg)	
Overall Length	307''/325''/321'' (780/826/815 cm)	250''/268''/264'' (635/681/671 cm)	344''/362''/358'' (874/919/909 cm)	286''/304''/300'' (727/772/762 cm)	380''/398''/394'' (965/1,011/1,001 cm)	322''/340''/336'' (818/864/854 cm)
Inside Box Length	216" (549 cm)		252" (640 cm)		288" (732 cm)	
Inside Box Depth	41" (104 cm)		41" (104 cm)		41" (104 cm)	
Inside Box Width	81.5" (207 cm)		81.5" (207 cm)		81.5" (207 cm)	
Overall Height - Top of Beaters	110''/139''/133'' (279/353/338 cm)		105''/135''/127'' (267/343/323 cm)		117''/144''/138'' (297/366/351 cm)	105''/135''/128'' (367/343/325 cm)
Overall Height - Top of Thrown Object Shield	137'' (348 cm)		132" (335 cm)		142" (361 cm)	142" (361 cm)
Loading Height	104" (264 cm)	102" (259 cm)	112" (285 cm)	102" (259 cm)	112" (285 cm)	102" (259 cm)
Overall Tread Width	108" (274 cm)	103" (262 cm)	108" (274 cm)	103" (262 cm)	108" (274 cm)	103" (262 cm)
Unit Weight	13,950/15,200/16,200 lbs (6,328/6,895/7,348 kg)	7,500/8,750/9,750 lbs (3,402/3,969/4,423 kg)	17,250/18,500/19,500 lbs (7,825/8,391/8,845 kg)	8,100/9,350/10,350 lbs (3,674/4,241/4,695 kg)	18,200/19,500/20,500 lbs (8,255/8,845/9,300 kg)	8,650/9,900/10,900 lbs (3,924/4,491/4,944 kg)

Technical Specifications					PXL 100 Series
	PXL 185 TRAILER	PXL 185 TRUCK	PXL 1100 TRAILER	PXL 1100 TRUCK	PXL 1120 TRAILER
Beater Type	Horizontal/Vertical/Spinner		Horizontal/Vertical/Spinner		Horizontal/Vertical/Spinner
Struck Level	600 ft³ (17 m³)		700 ft³ (20 m³)		850 ft³ (24 m³)
Heaped	865 ft³ (25 m³)		1,000 ft³ (28 m³)		1,230 ft³ (35 m³)
Maximum Net Load	50,000 lbs (22,680 kg)		Tandem axle: 50,000 lbs (22,880 kg) Tridem axle: 60,000 lbs (27,216 kg)	50,000 lbs (22,680 kg)	72,000 lbs (32,650 kg)
Overall Length	365"/375"/380" (927/953/965 cm)	300"/310"/315" (732/787/800 cm)	405"/415"/420" (1,030/1,054/1,067 cm)	340"/350"/355" (864/890/902 cm)	465"/475"/480" (1,181/1,207/1,220 cm)
Inside Box Length	252" (640 cm)		288" (732 cm)		360" (914 cm)
Inside Box Depth	48" (122 cm)		48" (122 cm)		48" (122 cm)
Inside Box Width	Top: 94" (239 cm) Bottom: 84" (213 cm)		Top: 94" (239 cm) Bottom: 84" (213 cm)		Top: 94" (239 cm) Bottom: 84" (213 cm)
Overall Height - Top of Beaters	145"/148"/139" (368/376/353 cm)		145"/148"/139" (368/376/353 cm)		145"/148"/139" (368/376/353 cm)
Overall Height - Top of Thrown Object Shield	140" (356 cm)		140" (356 cm)		140" (356 cm)
Loading Height	114" (290 cm)	113" (287 cm)	114" (290 cm)	113" (287 cm)	114" (290 cm)
Overall Tread Width	114" (290 cm)	102" (260 cm)	114" (290 cm)	102" (260 cm)	114" (290 cm)
Unit Weight	22,300/23,000/23,300 lbs (10,115/10,433/10,570 kg)	15,000/15,600/15,900 lbs (6,804/7,076/7,212 kg)	24,000/24,700/25,000 lbs (10,886/11,204/11,340 kg)	16,600/17,200/17,500 lbs (7,530/7,802/7,938 kg)	26,000/26,800/27,000 lbs (11,793/12,156/12,247 kg)

Technical Specifications	
	HP 160 TRAILER
Beater Type	Vertical
Struck Level	450 ft³ (12.7 m³)
Heaped	600 ft³ (17 m³)
Maximum Net Load	39,000 lbs (17,690 kg)
Overall Length	358" (909 cm)
Inside Box Length	198" (503 cm)
Inside Box Depth	60" (152 cm)
Inside Box Width	71" (180 cm)
Overall Height - Top of Beaters	127" (323 cm)
Overall Height - Top of Thrown Object Shield	132" (355 cm)
Overall Height - Top of Thrown Pusher Extension	121" (308 cm)
Loading Height	97" (246 cm)
Overall Tread Width	125" (318 cm)
Unit Weight	14,160 lbs (6,425 kg)



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