

TANDEM DISC HARROWS

7300 - 8100 - 8210 - 8310



www.KuhnKrause.com



Invest in Quality®

SEEDBED FINISHING TO PRIMARY TILLAGE

CLASS I — SEEDBED FINISHING

The Kuhn Krause 7300 and 8100 tandem disc harrows offer the quality and reliability you need for proper placement of your high value seeds. Offering excellent residue cutting and a level finish for maximum yield potential.

CLASS II — ALL-PURPOSE

For consistent residue handling and soil penetration in a variety of conditions, choose the 8210 tandem disc harrow. Available in a wide range of widths to match your needs including Quad-Fold™ models offering exceptional transport dimensions.

CLASS III — PRIMARY TILLAGE

The Kuhn Krause 8310 tandem disc harrow provides primary tillage operation in areas of heavy residue, where maximum soil penetration and residue mixing is required. Exclusive Kuhn Krause Residue Razor® blades slice the residue and deliver the mixing action required for residue break-down. A variety of sizes are available to match your tractor horsepower, including a Quad-Fold model for the largest size.



THE STRENGTH IS IN THE GANG



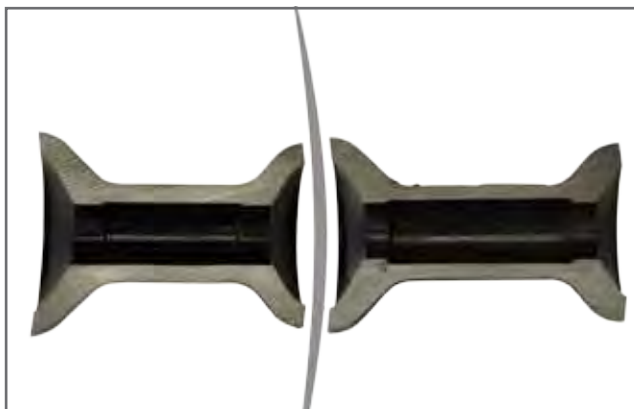
RESIDUE RAZOR® DISC BLADES

All Kuhn Krause Tandem Disc Harrows feature Residue Razor disc blades that are engineered with a unique Boron steel optimizing strength to withstand stress and fractures, and flexibility in rock conditions. Residue Razor discs have an exceptionally sharp edge, five times sharper than conventional blades.



ROCK-FLEX BEARING ARMS

Rock-Flex C-arm bearing hangers flex over the toughest obstacles protecting components from damage in rocky fields. Grease zerks for the SuperSeal gang bearings are protected by the Rock-Flex standard itself.



SPOOLS

Kuhn Krause heavy cast spools multiply the strength of the disc gang. Spools are line-bored for an exact fit on the tie rod and precision-faced to perfectly match the blade surface. A larger bell on the concave end and a smaller bell on the convex end provide an overlap fit against the blades, supporting the blade more positively without creating a stress line.



SUPERSEAL BEARINGS

Available on all Kuhn Krause Disc Harrows, SuperSeal bearings are encased in rubber with a triple-lip seal and steel side rings for added protection. Grease zerks are accessible from the top for easy service. Cast bearing housing bolts directly to C-arm to reduce movement and potential bearing pre-load.



GANGS

Gang angles vary by model and weight classification to optimize soil mixing and leveling for consistent performance. Rear gangs feature tapered blades to provide a level pass-to-pass finish. Bolton extension spool and furrow filler blade are standard equipment on Kuhn Krause discs so inadvertently hitting an obstacle doesn't damage the entire gang.

HI-CLEARANCE SCRAPERS

The 5-inch Hi-Clearance rigid scrapers on 8210/8310 Tandem Disc Harrows handle high amounts of residue. The shallow scraper angle and high integral mount offer better residue flow and blade-cleaning performance.

CLASS I SEEDBED FINISHING

Designed for seedbed finishing, Kuhn Krause 8100 Disc Harrows deliver excellent residue cutting and seedbed preparation. Proper seed placement is critical to maximize yield potential. These discs provide a good weight-to-blade ratio to ensure consistent operation in a variety of soil conditions.

8100 ROCK-FLEX TANDEM DISC HARROW

in brief

Models	Number of Discs	Number of Bearing Arms	Approximate Working Width
Narrow Spacing 8" (203 mm)			
8100-12	38	8	12'4" (3.7 m)
8100-14	42	8	13'7" (4.1 m)
8100-15	46	12	14'10" (4.5 m)
8100-16	50	12	16'2" (4.9 m)
Wide Spacing 9-1/8" (233 mm)			
8100-12	34	8	12'3" (3.7 m)
8100-14	38	8	13'9" (4.2 m)
8100-15	42	12	15'3" (4.6 m)
8100-18	50	12	18'1" (5.5 m)



8100 TANDEM DISC HARROW FEATURES

The 8100 disc harrow offers tillage versatility to the owners of 60 to 145 horsepower tractors. With features like Rock-Flex® bearing arms, 22" Residue Razor® disc blades, adjustable gang angle, dual wheels and a built-in rear hitch, the 8100 allows operators the ability to perform seed bed preparation and residue management with a variety of options.



COMBINATION HITCH

The combination hitch offers convenience for different styles of tractor drawbars.



ROCK-FLEX

Rock-Flex® bearing arms for protection from rocky or hard soil conditions.



ADJUSTABLE GANG ANGLE

Front gang angle is adjustable from 15° to 21°, and rear gang angle is adjustable from 12° to 18°.



SINGLE-POINT HYDRAULIC DEPTH CONTROL

Heavy-duty, rigid frame with simple, single-point hydraulic depth control.



CLASS I SEEDBED FINISHING

Designed for seedbed finishing, Kuhn Krause 7300 Disc Harrows deliver excellent residue cutting and seedbed preparation. Proper seed placement is critical to maximize yield potential. These discs provide a good weight-to-blade ratio to ensure consistent operation in a variety of soil conditions.

7300 TANDEM DISC HARROW FEATURES

The 7300 features 22" diameter blades with 17 degree front and rear gang angle. The 17 degree gang angles give the 7300 unmatched performance for residue sizing, soil mixing, herbicide incorporation and field finish while reducing draft and compaction. Choose from the Class I Seed Bed Finishing Model 7300 with narrow 7-3/4" blade spacing or the Class II All-Purpose Model 7300 with wide 9-1/8" blade spacing.



RIGID BEARING ARM

Cost-effective solution in non-rocky conditions. Consistent depth with limited lateral movement.



ROCK-FLEX BEARING ARM

Rock-Flex® bearing arms for protection from rocky or hard soil conditions.



WING WHEELS

Forward facing wing wheels rotate close to the front gangs for precise depth control and reduced gouging in terraced or rolling fields.



SINGLE-POINT DEPTH CONTROL

Standard on all 7300 tandem disc harrows, single-point depth control allows fine-tuning of working depth for variable seedbed conditions. The depth indicator is located on top of the tube for easy viewing.

7300 FLEX-WING AND ROCK-FLEX TANDEM DISC HARROW

in brief

Models	Number of Discs	Number of Bearing Arms	Approximate Working Width
Narrow Spacing 7-3/4" (197 mm)			
7300-18	58	16	18'2" (5.5 m)
7300-21	66	20	20'7" (6.3 m)
7300-24	78	20	24'4" (7.4 m)
7300-27	86	20	26'9" (8.2 m)
7300-31	102	26	31'8" (9.7 m)
7300-34	110	26	34'1" (10.3 m)
Wide Spacing 9-1/8" (233 mm)			
7300-18	50	16	18'1" (5.5 m)
7300-21	58	20	21'0" (6.4 m)
7300-24	66	18	23'11" (7.3 m)
7300-27	74	20	26'9" (8.2 m)
7300-31	86	26	31'1" (9.5 m)
7300-34	94	26	34'0" (10.4 m)

CLASS II ALL-PURPOSE

Class II Disc Harrows provide all-purpose operation in a variety of soil and residue conditions. A wide range of widths are available for a variety of tractor power requirements. Quad-fold models offer best in class transport widths while matching high horsepower tractors.

8210 ROCK-FLEX TANDEM DISC HARROW

in brief

Models	Number of Discs	Number of Bearing Arms	Approximate Working Width
Narrow Spacing 8" (203 mm)			
8210-19	62	18	18'10" (5.7 m)
8210-22	70	22	22'8" (6.9 m)
8210-25	78	22	25'2" (7.6 m)
8210-28	90	24	28'10" (8.8 m)
8210-31	98	26	31'4" (9.5 m)
8210-34	106	26	33'10" (10.3 m)
8210-36	114	28	36'5" (11.1 m)
8210-36QF	114	30	36'5" (11.1 m)
8210-38QF	118	32	37'8" (11.5 m)
Wide Spacing 9-1/8" (233 mm)			
8210-19	54	18	19'9" (6.0 m)
8210-22	62	22	22'7" (6.8 m)
8210-25	70	20	25'6" (7.7 m)
8210-28	78	22	28'5" (8.6 m)
8210-31	86	26	31'4" (9.5 m)
8210-34	94	26	34'2" (10.4 m)
8210-36	98	28	35'8" (10.8 m)
8210-36QF	98	30	35'8" (10.8 m)
8210-38QF	106	32	38'6" (11.7 m)
8210-41QF	114	32	41'5" (12.6 m)
8210-44QF	122	34	44'3" (13.5 m)



8210 TANDEM DISC HARROW FEATURES



With a choice of 22" or 24" diameter, 6 gauge or 1/4" thick Residue Razor disc blades on 8" or 9-1/8" spacing, producers can configure the 8210 Tandem Disc Harrow for optimum performance to match their residue and soil conditions. The 20 degree front and 19 degree rear gang angle provide consistent residue cutting and mixing. Heavy-duty 6" ductile iron spools, rock-flex bearing arms and heavy-duty SuperSeal bearings offer the strength and endurance that sets the 8210 above the competitors.

COMMON FEATURES

REDUCED MAINTENANCE

- No-Grease Wheel Rocker Pivots on Mainframe and Wings
- No-Grease Wing Hinge



HEAVY-DUTY TRANSPORT

- Heavy-Duty Center Wheel Rocker and Arms
- Walking Beams with Slip-In Spindles and Heavy-Duty Hubs



CLASS III PRIMARY

Class III Disc Harrows provide primary tillage operation where maximum soil penetration and residue mixing is required. A wide range of widths are available for a variety of tractor power requirements and Quad-Fold sizes provide exceptional transport dimensions.



8310 TANDEM DISC HARROW FEATURES

The Kuhn Krause 8310 Tandem Disc Harrow offers a choice between 24" or 26" 1/4" thick Residue Razor Disc blades spaced 9" or 10" apart on the front gang and 10" apart on the rear gang. Heavy-Duty 7" diameter ductile iron spools multiply the strength of the gang. The 22 degree gang angle on the front and 19 degree gang angle on the rear allow for optimum residue cutting and mixing in primary tillage conditions. Rock-Flex bearing arms and heavy-duty regreaseable SuperSeal bearings deliver the durability synonymous with the Kuhn Krause name.



QUAD-FOLD™

Exclusive Kuhn Krause Quad-Fold design featuring a rigid center section with folding inner and outer wings. Available on 8210 36' to 44' and 8310 37' sizes, Quad-Fold disc harrows provide exceptional transport dimensions making it easier to get from field to field.



REAR HITCH

The optional rear hitch features an extendable tongue that allows one person to easily connect the 8210/8310 to towed implements.

8310 ROCK-FLEX TANDEM DISC HARROW in brief

Models	Number of Discs	Number of Bearing Arms	Approximate Working Width
Narrow Spacing 9" (229 mm) Front, 10" (254 mm) Rear			
8310-19	52	16	19'10" (6.0 m)
8310-22	60	18	22'11" (7.0 m)
8310-25	66	22	24'7" (7.5 m)
8310-28	74	22	27'9" (8.5 m)
8310-31	82	26	30'11" (9.4 m)
8310-34	90	26	34'1" (10.4 m)
8310-37QF	100	30	37'3" (11.4 m)
Wide Spacing 10" (254 mm) Front, 10" (254 mm) Rear			
8310-19	50	16	19'10" (6.0 m)
8310-22	58	18	22'11" (7.0 m)
8310-25	62	20	24'7" (7.5 m)
8310-28	70	22	27'9" (8.5 m)
8310-31	78	24	30'11" (9.4 m)
8310-34	86	26	34'1" (10.4 m)
8310-37QF	94	30	37'3" (11.4 m)



24/7[®] LEVELING SYSTEMS

24/7 3-ROW COIL TINE HARROW

Featuring a parallel link leveling system for superior residue flow and even distribution the coil tine harrow offers an increase in yield potential and improved residue management even in high residue conditions. With 7/16" diameter, 16" long tines, the 24/7 Coil Tine Harrow ensures smoother residue distribution and better chemical incorporation.



3-BAR SPIKE HARROW

For excellent clod sizing in low to moderate residue conditions, the 3-bar spike harrow is an efficient way to create a level seedbed. Rugged 3/4" x 10" square spikes provide long lasting leveling.



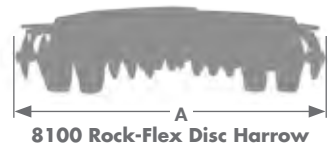
24/7 SOIL CONDITIONING REEL

For maximum clod sizing, leveling and soil firming the 24/7 Soil Conditioning reel is your choice. Choose the round, spiral rods for loamy soils or flat, spiral blades for high clay soils. A float setting widens the tillage/weather window when operating in wet soil conditions.



Specifications

8100 Rock-Flex Tandem Disc Harrow



Model Specifications					
MODELS	8100-12	8100-14	8100-15	8100-16	8100-18
DIMENSIONS					
A - Transport Width ¹	13'11" / 4.2 m	15'4" / 4.6 m	16'10" / 5.1 m	17'9" / 5.4 m "	19'8" / 6.0 m
SPECIFICATIONS Narrow Spacing					
Number of Disc Blades	38	42	46	50	N/A
Number of Bearing Arms	8	8	12	12	N/A
Disc Blade Spacing	8"				N/A
Approximate Working Width ²	12'4" / 3.7 m	13'7" / 4.1 m	14'10" / 4.5 m	16'2" / 4.9 m	N/A
Approximate Weight (lb / kg)	5,210 / 2363	5,518 / 2503	6,007 / 2725	6,449 / 2925	N/A
SPECIFICATIONS Wide Spacing					
Number of Disc Blades	34	38	42	N/A	50
Number of Bearing Arms	8	8	12	N/A	12
Disc Blade Spacing	9-1/8"			N/A	9-1/8"
Approximate Working Width ²	12'3" / 3.7 m	13'9" / 6.4 m	15'3" / 4.6 m	N/A	18'1" / 5.5 m
Approximate Weight (lb / kg)	5,053 / 2292	5,365 / 2434	5,861 / 2658	N/A	6,568 / 2979
Standard Equipment					
Hitch	Combination 1-1/2" (38 mm) Pin Hole				
Hydraulics	Color-Coded Hydraulic Hose Grips, Royal Plate Plus® Cylinder Rods				
Depth Control	Mechanical Stroke Control				
Transport Locks and Safety	Tongue Jack, High Visibility LED Lighting, SMV Sign				
Disc Gangs					
Disc Gangs	1-3/4" Round Diameter Alloy Tie Rod, 6" Ductile Iron Spools, Rock-Flex Bearing Arms, Flexible C-Type 1" x 2-1/2", Regreaseable SuperSeal Bearing				
Disc Blades	22" x 6 ga Residue Razor® Solid Edge, Bolt-On Furrow Filler				
Taper Blades	Front 22" - 20", Rear 20" - 18" - 16"				
Disc Blade Spacing	Narrow 8", Wide 9-1/8"				
Disc Gang Angle	Front 15, 18, 21 degrees, Rear 12, 15, 18 degrees				
Disc Scrapers	3-1/2" / 8.9 cm Wide				
Tires/Wheels					
Tires/Wheels	Four 9.5L x 15" 8-ply, Duals, 6-Bolt Heavy-Duty Hubs				
Optional Equipment					
Disc Blades	22" x 1/4" Notched Edge 22" x 1/4" Residue Razor Solid Edge				
Disc Scrapers	Adjustable Dual Scrapers at Bearing Arm Locations				
Finishing Attachments	3-Bar, 16" Tine Harrow				
Operating Information					
Recommended Speed of Operation	4 to 6 mph / 6 to 9 k/h				
Recommended Working Depth	5" / 12.7 cm				
Recommended Tractor Power ³	5 to 8 PTO HP per Foot				

¹ Approximate transport width, height and weight shown with optional finishing attachments.

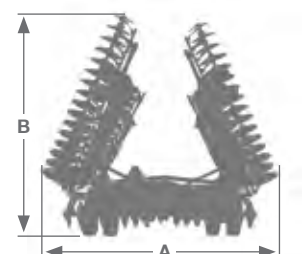
² RTK Working Width

³ Estimates only. Horsepower requirements will vary by geography and soil type.

N/A - Not Applicable

Specifications

7300 Flex-Wing Tandem Disc Harrow



7300 Flex-Wing Disc Harrow

Model Specifications						
MODELS	7300-18	7300-21	7300-24	7300-27	7300-31	7300-34
DIMENSIONS						
A - Transport Width ¹	10'11" / 3.3 m	10'11" / 3.3 m	14'7" / 4.4 m	14'7" / 4.4 m "	16'4" / 5.0 m	16'4" / 5.0 m
B - Transport Height ¹	10'2" / 3.1 m	11'7" / 3.5 m	11'6" / 3.5 m	12'10" / 3.9 m	14'2" / 4.3 m	15'6" / 4.7 m
SPECIFICATIONS Narrow Spacing (7-3/4")						
Frame Type	3-Section					
Number of Disc Blades	58	66	78	86	102	110
Number of Bearing Arms	16	20	20	20	26	26
Approximate Working Width ²	18'2" / 5.5 m	20'7" / 6.3 m	24'4" / 7.4 m	26'9" / 8.2 m	31'8" / 9.7 m	34'1" / 10.4 m
Approximate Weight (lb / kg)	8717 / 3954	9409 / 4268	10745 / 4874	11172 / 5068	12899 / 5851	13347 / 6054
SPECIFICATIONS Wide Spacing (9-1/8")						
Frame Type	3-Section					
Number of Disc Blades	50	58	66	74	86	94
Number of Bearing Arms	16	20	20	20	26	26
Approximate Working Width ²	18'1" / 5.5 m	21'0" / 6.4 m	23'11" / 7.3 m	26'9" / 8.2 m	31'1" / 9.5 m	34'0" / 10.4 m
Approximate Weight (lb / kg)	8447 / 3845	9208 / 4177	10503 / 4800	10848 / 4921	12399 / 5624	12880 / 5842
Standard Equipment						
Hitch	Combination 1-1/2" Pin Hole				Combination 2" Pin Hole	
Mechanical Leveling	Fore-to-Aft Turnbuckle Adjustable, LevelLift Hitch with Mechanical Leveling					
Hydraulics	Color-Coded Hydraulic Hose Grips, Royal Plate Plus® Cylinder Rods					
Depth Control	Single-Point Hydraulic Depth Control					
Transport Locks and Safety	Hydraulic Valve Wing-Fold and Transport Locks, High Visibility LED Lighting, SMV Sign					
Disc Gangs						
Disc Gangs	1-3/4" Round Diameter Alloy Tie Rod, 6" Ductile Iron Spools, Rigid Bearing Arms, Regreaseable SuperSeal Bearings					
Disc Blades	22" x 7 ga Residue Razor® Solid Edge, Bolt-On Furrow Filler					
Taper Blades	Front 22" - 20", Rear 20" - 18" - 16"					
Disc Gang Angle	17 Degrees Front and Rear					
Disc Scrapers	3-1/2" / 8.9 cm Wide					
Tires/Wheels						
Center Section	Four 11L x 15" 12-ply, Duals, 6-Bolt Heavy-Duty Hubs		Four 11L x 15" FI, Walking Beams, 6-Bolt Heavy-Duty Hubs			
Wing Section	One 11L x 15" 8-ply per Wing, Single, 6-Bolt Heavy-Duty Hubs		Two 11L x 15" 8-ply per Wing, Duals, 6-Bolt Heavy-Duty Hubs			
Optional Equipment						
Leveling	Hydraulic Fore-to-Aft Leveling					
Disc Gangs	22" 6 ga Residue Razor® Solid Edge					
Tires/Wheels						
Center Section	Four 11L x 15" 12-ply, Walking Beams		N/A			
Wing Section	N/A		Two 11L x 15" 8-ply per Wing, Walking Beams			
Rear Hitch	Rear Hitch for Packer (Not for Use with Finishing Attachments)					
Finishing Attachments	3-Bar Harrow, 16" CoilTine					
Operating Information						
Recommended Speed of Operation	5 to 7 mph / 8 to 11 k/h					
Recommended Working Depth	5" / 12.7 cm					
Recommended Tractor Power ³	6 to 9 PTO HP per Foot					

¹ Approximate transport width, height and weight shown with optional finishing attachments.

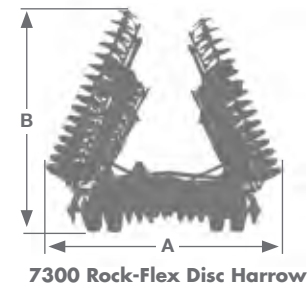
² RTK Working Width

³ Estimates only. Horsepower requirements will vary by geography and soil type.

N/A - Not Applicable

Specifications

7300 Rock-Flex Tandem Disc Harrow



Model Specifications						
MODELS	7300-18	7300-21	7300-24	7300-27	7300-31	7300-34
DIMENSIONS						
A - Transport Width ¹	10'11" / 3.3 m	10'11" / 3.3 m	14'7" / 4.4 m	14'7" / 4.4 m "	16'4" / 5.0 m	16'4" / 5.0 m
B - Transport Height ¹	10'2" / 3.1 m	11'7" / 3.5 m	11'6" / 3.5 m	12'10" / 3.9 m	14'2" / 4.3 m	15'6" / 4.7 m
SPECIFICATIONS Narrow Spacing (7-3/4")						
Frame Type	3-Section					
Number of Disc Blades	58	66	78	86	102	110
Number of Bearing Arms	16	20	20	20	26	26
Approximate Working Width ²	18'2" / 5.5 m	20'7" / 6.3 m	24'4" / 7.4 m	26'9" / 8.2 m	31'8" / 9.7 m	34'1" / 10.4 m
Approximate Weight (lb / kg)	8717 / 3954	9409 / 4268	10745 / 4874	11172 / 5068	12899 / 5851	13347 / 6054
SPECIFICATIONS Wide Spacing (9-1/8")						
Frame Type	3-Section					
Number of Disc Blades	50	58	66	74	86	94
Number of Bearing Arms	16	20	20	20	26	26
Approximate Working Width ²	18'1" / 5.5 m	21'0" / 6.4 m	23'11" / 7.3 m	26'9" / 8.2 m	31'1" / 9.5 m	34'0" / 10.4 m
Approximate Weight (lb / kg)	8447 / 3845	9208 / 4177	10503 / 4800	10848 / 4921	12399 / 5624	12880 / 5842
Standard Equipment						
Hitch	Combination 1-1/2" Pin Hole				Combination 2" Pin Hole	
Mechanical Leveling	Fore-to-Aft Turnbuckle Adjustable, Level-Lift Hitch with Mechanical Leveling					
Hydraulics	Color-Coded Hydraulic Hose Grips, Royal Plate Plus® Cylinder Rods					
Depth Control	Single-Point Hydraulic Depth Control					
Transport Locks and Safety	Hydraulic Valve Wing-Fold and Transport Locks, High Visibility LED Lighting, SMV Sign					
Disc Gangs						
Disc Gangs	1-3/4" Round Diameter Alloy Tie Rod, 6" Ductile Iron Spools, Rock-Flex Bearing Arms, Regreaseable SuperSeal Bearings					
Disc Blades	22" x 7 ga Residue Razor® Solid Edge, Bolt-On Furrow Filler					
Taper Blades	Front 22" - 20", Rear 20" - 18" - 16"					
Disc Gang Angle	17 Degrees Front and Rear					
Disc Scrapers	3-1/2" Rigid Scrapers					
Tires/Wheels						
Center Section	Four 11L x 15" 12-ply, Duals, 6-Bolt Heavy-Duty Hubs		Four 11L x 15" FI, Walking Beams, 6-Bolt Heavy-Duty Hubs			
Wing Section	One 11L x 15" 8-ply per Wing, Single, 6-Bolt Heavy-Duty Hubs		Two 11L x 15" 8-ply per Wing, Duals, 6-Bolt Heavy-Duty Hubs			
Optional Equipment						
Leveling	Hydraulic Fore-to-Aft Leveling					
Disc Gangs	22" 6 ga Residue Razor® Solid Edge					
Disc Scrapers	3-1/2" Rigid Scrapers with Double Scrapers at Bearing Arms					
Tires/Wheels						
Center Section	Four 11L x 15" 12-ply, Walking Beams		N/A			
Wing Section	N/A		Two 11L x 15" 8-ply per Wing, Walking Beams			
Rear Hitch	Rear Hitch for Packer (Not for Use with Finishing Attachments)					
Finishing Attachments	3-Bar Harrow, 16" CoilTine					
Operating Information						
Recommended Speed of Operation	5 to 7 mph / 8 to 11 k/h					
Recommended Working Depth	5" / 12.7 cm					
Recommended Tractor Power ³	6 to 9 PTO HP per Foot					

¹ Approximate transport width, height and weight shown with optional finishing attachments.

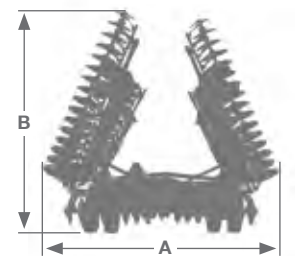
² RTK Working Width

³ Estimates only. Horsepower requirements will vary by geography and soil type.

N/A - Not Applicable

Specifications

8210 Rock-Flex Tandem Disc Harrow 3-Section



8210 Flex-Wing Disc Harrow

Model Specifications		8210 Flex-Wing Disc Harrow						
MODELS		8210-19	8210-22	8210-25	8210-28	8210-31	8210-34	8210-36
DIMENSIONS								
A - Transport Width ¹		12'2" / 3.7 m	12'2" / 3.7 m	13'7" / 4.1 m	16'9" / 5.1 m	16'9" / 5.1 m	16'9" / 5.1 m	16'9" / 5.1 m
B - Transport Height ¹		10'8" / 3.3 m	11'10" / 3.6 m	11'11" / 3.6 m	12'6" / 3.8 m	13'6" / 4.1 m	14'9" / 4.5 m	15'6" / 4.7
SPECIFICATIONS Narrow Spacing (8")								
Frame Type	3-Section							
Number of Disc Blades		62	70	78	90	98	106	114
Number of Bearing Arms		18	22	22	24	26	26	28
Approximate Working Width ²		18'10" / 5.7 m	22'8" / 6.9 m	25'2" / 7.6 m	28'10" / 8.8 m	31'4" / 9.5 m	33'10" / 10.3 m	36'5" / 11.1 m
Approximate Weight (lb / kg)		11,344 / 5146	12,133 / 5503	13,601 / 6169	15,767 / 7152	17,205 / 7804	17,744 / 8049	19,093 / 8660
SPECIFICATIONS Wide Spacing (9-1/8")								
Frame Type	3-Section							
Number of Disc Blades		54	62	70	78	86	94	98
Number of Bearing Arms		18	22	20	22	26	26	26
Approximate Working Width ²		19'9" / 6.0 m	22'7" / 6.8 m	25'6" / 7.7 m	28'5" / 8.6 m	31'4" / 9.5 m	34'2" / 10.4 m	35'8" / 10.8 m
Approximate Weight (lb / kg)		10,952 / 4968	11,753 / 5331	13,131 / 5956	15,103 / 6851	16,635 / 7546	17,189 / 7797	18,186 / 8249
Standard Equipment								
Hitch	Ductile Tongue-Type for 1-1/2" Pin				Ductile Tongue-Type for 2" Pin			
Hitch Leveling	Turnbuckle Adjustable, Level-Lift Hitch with Mechanical Leveling							
Hydraulics	Color-Coded Hydraulic Hose Grips, Royal Plate Plus® Cylinder Rods							
Depth Control	Single-Point Hydraulic Depth Control							
Transport Locks and Safety	Hydraulic Valve Wing-Fold and Transport Locks, High Visibility LED Lighting, SMV Sign							
Disc Gangs								
Disc Gangs	1-3/4" (4.5cm) Round Diameter Alloy Tie Rod, Heavy-Duty 6" (15.2cm) Ductile Iron Spools, Regreasable 211 SuperSeal Bearings							
Disc Gang Bearing Arms	Flexible C-Type 1-1/4" x 2-1/2"							
Disc Blades	22" x 6 ga Residue Razor® Solid Edge, Bolt-On Furrow Filler							
Taper Blades	Front 22" - 20", Rear 20" - 18" - 16"							
Disc Gang Angle	20 Degrees Front, 19 Degrees Rear							
Disc Scrapers	5" Hi-Clearance Rigid Scrapers with Dual Scrapers at Bearing Arm Locations							
Tires/Wheels								
Center Section	Four 11L x 15" FI, Walking Beams with Slip-In Spindles, 6-Bolt Heavy-Duty Hubs				Four 12.5L x 15" FI, Walking Beams with Slip-In Spindles, 8-Bolt Heavy-Duty Hubs			
Wing Section	Two 11L x 15", 8-ply per Wing, Walking Beams with Slip-in Spindles, 6-Bolt Heavy-Duty Hubs				Two 10 x 15", 8-ply per wing, Walking Beams with Slip-In Spindles, 6-Bolt Heavy-Duty Hubs			
Optional Equipment								
Leveling	Hydraulic Fore-to-Aft Leveling							
Disc Blades	22" 6 ga Residue Razor® Solid Edge, 22" x 1/4" Residue Razor Solid Edge 24" x 6 ga Residue Razor Solid Edge, 24" x 1/4" Residue Razor Solid Edge							
Taper Blades	24" Models Tapered Front 24" - 22", Rear 24" - 22" - 20" - 18"							
Wing Gauge Wheels	Two 20.5 x 8 Load Range E, Front Mounted Castering							
Rear Hitch	Rear Hitch for Packer (Not for Use with Finishing Attachments)							
Finishing Attachments	24/7® 3-Row 16" Tine Harrow 3-Bar Spike Harrow 24/7® Soil Conditioning Reel with Float Position (Flat or Round Spiral Reels)							
Operating Information								
Recommended Speed of Operation	5 to 7 mph / 8 to 11 k/h							
Recommended Working Depth	6" / 15.4 cm							
Recommended Tractor Power ³	7 to 9 PTO HP per Foot							

¹ Approximate transport width, height and weight shown with optional finishing attachments.

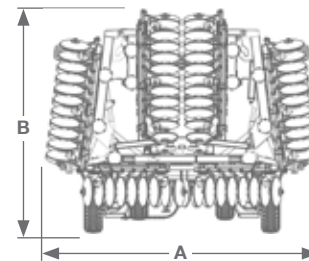
² RTK Working Width

³ Estimates only. Horsepower requirements will vary by geography and soil type.

N/A - Not Applicable

Specifications

8210 Rock-Flex Tandem Disc Harrow Quad-Fold™



8210 Flex-Wing Disc Harrow Quad-Fold

Model Specifications				
MODELS	8210-36QF	8210-38QF	8210-41QF	8210-44QF
DIMENSIONS				
A - Transport Width ¹	17'5" / 5.3 m	17'5" / 5.3 m	17'7" / 5.4 m	17'7" / 5.4 m
B - Transport Height ¹	13'5" / 4.0 m	13'5" / 4.0 m	13'10" / 4.2 m	13'10" / 4.2 m
SPECIFICATIONS Narrow Spacing (8'')				
Frame Type	5-Section Quad-Fold			
Number of Disc Blades	114	118	N/A	
Number of Bearing Arms	30	32		
Approximate Working Width ²	36'5" / 11.1 m	37'8" / 11.5 m		
Approximate Weight (lb / kg)	22,012 / 9984	22,379 / 10151		
SPECIFICATIONS Wide Spacing (9-1/8'')				
Frame Type	5-Section Quad-Fold			
Number of Disc Blades	98	106	114	122
Number of Bearing Arms	30	32	32	34
Approximate Working Width ²	35'8" / 10.8 m	38'6" / 11.7 m	41'5" / 12.6 m	44'3" / 13.5 m
Approximate Weight (lb / kg)	21,242 / 9635	21,842 / 9907	26,000 / 11793	27,000 / 12246
Standard Equipment				
Hitch	Guardian Hitch™, Ductile Tongue-Type for 2'' Pin			
Hitch Leveling	Turnbuckle Adjustable, Level-Lift Hitch with Mechanical Leveling			
Hydraulics	Color-Coded Hydraulic Hose Grips, Royal Plate Plus® Cylinder Rods			
Depth Control	Single-Point Hydraulic Depth Control			
Transport Locks and Safety	Hydraulic Valve Wing-Fold and Transport Locks, High Visibility LED Lighting, SMV Sign		Hydraulic Valve Wing-Fold and Transport Locks, High Visibility LED Lighting, SMV Sign, Wing Wheel Transport Tuck Valve	
Disc Gangs				
Disc Gangs	1-3/4'' (4.5cm) Round Diameter Alloy Tie Rod, Heavy-Duty 6'' (15.2cm) Ductile Iron Spools, Regreasable 211 SuperSeal Bearings			
Disc Gang Bearing Arms	Flexible C-Type 1-1/4'' x 2-1/2''			
Disc Blades	22'' x 6 ga Residue Razor® Solid Edge, Bolt-On Furrow Filler			
Taper Blades	Front 22'' - 20'', Rear 20'' - 18'' - 16''			
Disc Gang Angle	20 Degrees Front, 19 Degrees Rear			
Disc Scrapers	5'' Hi-Clearance Rigid Scrapers with Dual Scrapers at Bearing Arm Locations			
Tires/Wheels				
Center Section	Four 12.5L x 15'' FI, Walking Beams with Slip-In Spindles, 8-Bolt Heavy-Duty Hubs		Four 380/60 R 16.5, Walking Beams with Slip-In Spindles, 8-Bolt Heavy-Duty Hubs	
Wing Section	Two 10 x 15'', 8-ply per Wing, Walking Beams with Slip-In Spindles, 6-bolt Heavy-Duty Hubs			
Wing Gauge Wheels	Two 20.5 x 8 Load Range E Castering Gauge Wheels		Two 20.5 x 8 Load Range E Outer Wing Castering Gauge Wheels	
Optional Equipment				
Leveling	Hydraulic Fore-to-Aft Leveling			
Disc Blades Narrow Spacing (8'')	22'' x 1/4'' Residue Razor Solid Edge, 30-241S		N/A	
Disc Blades Wide Spacing (9-1/8'')	22'' 6 ga Residue Razor® Solid Edge, 22'' x 1/4'' Residue Razor Solid Edge 24'' x 6 ga Residue Razor Solid Edge, 24'' x 1/4'' Residue Razor Solid Edge			
Taper Blades	24'' Models Tapered Front 24'' - 22'', Rear 24'' - 22'' - 20'' - 18''			
Rear Hitch	Rear Hitch for Packer (Not for Use with Finishing Attachments)			
Finishing Attachments	24/7® 3-Row 16'' Tine Harrow 3-Bar Spike Harrow 24/7® Soil Conditioning Reel with Float Position (Flat or Round Spiral Reels)			
Operating Information				
Recommended Speed of Operation	5 to 7 mph / 8 to 11 k/h			
Recommended Working Depth	6'' / 15.4 cm			
Recommended Tractor Power ³	7 to 9 PTO HP per Foot			

¹ Approximate transport width, height and weight shown with optional finishing attachments.

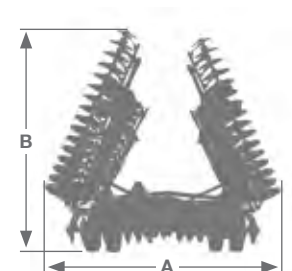
² RTK Working Width

³ Estimates only. Horsepower requirements will vary by geography and soil type.

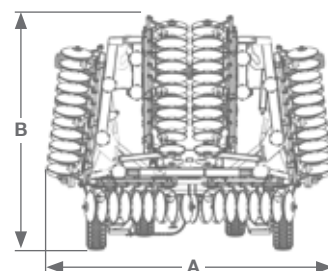
N/A - Not Applicable

Specifications

8310 Rock-Flex Tandem Disc Harrow



8310 Flex-Wing Disc Harrow



8310 Flex-Wing Disc Harrow Quad-Fold™

Model Specifications

MODELS	8310-19	8310-22	8310-25	8310-28	8310-31	8310-34	8310-37QF
DIMENSIONS							
A - Transport Width ¹	12'2" / 3.7 m	12'2" / 3.7 m	14'1" / 4.3 m	17' / 5.2 m "	17' / 5.2 m	17' / 5.2 m	17'7" / 5.3 m
B - Transport Height ¹	10'9" / 3.3 m	12'2" / 3.7 m	11'11" / 3.6 m	13' / 4.0 m	13'10" / 4.2 m	14'8" / 4.5 m	13'5" / 4.1
SPECIFICATIONS Narrow Spacing (9" Front, 10" Rear)							
Frame Type	3-Section						5-Section Quad-Fold
Number of Disc Blades	52	60	66	74	82	90	100
Number of Bearing Arms	16	18	22	22	26	26	30
Approximate Working Width ²	19'10" / 6.0 m	22'11" / 7.0 m	24'7" / 7.5 m	27'9" / 8.5 m	30'11" / 9.4 m	34'1" / 10.4 m	37'3" / 11.4 m
Approximate Weight (lb / kg)	12,243 / 5553	13,653 / 6193	15,032 / 6818	16,498 / 7483	17,798 / 8073	19,606 / 8893	24,035 / 10902
SPECIFICATIONS Wide Spacing (10" Front, 10" Rear)							
Frame Type	3-Section						5-Section Quad-Fold
Number of Disc Blades	50	58	62	70	78	86	94
Number of Bearing Arms	16	18	20	22	24	26	30
Approximate Working Width ²	19'10" / 6.0 m	22'11" / 7.0 m	24'7" / 7.5 m	27'9" / 8.5 m	30'11" / 9.4 m	34'1" / 10.4 m	37'3" / 11.4 m
Approximate Weight (lb / kg)	12,156 / 5514	13,557 / 6149	14,651 / 6646	16,341 / 7412	17,454 / 7917	19,415 / 8806	23,702 / 10751
Standard Equipment							
Hitch	Ductile Tongue-Type 1-1/2" (38 mm) Pin			Ductile Tongue-Type 2" (50 mm) Pin			Guardian Hitch™ 2" (50 mm) Pin
Hitch Leveling	Turnbuckle Adjustable, LevelLift Hitch with Mechanical Leveling						
Hydraulics	Color-Coded Hydraulic Hose Grips, Royal Plate Plus® Cylinder Rods						
Depth Control	Single-Point Hydraulic Depth Control						
Transport Locks and Safety	Hydraulic Valve Wing-Fold and Transport Locks, High Visibility LED Lighting, SMV Sign						
Disc Gangs							
Disc Gangs	1-3/4" Round Diameter Alloy Tie Rod, Heavy-Duty 7" Ductile Iron Spools, Regreasable 211 SuperSeal Bearings						
Disc Gang Bearing Arms	Rock-Flex Bearing Arms, Flexible C-Type 1-1/4" x 2-1/2"						
Disc Blades	24" x 1/4" Residue Razor® Solid Edge, Bolt-On Furrow Filler						
Taper Blades	Front 24" - 22", Rear 24" - 22" - 20" - 18"						
Disc Gang Angle	22 Degrees Front, 19 Degrees Rear						
Disc Scrapers	5" Hi-Clearance Rigid Scrapers with Dual Scrapers at Bearing Arm Locations						
Tires/Wheels							
Center Section	Four 11L x 15" FI, Walking Beams with Slip-In Spindles, 6-Bolt Heavy Duty Hubs			Four 12.5L x 15" FI, Walking Beams with Slip-In Spindles, 8-Bolt Heavy-Duty Hubs			
Wing Section	Two 11L x 15" 8-ply per Wing, Walking Beams with Slip-In Spindles, 6-Bolt Heavy-Duty Hubs			Two 10.00 x 15" 8-ply per Wing, Walking Beams with Slip-In Spindles, 6-Bolt Heavy-Duty Hubs			
Castering Wing Gauge Wheels	N/A						Two 20.5 x 8 Load Range E
Optional Equipment							
Leveling	Hydraulic Fore-to-Aft Leveling						
Disc Blades	26" x 1/4" Residue Razor Solid Edge						
Wing Gauge Wheels	Two 20.5 x 8 Load Range E						N/A
Rear Hitch	Rear Hitch for Packer (Not for Use with Harrow Attachments)						
Finishing Attachments	24/7® 3-Row 16" Tine Harrow						
	3-Bar Spike Harrow						
	24/7® Soil Conditioning Reel with Float Position (Flat or Round Spirals)						
Operating Information							
Recommended Speed of Operation	4 to 6 mph / 6 to 10 k/h						
Recommended Working Depth	8" / 20.3 cm						
Recommended Tractor Power ³	8 to 10 PTO HP per Foot						

¹ Approximate transport width, height and weight shown with optional finishing attachments.

² RTK Working Width

³ Estimates only. Horsepower requirements will vary by geography and soil type.

N/A - Not Applicable

8210 / 8310 Disc Harrows

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.



HYDRAULIC FORE-TO-AFT LEVELING

Optional hydraulic leveling allows for field-to-field front-to-rear leveling adjustments without leaving the cab.



SINGLE-POINT DEPTH CONTROL

Adjust working depth across the entire disc from a single location with a convenient crank at the front of the disc. Fine-tune depth using the indicator decal. Five turns changes the operating depth by one inch.



CASTERING GAUGE WHEELS

To help pivot with the disc harrow on contours instead of creating a furrow, the castering gauge wheels are standard on the Quad-Fold models and optional on others. The wrenchless adjustment makes setting easier than ever.



WALKING BEAMS

Walking beams allow for consistent working depth on rough ground and more stable road transport. Standard on all 8210 and 8310 Disc Harrows.







SELF-LEVELING HITCH

The massive A-frame hitch on the 8210/8310 Disc Harrows uses a standard turnbuckle adjusted self-leveling system. Once adjusted for the tractor's drawbar height, the unit maintains level working position even when depth changes are made.

TANDEM DISC HARROW CLASSIFICATION

TANDEM DISC HARROW CLASSIFICATION

		Class I Seedbed Finishing <ul style="list-style-type: none"> • 100-140 lbs per blade • 22" blades • Moderate crop residue management • High-speed tillage and leveling 	Class II All-Purpose <ul style="list-style-type: none"> • 140-210 lbs per blade • 22" or 24" blades • Primary tillage or seedbed finishing • Heavy crop residue management 	Class III Primary <ul style="list-style-type: none"> • 210 - 250 lbs per blade • 24" or 26" blades • Primary tillage or extreme conditions • Heavy crop residue management
	8100N	++	+	
	8100W	+	++	
	7300N	++	+	
	7300W	+	++	
	8210N	++	++	
	8210W		++	
	8310N		++	
	8310W		+	

For more information about your nearest Kuhn Krause dealer and other Kuhn Krause products, visit our website at **www.KuhnKrause.com**

Kuhn Krause, Inc.

305 South Monroe; P.O. Box 2707; Hutchinson, KS; 67504
Phone: (620) 663-6161 - Fax: (620) 662-5903



Your Kuhn Krause dealer

Our machines comply with the North-American safety regulations. In our leaflets, to better illustrate certain details of the machines some safety devices could have been removed. Conforming to the assembly and operator's manual, in no circumstances must machine be operated without these safety devices in place. All machines are equipped with safety devices which comply with the regulations of the countries in which they are delivered. In the interest of progress, we reserve the right to change without notice any specifications, design or materials listed. Patents filed in several countries.

Also find
Kuhn Krause on

