High-Speed Conservation Tillage

INTERCEPTOR® 8055





HIGH-SPEED CONSERVATION TILLAGE

THE KUHN KRAUSE INTERCEPTOR 8055 DELIVERS HIGH-SPEED CONSERVATION TILLAGE TO CONTROL STUBBORN, CHEMICAL RESISTANT WEED GROWTH, WHILE SIZING AND EVENLY DISTRIBUTING TOUGH RESIDUE THROUGHOUT THE WORKED SOIL PROFILE. THIS ACTION KILLS WEEDS, LIMITS POTENTIAL MOVEMENT OF WIND DRIVEN RESIDUE, BUILDS SOIL ORGANIC MATTER BY CONTRIBUTING TO RESIDUE BREAKDOWN, AND HELPS PREVENT FORMATION OF A RESIDUE MAT ON OR BELOW THE SOIL SURFACE WHICH COULD INHIBIT SEED SOIL CONTACT AND MOVEMENT OF MOISTURE AND NUTRIENTS THROUGHOUT THE PROFILE. STAR WHEEL™ TREADERS WITH 24/7® REELS OR THE NEW 25" CAGE ROLLER PROVIDE A CONSISTENT, UNIFORM FIELD FINISH.





RESIDUE HANDLING

North American agronomy practices, like increased seeding rates, GMO hybrids and even varying soil moisture conditions, must be reliably managed. The Interceptor's extended depth-of-frame design provides ample distance for residue and soil flow between two parallel rows of 22-inch diameter, 32-flute Excalibur® CT shallow concavity blades on 9-inch spacing.

IMPROVE SOIL TILTH

Compound blade angles have been developed and incorporated to provide optimum soil penetration without applying excessive backside blade pressure to the soil. Ample fore-to-aft space exists between the front and rear rows of blades to allow high-speed soil and residue flow to settle before contacting the rear row of blades.

QUALITY SEEDBED FINISHING

Star Wheel treaders and 24/7 finishing attachment with choice of heavy-duty flat or solid round bar reel or the 25" cage roller provide a consistent, uniform finish.

Summary

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Models	Working Width	Transport Width	Transport Height
8055-20	19' (5.8 m)	13'2" (4 m)	11'8" (3.5 m)
8055-25	24' (7.3 m)	13'1" (4 m)	14' (4.3 m)
8055-30	29' (8.9 m)	16'6" (5 m)	14'5" (4.4 m)
8055-36	35' (10.7 m)	18'11" (5.8 m)	14' (4.3 m)
8055-40	39'6" (12 m)	18'11" (5.8 m)	14' (4.3 m)

IS HIGH-SPEED TILLAGE RIGHT FOR YOU?

WHAT IS HIGH-SPEED CONSERVATION TILLAGE?

The aim of high-speed conservation tillage is to distribute residue throughout the worked profile, maximizing residue contact with soil for accelerated breakdown. This helps increase soil organic matter content and sets up most favorable conditions for earthworm biological activity, and moisture and nutrient movement through the profile.

WHAT SEASON IS BEST FOR THIS TYPE OF TILLAGE?

High-speed conservation tillage machines may be used after harvest in the fall to size and incorporate residue for breakdown over winter, or in the spring to remove weed growth and prepare a seedbed for planting. High forward speeds of up to 10 mph provide the opportunity to cover many acres in a day.

WHAT ARE THE CHARACTERISTICS OF A HIGH SPEED TILLAGE MACHINE?

Tillage machines designed for high-speed conservation tillage feature blades with limited concavity mounted on shallow compound angles to maximize mixing and limit soil inversion. This configuration places most of the machine weight on the cutting edge of the blade to maximize penetration and reduce compaction or smearing.

WHAT SETS THE INTERCEPTOR APART FROM COMPACT DISCS?

The Interceptor has been designed for North American crops, soils, and farming environment to ensure performance. Tandem blade layout, longer frame, depth gauged from frame wheels, variable pressure finishing attachments and 9" blade spacing all contribute to improved performance in heavy residue crops, wetter soil environments, and tough soils conditions.



EXCLUSIVE FEATURES

The KUHN Krause Interceptor offers several features designed to address specific high-speed tillage needs. Many popular high-speed tillage machines have a tendency to bounce at speeds of 7 - 10 mph, but the innovative Interceptor utilizes mechanical and hydraulic systems to moderate these actions and produce a level seedbed. High performance blades and bearings, tandem gang design, tines and finishing attachments ensure consistent soil and residue flow and seedbed quality.





MACHINE STABILITY CONTROL

- Unique stability control system combines a mechanical spring on the leveling linkage with gauge wheels that feature hydraulic down pressure
- Machine stability is maintained to prevent “hopping” and achieve a smooth field finish



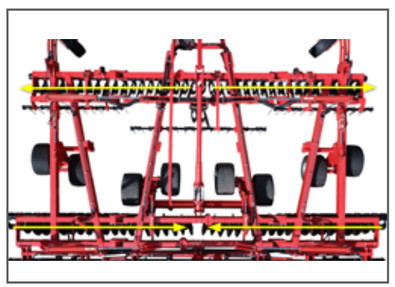
BLADE OPTIONS

- Smooth, Notched - 22" 5mm, Shallow Concavity or Excalibur® CT 32-flute design
- Mounted on shallow compound angle to limit compaction



HYDRAULIC CONTROL

- Down pressure on stabilizer wheels, wings, star wheel treaders and cage rollers is adjusted using valve blocks at the front of the machine



PARALLEL GANGS/TANDEM DESIGN

- Directs soil and residue both left and right for uniform distribution, preventing windrowing
- Distance between gangs allows excellent flow of material through the machine and prolonging operation in wet conditions



MID-MOUNT TINES

- Center mounted HD tines, incorporated into the frame area immediately behind the first rank of Excalibur CT blades, maintain full contact with the soil surface to initiate residue redistribution and soil leveling



FINISHING ATTACHMENTS

- Star Wheel™ treaders with 24/7® reel with choice of heavy-duty flat or solid round bar reel
- Large 25” diameter cage roller, with twelve 1-1/2” solid round rods, provides clod crushing and firming to achieve a quality fall seedbed or well-conditioned spring seedbed



ADDITIONAL FEATURES



GUARDIAN HITCH™
This exclusive option guards against stress on the tractor drawbar and implement frame. Lateral drawbar forces are transferred through the hitch pivot, where shock load from steering input is dampened by urethane blocks.



SINGLE-POINT DEPTH CONTROL
Blade depth is conveniently controlled with the crank adjustable depth stop located at the front of the machine. View working depth on the easy-to-read scale.



HIGH FLOTATION TIRES
High-flotation tires provide a larger surface for less soil compaction, improved depth control and greater machine stability at high speeds. Heavy duty walking beams deliver consistent and smooth field operation.

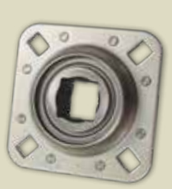
MAINTENANCE-FREE BEARINGS



Excalibur® CT bearing



Star Wheel™ treader bearing



24/7® reel bearing



Spherical pivot bearing

- No daily grease maintenance required for the maintenance free bearings, incorporated into the Excalibur® CT gang assemblies, Star Wheel™ treaders and 24/7® conditioning reels
- Spherical pivot bearing for each walking beam assembly requires no grease
- Rocker lift pivots and wing hinge points require no grease maintenance

Technical Specifications

	8055-20	8055-25	8055-30	8055-36	8055-40
Transport Width	13'2" (4 m)	13'1" (4 m)	16'6" (5 m)	18'11" (5.8 m)	18'11" (5.8 m)
Transport Height	11'8" (3.5 m)	14' (4.3 m)	14'5" (4.4 m)	14' (4.3 m)	14' (4.3 m)
Number of Blades	58	70	82	98	110
Working Width	19' (5.8 m)	24' (7.3 m)	29' (8.9 m)	35' (10.7 m)	39'6" (12 m)
Blade Spacing	9" (22.9 cm)	9" (22.9 cm)	9" (22.9 cm)	9" (22.9 cm)	9" (22.9 cm)
Weight	24,500 lb (11 113 kg)	25,500 lb (11 566 kg)	31,200 lb (14 153 kg)	37,500 lb (17 010 kg)	39,150 lb (17 758 kg)
Standard Equipment					
Hitch Type	CAT IV, 2-Hole Mount		CAT IV, 3-Hole Mount		CAT V, 3-Hole Mount
Tongue Type	Adjustable Level-Lift Tongue		Guardian Hitch™ (Cushion Tongue) Adjustable Level-Lift Tongue		
Fore / Aft Leveling	Mechanical Fore / Aft Adjustment				
Hydraulics	Cylinders, Color-Coded Hydraulic Hose Grips, All Hydraulic Hoses				
Wing Fold Cylinders	(4) 4" x 32" Cylinders	(4) 4" x 40" Cylinders		(4) 5" x 40" Cylinders, (2) 4" x 24" Cylinders, & (2) 5" x 24" Cylinders"	(4) 5" x 40" Cylinders & (4) 5" x 24" Cylinders"
Lift Cylinders	(2) 4.5" x 12" Cylinders & (2) 4.25" x 12" Cylinders				
Depth Control	Single-Point Hydraulic				
Blades	Smooth, Notched - 22", 5mm, Shallow Concavity				
Bearing Arms	Compound Angle with Isolator Torsion Cord Individual Mount				
Blade Hub Bearing	Maintenance-Free, Double Angular Contact Bearing, 6-Bolt Hub for Blade				
Mid-Mount Tines	Single Row Adjustable Angle Tine Bar with 5/8" x 30" Tines on 9" Spacing				
Center Section Wheels	Walking Beams with Spherical Pivot Bearings, Slip-In Spindles, 8-Bolt Heavy-Duty Regreaseable Hubs, (4) 380/55R16.5	Walking Beams with Spherical Pivot Bearings, Slip-In Spindles, 8-Bolt Heavy-Duty Regreaseable Hubs, (4) 480/45R17			
Wing Section Wheels	Walking Beams with Spherical Pivot Bearings, Slip-In Spindles, 8-Bolt Heavy-Duty Regreaseable Hubs, (4) 380/55R16.5	Walking Beams with Spherical Pivot Bearings, Slip-In Spindles, 8-Bolt Heavy-Duty Regreaseable Hubs, (4) 480/45R17			
Wing Stabilizer Wheels	(1) Adjustable, Front Mounted, Pivoting Stabilizer Wheel per Wing, 280/70R15 Tire				
Finishing Attachments	Cage Roller, 25" Diameter, 12 Solid 1-½" Bars, Removeable Bar for Rock Extraction, Maintenace-Free Bearings, Hydraulic Lift				
Optional Equipment					
Fore / Aft Leveling	Hydraulic				
Hitch Type	Not Applicable		CAT V, 3-Hole Mount		CAT IV, 3-Hole Mount
Tongue Type	Guardian Hitch™ (Cushion Tongue) Adjustable Level-Lift Tongue		Not Applicable		
Blades	Excalibur® CT Blades - 22", 5mm, 32-Flute Shallow Concavity				
Finishing Attachments	Star Wheel™ Gangs Mounted on 6 Degree Angles with Hydraulic Constant-Flow 24/7® Heavy-Duty Round or Flat Bar Reel with Hydraulic Lift Featuring Maintenance-Free Bearings				
Operating Information					
Recommended Operating Speed	8 - 10 mph (12 - 16 km/h) Rocky Conditions: 6 - 8 mph (9 - 13 km/h)				
Working Depth Range	2" - 5" (5 - 12.7 cm)				
Recommended Tractor Power	15 - 20 ENG HP/ft (37 - 49 kW/m)				

For more machine specifications, please visit www.kuhn.com

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