KAGE

EXPERIENCE DRIVEN ATTACHMENTS



ALL SEASON CATALOG





PLOWING FORWARD

KAGE QUALITY GUARANTEE

When you purchase a KAGE product, we want you to be confident you're buying the best equipment possible. We back our products with a 15-day trial guarantee. From the date of delivery, you have 15 days to try out the product, and if you're not satisfied, you can return it - no questions asked. KAGE will reimburse 100% of the purchase and shipping costs.*

BUILDING IT BETTER

If the idea isn't revolutionary or innovative as our company name states, we're not taking the idea far enough. KAGE Innovation invents and manufactures equipment for the professional grounds manager. KAGE's core objective is to offer new products as solutions to common industry setbacks. In short, KAGE is always on the lookout for "the better way."

WHAT'S IMPORTANT

Customers and employees.

KAGE Innovation is run by people, and it serves people. The company was started because of an opportunity that was seized. KAGE Innovation continues to create opportunities for people - both customers and employees alike.

DRIVING NEW IDEAS TO THE INDUSTRY

Have you ever thought, "There just has to be a better way!" Applying our Experience Driven Innovation to conquer those ideas is what we do. Every week new ideas are hashed out, and the ones that make it earn the KAGE stamp for excellence in design.

As our business has flourished, our mindset has not changed. It is still much like when I started out tinkering in my dad's workshop. Persevering until we find the better way, and designing with the end-user in mind. As we grow and the number of KAGE employees grows, our collective vision can be summed up in one sentence; "We want to make it easy for you."

Ours is a timeless industry. Timeless because there has, and always will be, grass to mow, dirt to move, and snow to push. The caveat is that time is of the essence. In this industry the only variable is time, and we all need more of it. Time is expensive, and as labor costs increase, we're pushed to work smarter and faster. It's this void where we seek to make the difference.

"Whatever you do, work heartily, as for the Lord and not for men"
- Colossians 3:23

Mike Stephan
PRESIDENT & FOUNDER



* The money back guarantee reimburses 100% of the purchase & shipping costs. However, all return shipping and shipping arrangements are the responsibilities of the original purchaser.

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LEGEND


Skid Steer/Compact Track Loader


Telehandler



Compact Wheel Loader


Wheel Loader


Loader Backhoe


Compact Tractor


Ag Tractor


Municipal Truck


Utility Work Machine


Commercial Walk-Behind Mower


Zero Turn Mower


Stand-On Mower

SNOWFIRE™/SKID STEER

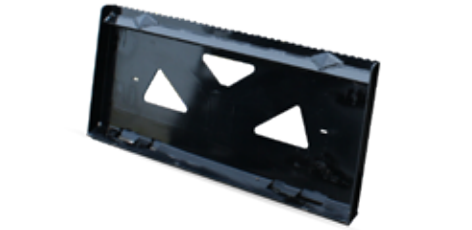
SNOW PLOW SYSTEM PATENT PROTECTED

FOR 4K-15K LB SKID STEERS



Angle, Backdrag, and Contain—The Ultimate 2-in-1 Snow System

Why choose between the agility of an angling plow and the high-volume capacity of a pusher box? The KAGE® SnowFire™ System for skid steers (SBK) combines both into a rugged, multi-use tool that slashes clearing times by up to 50 percent. By seamlessly coupling a heavy-duty highway-class plow with the revolutionary SnowKage™ containment box, operators can adapt instantly to changing property layout demands without ever stepping foot out of the cab.



UNIVERSAL SKID STEER MOUNT

Securely attaches to any modern skid steer in seconds. Then, just connect the hydraulic couplers to the machine auxiliary hydraulics, and you are ready to roll snow.



BOX TO BLADE IN SECONDS

Securely lock the SnowKage™ to the blade completely from inside the cab using simple mechanical cam locks. Transition from pushing to plowing on the fly in about 5 seconds flat.



GRADE 50 MOLDBOARD

Built from heavy-duty 10-gauge Grade 50 steel to handle intense down pressure and extend plow life. The aggressive 65-degree attack angle provides unmatched scraping action through hard-packed snow.



12° BUILT-IN OSCILLATION

Engineered with 12 degrees of moldboard oscillation to allow the plow to track independently of rigid loader arms. The cutting edge follows uneven pavement contours without gouging or skipping.



8-INCH SAFETY TRIP-EDGE

Features a standard 8-inch tall safety trip-edge that trips back 68 degrees to smoothly glide over curbs and hidden obstacles. The robust spring mechanism prevents costly machine and structural damage.



SELF-ADJUSTING POLY SKIDS

Flexible poly skids slide upward under down pressure as the edge wears, keeping pressure on the cutting edge for a clean scrape all season. 10-inch snow catches stop spillage between the blade and box.

SIMPLY GENIUS



SNOWFIRE™

2-IN-1





See Specifications on Page 51

SNOWFIRE™/COMPACTS

FOR 5K-15K LB EQUIPMENT AND 40+ HP TRACTORS

SNOW PLOW SYSTEM PATENT PROTECTED

CWL CLB



2-in-1 Versatility. Maximum Loader and Tractor Efficiency.

Bring commercial-grade snow fighting efficiency to your compact wheel loader or utility tractor. The KAGE® SnowFire™ System eliminates the need for switching attachments mid-storm by pairing a multi-position angle plow with a high-capacity, quick-detachable SnowKage™ box. Engineered to handle the specific power bands and reach of loaders and tractors up to 15,000 lbs and 40+ horsepower, this system lets you windrow, stack, and scoop snow with total structural confidence.



LOADER INTEGRATION (LBK)

Uniquely designed for compact wheel loaders to let the plow float independently over uneven terrain, the floating top link preserves machine steering control and maximizes the scraping ability of the plow.



TRACTOR INTEGRATION (TBK)

Equipped with a proprietary compact tractor hitch designed to pair seamlessly with KAGE® Tractor Undercarriages, this system turns any 40+ HP utility tractor into a highly efficient commercial snow removal weapon.



3-POINT TRACTOR HITCH (KS3P)

Engineered for compact tractors to seamlessly integrate the SnowFire™ system into a standard Category II 3-point setup, this optimizes weight distribution and machine visibility, giving utility tractors commercial-grade clearing power.



HYDRO LOCK COUPLER

Hydraulic clamps secure the SnowKage™ when using tractors without loader arms. Just drop the plow, drive into the box, and flip the switch to lock it instantly.



MULTIPLE CARRIER ATTACHMENTS

This system easily incorporates various hook-and-pin wheel loader configurations or standard universal skid steer attachments to perfectly match your machine.

See page 58 for all attachment options.

Make it **XTREME** with the **AdvantEDGE™** and the **Floating Skids** (page 9)



OVERBUILT BY DESIGN



See Specifications on Pages 52-54

SNOWFIRE™ WING

SNOW PLOW WITH HYDRAULIC WINGS PATENT PENDING

CWL CLB

FOR 5K-15K LB EQUIPMENT AND 40+ HP TRACTORS



Snow, Exactly Where You Want It

The SnowFire™ Wing turns compact machines into snow-moving muscle. Built with self-leveling float and breakaway protection, this 32-inch tall wing plow delivers maximum control with a minimal learning curve. Angle the wings to match the job—straight for wide plowing, angled for windrowing, pulled back for heavy back dragging, or pushed forward for tight containment.

Every position stays down and stays aggressive.
No spillage. No skimming. No skipping. Just clean, efficient snow movement on skid steers, compact wheel loaders, compact tractors, and telehandlers.



180° WING ADJUSTMENT

Position the wings fully forward, fully back, and anywhere in between. Adjust wing angles independently or simultaneously on most machines.



35° ANGLING

Angling capabilities allow you to windrow and direct snow efficiently without bogging down the machine.



POLYURETHANE SKIDS

Flexible poly skids absorb impact and glide safely along curbs without damaging infrastructure.



HEEL & TOE FLOAT

Wing skids float at least 7.2" along the full length to ensure easy leveling, even wear, and clean, curb-to-curb clearing.



CROSSOVER RELIEF

Field adjustable hydraulic crossover reliefs protect wings (1,700 PSI) and moldboard (3,000 PSI), with integrated electric-over-hydraulic controls.



CUTTING EDGE OPTIONS

Choose from High-Carbon Steel, Hardox®, Carbide, or Poly cutting edges—including the advanced AdvantEDGE™ sectional cutting edge system (page 33).



EASY CONTROLS

Flexible 3-button hand controls attach to your joystick or use optional foot controls to easily adjust your wing and plow angles.



CONTROL ADAPTER

Skid steer brand-specific adapters accommodate OEM joystick controls.

CONTINUOUS ADAPTABILITY



7' Road Legal Option Available

See Specifications on Page 55

SNOWFIRE™ XTREME

SNOW PLOW SYSTEM PATENT PROTECTED

CWL CLB

FOR 5K-15K LB EQUIPMENT AND 40+ HP TRACTORS



Maximizing Curb-2-Curb Performance

The KAGE® SnowFire™ Xtreme takes the proven 2-in-1 plow and pusher technology and maximizes its float and scrape capabilities. Engineered for unmatched substrate contouring and maximum surface contact, this heavy-duty system delivers an incredibly clean scrape while providing ultimate protection for infrastructure and your machine.

Available with SBK, TBK, LBK, and 3-pt pivot frames.



XTREME EFFICIENCY

Plow with or without the containment box to windrow, backdrag, push, and stack with a single machine. This eliminates the need for multiple attachments or support equipment on-site.



XTREME CONTOURING

Equipped with KAGE's AdvantEDGE™ sectional cutting edge, a trip-edge, and 12 degrees of built-in moldboard oscillation. This combination ensures constant pavement contact across changing grades.



XTREME BOX FLOAT

These poly skids offer 4¾" to 6" of vertical oscillating float, allowing for flawless clearing right up to the curb line. This allows the steel cutting edge to scrape perfectly clean without the box interfering.



XTREME DURABILITY

Overbuilt by design, the system features a high-strength, tri-form box frame manufactured entirely from Grade 50 steel. The heavy-duty, bolt-together design also allows for fast and easy field maintenance.



XTREME ANGLES

Delivers an industry-leading 35 degrees of power angle alongside an aggressive 65-degree attack angle. The perfectly curved moldboard rolls even the heaviest, wettest snow with absolute ease.



XTREME COMPATIBILITY

The SnowFire™ Xtreme can be used on virtually any compact machine, including skid steers, compact track loaders, tractors, telehandlers and compact wheel loaders.

XTREME PERFORMANCE



SNOWFIRE™ XTREME



TO ORDER CALL 651-433-4628, OR GO ONLINE: KAGEINNOVATION.COM

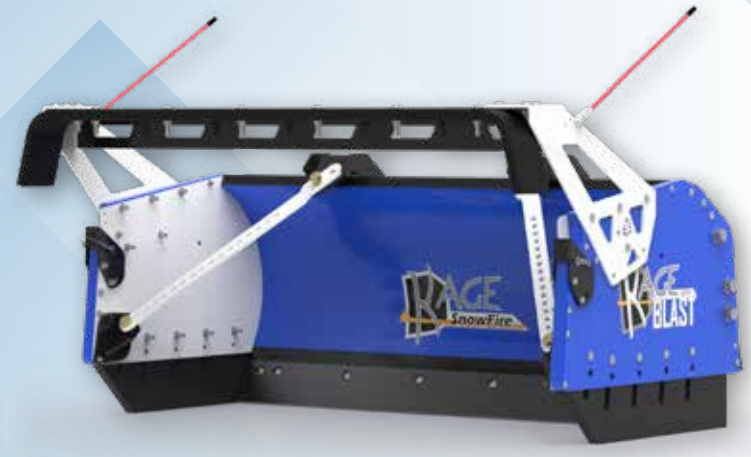
See Specifications on Page 56

SNOWFIRE™ BLAST

SNOW PUSHER

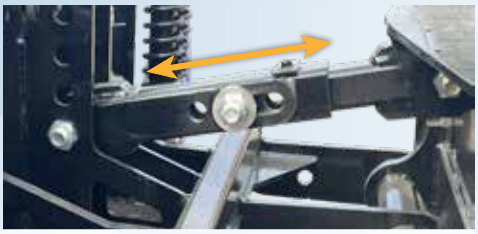
CWL CLB

FOR 5K-15K LB EQUIPMENT AND 40+ HP TRACTORS



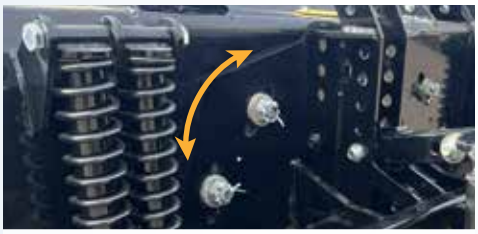
Putting "Simple" into Snow Removal

The KAGE® SnowFire™ BLAST takes the proven strength of our 2-in-1 system and streamlines it into a highly efficient, hydraulic-free, fixed pusher box. Built for an economy where labor and budgets are tight, this feature-rich pusher delivers premium commercial clearing power without the premium price tag. Compare it to the rest of the market, and you will quickly see why no other pushers stack up.



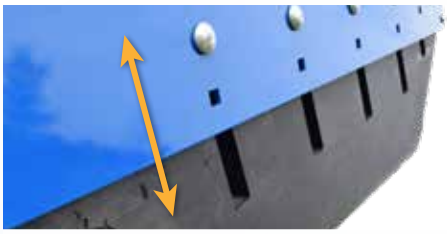
FLOATING TOP LINK

Provides built-in moldboard float that allows the pusher to cleanly scrape hills and valleys. This ensures constant surface pressure without losing machine steering control.



OSCILLATION PLATE

Delivers +/- 6 degrees of heavy-duty moldboard oscillation to dynamically follow uneven ground contours. This tracking prevents uneven pavement gouging and reduces machine stress.



TRUE FLOATING SKIDS

Gives the box sides independent vertical float. This allows the steel cutting edge to maintain uninterrupted contact with the pavement while cleaning up and over curbs.



STEEL TRIP EDGE

Features a full steel trip edge that delivers a significantly cleaner, closer scrape than a traditional rubber edge. This mechanical trip mechanism protects the operator, machine, and infrastructure from hidden obstacles.



FULL POLY OPTION

Pair a heavy-duty 1.5" polyurethane cutting edge with floating poly skids to deliver gentle scraping power on delicate surfaces without scratching, marking, or steel noise. *AdvantEDGE™ options available (page 33).*



OPTIONAL RUBBER BACKDRAG KIT

Mounts directly to the top frame of the pusher box, allowing the operator to tilt the plow forward to pull snow away from obstacles without damaging infrastructure.
Rigid steel cutting edge also available.

SIMPLY SMART INNOVATION



NOT JUSTA DUMB PUSHER

TO ORDER CALL 651-433-4628, OR GO ONLINE: KAGEINNOVATION.COM

See Specifications on Page 57

SNOWSTORM™

SNOW PLOW SYSTEM PATENT PROTECTED

FOR 15K-30K LB EQUIPMENT AND 100+ HP TRACTORS



Ultimate Mid-Sized Containment Power

The KAGE® SnowStorm™ 2-in-1 System is engineered specifically for 15,000- to 30,000-pound wheel loaders, backhoes, and telehandlers, as well as 100+ horsepower agricultural tractors. Featuring a 36-inch-tall moldboard, this commercial-grade system instantly converts from an aggressive angle plow to a high-capacity containment box right from the cab. It eliminates the need for multiple machines on-site, providing the ultimate balance of durability, speed, and heavy-duty scraping efficiency.



36-DEGREE POWER ANGLING

Delivers up to 36 degrees of hydraulic angling to easily windrow deep snow and clear tight corners. The system maintains a full 12 degrees of oscillation at any angle for constant ground contact.



SPLIT 90-DEGREE TRIP EDGE

The two-section trip edge hinges back a full 90 degrees to clear hidden obstacles before snapping back into position. This dual-section design prevents excessive moldboard twisting to protect the operator and machine.



GRADE 50 STEEL MOLDBOARD

Built from high-strength Grade 50 steel and backed by a rigid tri-formed box frame to endure heavy commercial abuse. Every seam is sealed and powder-coated to completely eliminate rust pockets.



IN-CAB HYDRO-LOCK COUPLING

Heavy-duty hydraulic clamps secure the blade to the SnowKage™ box in seconds without the operator leaving the cab. The brackets are engineered with built-in forgiveness for easy hook-up and elimination of cutting edge interference.



UNDER-HITCH UNDERCARRIAGES

Pairs seamlessly with the SnowStorm 2-in-1 plow. Secures to four structural frame points (leaving loader brackets intact) and adds a Category II 3-point front hitch with 12,100+ lbs of lift capacity.



FULL POLY OPTION

Outfit with heavy-duty 1.5-inch polyurethane cutting edge to deliver gentle clearing on sensitive substrates—preventing scratches, gouges, and steel transfer on pavers and stamped concrete.

BUILT TO LAST



AdvantEDGE™ compatible (page 33)

See Specifications on Page 59

SNOWSTORM™ WING

SNOW PLOW SYSTEM PATENT PROTECTED

FOR 15K-30K LB EQUIPMENT AND 100+ HP TRACTORS



Adjust and Dominate Every Push

The KAGE® SnowStorm™ Wing turns 15,000- to 30,000-pound wheel loaders and 100+ horsepower agricultural tractors into serious snow-moving weapons. Featuring a 36-inch-tall, hydraulically controlled moldboard and wing system, it delivers brute-force performance with agile adaptability.

Run it straight for wide-open plowing (up to 22'), angle it to windrow, or pull the wings forward to contain massive amounts of snow. Every position is engineered to stay locked to the pavement through float features—eliminating spillage, skipping, and leakage for a cleaner scrape in fewer passes.



180° WING ADJUSTMENT

Position the wings fully forward, fully back, and anywhere in between. Adjust wing angles independently or simultaneously.



36° ANGLING

Industry-leading angling capacity lets you windrow and direct heavy snow without bogging down.



CURVED MOLDBOARD

7', 10' & 12' center moldboards are curved with 65° attack angle for scraping, rolling snow and reducing drag.



HEEL & TOE FLOAT

Wing skids float at least 6.5" for easy leveling, even wear, and curb-to-curb cleaning while reducing gouging at the heel.



COMPLETE TRIP EDGES

Two-spring trip edge wings and a 4- or 8-spring 90° trip edge center moldboard for safety and maximum snow control. Compatible with all cutting edges.



CROSSOVER RELIEF

Field adjustable hydraulic crossover reliefs protect wings (1,700 PSI) and moldboard (2,500 PSI), with integrated electric-over-hydraulic controls.



EASY CONTROLS

3-button hand controls attach to your joystick or use optional foot controls to easily adjust your wing and plow angles.



TIRE PROTECTION

The optional HydraShield tire protection system automatically keeps wings a safe distance from your tires.

180° WING CONTROL. ZERO LIMITS.



7' Road Legal Option Available

TO ORDER CALL 651-433-4628, OR GO ONLINE: KAGEINNOVATION.COM

See Specifications on Page 60

SNOWSTORM™ BLAST POLY

SNOW PUSHER

FOR 15K-30K LB EQUIPMENT AND 100+ HP TRACTORS



Hydraulic Free, Hassle Free

The KAGE® SnowStorm™ BLAST is a heavy-duty, fixed-side snow pusher engineered for 15,000- to 30,000-pound machines. Built around a 36-inch-tall moldboard and available with an optional full poly footprint package for delicate surface protection, this rugged box pusher completely eliminates hydraulic hoses, cylinders, and valves—removing complex maintenance and mid-job downtime from the equation.

By combining an oscillating slot plate with floating skids and a 90-degree trip edge, the BLAST contours seamlessly over uneven terrain. It delivers flawless, high-capacity containment plowing that is beginner-friendly yet veteran-approved.



FLOATING LOADER ATTACHMENT

Allows the plow and all four wheels of the machine to remain in contact with the substrate when riding over hills and valleys in the plowing surface.



MOLDBOARD OSCILLATION

With 12 degrees of oscillation, the SnowStorm™ BLAST seamlessly follows the side slopes of the ground to provide a cleaner scrape.



TRI-FORMED OUTER BOX

Offering rigidity and strength, the tri-formed outer box sets KAGE aside from modified truck plows by providing a commercial-grade support structure for the plow.



SPLIT STEEL TRIP EDGE

Two steel cutting edge sections trip independently to roll smoothly over curbs and obstacles without losing the load—protecting both operator and equipment from impact.



FLOATING SKIDS

These curb-friendly skids allow at least 4.75" of heel and toe float to clean right up to and over the curb without interference from the skids or the side panel.



ADVANTEDGE™ (OPTIONAL)

The AdvantEDGE™ (page 33) is KAGE's contouring cutting edge with 18" and 24" independently spring-loaded cutting edge sections made with Hardox® steel or carbide.

SIMPLY SMART, BUILT TOUGH



ATTACHMENT OPTIONS

3-Point Hitch

Floating Quick Attach



Bucket Clamps

See Specifications on Page 61

SNOWSTORM™ BLAST STEEL

SNOW PUSHER

FOR 15K-30K LB EQUIPMENT AND 100+ HP TRACTORS



Hydraulic-Free Steel Power

The KAGE® SnowStorm™ BLAST STEEL is a heavy-duty hydraulic-free pusher with floating steel side panels and 3-piece reversible and replaceable steel shoes. Engineered for 15,000- to 30,000-pound machines, this rugged snow pusher replaces standard, rigid sides with a dynamic, mechanical contour system.

Driven by pivot slots, the side panels and skids float independently over changing terrain. This allows the pusher to glide smoothly right up and over curbs without damaging concrete, dropping the snow load, or forcing sudden stops—delivering high-capacity containment built to survive severe curb impacts.



3 ATTACHMENT OPTIONS

Attach to various types of equipment with the 3-point hitch, floating quick attach, and bucket clamp options.



MOLDBOARD OSCILLATION

With 12 degrees of oscillation, the SnowStorm BLAST STEEL seamlessly maintains contact with the substrate - even on side slopes.



FLOATING SIDE PANELS

Curb-accommodating side panels with 21 degrees of built-in heel and toe float let operators scrape clean right against the curb without interference.



3-PIECE STEEL SHOES

Extend the life of your shoes with the 3-piece, Hardox® steel shoes that are reversible with easy bolt-on and off replacement.



90-DEGREE SPLIT TRIP EDGE

Save the operator from impact and protect the machine while keeping the load as the cutting edge rolls over curbs and other obstacles.



ADVANTEDGE™ (OPTIONAL)

KAGE's sectional cutting edge (page 33) contours through independent 18" or 24" cutting edges that oscillate and float. Hardox® or Carbide options available.

HEAVY-DUTY FLOATING STEEL



See Specifications on Page 62

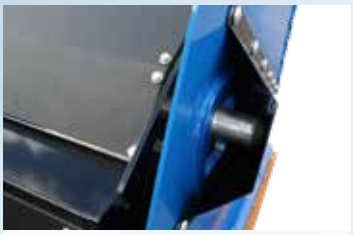
SNOWDOZER™ *SNOW PLOW SYSTEM* PATENT PROTECTED

FOR 30K-50K LB LOADERS AND 300+ HP TRACTORS



Blade and Box: One Slick Combo

The KAGE® SnowDozer™ 2-in-1 System is engineered for 30,000- to 50,000-pound wheel loaders and 300+ horsepower ag tractors. Featuring a massive 48-inch-tall modular moldboard, this system transforms from a high-capacity containment box to a nimble angle plow in under 5 seconds—completely controlled from the cab. Drop the box to windrow or backdrag, then re-engage the hydraulic lock pins to the box to stack massive drifts.



HYDRO LOCK PINS

Hydraulic pins engage oversized pockets for full vertical float and tilt. The box contours freely over uneven terrain, keeping edges flush without pitch adjustments.



MODULAR MOLDBOARD

Custom-configure your ideal clearing width using heavy-duty 24" and 36" steel sections bound together with high-strength 1" bolts for maximum frame rigidity.



HEAVY-DUTY SPRINGS

High-compression springs maintain cutting pressure while allowing trip sections to pass smoothly over curbs and manholes.



SPLIT TRIP EDGES

Independent sectional trip edges absorb hard impacts over obstacles without spilling the trapped snow load.



POLYURETHANE SKIDS

2" thick surface-safe poly skids feature slotted brackets for edge wear adjustments, while a 10" wide rubber catch seals snow inside the box.



CROSSOVER RELIEF

Integrated hydraulic relief valves absorb sudden impact shocks if the angled blade strikes fixed obstacles, protecting the loader arms and plow structure.



ANGLING & OSCILLATION

34° hydraulic angling and 12° oscillation follow road contours seamlessly even while windrowing.



SIMPLE 2-IN-1 DESIGN

Fewer moving parts than traditional wing plows means no delicate linkages, maximum jobsite reliability, and zero unnecessary downtime.

BIG PLOW FOR BIG JOBS





AdvantEDGE™ compatible (page 33)

TO ORDER CALL 651-433-4628, OR GO ONLINE: KAGEINNOVATION.COM

See Specifications on Page 64

SNOWDOZER™ WING

SNOW PLOW SYSTEM PATENT PROTECTED

FOR 30K-50K LB LOADERS AND 300+ HP TRACTORS



Far Beyond "Winging It"

Built for 30,000- to 50,000-pound wheel loaders and 300+ horsepower ag tractors, the KAGE® SnowDozer™ Wing unlocks limitless clearing potential for large-scale operations. Covering clearing widths from 10 to 35 feet with 4-, 5-, and 8.5-foot wing options, this system pairs 34-degree power angling for fast windrowing with infinitely-adjustable wings up to 180 degrees. Built-in self-leveling, vertical float, and advanced breakaway protection ensure an expert scrape without spillage, leakage, or skipping—delivering total control with a remarkably short learning curve.



CONTROL OPTIONS

Simple 3-button controls move wings simultaneously or individually, with an optional foot pedal alternative for effortless hands-free wing operation.



TIGHT FITTING HINGES

Precision hinge points paired with flexible rubber seals eliminate snow leakage between the moldboard and wings for a clean pass.



FLOATING SKIDS

With at least 6.6 inches of vertical float and oscillation, heavy-duty skids ride smoothly over curbs, level quickly, and wear evenly over time.



HYDRAULIC CYLINDERS

Heavy-duty, commercial-grade equal displacement cylinders deliver reliable power in both directions while remaining easy to service and replace.



TRIP EDGE WING

Each wing features a high-compression spring trip edge that flexes back 55 degrees to clear curbs and frozen obstacles without dropping snow.



CROSSOVER RELIEF

Adjustable hydraulic relief valves (preset at 1,700 PSI for wings and 2,500 PSI for the moldboard) absorb severe shock loads to protect the machine.



TUKR WING OPTION

8.5-foot wide wings engineered to reach underneath step-deck trailer kingpins for complete snow removal around parked trailers and dock spaces.



TIRE PROTECTION

The optional HydraShield tire protection system automatically keeps wings a safe distance from your tires.

NOW WE'RE TALKIN



UP TO 35 FEET

INFINITELY ADJUSTABLE

Wing Mode



Wide Mode



Backdrag Mode



Box Mode



TO ORDER CALL 651-433-4628, OR GO ONLINE: KAGEINNOVATION.COM

See Specifications on Page 65

SHADOWBLADE™ *REAR TRACTOR PLOW* PATENT PROTECTED

FOR TRACTORS OVER 9,500 LBS



Rear-Mounted Efficiency

The KAGE® ShadowBlade™ is a patented 3-point rear snow blade that transforms your agricultural tractor into a high-efficiency clearing machine. By pairing this heavy-duty rear blade with a front-mounted plow, you can expand your total clearing path to clear large commercial complexes, municipal roadways, and expansive parking lots in half the time. Controlled entirely from the cab, the ShadowBlade™ allows you to plow, windrow, and wing snow out simultaneously without changing machines.



BIDIRECTIONAL BLADE

Deploy the blade to either side of the tractor with a simple joystick command. This unique reversible design allows you to windrow, bench high banks, or adapt instantly to changing lot layouts.



FLOATING TOP LINK

Features a specialized floating link that provides continuous frame oscillation and 5 inches of vertical travel, allowing the blade to independently track dips, crowns, and changing terrain.



MECHANICAL TRANSPORT LOCK

Folds tightly behind the cab for compact over-the-road transport. A spring-loaded locking plunger physically secures the blade to prevent accidental drops, even during a total hydraulic failure.



PISTON ACCUMULATOR RELIEF

An integrated hydraulic piston accumulator cushions structural impacts. If the blade strikes a hidden obstacle, it safely breaks away backward and automatically resets once clear.



ELEVATED VALVE CIRCUIT

The control block is positioned high on the rear frame, keeping vital hydraulic and electrical components completely clear of compacted slush, flying snow, and corrosive road salt.



WINGLINE™ LASER (OPTIONAL)

Projects a highly visible guide line along the ground to indicate the wing's exact trailing path, helping operators navigate blind spots and avoid obstacles while looking forward.

Full product details available on page 49.

MOVE MOUNTAINS



18" Wing Extension available

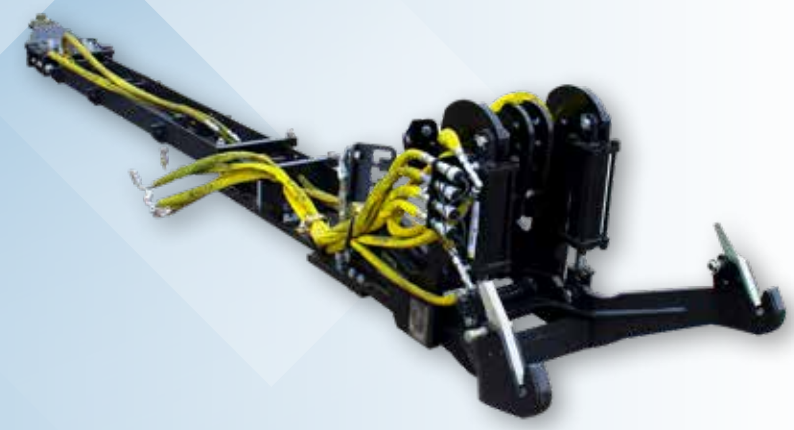
TO ORDER CALL 651-433-4628, OR GO ONLINE: KAGEINNOVATION.COM

See Specifications on Page 67

UNDER-HITCH

UNIVERSAL UNDERCARRIAGE

FOR 35-500 HP TRACTORS



Bringing 3-Point Versatility Forward

The KAGE® Under-Hitch is a universal tractor undercarriage that eliminates the need for expensive, custom-fabricated hitch mounts. Engineered to easily adjust to various tractor makes and models, this heavy-duty subframe brings Category II 3-point hitch capacity straight to the front of your machine. By transferring heavy push forces directly back to the sturdiest parts of the tractor chassis, it unlocks year-round productivity for front plows and attachments without risking front-axle damage.



4-POINT INSTALLATION

Install the Under-Hitch to virtually any tractor in 2-3 hours, bolting it to the bumper, drawbar & 2 side stabilizers.



THREE OPTIONS

The Under-Hitch is available in 12-foot and 8-foot (standard and light duty) length options. Each offers 20" of adjustment.



FRONT 3-POINT HITCH

By adding a 3-point hitch to the front of the tractor, the Under-Hitch allows operators to utilize CAT II attachments.



DIRECT HITCH OPTION

Take away 3-point arms for a direct loader-style quick attach. This shortens the vehicle footprint and pulls the plow closer to the front axle for maximum leverage.



12K-LB LIFT CAPACITY

Equipped with 3.5" bore lift cylinders, it can lift more than 12,100 pounds at 2500 PSI at the 3-point hooks.



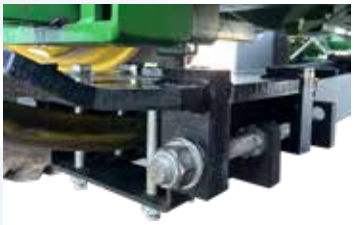
BOOM FRIENDLY

There is no need to remove the boom brackets for loader arms. The Under-Hitch does not interfere with them.



GROUND CLEARANCE

All KAGE Under-Hitch options are designed to provide maximum ground clearance at the center of the tractor.



DRAWBAR SLIDE

The threaded adjustment rod keeps the frame tight to prevent slop and egging out of bolt holes.

KAGE TOUGH



UNIVERSAL UNDERCARRIAGE

For 35 hp to 500 hp tractors



Fits All KAGE Plows

All appropriately-sized KAGE snow plows are compatible with an Under-Hitch system.

See Specifications on Page 68

KAGE® KLAWZ™ *SNOW TIRES*



Unrivaled Winter Grip

KAGE® Klawz™ are heavy-duty skid steer snow tires engineered to transform raw machine horsepower into unstoppable winter traction. By combining a taller, narrower profile with premium MICHELIN® steel radial retread technology, these tires increase downward ground pressure to slice straight through loose snow and grip slick pavement. Sold as a complete, ready-to-mount kit, KAGE® Klawz™ provide superior speed, tighter cornering control, and a significantly smoother ride than conventional bias-ply tires.



MICHELIN® XM+S4 RETREADS

Features a deep, wavy radial tread pattern with open edges that maximizes ice traction, increased diameter increases road speed by up to 18%, and flexes to absorb harsh impacts.



THREE AVAILABLE SIZES

Offered in 225/70R19.5, 245/70R19.5, and 255/70R22.5 configurations to fit a wide range of skid steers.



TREAD-LIFE & RECAP WARRANTY

Backed by a Tread Life Warranty* and fully recappable design. When the tread finally wears, you can easily recap the casing at any Michelin retread dealer near you instead of buying replacement tires.



REINFORCED SOLID-PLATE RIMS

Built around ultra-heavy-duty wheels featuring a full steel plate completely welded around the entire rim to easily withstand extreme commercial pushing torque.



PROTECTED VALVE SYSTEM

Every wheel comes standard with a rugged, welded steel valve stem protector to safeguard against hidden curbs, deep ice blocks, and job site debris.



NARROW PROFILE

The narrow tire width focuses the machine's full weight onto a smaller surface area, maximizing the pounds-per-square-inch to bite down straight through hard-packed snow.

*Michelin Pre-mold Retread Tires are warrantied for the life of the tire, or down to 2/32" which is the legal limit. Search online for a certified Michelin retread tire dealer near you.

LESS SPIN, MORE DRIVE



See Specifications on Page 69

LIQUIDRAGE™

ANTI-ICING SPRAY TECHNOLOGY PATENT PROTECTED





Pre-Treat Faster, Burn Through Less Salt

The KAGE® LiquidRage™ is a liquid sprayer system engineered to transform your skid steer or tractor into an efficient anti-icing applicator without expensive custom adapters. Featuring a fully-enclosed 150-gallon tank, this system fits universal skid steer quick-attaches and Category II 3-point hitches alike.
By pre-treating surfaces with liquid brine, you prevent snow and ice from bonding to pavement, slashing overall salt usage and delivering clean, bare-pavement results in a fraction of the time.



MOUNTING VERSATILITY

Mounts effortlessly to universal skid steer quick attaches and Category II 3-point tractor hitches to maximize year-round equipment utilization.



ENCLOSED PROTECTIVE HOUSING

Protects vital electrical, hydraulic, and pump components inside a heavy-duty frame to shield them from freezing salt spray, debris, and harsh winter elements.



PRECISION 10-FOOT SPRAY

Delivers up to a 10-foot spray width using quick-release nozzles and an adjustable pressure regulator for uniform, high-efficiency coverage across surfaces. *Increase width with optional broadcast nozzles (page 41).*



STAINLESS FLANGE & DRAIN

Features a stainless steel protectant flange and a bottom drain valve to make post-job flushing, maintenance, and off-season storage fast and effortless.



OPTIONAL BRINE MIXER KIT

Equipped with built-in bag-ripper teeth and hydraulic circulation, allowing operators to easily dissolve dry salt and agitate custom brine blends directly inside the tank.



OPTIONAL HOSE REEL & WAND

Features a self-retracting reel, 50-foot hose, and adjustable wand for targeted spot-spraying in tight entryways and walkways. Offers flexible mounting inside or outside the frame for maximum component protection.

LESS ICE, CLEANER SURFACE



UNDER-HITCH COMPATIBLE

Check out its **Summer Applications** on page 41

ADVANTEDGE™

FLEX CUTTING EDGE SYSTEM PATENT PROTECTED



Sectional Scraping Power for Any Plow or Pusher

The KAGE® AdvantEDGE™ brings advanced sectional cutting edge technology to virtually any commercial snow plow or pusher on the market today. Engineered with independent 18" or 24" floating edge sections, this patented system automatically contours to pavement peaks, depressions, and uneven surfaces to scrape down to bare pavement on the first pass. By capturing more snow, the AdvantEDGE™ significantly reduces salt usage, protects surface infrastructure, and lowers operating costs.



DOT/HIGHWAY PUNCH

Brings high-performance sectional cutting edge technology to almost any existing snow plow, box pusher, or wing blade on the market, eliminating the need to purchase an expensive proprietary sectional plow system.



FLOATING EDGE SECTIONS

Built with modular 18" or 24" Hardox® steel or carbide segments that flex independently to follow surface dips, crowns, and asphalt-to-concrete transitions without leaving gaps on uneven pavement.



ENCLOSED SPRING MECHANISM

Houses multiple heavy-duty 120 lb/in die springs inside a fully enclosed front face structure, shielding internal tension components from packed snow, frozen slush, and corrosive de-icing salts.



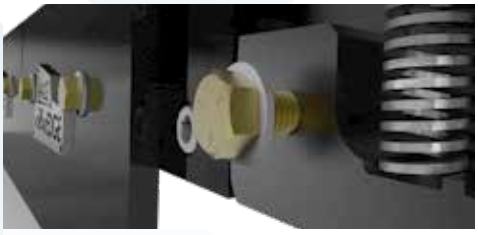
ADJUSTABLE DOWN-PRESSURE

Allows operators to adjust tension settings per section through number of springs, dialing in the perfect balance of aggressive ice scraping without damaging fragile paved surfaces or underground utility covers.



HARDOX® OR CARBIDE OPTIONS

Offers your choice of abrasion-resistant Hardox® or ultra-durable carbide cutting edges, designed with a simple two-bolt attachment system to make in-field edge replacements fast and simple.



UPGRADED 7/8" HARDWARE

Features robust 7/8" bolt sizing to deliver maximum shear strength, preventing hardware failure under the severe impact forces of heavy commercial and municipal plowing.

UNIVERSAL MOUNT





See Specifications on Page 71-72

WHEEL KADDY™ *COMMERCIAL MOWER SULKY*



Smooth Suspension Power for Rough Lawn Terrain

The KAGE® Wheel Kaddy™ is a heavy-duty, two-wheel walk-behind mower sulky built to reduce operator fatigue and eliminate downtime. Engineered with automotive-grade drive components, heavy-duty U-joints, and a Grade 50 steel platform, the Wheel Kaddy line offers a variety of setups—from rigid high-clearance models to spring-suspended and 360-degree pivoting designs.



AUTOMOTIVE-GRADE PARTS

Engineered with tapered roller bearings, drivetrain pivot yokes, and greaseable needle bearings to vastly outlast standard bushing-based sulkies.



ERGONOMIC STEEL PLATFORM

Formed from high-strength Grade 50 steel with an anti-slip finish, a center ridge for side-hill footing, and adjustable pitch angles to fit any mower model.



3-PIECE SPLIT RIM WHEELS

Allows operators to easily service or change tires right in the field using standard tools without visiting a tire shop.



QUICK-RELEASE COUPLER

Mounts and detaches in seconds with no tools required, allowing fast machine swaps or quick conversion back to standard walk-behind operation.



ADJUSTABLE PITCH

Features an integrated pitch adjustment system that lets operators easily dial in the platform angle to match various mower drawbar heights and maximize comfort for the operator.



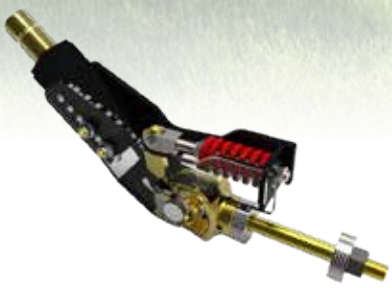
TARGETED TIRE SIZING

Offers extra-large 13-inch tires on the 250 and 500 series for maximum ground clearance and smooth rolling over ruts, or high-density 10-inch tires on the 360 series to allow full 360-degree rotation without arm interference.

COMMERCIAL GRADE









250 SERIES
The Economic Standard

An ultra-durable, low-maintenance sulky that uses oversized 13-inch tires to bridge ruts and curb lines without complex moving parts. It offers high ground clearance and maximum longevity at an accessible price point for everyday commercial mowing.

500 SERIES
The Original

Combines extra-large 13-inch tires with KAGE's patented compression spring suspension to absorb severe bumps and ruts. Ideal for long days on rough turf, it provides maximum operator fatigue relief and unmatched durability.

360 SERIES
Zero-Restriction Maneuverability

Built with compact 10-inch tires and integrated suspension with a platform that rotates a full 360 degrees. This design allows effortless backing up and tight zero-radius turns without jackknifing, scraping, or tearing up delicate turf on intricate properties.

See Specifications on Page 73

KAGE® KATCHER

COMMERCIAL & RESIDENTIAL GRASS CATCHER PATENT PENDING



Making Clean Up Easy

The KAGE® Katcher transforms commercial walk-behind, stand-on, and zero-turn mowers into high-efficiency leaf, grass clipping, and shrub trimming collection machines. Designed with a 400-lb lift capacity electric linear actuator, the system allows operators to empty 5.8 cubic feet of collected debris at the flip of a switch—without stopping or leaving the driver's position. Available in both a heavy-duty full steel model for maximum durability and a steel-reinforced aluminum model for a lighter weight option, the KAGE® Katcher dramatically speeds up spring and fall cleanups while reducing operator fatigue.



ELECTRIC MOTORIZED DUMPING

Powered by an IP65-rated, 400-lb lift capacity electric linear actuator that effortlessly dumps heavy, wet grass and compacted leaves at the push of a button.



FLEXIBLE CONTROL OPTIONS

Includes an ergonomic magnetic switch mount that sticks anywhere on the operator platform, plus a dedicated ZTR handle mount switch for seamless thumb activation while driving.



ON-DEMAND DISPERSAL MODE

Allows operators to leave the catcher door open using the toggle switch, quickly switching between collecting clippings and dispersing them evenly.



HIGH-CLEARANCE DESIGN

The KAGE® Katcher's angled design allows the operator to easily ride over curbs, slopes, and ditches.



TOOL-FREE SERVICE ACCESS

Features a quick-release hinge system that gives instant access to the actuator and inner compartment without requiring hand tools.



QUICK-CONNECT HARNESS

The quick-connect plug is the fastest and easiest way to disconnect your wiring harness from the basket. This allows the operator to leave the wiring harness on the mower and remove the grass catcher.

MOTORIZED DUMPING



THE KAGE ADVANTAGE

The KAGE® Katcher is compatible with a wide range of mower styles and brands. This versatile grass catcher lets operators collect and dump leaves, clippings, and hedge trimmings on the go. Simply flip the rocker switch to activate the electric dump mechanism, or leave the door open to disperse clippings without collecting. By eliminating manual dumping, this system reduces fatigue and keeps operators focused on cutting.



See Specifications on Page 74

GRASS DEFLECTOR

LAWN MOWER GRASS DEFLECTOR



Motorized Grass Deflector

The KAGE® Motorized Grass Deflector gives lawn care professionals complete, on-the-fly control over discharge clippings without ever leaving the operator's position.

Driven by an electric actuator, the flap adjusts seamlessly anywhere along an infinite range—from fully closed near flower beds, windows, and parked cars, to completely folded back onto the mower deck for tight clearance under trees and obstacles.

Built with a heavy-duty steel frame, a protective breakaway torsion spring, and a plastic flap (standard) or heavy-duty aluminum flap (optional), it installs quickly and prevents costly property damage.



BREAKAWAY TORSION SPRING

Protects all components by allowing the deflector flap to yield upon striking immovable obstacles like rocks or fence posts, while maintaining firm down-pressure when closed to stop stray clippings.



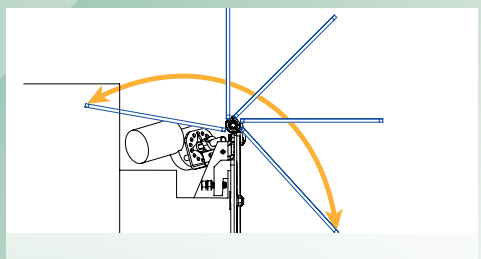
FULLY-ADJUSTABLE FLAP

Allows operators to dial in the exact opening angle required—from fully open for broad dispersal, to partially open for perimeter trimming, to completely sealed against mulch or rock beds.



UNIVERSAL MOUNT OPTION

Features fixed brand-specific or dual magnetic mounting manifold options that adjust for height and depth, securing firmly to nearly any commercial walk-behind, stand-on, or zero-turn mower deck without custom brackets.



UP TO 260-DEGREE PIVOT

Folds completely back onto the top of larger mower decks, allowing the machine to pass underneath low-hanging branches and hedge lines without catching or tearing foliage.



ERGONOMIC SWITCH MOUNT

Equipped with an easily adjustable magnetic or ZTR handle switch mount, the KAGE® Grass Deflector adjusts on the fly to the operator's preference.



QUICK-RELEASE WIRE HARNESS

Uses a quick-disconnect wiring harness that plugs and unplugs in seconds, fully cross-compatible with the KAGE® Katcher system without wiring changes.

SIMPLE AND EASY





See Specifications on Page 75

LIQUIDRAGE™ *ANTI-ICING SPRAY TECHNOLOGY* PATENT PROTECTED





Year-Round Utility Unmatched Summer Application

The KAGE® LiquidRage™ transitions seamlessly from winter anti-icing to an efficient, summer liquid application system. Compatible with skid steers, tractors, mini loaders, toolcats, and telehandlers, it allows you to utilize your carrier equipment year-round for broadleaf weed control, turf maintenance, dust suppression, and IPM applications. Powered by high-pressure hydraulics rather than weak 12V pumps, the LiquidRage™ delivers consistent, high-volume spray coverage across large properties and tight spaces alike.



MOUNTING VERSATILITY

Mounts effortlessly to universal skid steer quick attaches and Category II 3-point tractor hitches to maximize year-round equipment utilization.



RAPID SEASONAL CHANGEOVER

Swaps effortlessly between winter anti-icing and summer turf configurations in minutes, maximizing year-round equipment ROI with minimal seasonal downtime.



HYDRAULIC PUMP POWER

Driven directly by the machine's auxiliary hydraulics to deliver high-volume, high-pressure output without the flow limitations, power drops, or frequent motor burnouts common with 12V and PTO pumps.



INTEGRATED RECIRCULATION

Features a continuous hydraulic agitation system that keeps liquid chemicals, fertilizers, and heavy herbicides perfectly mixed without settling, ensuring consistent application rates from start to finish.



OPTIONAL HOSE REEL & WAND

An optional 50-foot hose and adjustable spray wand for targeted spot-treating around fence lines, trees, and walkways.



OPTIONAL BROADCAST NOZZLE KIT

Features outward-facing fan nozzles that expand spray width up to 30 feet for fast weed control and dust suppression. Controlled via cab switches with solenoid valves to toggle each side independently.

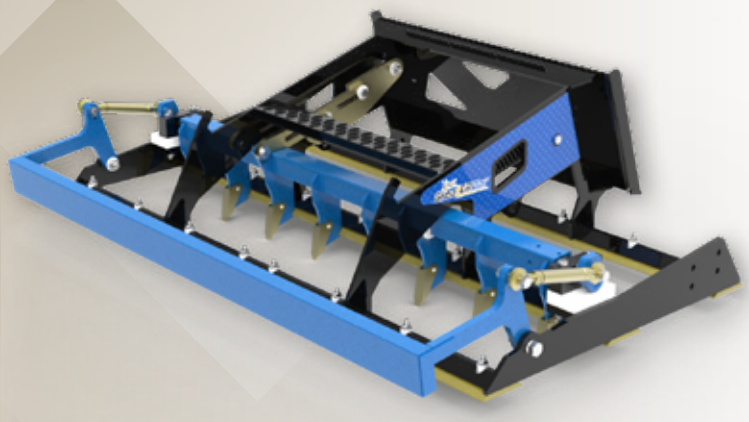
BEYOND DE-ICING



See Specifications on Page 70

GREATER BAR™

GREATER BAR™ SYSTEM PATENT PROTECTED



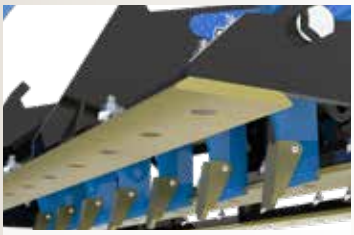
Groundbreaking Design

The KAGE® GreatER Bar™ is a heavy-duty skid steer land plane designed to flatten high spots, fill depressions, and prep soil in a fraction of the time. Available in 4-foot, 6-foot, and 7-foot widths for landscape construction, gravel driveway maintenance, athletic fields, and road grading, it features a patented mechanical lever system that deploys scarifier teeth mechanically without requiring extra hydraulic valves or manual pin adjustments. Engineered with extreme-duty Hardox® steel components and replaceable dual cutting edges, the GreatER Bar™ delivers ultimate durability for punishing ground engagement.



QUICK-RIP TEETH

Automatically lock downward to break up hardpack when driving forward, then pivot upward to float and feather smooth soil when backing up in reverse.



REPLACEABLE BOLT-ON CUTTING EDGE

The cutting edges are easily replaceable for simple maintenance, and they increase the longevity of the GreatER Bar™ frame.



HEAVY-DUTY COMPONENTS

Key mechanical wear points are constructed from ultra-tough Hardox® steel, while reinforced corner gussets provide an overbuilt frame that resists twisting and heavy impact.



SPRING-LOADED RIPPER BAR

Mechanically deploys teeth without relying on extra hydraulics, eliminating failure points while securely stowing and locking teeth up and out of the way when deactivated.



THE ULTIMATE LAND PLANE



TO ORDER CALL 651-433-4628, OR GO ONLINE: KAGEINNOVATION.COM

See Specifications on Page 77

SNOW MANAGEMENT





SNOW STAKE SYSTEM

STAY ON TRACK ALL SEASON

KAGE developed the Pounder & Quiver Kit to address the shortcomings of conventional snow stake tools. The KAGE Pounder punches a clean, precise hole for marker stakes using a 3 lb. slide hammer that drives through frozen soil, tough ground, and compacted road-base gravel.

Replacement tips are available and store conveniently inside the pounder handle.

The Quiver is built from high-quality nylon and holds up to 120 stakes up to 36" long. Secure it comfortably to your leg and waist or carry it on your back using two 2"-wide straps with industrial-strength buckles.

Made from a durable polymer blend, KAGE Snow Stakes spring back immediately after impact—even in sub-zero temperatures. Available in 26", 32", and 36" lengths.



BUDDY STRAP

MINIMIZE BACK STRAIN

The Buddy Strap transforms standard shoveling from a back-breaking chore into an ergonomic advantage. Featuring a universal shovel-assist loop, it upgrades any D-handled snow shovel in minutes—saving time, money, and lumbar strain.

Attach the strap to sling your shovel over your shoulder for hands-free transport. Built for high-speed commercial applications, the quick one-handed design allows fast on-and-off access while working.

The strap folds flat without interfering with shovel stacking or storage. Constructed from heavy-duty seatbelt material with reinforced stitching and grommets, it resists tearing, abuse, and harsh weather.



A TOOL FOR ANY JOB







POLY ROTOR PADDLES

KICK MORE SNOW... LONGER

Single-stage snow blowers are essential tools for commercial snow crews, but frequent paddle and scraper bar replacements take a toll on maintenance time. Compared to traditional rubber paddles, KAGE Poly Rotor Paddles last up to four times longer, produce a cleaner wear edge, and cost the same price.

As the paddle wears, KAGE Poly Rotor Paddles hold a sharp, rigid edge with no fraying—cutting all the way down to the pavement for maximum clearing efficiency.



Available for Toro® 21" blowers

SNOWBLAZE SHOVEL

CLEAR SNOW MORE EFFICIENTLY

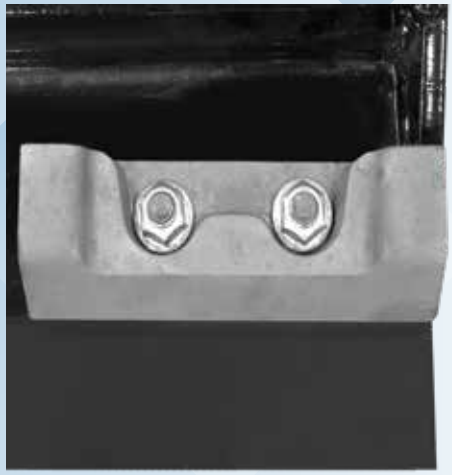


The SnowBlaze revolutionizes how commercial contractors and homeowners tackle heavy snow buildup. Clearing long stretches of sidewalks and driveways is fast and efficient when you can "windrow" snow—plowing material forward and off to one side in a single pass while controlling spillover.

When windrowing, the integrated Flip-Stick engages with a simple click, then tucks cleanly out of the way when pushing, back-dragging, or lifting snow normally.

The SnowBlaze features an aluminum backing bar that prevents blade bowing, supporting an easily removable and replaceable cutting edge available in steel or poly.

PLOW ACCESSORIES







CURB GUARD KIT

PROTECT PLOW CORNERS

The optional Curb Guard Kit reduces wear on the outer ends of your trip edge. Clean curb lines are crucial to your clients, but keeping them clear shouldn't destroy your plow in the process. KAGE Curb Guards are sold as a pair and engineered from Grade 3 Austempered Ductile Iron (ADI)—a high-performance, heat-treated cast iron. Plus, their reversible design lets you flip them over for double the wear life.



Check out the **AdvantEDGE™** on page 33

TENSION SPRING

INCREASE TRIP TENSION

Internal tension springs insert directly inside the standard spring tubes of the SnowFire™ plow system. They increase trip-edge resistance, allowing the plow to push through heavy, wet snow without tripping prematurely. To ensure even, consistent tripping action across the entire blade, tension springs should always be installed in equal quantities and mirrored placements on both sides.

BACK DRAG FIN KIT

CLEANER BACKDRAG PULLS

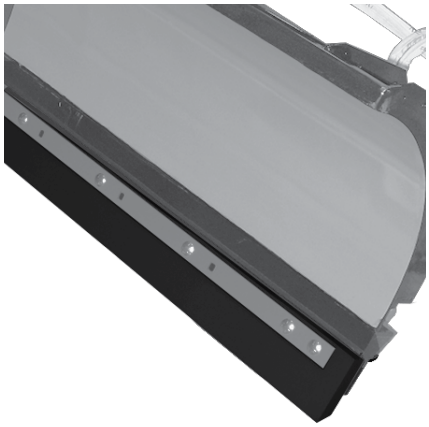
Manufactured exclusively by KAGE Innovation, the Poly Back Drag Fin Kit attaches directly to any standard 6" to 8" tall snow plow cutting edge with a highway punch pattern. Weighing just 10 lbs, the flexible polyurethane catches create a lip behind the blade that holds in snow dribble when pulling away from garage doors, loading docks, and curbs—dramatically reducing the number of cleanup passes required.

Constructed from KAGE's uniquely blended, heavy-duty polyurethane material, this kit withstands severe abuse and flexes when catching obstacles or angling against curbs, offering far greater durability and wear life than traditional rubber edges.

(Note: For the SnowFire BLAST, a dedicated top-mounted backdrag cutting edge kit is available separately.)

UPGRADE YOUR PLOW







CUTTING EDGE LIFE EXTENDERS

EXTEND YOUR EDGE LIFE

Install these carbide edge life extenders at the outer ends and center section of your plow blade to dramatically increase overall cutting edge longevity. Sold in complete kits, each set includes the heavy-duty carbide wear pads along with replacement mounting bolts and locknuts for a seamless upgrade.



POLYURETHANE CUTTING EDGE

SURFACE SAFE

The Polyurethane Cutting Edge is essential when plowing delicate surfaces like decorative concrete, pavers, or fresh sealcoating. KAGE's proprietary polyurethane blend outlasts standard rubber—and even steel in certain applications—without scraping or marking sensitive surfaces.

Featuring a thick 1.5" profile and 6" height, these pre-drilled edges are fully compatible with KAGE® SnowFire™ and SnowStorm™ systems, and are available in standard lengths from 4.5 to 10 feet to match your plow size. An optional installation kit includes a steel support backing plate and extended carriage bolts for quick, secure mounting.

PLOW GUIDE

HIGH-VISIBILITY MARKERS

High-visibility plow guides keep you on track during operation while helping prevent accidental damage to curbs, landscaping, and property markers. These brightly colored markers are highly flexible, easy to swap out, and universally compatible with all KAGE® plow systems.

Ask about our
FLOAT INDICATOR

WINGLINE™ *LASER GUIDE*



Guide the Edge

The KAGE WingLine™ Laser Guide boosts operator safety, accuracy, and confidence by projecting a bright green laser line that shows exactly where wing plows, tractor implements, trailers, and oversized loads will track.

Mounted inside the cab, the system reduces neck strain, improves visibility, and helps prevent costly damage to mailboxes, curbs, signs, and parked vehicles. With corrosion-resistant IP67 connections, automatic deployment activation, and year-round versatility, the WingLine™ is built for municipal, agricultural, and trucking applications.



IN-CAB MOUNTING

Mounts securely to the inside of the windshield using a heavy-duty RAM suction cup, keeping the optics warm and clear of snow, slush, and salt spray without needing complex lens heaters or air-blast modules.



HIGH-VISIBILITY CLASS IIIR LASER

Emits a bright green laser line—the easiest color wavelength for the human eye to see—projecting a crisp path up to 90 feet ahead while remaining eye-safe for accidental exposure.



QUICK 45-MINUTE SETUP

Ships as a complete kit with a 30-foot activation cable, 12-foot in-cab wire, anti-glare tube, and a dual-power harness that can be hardwired or plugged directly into a standard 12V accessory socket.



AUTOMATIC WING ACTIVATION

Integrates an IP67-rated limit switch on the wing cylinder that automatically turns the laser on when the plow is deployed and off when stowed, providing an instant visual safety reminder.



ANTI-REFRACTION HOUSING

Features an integrated, customizable anti-refraction tube that seals against the glass to prevent internal windshield glare, reflection, or operator eye distraction at night.



YEAR-ROUND UTILITY

Works seamlessly beyond municipal plow trucks, providing precise boundary guidance for agricultural tractors, seeders, sprayers, and extra-wide trailer loads.

UNIVERSAL MOUNT





THE COMPLETE KIT is easy to install in about 45 minutes and comes with everything needed to install. The kit can be powered by 12V accessory plugs or hardwired.

- High Visibility Laser with 12' of In-Cab Cable
- Dual Suction Fully Adjustable RAM Mount
- Wing Plow Activation Limit Lever Sensor
- 30' Wing Plow Limit Switch Cable
- Manual On/Off Switch
- 12v Power Supply Adapter
- Anti-Refraction Tube
- Mounting Hardware
- Assembly & Installation Instructions
- Class IIIR Laser (Safe for Accidental Eye Exposure)

TO ORDER CALL 651-433-4628, OR GO ONLINE: KAGEINNOVATION.COM

See Specifications on Page 43

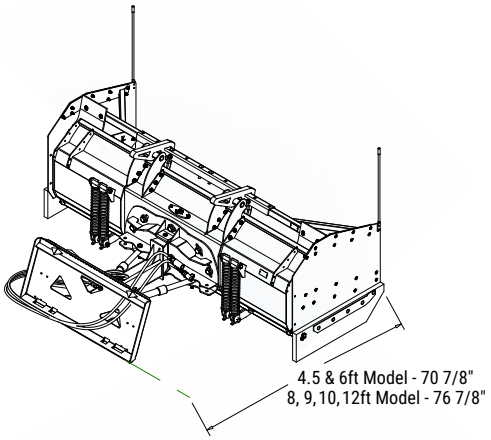
SNOWFIRE™ SKID STEER SPECS

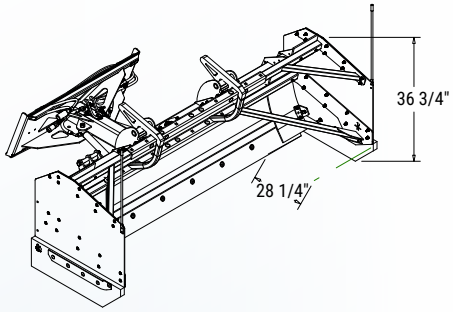
SNOWFIRE™ SYSTEM FOR SKID STEERS (SBK)

For Machines Weighing 5,000 lbs.	SBK54	SBK72	SBK84	SBK96	SBK108	SBK120	SBK144
Total Weight (Blade & Box)	1,188 lbs.	1,450 lbs.	1,660 lbs.	1,740 lbs.	1,830 lbs.	1,905 lbs.	2,157 lbs.

SNOWBLADE

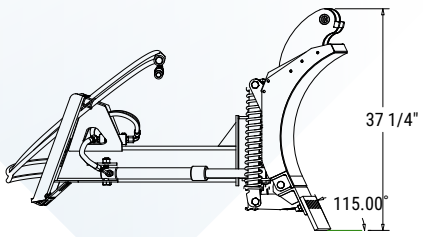
For Machines Weighing 5,000 lbs.	SB54	SB72	SB84	SB96	SB108	SB120	SB144
Blade Width	4.5'	6'	7'	8'	9'	10'	12'
Blade Width at Full Angle	51"	59"	69"	79"	88 1/2"	98 1/4"	125"
Oscillation (Degrees/Inch) Each End	6° / 5 1/2"	6° / 7 1/2"	6° / 8 3/4"	6° / 10"	6° / 11 1/4"	6°/12 1/2"	6° / 15"
Moldboard Radius	15 1/2"						
Moldboard Gauge/Steel Grade	10 Ga. / Grade 50						
Universal Skid Steer Attachment	Standard						
Compression Trip Springs	4						8
Machine Size Recommendation	3,000 +	5,000 +	5,500 +	6,000 +	6,500 +	7,000 +	9,000 +
Cutting Edge	5/8" x 6" High Carbon						
Pivot Frame Length	Shortened (25")		Standard Length (34.3")				
Cross-Over Relief Valve	Standard						
Weight	822 lbs.	1,100 lbs.	1,180 lbs.	1,260 lbs.	1,340 lbs.	1,420 lbs.	1,541 lbs.
Cylinders	1 1/2" Rod						2" Rod
Blade Height	31 1/8"						

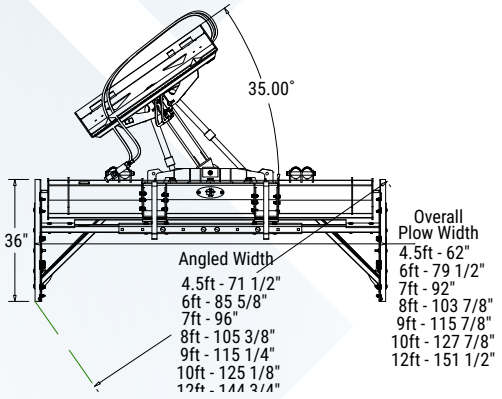




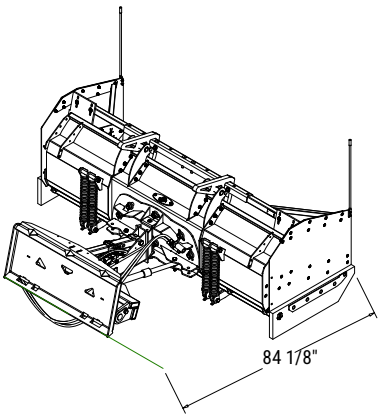
SNOWKAGE

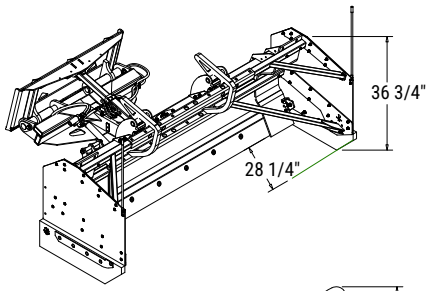
For Machines Weighing 5,000 lbs.	SK54	SK72	SK84	SK96	SK108	SK120	SK144
Overall Height	37 1/4"						
Overall Width	62"	79 1/2"	92"	103 7/8"	115 7/8"	127 7/8"	151 1/2"
Replacement Side Panels	Yes						
Hook Thickness (Skid Steer Only)	1 1/2"						
Replacement Polyurethane Skids	Yes						
Unit Weight	366 lbs.	366 lbs.	442 lbs.	442 lbs.	442 lbs.	442 lbs.	477 lbs.
Machine Size Recommendation	3,000 +	5,000 +	5,500 +	6,000 +	6,500 +	7,000 +	9,000 +
Overall Width at 35° Angle	71 1/2"	85 5/8"	96"	105 3/8"	115 1/4"	125 1/8"	144 3/4"

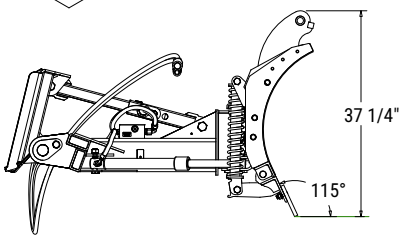


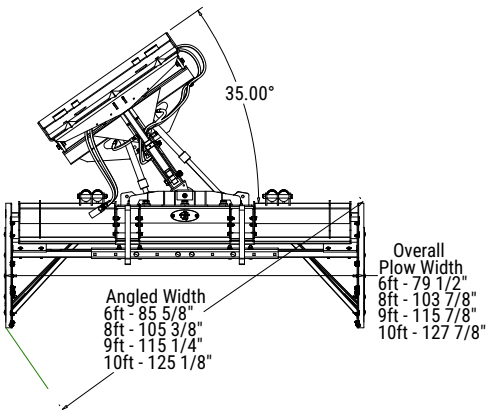


SNOWFIRE™ LOADER SPECS









SNOWFIRE™ SYSTEM FOR COMPACT LOADERS (LBK)

For Machines Weighing 5,000 lbs.	LBK72	LBK84	LBK96	LBK108	LBK120	LBK144
Total Weight (Blade & Box)	1650 lbs.	1,815 lbs.	1,930 lbs.	2,075 lbs.	2,100 lbs.	2,430 lbs.

SNOWBLADE

For Machines Weighing 5,000 lbs.	LB72	LB84	LB96	LB108	LB120	LB144
Blade Width	6'	7'	8'	9'	10'	12'
Blade Width at Full Angle	59"	69"	79"	88 1/2"	98 1/4"	125"
Oscillation (Degrees/Inch) Each End	6° / 7 1/2"	6° / 8 3/4"	6° / 10"	6°/11 1/4"	6°/12 1/2"	6°/15"
Moldboard Radius	15 1/2"					
Moldboard Gauge/Steel Grade	10 Ga. / Grade 50					
Compression Trip Springs	4					8
Machine Size Recommendation	5,000 +	5,500 +	6,000 +	6,500 +	7,000 +	9,000 +
Cutting Edge	5/8" x 6" High Carbon					
Pivot Frame Length	41.6"					
Cross-Over Relief Valve	Standard					
Weight	1284 lbs.	1,373 lbs.	1,488 lbs.	1,633 lbs.	1658 lbs.	1953 lbs.
Cylinders	1 1/2" Rod					2" Rod
Blade Height	31 1/8"					

SNOWKAGE

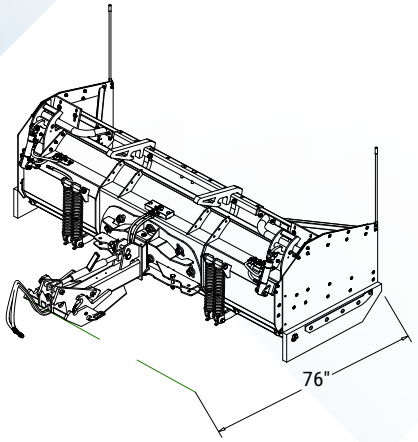
For Machines Weighing 5,000 lbs.	SK72	SK84	SK96	SK108	SK120	SK144
Overall Height	37 1/4"					
Overall Width	79 1/2"	92"	103 7/8"	115 7/8"	127 7/8"	151 1/2"
Replacement Side Panels	Yes					
Hook Thickness (Skid Steer Only)	1-1/2"					
Replacement Polyurethane Skids	Yes					
Unit Weight	366 lbs.	442 lbs.	442 lbs.	442 lbs.	442 lbs.	477 lbs.
Machine Size Recommendation	3,000 +	5,000 +	6,000 +	6,500 +	7,000 +	9,000 +
Overall Width at 35° Angle	85 5/8"	96"	105 3/8"	115 1/4"	125 1/8"	144 3/4"

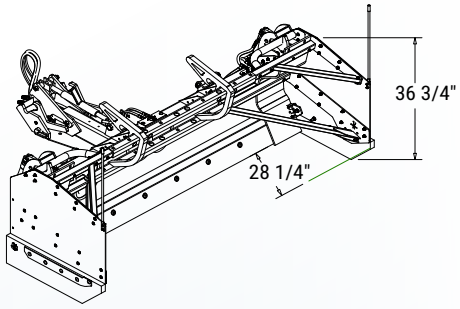
SNOWFIRE™ TRACTOR SPECS

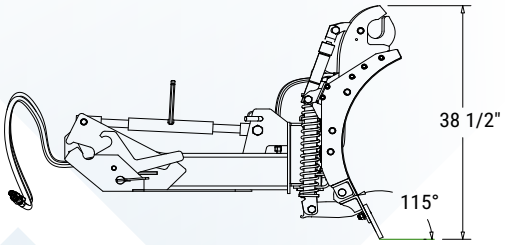
SNOWFIRE™ SYSTEM FOR COMPACT TRACTORS (TBK)					
For 30+ HP Tractors	TB72	TB84	TB96	TB108	TB120
Total Weight (Blade & Box)	1,480 lbs.	1,690 lbs.	1,770 lbs.	1,860 lbs.	1,935 lbs.

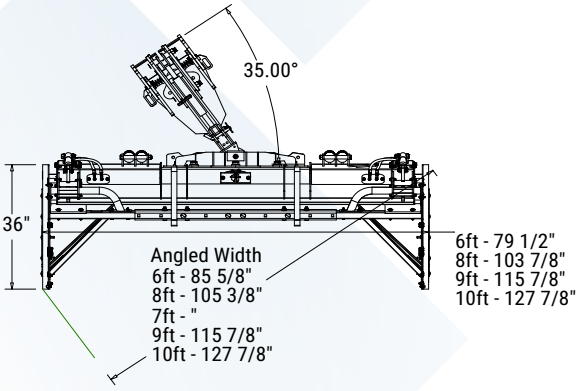
SNOWBLADE					
For 30+ HP Tractors	TB72	TB84	TB96	TB108	TB120
Blade Width	6'	7'	8'	9'	10'
Blade Width at Full Angle	59"	69"	79"	88 1/2"	98 1/4"
Oscillation (Degrees/Inch) Each End	6° / 7 1/2"	6° / 8 3/4"	6° / 10"	6°/11 1/4"	6°/12 1/2"
Moldboard Radius	15 1/2"				
Moldboard Gauge/Steel Grade	10 Ga. / Grade 50				
Compression Trip Springs	4				
Machine Size Recommendation	30+ HP	40+ HP	40+ HP	50+ HP	60+ HP
Cutting Edge	5/8" x 6" High Carbon				
Pivot Frame Length	34"				
Cross-Over Relief Valve	Standard				
Weight	1,130 lbs.	1,210 lbs.	1,290 lbs.	1,370 lbs.	1,420 lbs.
Cylinders	1 1/2" Rod				
Blade Height	31 1/8"				

SNOWKAGE					
For 30+ HP Tractors	SK72	SK84	SK96	SK108	SK120
Overall Height	38 1/2"				
Overall Width	79 1/2"	92"	103 7/8"	115 7/8"	127 7/8"
Replacement Side Panels	Yes				
Hook Thickness (Skid Steer Only)	1-1/2"				
Replacement Polyurethane Skids	Yes				
Unit Weight	350 lbs.	480 lbs.	480 lbs.	480 lbs.	480 lbs.
Machine Size Recommendation	30+ HP	40+ HP	40+ HP	50+ HP	60+ HP
Overall Width at 35° Angle	85 5/8"	96"	105 3/8"	115 7/8"	127 7/8"

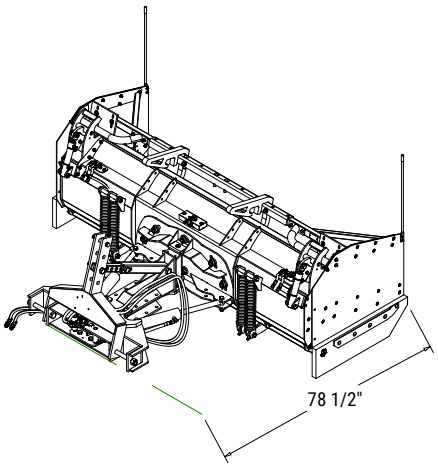


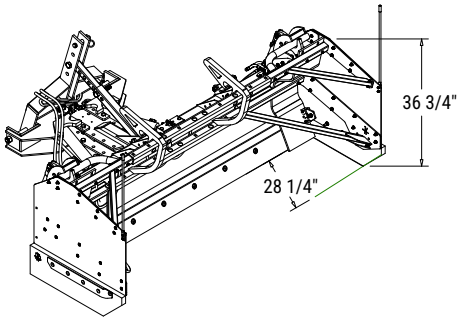


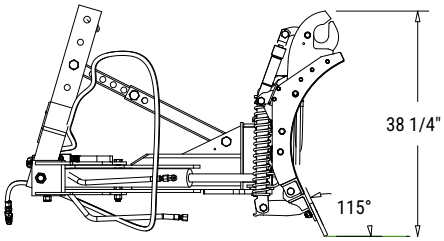


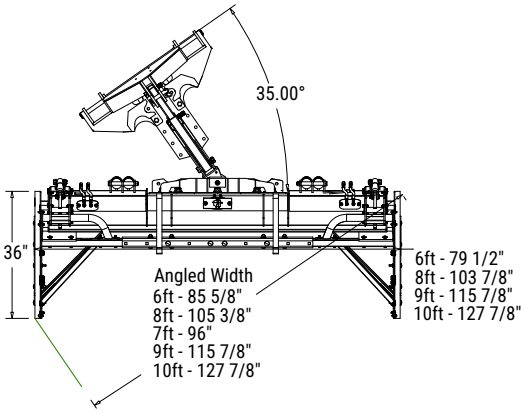


SNOWFIRE™ 3-PT HITCH SPECS









SNOWFIRE™ SYSTEM FOR 3-PT HITCH (KS3P)

For 40+ HP Tractors	KS3P96	KS3P108	KS3P120	KS3P144
Total Weight (Blade & Box)	1,935 lbs.	2,025 lbs.	2,130 lbs.	2,230 lbs.

SNOWBLADE

For 40+ HP Tractors	KB3P96	KB3P108	KB3P120	KB3P144
Blade Width	8'	9'	10'	12'
Blade Width at Full Angle	79"	88 1/2"	98 1/4"	125"
Oscillation (Degrees/Inch) Each End	6° / 10"	6°/11 1/4"	6°/12 1/2"	6°/15"
Moldboard Radius	15 1/2"			
Moldboard Gauge/Steel Grade	10 Ga. / Grade 50			
Compression Trip Springs	4			8
Machine Size Recommendation	40+ HP	50+ HP	60+ HP	75+ HP
Cutting Edge	5/8" x 6" High Carbon			
Pivot Frame Length	Standard Length (34.3")			
Cross-Over Relief Valve	Standard			
Weight	1,445 lbs.	1,545 lbs.	1,650 lbs.	1,750 lbs.
Cylinders	1 1/2" Rod			2" Rod
Blade Height	31 1/8"			

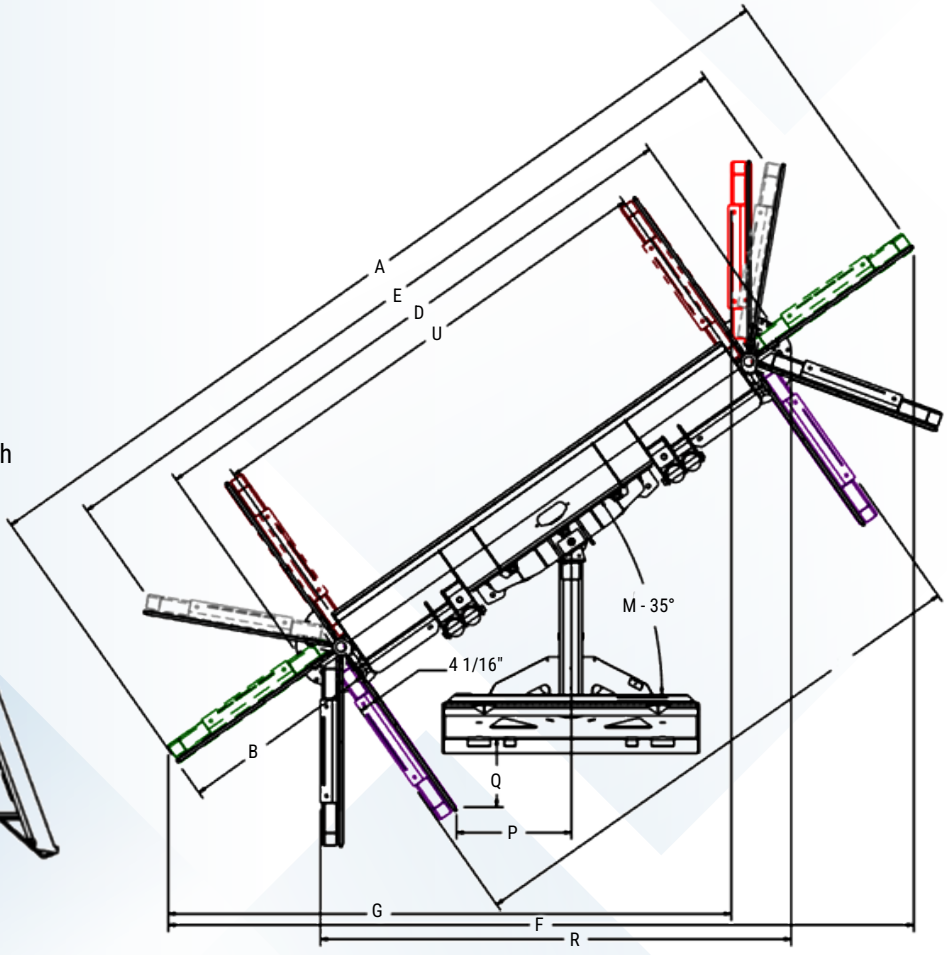
SNOWKAGE

For 40+ HP Tractors	SK96	SK108	SK120	SK144
Overall Height	36 3/4"			
Overall Width	103 7/8"	115 7/8"	127 7/8"	151 1/2"
Replacement Side Panels	Yes			
Hook Thickness (Skid Steer Only)	1 1/2"			
Replacement Polyurethane Skids	Yes			
Unit Weight	480 lbs.	480 lbs.	480 lbs.	480 lbs.
Machine Size Recommendation	40+ HP	50+ HP	60+ HP	75+ HP
Overall Width at 35° Angle	105 3/8"	115 1/4"	128 1/8"	144 3/4"

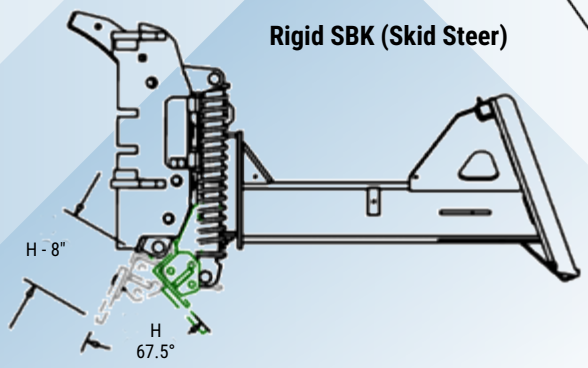
SNOWFIRE™ WING SPECS

SNOWFIRE™ WING											
For 5,000-15,000 lbs Machines	SBK0713	SBK0814	SBK0915	SBK1016	LBK0814	LBK0915	LBK1016	LBK1218	KS3P0915	KS3P1016	KS3P1218
Weight	1,713 lbs.	1,798 lbs.	1,883 lbs.	1,968 lbs.	2,102 lbs.	2,362 lbs.	2,622 lbs.	2,882 lbs.	2,352 lbs.	2,612 lbs.	2,872 lbs.
Compression Trip Springs	4	4	4	4	4	4	4	8	4	4	8
Wire Harness/Controls	Joystick w/Adapter	Joystick w/Adapter	Joystick w/Adapter	Joystick w/Adapter	KAGE 3-Button or Foot Pedal	KAGE 3-Button or Foot Pedal	KAGE 3-Button or Foot Pedal	KAGE 3-Button or Foot Pedal	Tractor Auxiliary	Tractor Auxiliary	Tractor Auxiliary
Machine Coupler	Skid Steer	Skid Steer	Skid Steer	Skid Steer	Any Quick Attach	Any Quick Attach	Any Quick Attach	Any Quick Attach	CAT II 3-PT Hitch	CAT II 3PT Hitch	CAT II 3PT Hitch

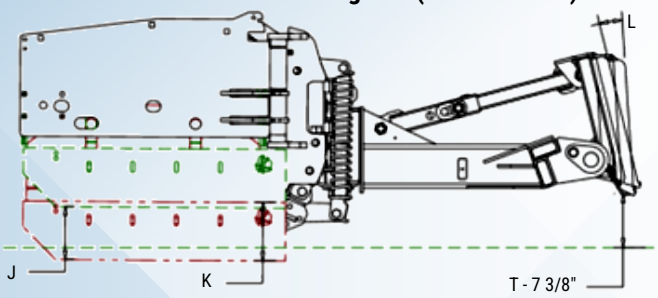
- A - 158.4-218.4" Max Plow Width
- B - 35.3" Wing Length
- C - 95.1-155.1" Minimum Width
- D - 101-161.9" Boxing Width
- E - 132-192" Scoop Width @ 45°
- F - 131.5-180.2" Full Angle Width Max
- G - 98.2-147.3" Windrow Mode Width
- H - 67.5°/8" Trip Edge
- I - 4" Wing Thickness
- J - 7.2" Toe Float
- K - 8" Heel Float
- L - 9°/8" Plow Float
- M - 35° Max Plow Angle
- N - 6° Plow Oscillation/Side
- O - 29.5-38.9" Distance From Carrier
- P - 20.1-44.7" Tire Interference Point
- Q - 12.7-29.9" Tire Interference Point
- R - 82.7-131.8" Overall Minimum Angled Width
- S - 31.2" Moldboard Height
- T - 7.3" Attachment Distance From Ground
- U - 84-144" Main Moldboard Width

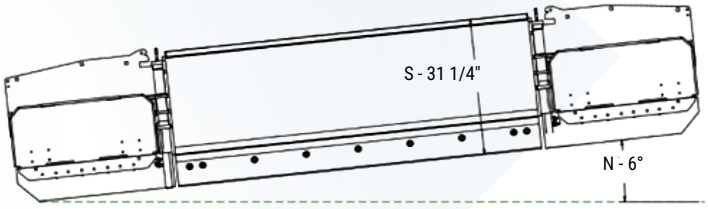


Rigid SBK (Skid Steer)



Floating LBK (Wheel Loader)

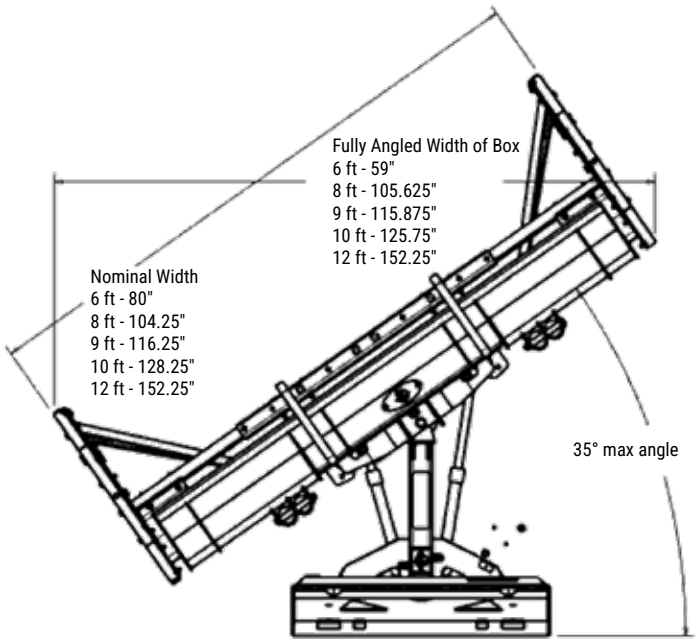


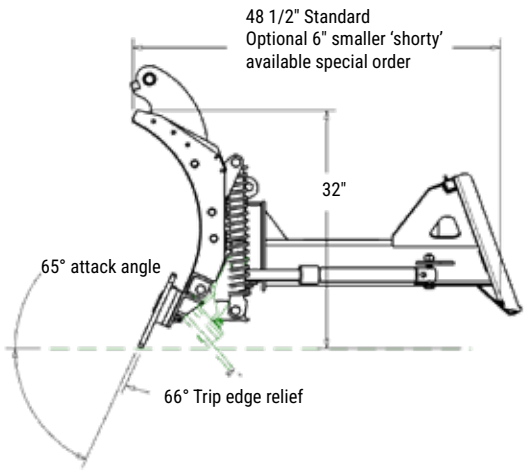


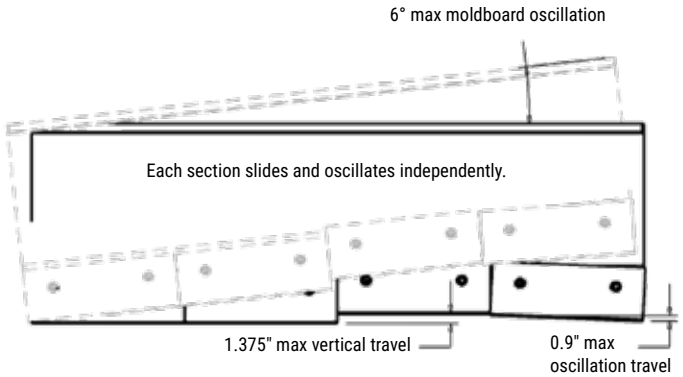
SNOWFIRE™ XTREME SPECS

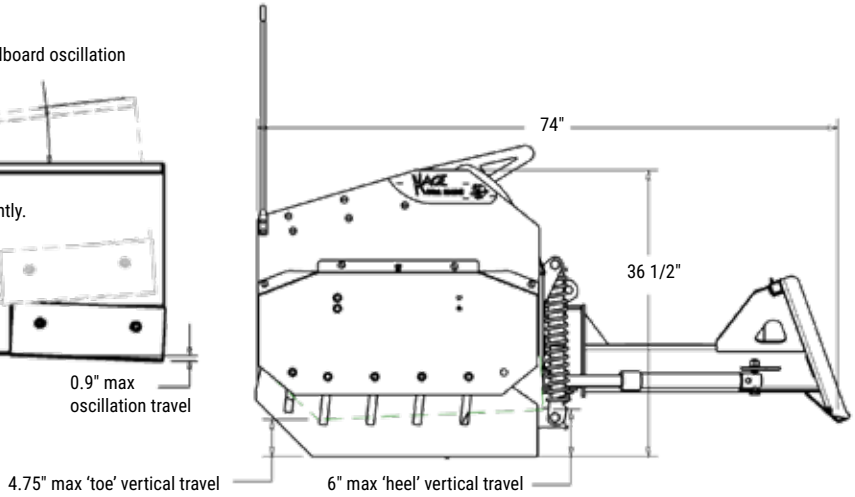
SNOWFIRE™ XTREME

For Machines Starting at 6,000 lbs	SBKX72	SBKX96	SBKX108	SBKX120	SBKX144	LBKX108	LBKX120	LBKX144
Weight (System)	1,160 lbs.	1,757 lbs.	1,823 lbs.	1,889 lbs.	2,225 lbs.	1,993 lbs.	2,059 lbs.	2,395 lbs.
Weight (Blade Only)	822 lbs.	1,231 lbs.	1,297 lbs.	1,363 lbs.	1,627 lbs.	1,467 lbs.	1,533 lbs.	1,797 lbs.
Compression Trip Springs	4	4	4	4	8	4	4	8
Cutting Edges	Hardox® AdvantEDGE™	Hardox® AdvantEDGE™	Hardox® AdvantEDGE™	Hardox® AdvantEDGE™	Hardox® AdvantEDGE™	Hardox® AdvantEDGE™	Hardox® AdvantEDGE™	Hardox® AdvantEDGE™
Crossover Relief Valve	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Recommended Carrier Size	5,000 +	6,000 +	6,500 +	7, 000 +	8,500	6,500-15,000	7,000-15,000	8,500-15,000



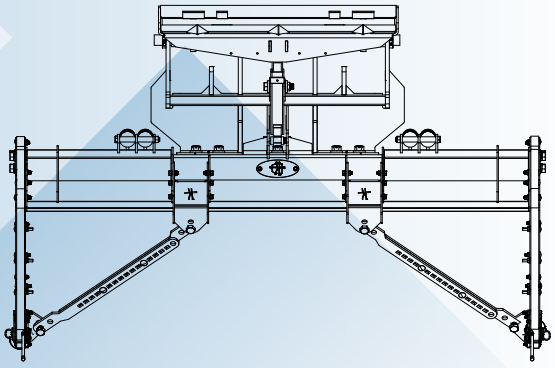


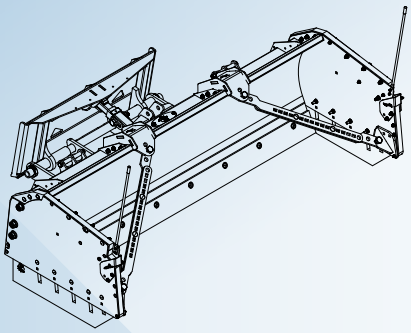


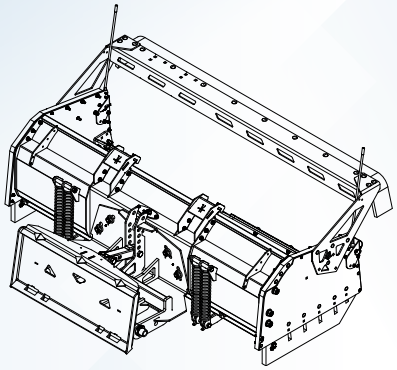


SNOWFIRE™ BLAST SPECS

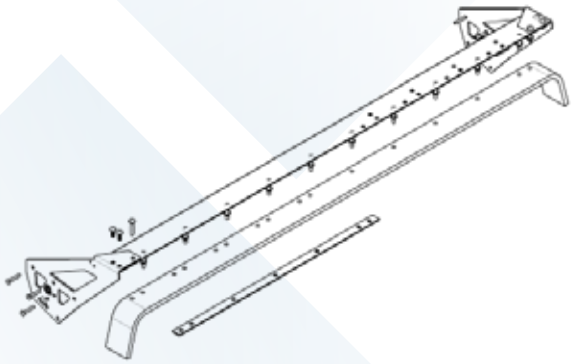
SNOWFIRE™ BLAST						
For Machines Starting at 5,000 lbs	SDP54	SDP72	SDP96	SDP108	SDP120	SDP144
Blade Width	54"	6'	8'	9'	10'	12'
Overall Width	60 1/2"	78 1/2"	102 1/2"	114 1/2"	126 1/2"	150 1/2"
Oscillation (Degrees/Inch) Each End	6° / 5 1/2"	6° / 7 1/2"	6° / 10"	6° / 11 1/4"	6° / 12 1/2"	6° / 15"
Moldboard Radius	15-1/2"					
Moldboard Gauge/Steel Grade	10 Ga. / Grade 50					
Compression Trip Springs	4	4	4	4	4	8
Machine Size Recommendation	3,000 +	5,000 +	6,000 +	6,500 +	7,000 +	8,500 +
Cutting Edge	5/8" x 6" High Carbon					
Weight	1,287 lbs.	1,378 lbs.	1,497 lbs	1,554 lbs	1,611 lbs	1,812 lbs
Height	35"	35"	35"	35"	35"	35"
Depth	65"	65"	65"	65"	65"	65"
Float	4 1/5"	4 1/5"	4 1/5"	4 1/5"	4 1/5"	4 1/5"







Optional Backdrag kit

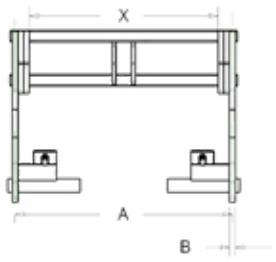


SNOWFIRE™ QUICK ATTACH SPECS

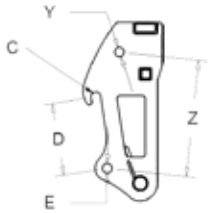
SNOWFIRE™ QUICK ATTACH DIMENSIONS

Quick Attach	KAGE Part #	A (in inches)	B (in inches)	C (in inches)	D (in inches)	E (in inches)	X (in inches)	Y (in inches)	Z (in inches)
CAT IT28	28-10	21.875	1.125	2.520	19.937	2.063			
JCB 212	212	25.188	1.000	2.280	19.209	1.760	33.750		
John Deere 310	JD310	38.00	1.000	2.596	20.321	1.825			
JCB 409	409	35.125	1.000	1.650	12.289	1.590			
Takeuchi	TAK506580	37.250	1.125	1.580	12.200	1.580	33.126	1.580	19.690
Case 221	221	9.250	1.000	2.000	20.174	2.025	42.00		
FFC	FFC	47.500	1.000	2.066	24.498	2.060			
JCB 535	535-10	40.375	1.000	2.410	23.652	1.509			
Komatsu WB140	WB140	29.375	1.000	2.030	17.687	1.810			
Volvo 356-20	356-30	39.375	1.000	2.420	24.187	2.000			
New Holland Euro	845	30.250	1.000	1.650	11.750	.920			
Universal Coupler	28-600	-	-	-	-	-			

X: Marks additional width dimensions for ears on different planes then the main ears



Y: Marks diameter for additional holes on combination couplers



Z: Marks additional dimensions for combination couplers

New Holland Euro



Universal Coupler



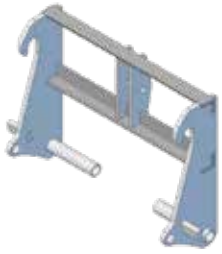
CAT IT28



JCB 212



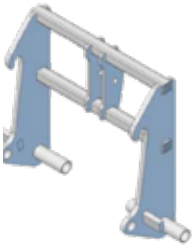
John Deere 310



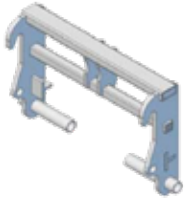
Volvo 356-20



Komatsu WB140



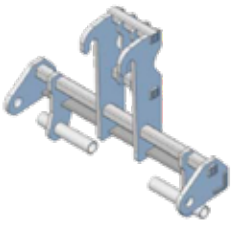
JCB 409; Euro; Volvo L35B Kubota R530/R630



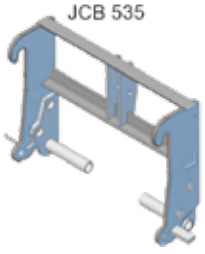
Takeuchi TW50;65;80



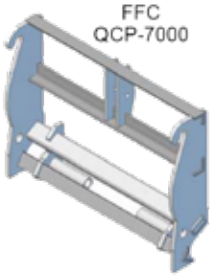
Case 221



JCB 535



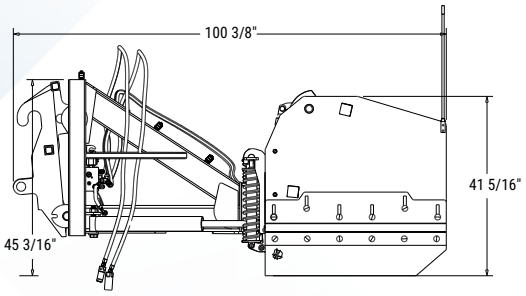
FFC QCP-7000



SNOWSTORM™ SPECS

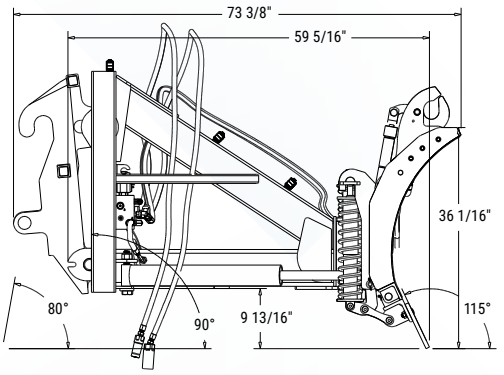
SNOWSTORM™ SYSTEM

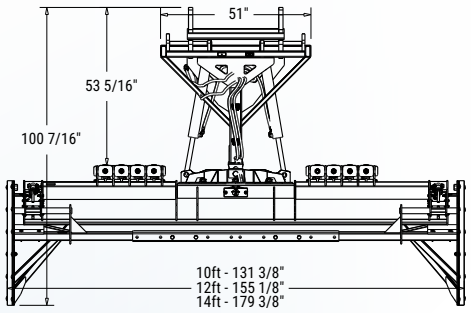
For Machines Weighing 15K-30K lbs. and 100+ HP Tractors	KBSS10	KBSS10-3PT	KBSS12	KBSS12-3PT	KBSS14	KBSS14-3PT
Total Weight (Blade & Box)	3,088 lbs.	3,238 lbs.	3,181 lbs.	3,331 lbs.	3,274 lbs.	3,424 lbs.



SNOWBLADE

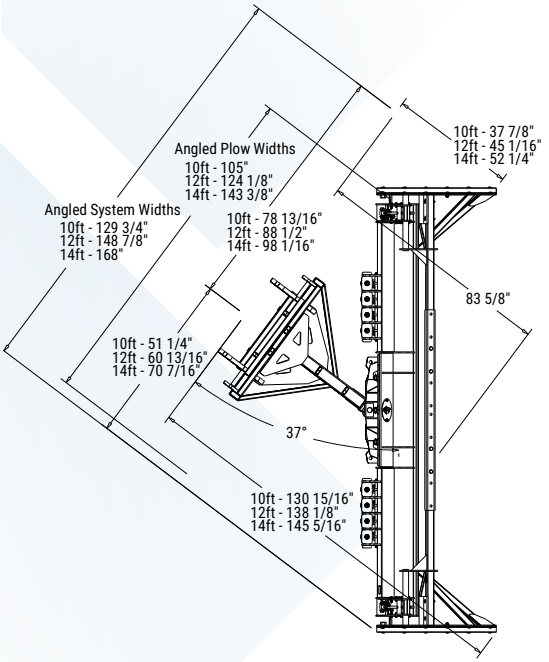
For Machines Weighing 15K-30K lbs. and 100+ HP Tractors	KBSS10	KBSS10-3PT	KBSS12	KBSS12-3PT	KBSS14	KBSS14-3PT
Blade Width	10'		12'		14'	
Angle	36 Degrees					
Blade Width at Full Angle	97"		116 1/2"		136"	
Oscillation (Degrees/Inch) Each End	6° / 12 1/2"		6° / 15"		6° / 17 1/2"	
Moldboard Gauge/Steel Grade	10 Ga. / Grade 50					
Loader Quick Attach	See Page 63					
Trip Springs	8 Compression					
Cutting Edge	(2 pc) 5/8" x 8" x 5'		(2 pc) 5/8" x 8" x 6'		(2 pc) 5/8" x 8" x 7'	
Hydraulic Cross-Over Relief Valve	Standard					
Pivot Frame Length	48"	48"	48"	48"	48"	48"
Weight	2,282 lbs.	2,432 lbs.	2,375 lbs.	2,525 lbs.	2,468 lbs.	2,618 lbs.
Cylinders (2)	(2) 3" Bore 1 1/2" Rod					
Blade Height	36"					
Electric/Hydraulic Valve Kit	12V/24V					





SNOWKAGE

For Machines Weighing 15K-30K lbs. and 100+ HP Tractors	KBSS10	KBSS10-3PT	KBSS12	KBSS12-3PT	KBSS14	KBSS14-3PT
Overall Height	40"					
Overall Width	143"		155"		179 1/2"	
Overall Width at Full Angle	131"		150 1/2"		169 3/4"	
Box Depth	42 1/2"					
Approximate Capacity	12 yds +		14 yds +		18 yds +	
Replaceable Polyurethane Skids	2" x 10" x 42"					
Machine Size Recommendation	14,500 +	14,500 +	18,000 +	18,000 +	19,000 +	19,000 +

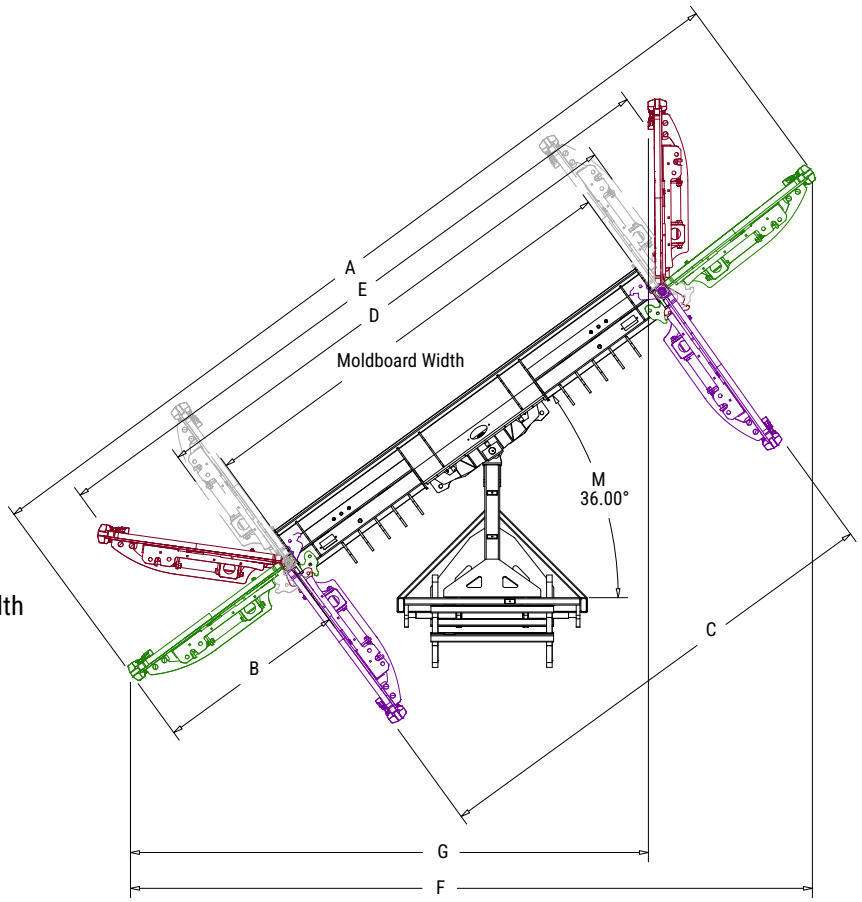


SNOWSTORM™ WING SPECS

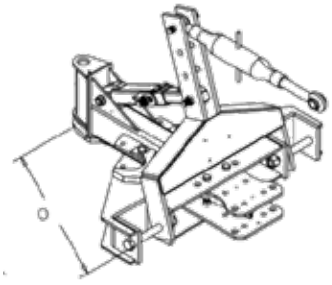
SNOWSTORM™ WING						
For 15,000-30,000 lbs Machines and 100+ HP Tractors	KBSS0715	KBSS0715-3PT	KBSS1018	KBSS1018-3PT	KBSS1220	KBSS1220-3PT
Weight	1,713 lbs.	1,798 lbs.	1,883 lbs.	1,968 lbs.	2,102 lbs.	2,362 lbs.

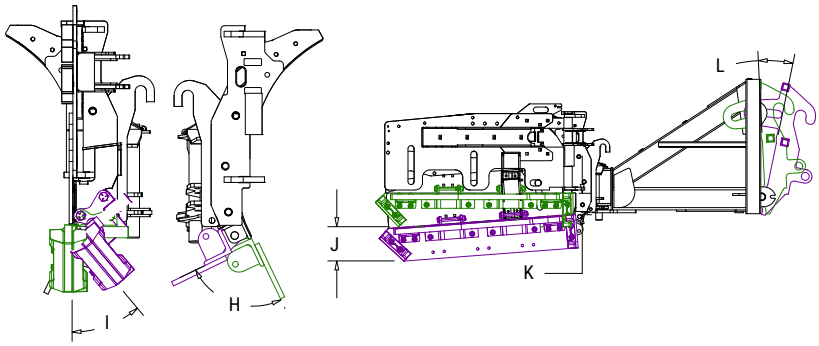
- A - 192-252" Max Plow Width
- B - 52" Wing Length
- C - 93.25-153.25" Minimum Width
- D - 102.24-162.24" Boxing Width
- E - 147.84-207.84" Scoop Width @ 45°
- F - 153.5-202.93" Full Angle Width Max
- G - 120.25-168.75" Windrow Mode Width
- H - 90° Trip Edge
- I - 41° Trip Edge
- J - 8.7" Toe Float
- K - 6.5" Heel Float
- L - 14°/14.4" Plow Float
- M - 36° Max Plow Angle
- N - 6° Plow Oscillation/Side
- 0 - 29.56-43.65" Distance From Carrier
- P - 8.5-32.7" Tire Interference Point
- Q - 15.9-42.2" Tire Interference Point
- R- 79.86-129.15" Overall Minimum Angled Width
- S - 8.1" Moldboard Trip Height
- T - 9" Wing Trip Height

6.5' wing coming 2027

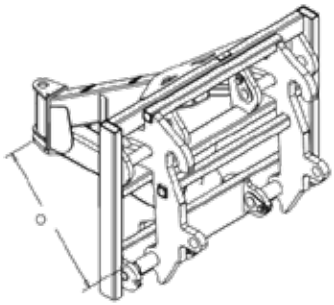


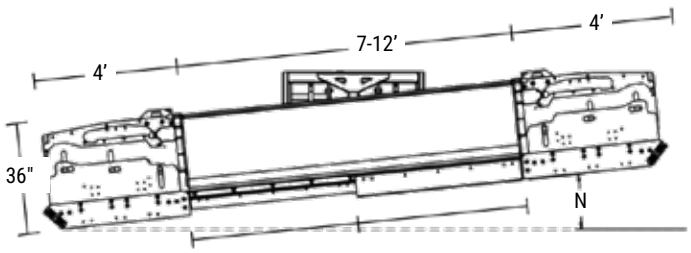
CAT II 3 Point Carrier Attachment





Standard Wheel Loader Quick Attachment

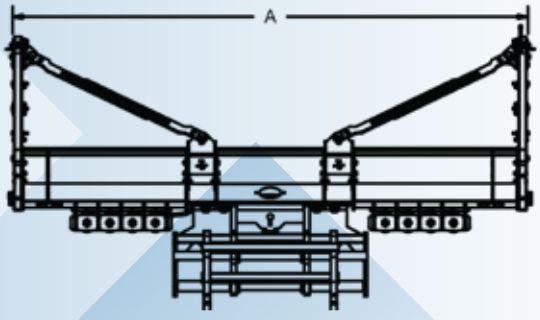




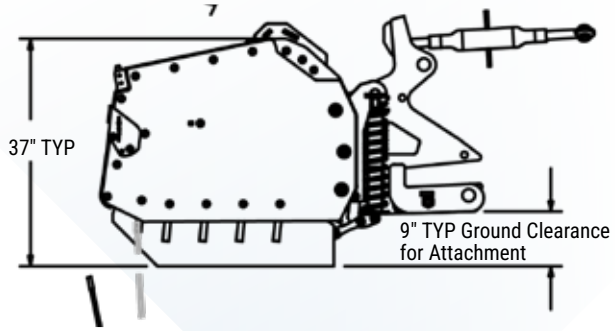
Split Trip Edge on 10' and 12' Main Moldboards

SNOWSTORM™ BLAST POLY SPECS

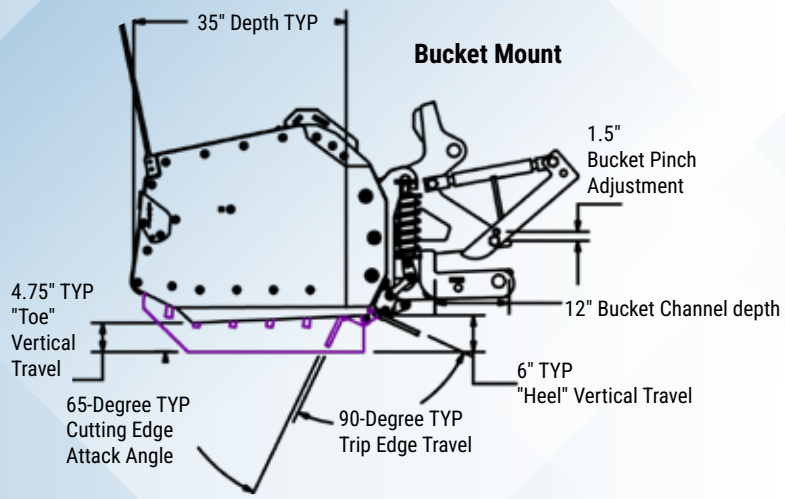
SNOWSTORM™ BLAST POLY						
For Machines Weighing 15K-30K lbs.	SSDP10 3-Point	SSDP10 Bucket Clamps	SSDP10 Quick Attach	SSDP12 3-Point	SSDP12 Bucket Clamps	SSDP12 Quick Attach
Blade Width	10'			12'		
Overall Width "A"	124"			148"		
Oscillation (Degrees/Inch) Each End	6° / 12 1/2"			6° / 15"		
Moldboard Gauge/Steel Grade	10 Ga. / Grade 50					
Compression Trip Springs	8			8		
Cutting Edge	(2 pc) 5/8" x 8" x 5'			(2 pc) 5/8" x 8" x 6'		
Machine Size Recommendation	15,000-30,000 lbs			18,000-30,000 lbs		
Weight	1,960 lbs.	1,983 lbs.	2,165 lbs.	2,090 lbs.	2,115 lbs.	2,297 lbs.
Height	37"					
Replaceable Side Panels	Yes					



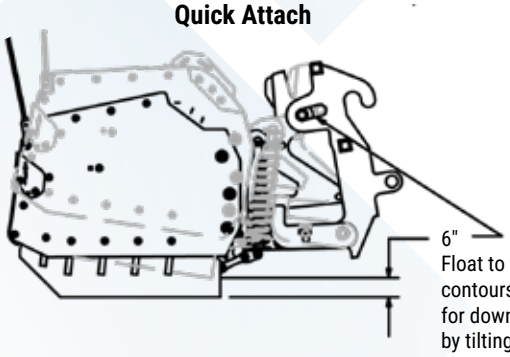
CAT II 3-Point Hitch



Bucket Mount

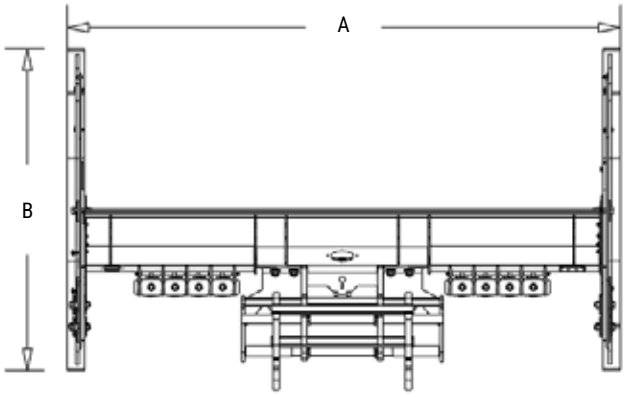


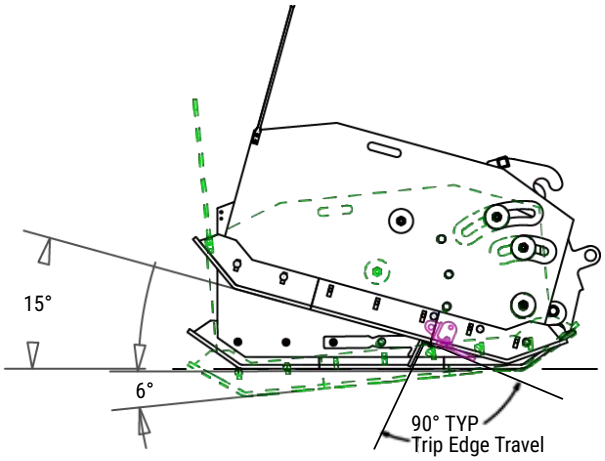
Quick Attach



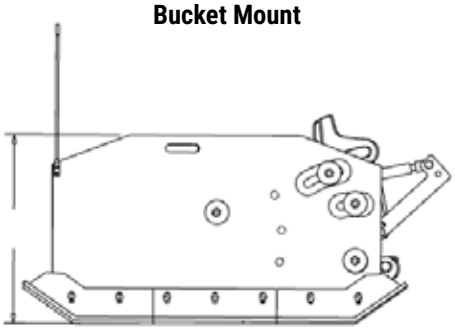
SNOWSTORM™ BLAST STEEL SPECS

SNOWSTORM™ BLAST STEEL						
For Machines Weighing 15K-30K lbs.	SSDPS10 3-Point	SSDPS10 Bucket Clamps	SSDPS10 Quick Attach	SSDPS12 3-Point	SSDPS12 Bucket Clamps	SSDPS12 Quick Attach
Blade Width	10'			12'		
Overall Width "A"	128"			152"		
Depth "B"	74"					
Oscillation (Degrees/Inch) Each End	6° / 12 1/2"			6° / 15"		
Moldboard Gauge/Steel Grade	10 Ga. / Grade 50					
Compression Trip Springs	8			8		
Cutting Edge	(2 pc) 5/8" x 8" x 5'				(2 pc) 5/8" x 8" x 6'	
Machine Size Recommendation	15,000-30,000 lbs			18,000-30,000 lbs		
Weight	3,275 lbs.	3,298 lbs.	3,480 lbs.	3,407 lbs.	3,430 lbs.	3,612 lbs.
Height	36"					
Replaceable Side Panels	Yes					

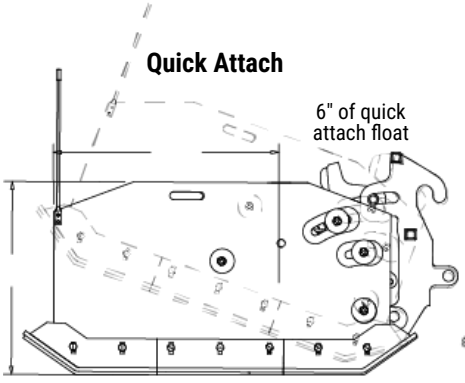




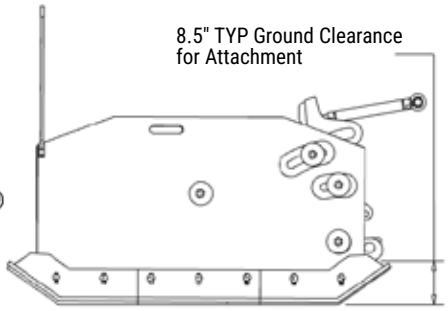
Bucket Mount



Quick Attach



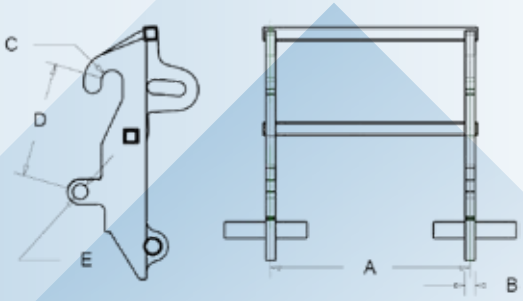
CAT II 3-Point Hitch

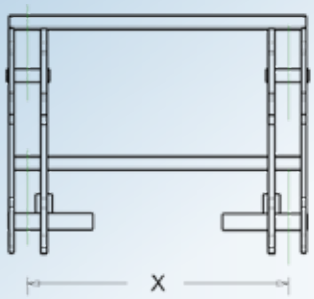


SNOWSTORM™ QUICK ATTACH SPECS

SNOWSTORM™ QUICK ATTACH DIMENSIONS

Quick Attach	KAGE Part #	A (in inches)	B (in inches)	C (in inches)	D (in inches)	E (in inches)	X (in inches)	Float Slot (in inches)	Non Stocked Additional Cost
JRB 416	JRB-416	30.628	1.500	3.001	16.281	2.126		6	
CAT Fusion	CATFUSION	22.875	1.500	5.000	24.625	3.376		3.5	
CAT IT28	CATIT28F-K	22.250	1.500	2.520	19.937	2.062		6	
Volvo	356-1	39.360	1.000	2.420	24.260	2.000		6	
Hyundai	HL740TM	22.287	1.500	2.461	19.770	1.992		6	
Terex	TERSKI863	34.250	4.000	1.969	19.860	2.362	39.250	6	
JCB 541	JCB541SS	42.484	1.500	2.266	23.687	1.265		6	
Bobcat 723	BBTC-723	31.250	1.000	3.250	22.437	1.275		6	
JCB 535	535-200	40.625	1.250	2.437	23.625	1.500		6	
JRB 418	JRB-418	32.750	1.500	3.030	20.670	2.060		6	Yes
CAT IT38	CATIT-38	36.250	1.500	3.090	22.790	2.060		6	Yes
Hi Viz	544HV	39.120	1.500	2.440	24.280	2.064		6	Yes
ACS 1000/2000	QA90006150							6	Yes



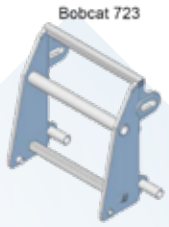
















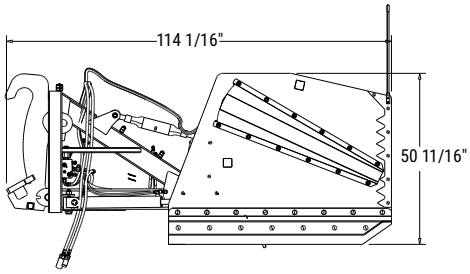




SNOWDOZER™ SPECS

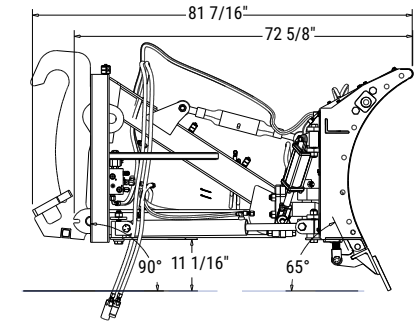
SNOWDOZER™ SYSTEM

For Wheel Loaders Weighing 30K-50K lbs. and Tractors with 300+ hp	BP12	BP14	BP16	BP18	BP20
Total Weight (Blade & Box)	6,974 lbs.	7,170 lbs.	7,357 lbs.	7,846 lbs.	8,037 lbs.



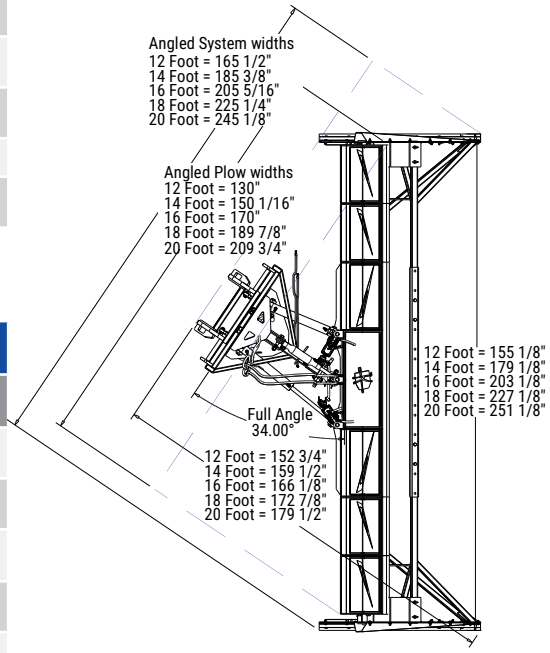
SNOWBLADE

For Wheel Loaders Weighing 30K-50K lbs. and Tractors with 300+ hp	BP12	BP14	BP16	BP18	BP20
Blade Width	12'	14'	16'	18'	20'
Angle	34 Degrees				
Blade Width at Full Angle	130"	150"	170"	225 1/4"	209 3/4"
Oscillation (Degrees/Inch) Each End	6° / 15"	6° / 17.6"	6° / 20.1"	6° / 22.6"	6° / 25.1"
Moldboard Gauge/Steel Grade	10 Ga. / Grade 50				
Attachment Options	Quick Attaches (See Page 66) or 3 Point Hitch				
Trip Springs (Compression)	6	6	8	8	12
Cutting Edge (2pc)	3/4" x 8" x 6'	3/4" x 8" x 7'	3/4" x 8" x 8'	3/4" x 8" x 9'	3/4" x 8" x 9'
Hydraulic Cross-Over Relief Valve	Standard				
Pivot Frame Length	48"				
Weight	4,917 lbs.	5,114 lbs.	5,527 lbs.	5,722 lbs.	5,912 lbs.
Cylinders (2)	(2) 3" Bore 1 1/2" Rod				
Blade Height	48"				
Electric/Hydraulic Valve Kit	12V/24V				



SNOWKAGE

For Wheel Loaders Weighing 30K-50K lbs. and Tractors with 300+ hp	BPSK12	BPSK14	BPSK16	BPSK18	BPSK20
Overall Height	41"				
Overall Width	155 1/8"	179 1/8"	203 1/8"	227 1/8"	251 1/8"
Overall Width at Full Angle	165 1/2"	185 3/8"	205 5/16"	225 1/4"	245 1/8"
Approximate Capacity	12 yds +	13 yds +	14 yds +	16 yds +	18 yds +
Replaceable Polyurethane Skids	2" x 10" x 42"	3-1/2" x 6 3/4" x 66"			

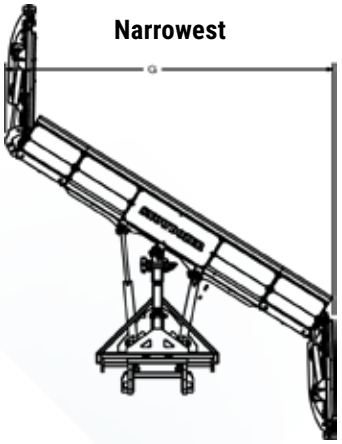


SNOWDOZER™ WING SPECS

SNOWDOZER™ WING DIMENSIONS

Model	A (inches)	B (inches)	C (inches)	D (inches)	E (inches)	F (inches)	G (inches)	H (weight)	I (inches)
BPS1018	131	216	140	53	202	171	115	4866	46.5
BPS1020	131	240	140	65	194	186	115	4866	46.5
BPS1026	131	312	140	102	268	197	115	7632	46.5
BPS1220	155	240	164	53	218	193	137	5166	46.5
BPS1222	155	264	164	65	226	208	137	5950	46.5
BPS1228	155	336	164	102	292	232	137	7932	46.5
BPS1422	179	264	188	53	242	215	159	5326	46.5
BPS1424	179	286	188	65	250	230	159	6180	46.5
BPS1430	179	360	188	102	316	267	159	8092	46.5
BPS1624	203	286	212	53	266	236	180	5720	46.5
BPS1626	203	310	212	65	274	250	180	6660	46.5
BPS1826	227	310	236	53	290	257	201	5870	46.5
BPS1828	227	334	236	65	298	272	201	6890	46.5

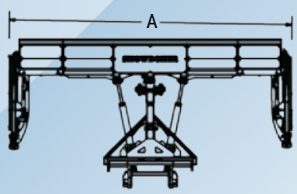
Narrowest



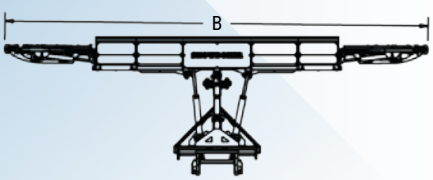
Windrow



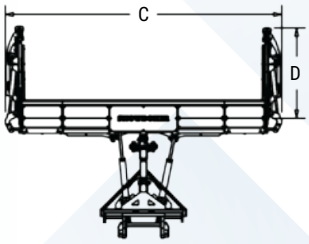
Backdrag



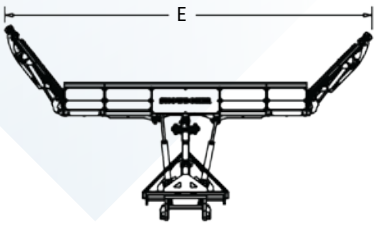
Widest

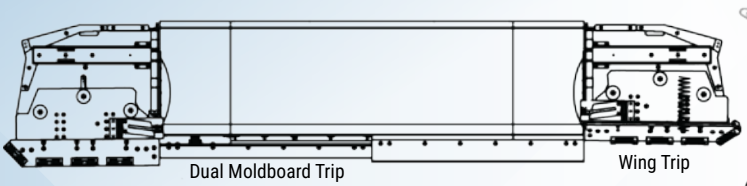


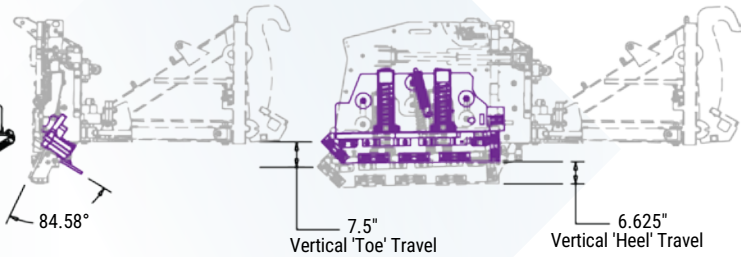
Box



Scoop



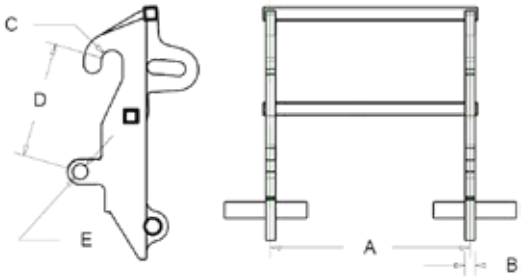


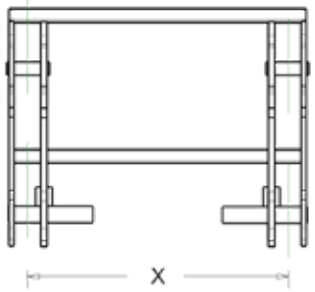


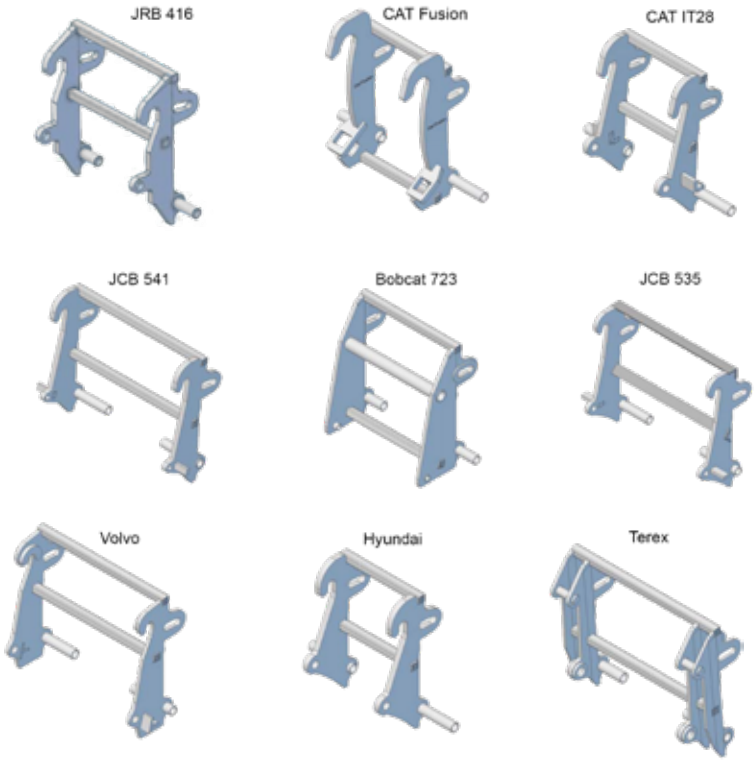
SNOWDOZER™ QUICK ATTACH SPECS

SNOWDOZER™ QUICK ATTACH DIMENSIONS

Quick Attach	KAGE Part #	A (in inches)	B (in inches)	C (in inches)	D (in inches)	E (in inches)	X (in inches)	Float Slot (in inches)	Non Stocked Additional Cost
JRB 416	JRB-416	30.628	1.500	3.001	16.281	2.126		6	
CAT Fusion	CATFUSION	22.875	1.500	5.000	24.625	3.376		3.5	
CAT IT28	CATIT28F-K	22.250	1.500	2.520	19.937	2.062		6	
Volvo	356-1	39.360	1.000	2.420	24.260	2.000		6	
Hyundai	HL740TM	22.287	1.500	2.461	19.770	1.992		6	
Terex	TERSKI863	34.250	4.000	1.969	19.860	2.362	39.250	6	
JCB 541	JCB541SS	42.484	1.500	2.266	23.687	1.265		6	
Bobcat 723	BBTC-723	31.250	1.000	3.250	22.437	1.275		6	
JCB 535	535-200	40.625	1.250	2.437	23.625	1.500		6	
JRB 418	JRB-418	32.750	1.500	3.030	20.670	2.060		6	Yes
CAT IT38	CATIT-38	36.250	1.500	3.090	22.790	2.060		6	Yes
Hi Viz	544HV	39.120	1.500	2.440	24.280	2.064		6	Yes
ACS 1000/2000	QA90006150							6	Yes





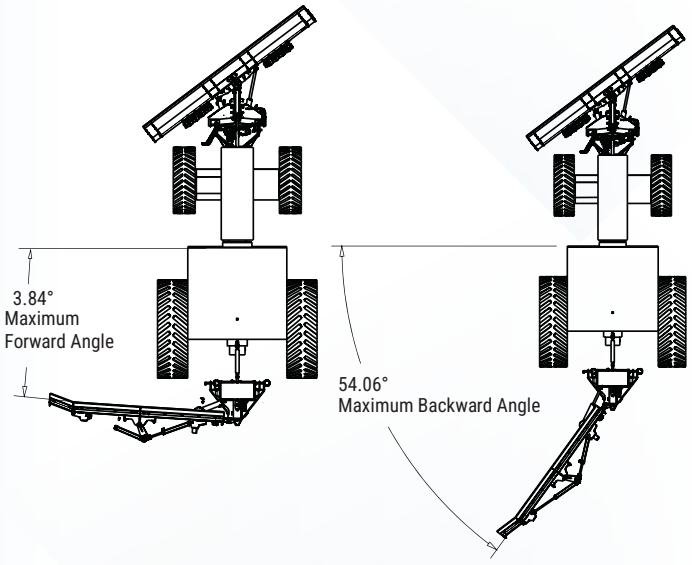


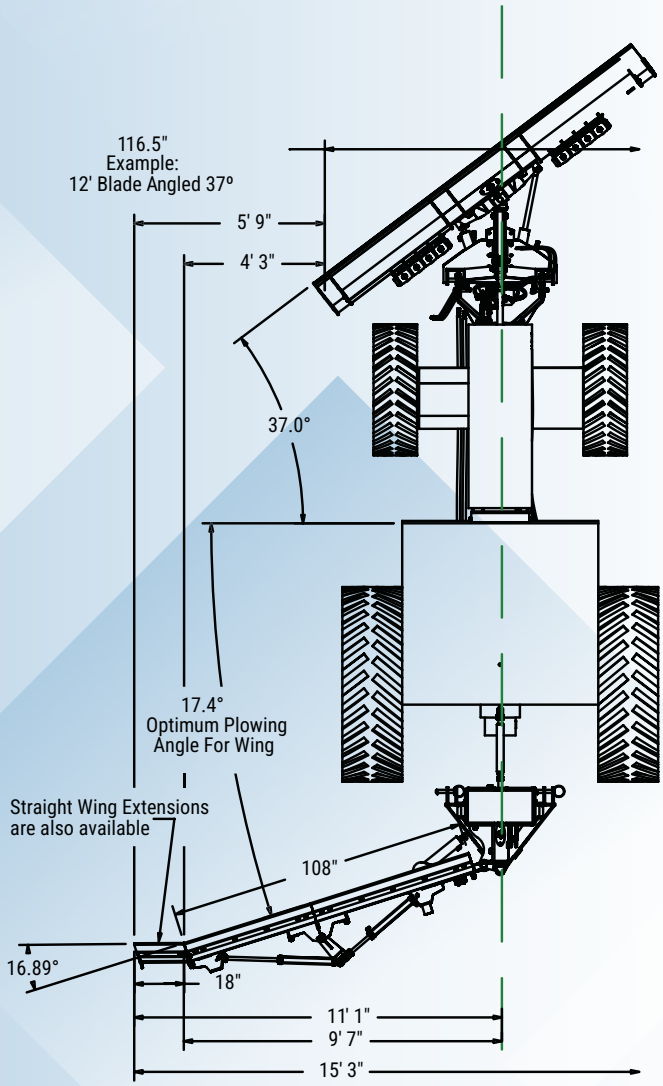
SHADOWBLADE™ SPECS

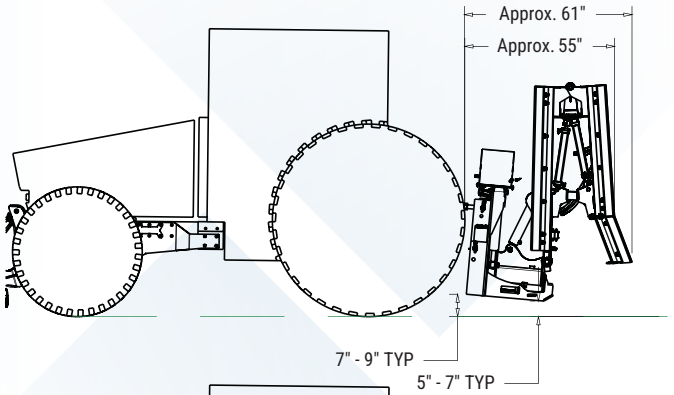
SNOWBLADE

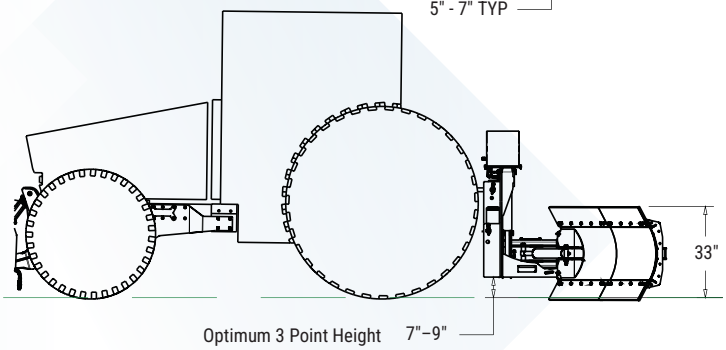
Specifications	
Weight KMX9 (Standard Assembly)	1,620 lbs.
Weight Optional 17 Degree Wing Extension	102 lbs.
Weight Optional Straight Wing Extension	102 lbs.
Operating Voltage	12VDC
Operating Current	<20 amp
Optional Laser Beam Classification	IIIR
Moldboard Height	33 inches

Rear Tractor Snow Plow Recommendations
1 Rear Auxiliary with constant flow (detent)
Cat II 3-Point Hitch
Recommended tractor weight no less than 9,500 lbs



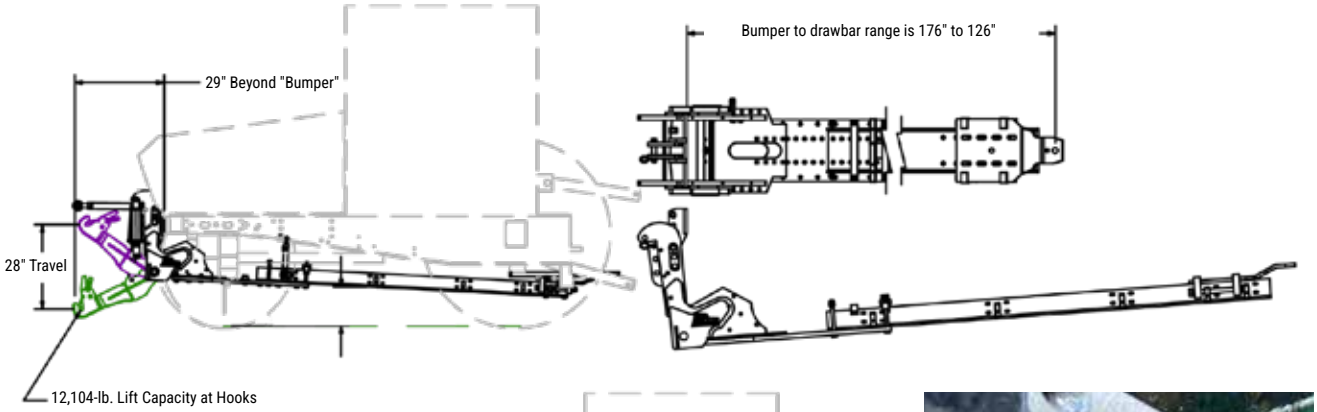


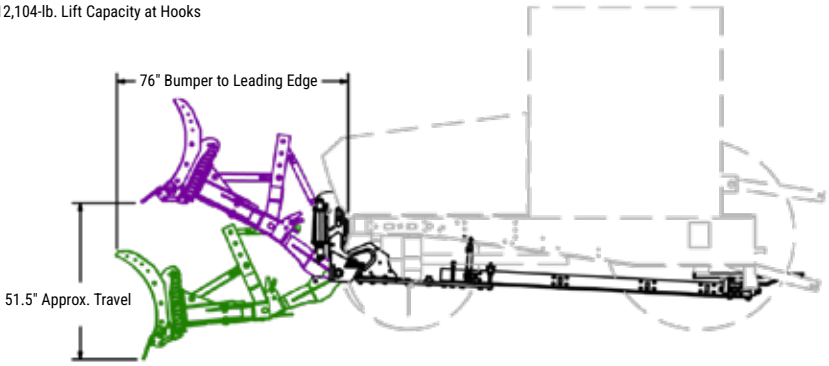




UNDER-HITCH SPECS

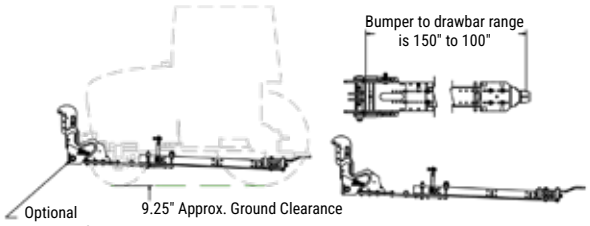
1200

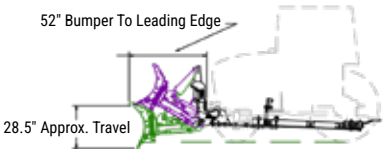




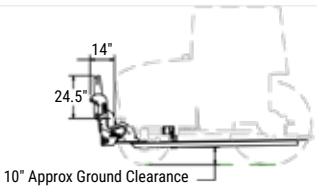


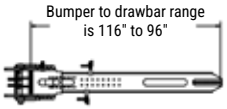
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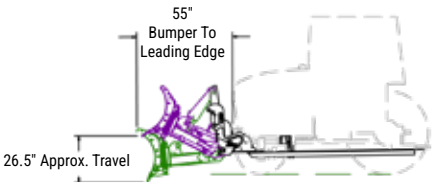




8000LD







Size Grouping	Weight (lbs)	Recommended Plow Compatibility	Description	P/N
1200	1,400	SnowStorm OR SnowDozer with 3-Point Hitch	Undercarriage kit with hoses and hardware for tractors where the distance from the bumper to the drawbar hitchpin is between 146" and 126". Choose tractor model from the interchange codes.	3PH1200-{Select Tractor Code}
8000	1,050	SnowFire with Direct Attach pivot frame, OR 3-Point pivot frame	Undercarriage kit with hoses and hardware for tractors where the distance from the bumper to the drawbar hitchpin is between 125" and 95". Choose tractor model from the interchange codes.	3PH8000-{Select Tractor Code}
8000LD	973	SnowFire with Direct Attach pivot frame	Undercarriage kit with hoses and hardware for tractors where the distance from the bumper to the drawbar hitchpin is between 116" and 96". Choose tractor model from the interchange codes.	3PH8000LD-{Select Tractor Code}

KAGE® KLAWZ™ SPECS

KAGE® KLAWZ™ APPLICATION GUIDE

STOCK TIRE SIZE				
10 x 16.5 (stock tire is about 30-32" tall)			12 x 16.5 (stock tire is about 33" tall)	
KAGE® KLAWZ™ MODELS				
225 Kit	245 Kit*	255 Kit**	245 Kit	255 Kit**
FENDER INTERFERENCE				
3" Fender Clearance Required		6" Fender Clearance Required	3" Fender Clearance Required	
SPEED ENHANCEMENT				
No Significant Increase	11% Increase (~1.5 mph)	11% Increase (~2.1 mph)	No Significant Increase	11% Increase (~2.1 mph)

*NOTE: This configuration increases the overall height of the machine by approximately 1.5"
**NOTE: This configuration increases the overall height of the machine by approximately 3"

KAGE® KLAWZ™ SPECIFICATIONS

SNOW TIRE KIT	Model 225	Model 245*	Model 255	Model 255 LG*
Size	225/70R19.5	245/70R19.5	255/70R22.5	255/70R22.5
Ply Rating / Load Range	12	14	16	16
Capacity Per Set of 4	14,560 lbs.	18,160 lbs.	22,040 lbs.	22,040 lbs.
Pilot Hole Diameter	6"	6"	6"	9" - Bobcat Specific
Bolt Pattern	8 x 8"	8 x 8"	8 x 8"	8 x 10.25"
Wheel Size	19.5 x 6.75	19.5 x 6.75	22.5 x 8.25	22.5 x 8.25
Tire Height	32.4	33.4	36.6	36.6
Overall Tire Width	8.8	9.6	9.8	9.8
Offset	POS 1.25"	POS 1.25"	NEG 1.5"	ZERO
Tread Width	7.1	7.5	7.8	7.8
Product Number	225KIT	245KIT	255KIT	255LGKIT

KAGE KLAWZ 225



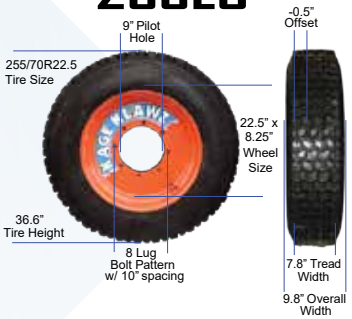
KAGE KLAWZ 245



KAGE KLAWZ 255



KAGE KLAWZ 255LG



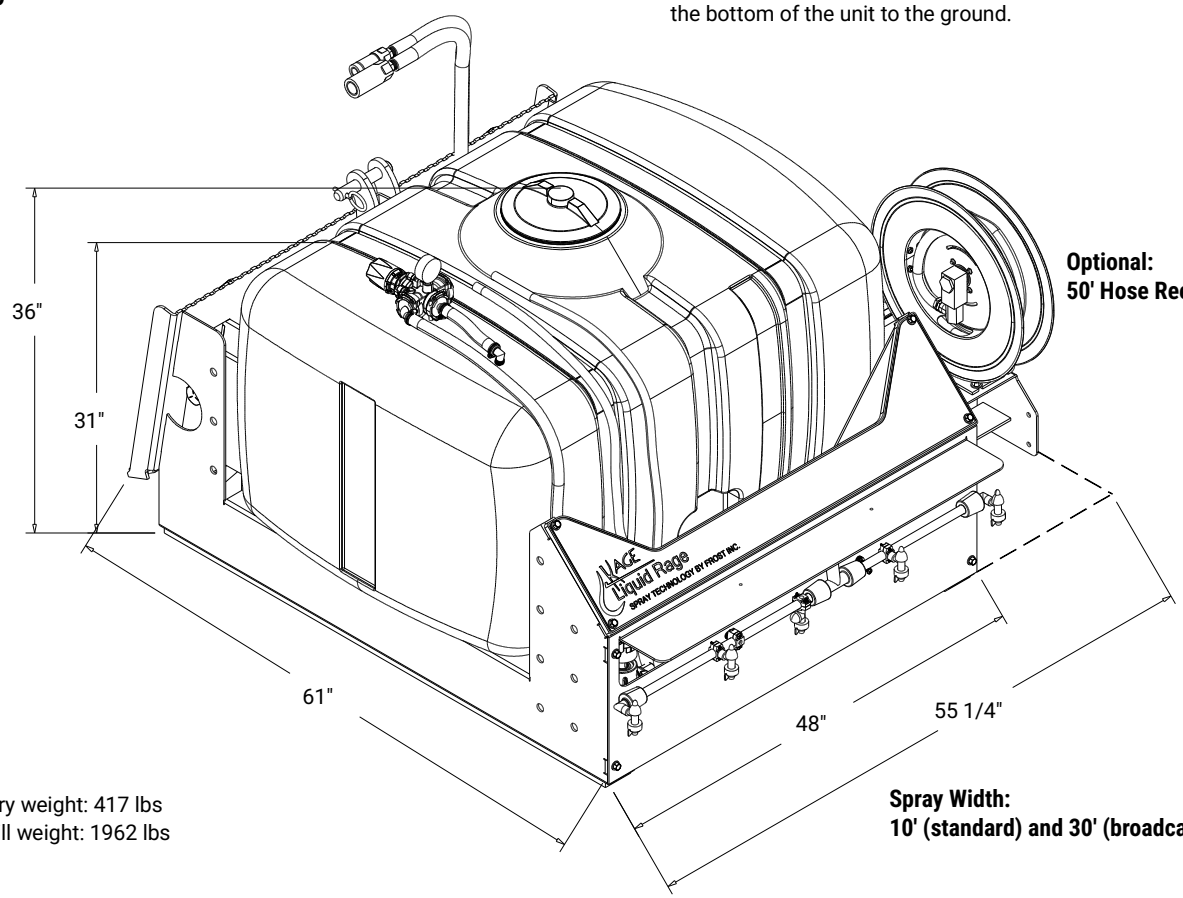
LIQUIDRAGE™ SPECS

LIQUIDRAGE™ SPECIFICATIONS

Mounts	Skid Steer/Cat II 3-Point
Pump	Hydraulic
Internal Debris Filter	Standard
Dump Valve	Standard
Quick Disconnect Hydraulic Couplers	Skid Steer Flat Face Standard
Quick Disconnect Ag Hydraulic Couplers	EXTRA
Nozzle Type	(5) 6 Stream Penetrating Nozzles
Tank Capacity	150 gals.
Pressure Regulator with Gauge	Standard/Manual
Spray Width	Adjustable 5' - 10'/30' with broadcast nozzles
Weight Lbs (loaded/empty)	2067/417

Liquid Rage Assembly 150
SA150

Operating height should be 4" to 6" from the bottom of the unit to the ground.



Optional:
50' Hose Reel

Dry weight: 417 lbs
Fill weight: 1962 lbs

Spray Width:
10' (standard) and 30' (broadcast)

ADVANTEDGE™ SPECS

ADVANTEDGE™ WEIGHT AND DIMENSIONS

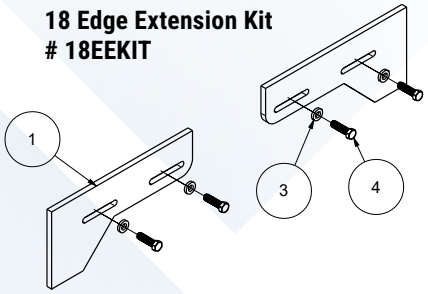
Part Name	Part Number	Segment Qty	Cutting Edge Steel	Usable Cutting Edge*	Vertical Travel	Max Peaking Angle of Sections	Thickness (Hardox®/Carbide)	Weight in lbs (Hardox®/Carbide)	Bolt Size
SF AdvantEDGE™ 6'	SFAE6/SFAE6-C	2 x 3'	Hardox® 500/Carbide	3"	1 3/8"	2°	5/8"/1 1/8"	240/312	7/8"
SF AdvantEDGE™ 7'	SFAE7/SFAE7-C	1 x 3' + 1 x 4'	Hardox® 500/Carbide	3"	1 3/8"	2°	5/8"/1 1/8"	280/364	7/8"
SF AdvantEDGE™ 8'	SFAE8/SFAE8-C	2 x 4'	Hardox® 500/Carbide	3"	1 3/8"	2°	5/8"/1 1/8"	311/412	7/8"
SF AdvantEDGE™ 9'	SFAE9/SFAE9-C	3 x 3'	Hardox® 500/Carbide	3"	1 3/8"	2°	5/8"/1 1/8"	363/445	7/8"
SF AdvantEDGE™ 10'	SFAE10/SFAE10-C	2 x 5'	Hardox® 500/Carbide	3"	1 3/8"	2°	5/8"/1 1/8"	397/470	7/8"
SF AdvantEDGE™ 11'	SFAE11/SFAE11-C	1 x 5' + 2 x 3'	Hardox® 500/Carbide	3"	1 3/8"	2°	5/8"/1 1/8"	440/517	7/8"
SF AdvantEDGE™ 12'	SFAE12/SFAE12-C	4 x 3'	Hardox® 500/Carbide	3"	1 3/8"	2°	5/8"/1 1/8"	484/570	7/8"
SF AdvantEDGE™ 14'	SFAE14/SFAE14-C	2 x 3' + 2 x 4'	Hardox® 500/Carbide	3"	1 3/8"	2°	5/8"/1 1/8"	554/654	7/8"
SF AdvantEDGE™ 16'	SFAE16/SFAE16-C	4 x 4'	Hardox® 500/Carbide	3"	1 3/8"	2°	5/8"/1 1/8"	640/792	7/8"
SF AdvantEDGE™ 18'	SFAE18/SFAE18-C	6 x 3'	Hardox® 500/Carbide	3"	1 3/8"	2°	5/8"/1 1/8"	720/846	7/8"

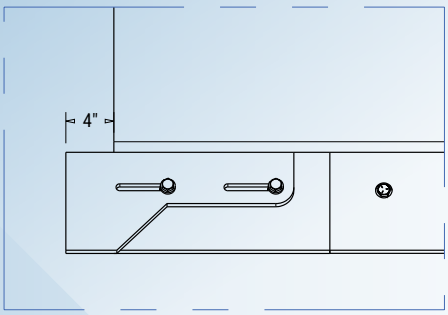
*Carbide inserts are 1" tall

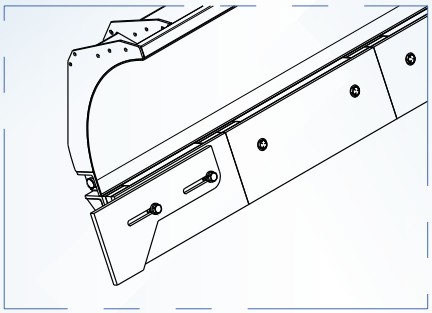
Snow pushers equipped with the KAGE AdvantEDGE™ that require additional cutting edge length may be fitted with an extension kit. The kits attach over either an 18" or 24" cutting edge. They can extend the edge length from 0 to 4" closing any gaps between the edge and the pushers sides. Typically this is only required by pushers sized in foot and a half widths.

Item Number	Part Name	Part Number	Revision	Quantity
1	Edge Extension 18	SBCEE18	1	2
2	Edge Extension 24	SBCEE24	1	2
3	Flat Washer 5/ 8 x 1.25 x .25 Thick	91201A035		4
4	Hex Bolt GR8 5/ 8-11 x 2.25	91257A803		4

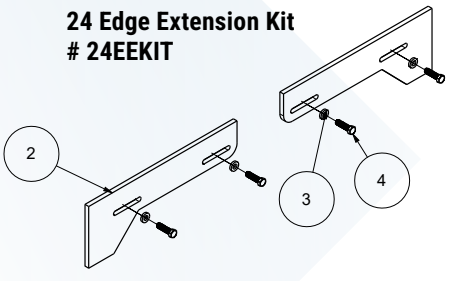
18 Edge Extension Kit
18EEKIT







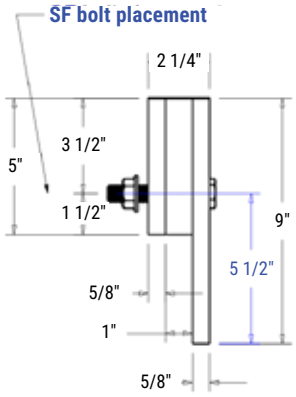
24 Edge Extension Kit
24EEKIT

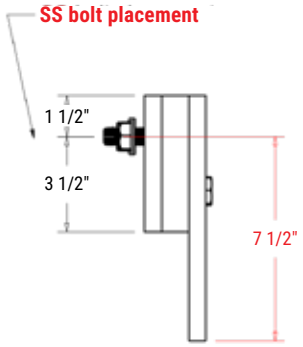


MOUNTING OPTIONS

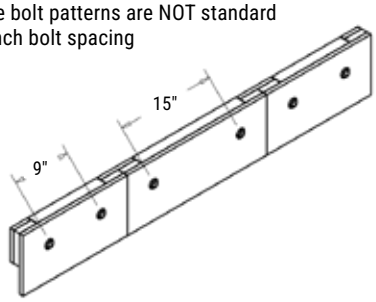
Below are the bolt patterns of the plate that will attach to your plow. The horizontal spacing is known as "standard highway punch." Two height options are available. Choose either SF or SS bolt placement for the AdvantEDGE™ kit.

Installation Height

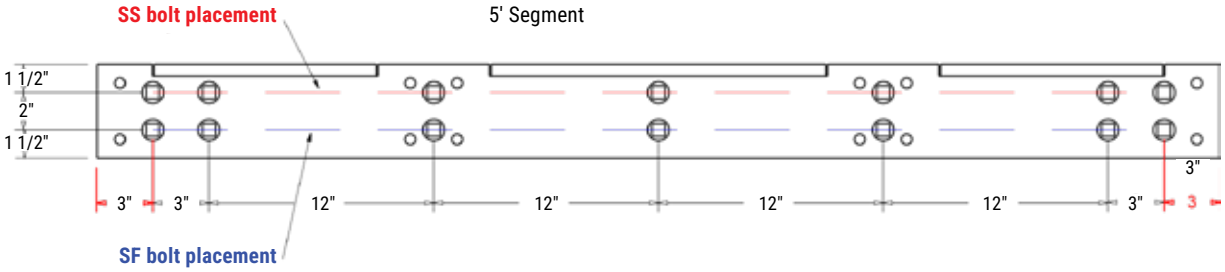


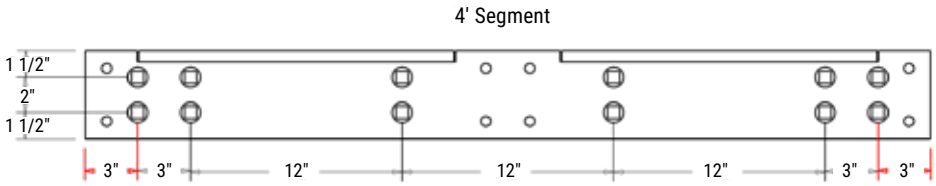


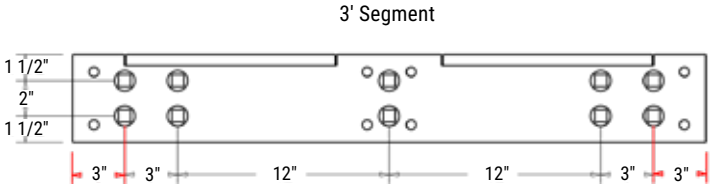
Cutting Edge bolt patterns are NOT standard highway punch bolt spacing

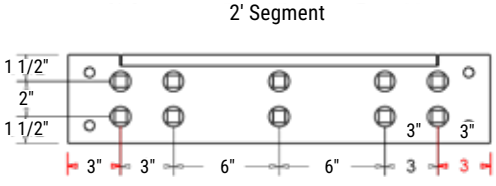


Other bolt patterns may be available, call KAGE for assistance.





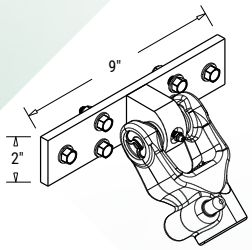




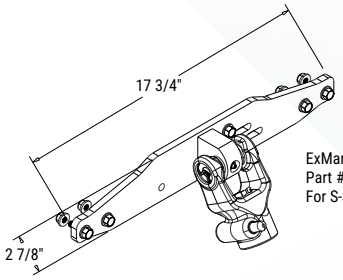
WHEEL KADDY™ SPECS

WHEEL KADDY™ FEATURE COMPARISON

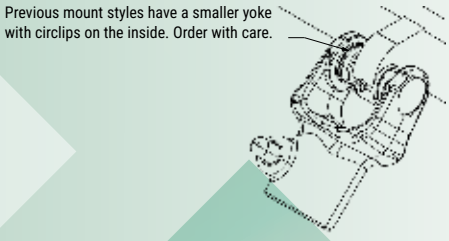
	250 Series	500 Series	360 Series
360-Degree Pivot Action			✓
Soft-Ride Suspension		✓	✓
Platform Height Adjustment	✓	✓	✓
3-Piece Wheels (Quick Tire Change)	✓	✓	✓
Grade 50 Steel Platform	✓	✓	✓
Quick-Release Mount	✓	✓	✓
Tapered Roller Bearings	✓	✓	✓
Greaseable PTO Pivots	✓	✓	✓
Platform Pitch Adjustment	✓	✓	✓
Standard Tire Diameter	13"	13"	10"



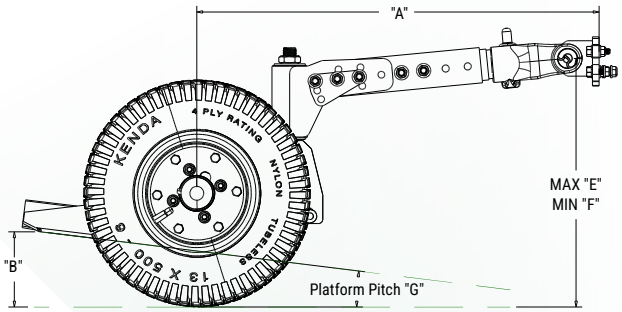
Universal Series Mount
Part # Universal
For any Brand/Model of walk-behind
Requires holes to be drilled



ExMark Mount
Part # EXMOUNTASSY
For S-Series (HP) and X-Series Exmark®

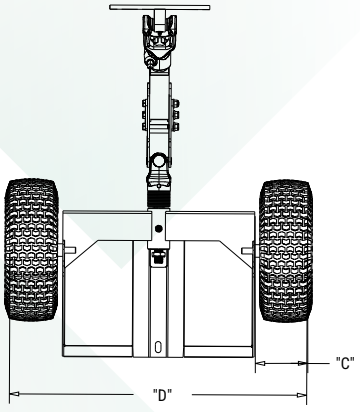


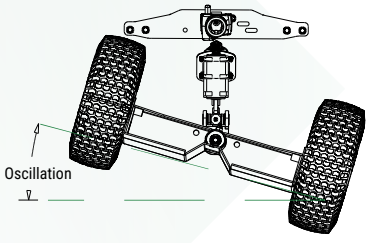
Previous mount styles have a smaller yoke with circlips on the inside. Order with care.



WHEEL KADDY™ SPECS

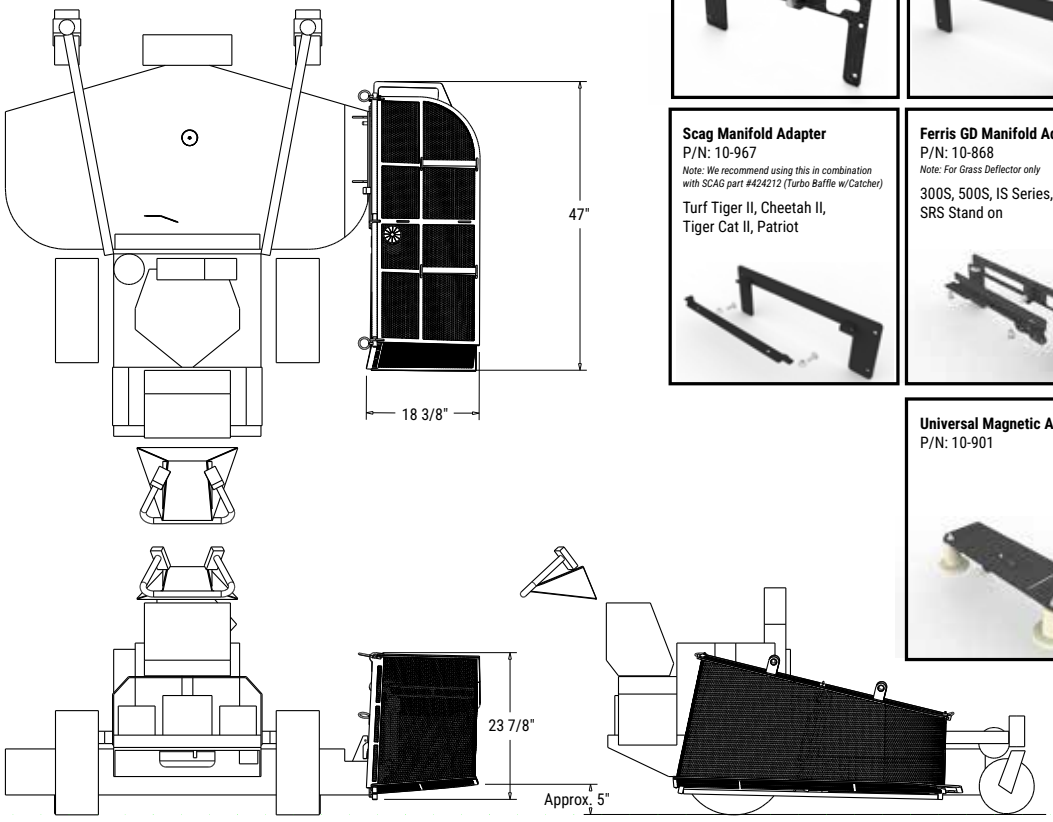
	250 Series	500 Series	360 Series
Tire Size Option	13" Tires (13x5.00-6)	13" Tires (13x5.00-6)	10" Tires (410/350-4)
DIM "A" (Length Adj.)	Adjustable 20" - 26"	Adjustable 20" - 26"	Adjustable 21" - 25"
DIM "B" In. (Platform Height)	3"	3"	1 3/4" / 3"
DIM "C" (Tire Width)	4 1/2"	4 1/2"	3 7/8"
DIM "D" (OA Platform Width)	26 3/4"	26 3/4"	26 1/4"
DIM "E" (Max Mount Height)	15 3/8"	15 3/8"	13 1/2" / 15 3/8"
DIM "F" (Min Mount Height)	9 3/8"	9 3/8"	12"
DIM "G" (Pitch Adj.)	N/A	N/A	Adjustable +/- 3° from Level
Weight Lbs.	48	48	46.8
Oscillation	Yes	Yes	Yes
Tubed	Yes	Yes	Yes





KAGE® KATCHER SPECS

Weight	Capacity	Dimensions
Steel - 79 lbs	5.8 cf	47x19x24 Inches
Aluminum - 50 lbs		



Exmark/Bobcat Intake Manifold
P/N: 10-762

Laser Z, Quest, Radius, Vertex, Turf Tracer, Bobcat

Wright Intake Manifold
P/N: 10-867

Stander B, X, ZK, Walk-behinds, zXL, zXT



Toro Intake Manifold
P/N: 10-756

Z Master, Titan



Scag Manifold Adapter
P/N: 10-967
Note: We recommend using this in combination with SCAG part #424212 (Turbo Baffle w/Catcher)

Turf Tiger II, Cheetah II, Tiger Cat II, Patriot

Ferris GD Manifold Adapter
P/N: 10-868
Note: For Grass Deflector only

300S, 500S, IS Series, ISX Series, SRS Stand on

Gravely/Ferris/Ariens Manifold Adapter
P/N: 10-967
Note: Ferris w/ Grass Deflector should use P/N 10-868

Pro-Turn, ZT HD, Ariens Zenith, Apex, 300S, 500S, IS Series, ISX Series, SRS



Universal Magnetic Adapter
P/N: 10-901

Gravely ZT Manifold Adapter
P/N: 10-971

ZT, ZT X, ZT XL



Compatible With



Zero Turn Mowers

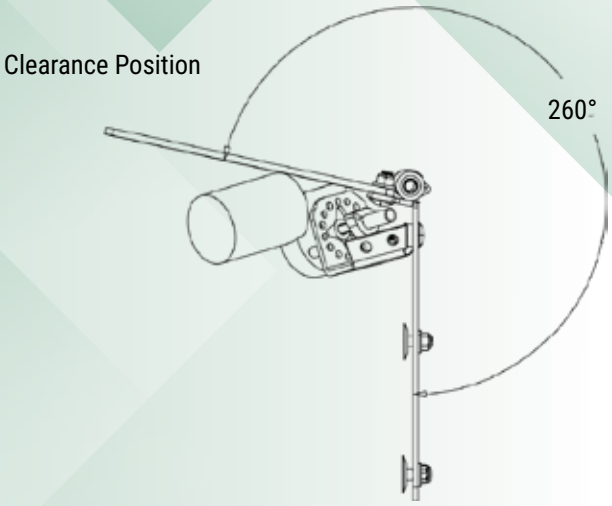


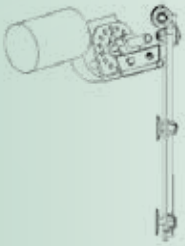
Stand On Mowers



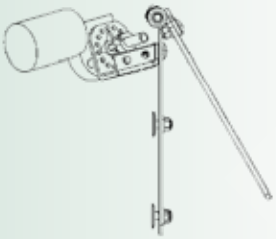
Walk Behind Mowers

GRASS DEFLECTOR SPECS





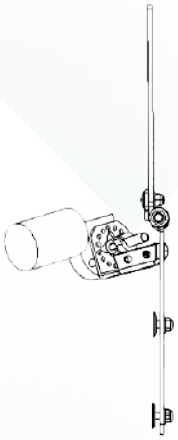
Closed Position



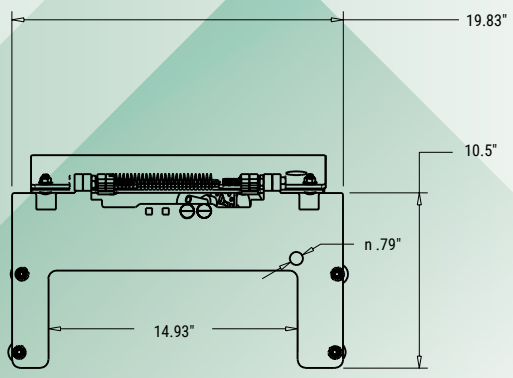
Ground Discharge

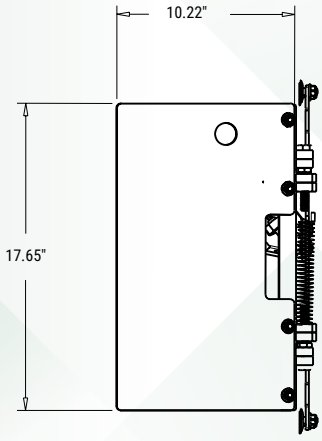


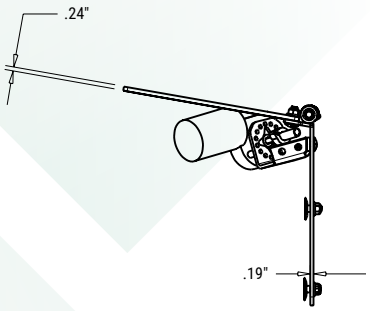
Horizontal Discharge



Open Position



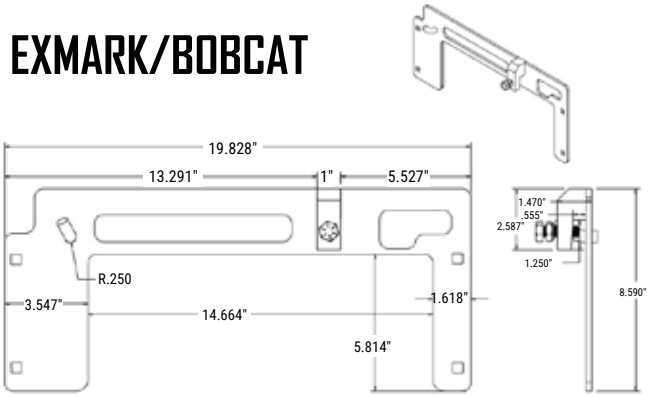




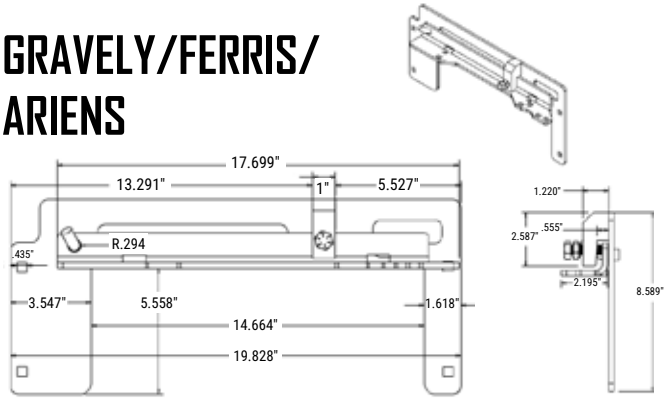
Available Mowers	Weight	Motor RPM	Flap Rotation
See available intake manifold sheet (Pages 74 & 76).	20 lbs	50	Can fold up to 260 degrees back depending on the mower

MOWER INTAKE MANIFOLDS

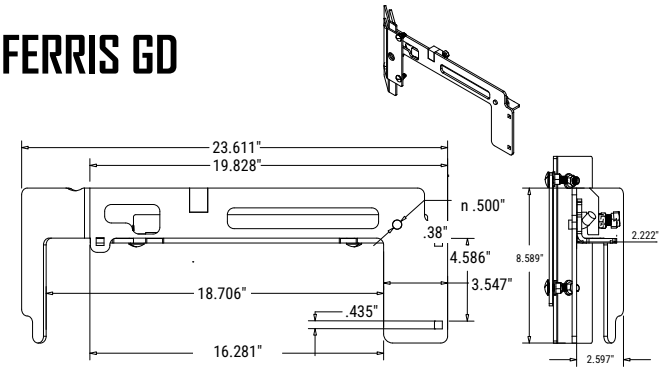
EXMARK/BOBCAT



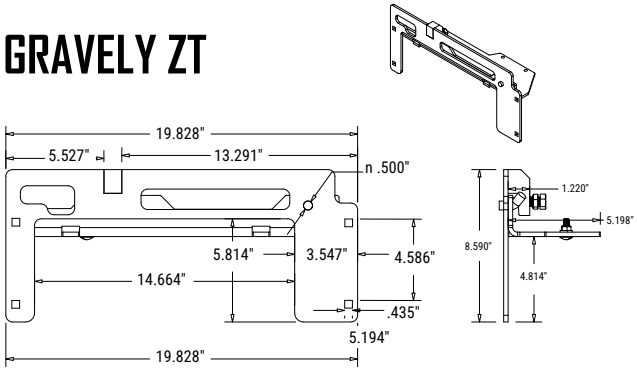
GRAVELY/FERRIS/ ARIENS



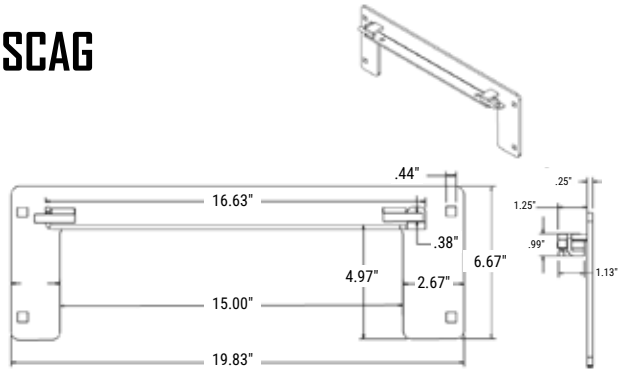
FERRIS GD



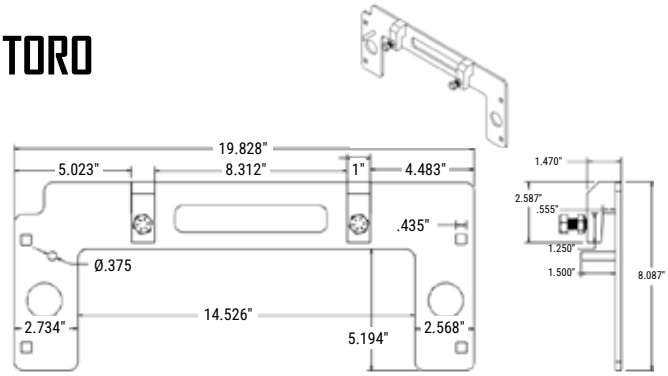
GRAVELY ZT



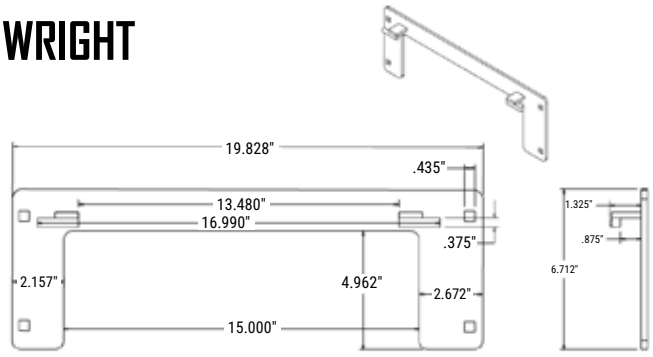
SCAG



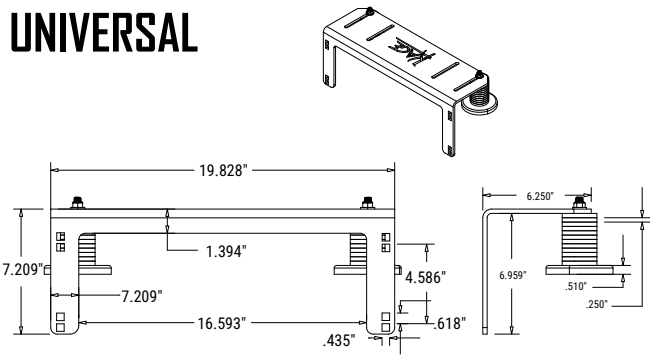
TORO



WRIGHT



UNIVERSAL

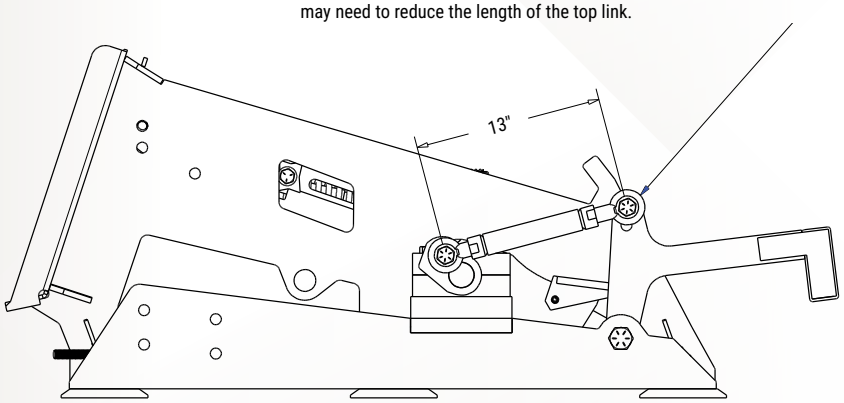


GREATER BAR™ SPECS

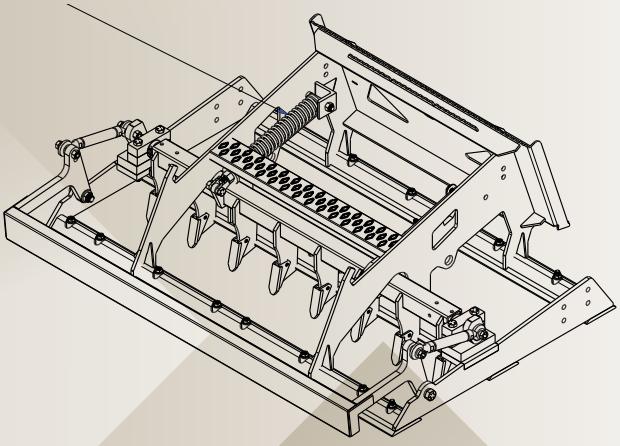
MODELS

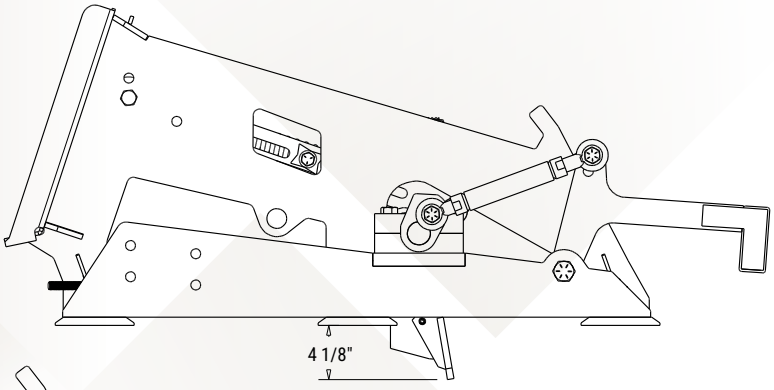
Model / Option #	Description
GBT48	GreatER Bar™ w/ Quick Rip 48"
GBT72	GreatER Bar™ w/ Quick Rip 72"
GBT84	GreatER Bar™ w/ Quick Rip 84"
GB48	GreatER Bar™ 48"
GB72	GreatER Bar™ 72"
GB84	GreatER Bar™ 84"

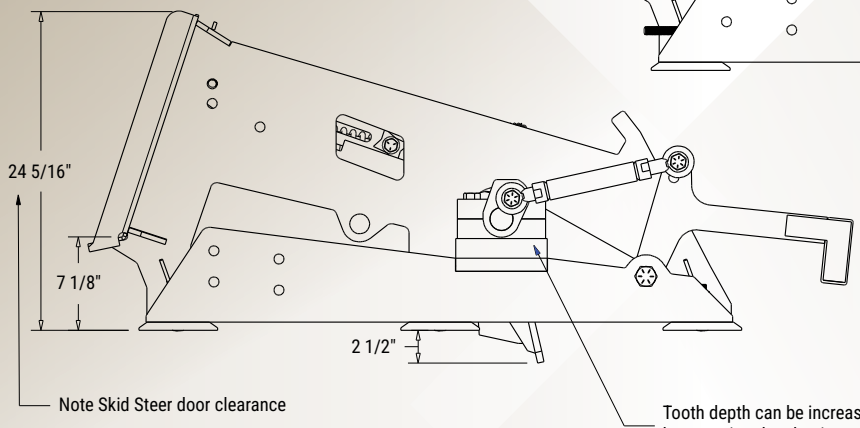
Default length for top link is 13". Lengthening or moving to the lower bolt hole will allow teeth deployment with less downward angle. However this will increase the pressure required to activate the teeth. Lighter machines may need to reduce the length of the top link.



Spring tubes should be visually checked for blockage before each use. Replace blades before wear in mounting angle begins








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THE USA

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EXPERIENCE DRIVEN ATTACHMENTS

KAGE Innovation, LLC
KAGEInnovation.com | 651-433-4628 | fax 651-344-0887

502 Simmon Drive
Osceola, WI 54020

PATENT INFORMATION

SNOWFIRE™ & SNOWSTORM™ - Patent #7941947, #7788829, #2574587, #2707963, #7654016
SHADOWBLADE™ - Patent #8776406, #2838416
ADVANTEDGE™ - Patent #10889949, #10865533, #12152357, Other Patents Pending
WINGLINE - Patent #11472331, Other Patents Pending
LIQUIDRAGE™ - Patent #11131075
GREATER BAR™ - 12180674, Other Patents Pending
SNOWFIRE™ WING, SNOWSTORM™ WING, & SNOWDOZER™ WING - Patents Pending