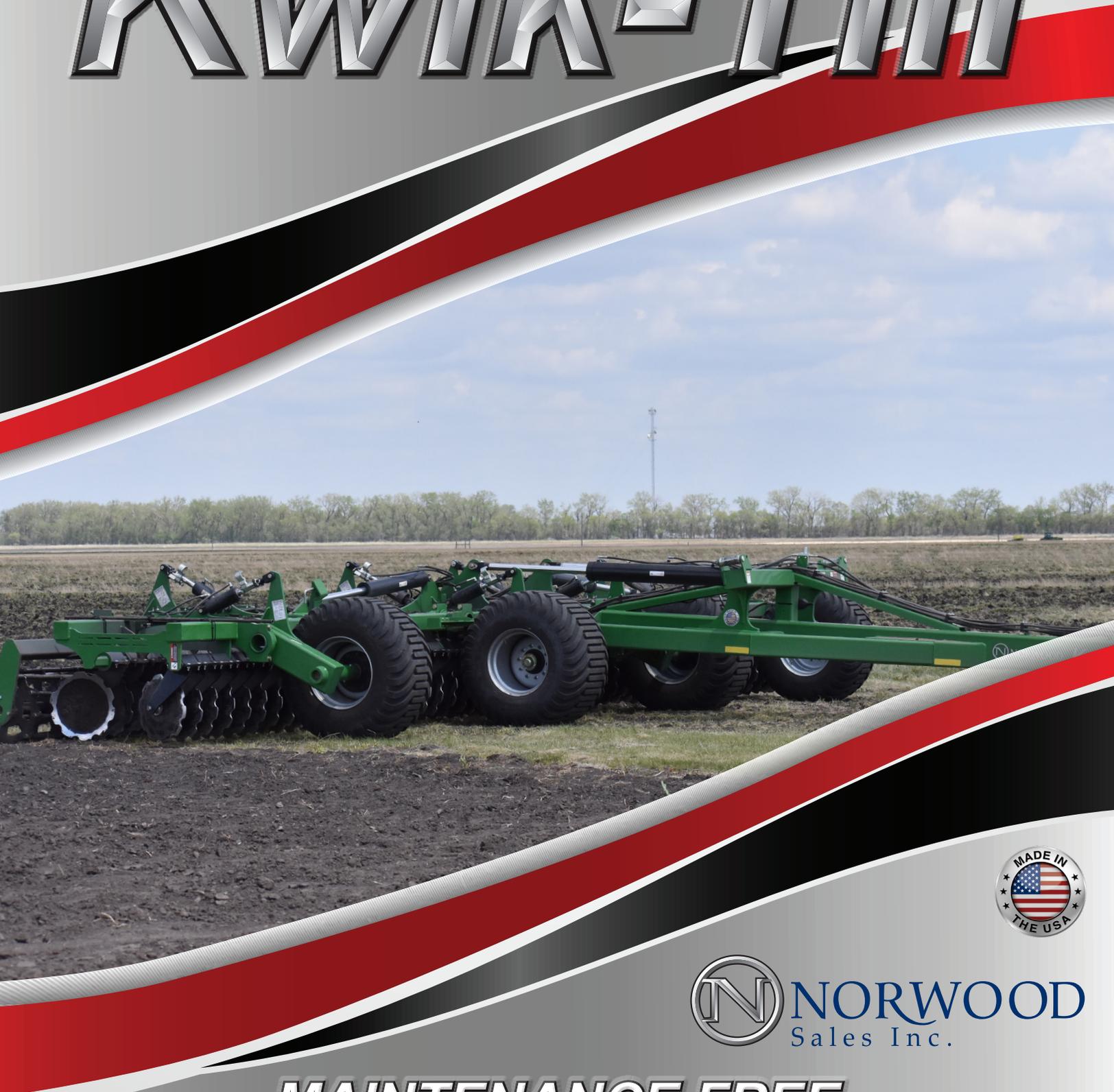


Kwik-Till



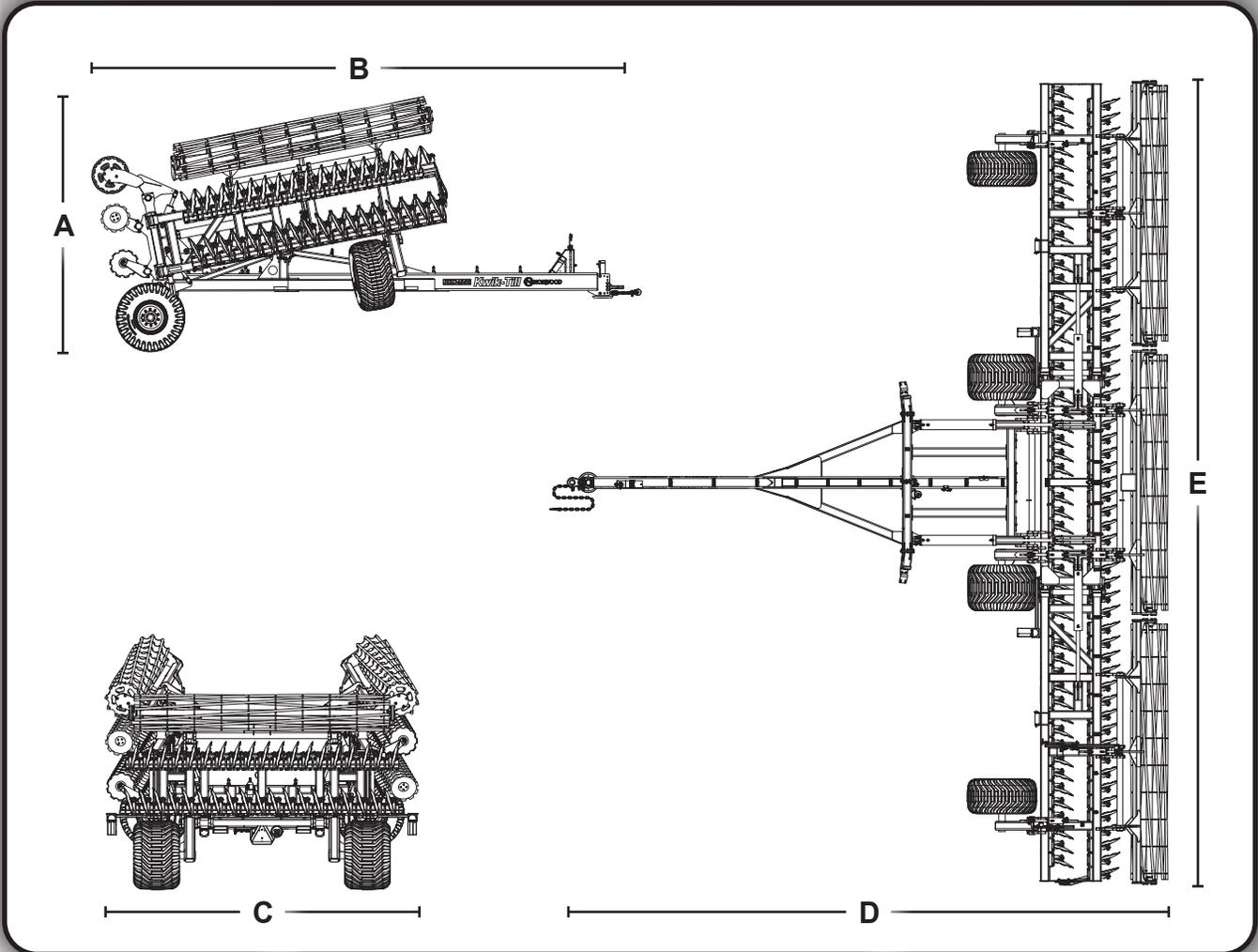
 **NORWOOD**
Sales Inc.

MAINTENANCE FREE
HIGH SPEED TILLAGE

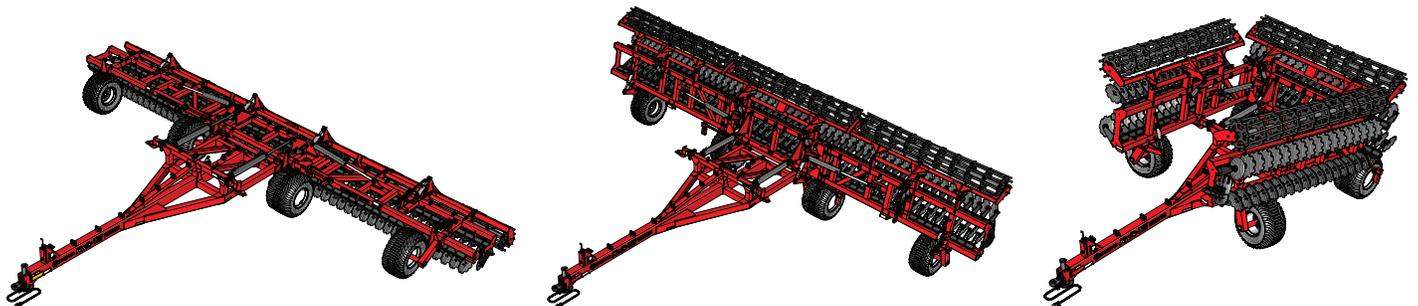
Tri-Fold Specifications

Model	Transport			Tongue Weight	Unfolded		Weight (lbs)			Tire Size Center	Tire Size Wing	# of Discs
	(A) Height	(B) Length	(C) Width		(D) Length	(E) Width	Cage	Spring	Rubber			
HSD2500	13' - 2"	22' - 11"	13' - 0"	4,400	27' - 6"	26' - 9"	21,640	21,420	24,840	600/50R22.5	600/50R22.5	60
HSD3000	13' - 6"	22' - 11"	13' - 0"	5,500	27' - 6"	31' - 5"	23,460	23,420	27,380	600/50R22.5	600/50R22.5	72
HSD3500	13' - 1"	28' - 6"	15' - 11"	6,000	33' - 5"	36' - 5"	28,100	27,680	32,160	710/40R22.5	600/50R22.5	84
HSD4000	13' - 4"	28' - 6"	15' - 11"	7,600	33' - 5"	41' - 5"	30,840	30,140	34,880	710/40R22.5	600/50R22.5	96
HSD4500	13' - 6"	29' - 9"	18' - 0"	7,700	34' - 9"	46' - 5"	33,700	33,160	38,800	800/40R22.5	600/50R22.5	108

* Rubber Roller option adds 7" to transport height ** All specifications are subject to change without notification



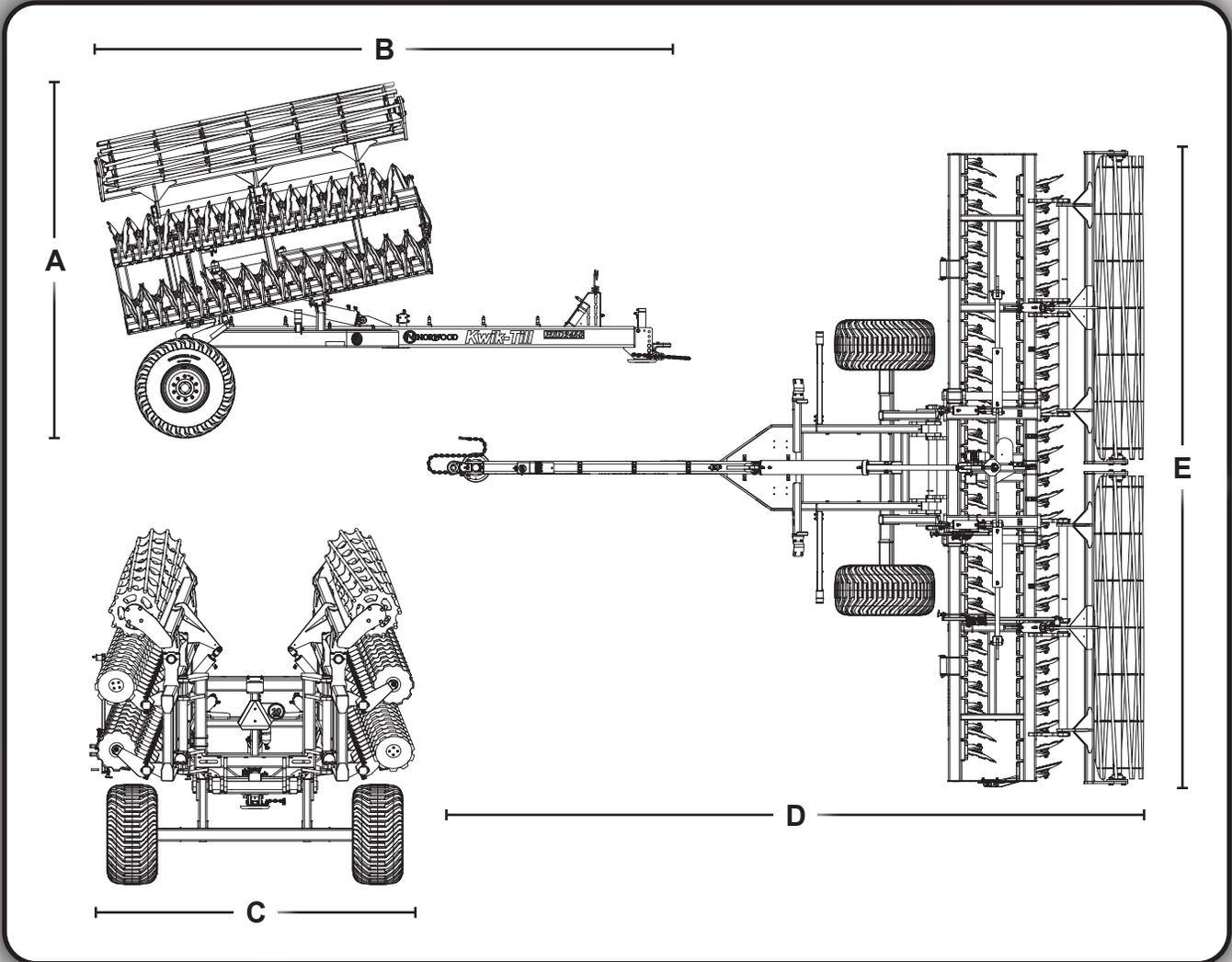
Tri-Fold Transport Process



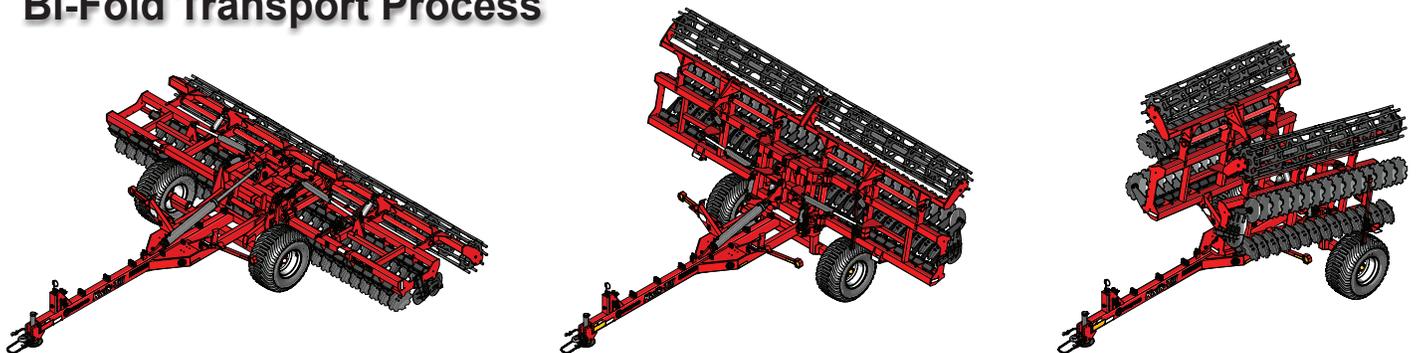
Bi-Fold Specifications

Model	Transport			Unfolded			Weight (lbs)			Tire Size	# of Discs
	(A) Height	(B) Length	(C) Width	Tongue Weight	(D) Length	(E) Width	Cage	Spring	Rubber		
HSD1600	12' - 5"	22' - 1"	12' - 5"	1,800	27' - 6"	17' - 0"	14,340	14,190	16,580	600/50R22.5	38
HSD1800	12' - 6"	22' - 1"	12' - 5"	2,600	27' - 6"	18' - 8"	15,340	15,175	19,260	600/50R22.5	42
HSD2100	12' - 8"	22' - 1"	12' - 5"	3,200	27' - 6"	22' - 0"	16,740	16,545	21,080	600/50R22.5	50
HSD2450	12' - 11"	22' - 1"	12' - 5"	4,000	27' - 6"	25' - 4"	18,140	17,920	25,000	600/50R22.5	58

* Rubber Roller option adds 7" to transport height ** All specifications are subject to change without notification



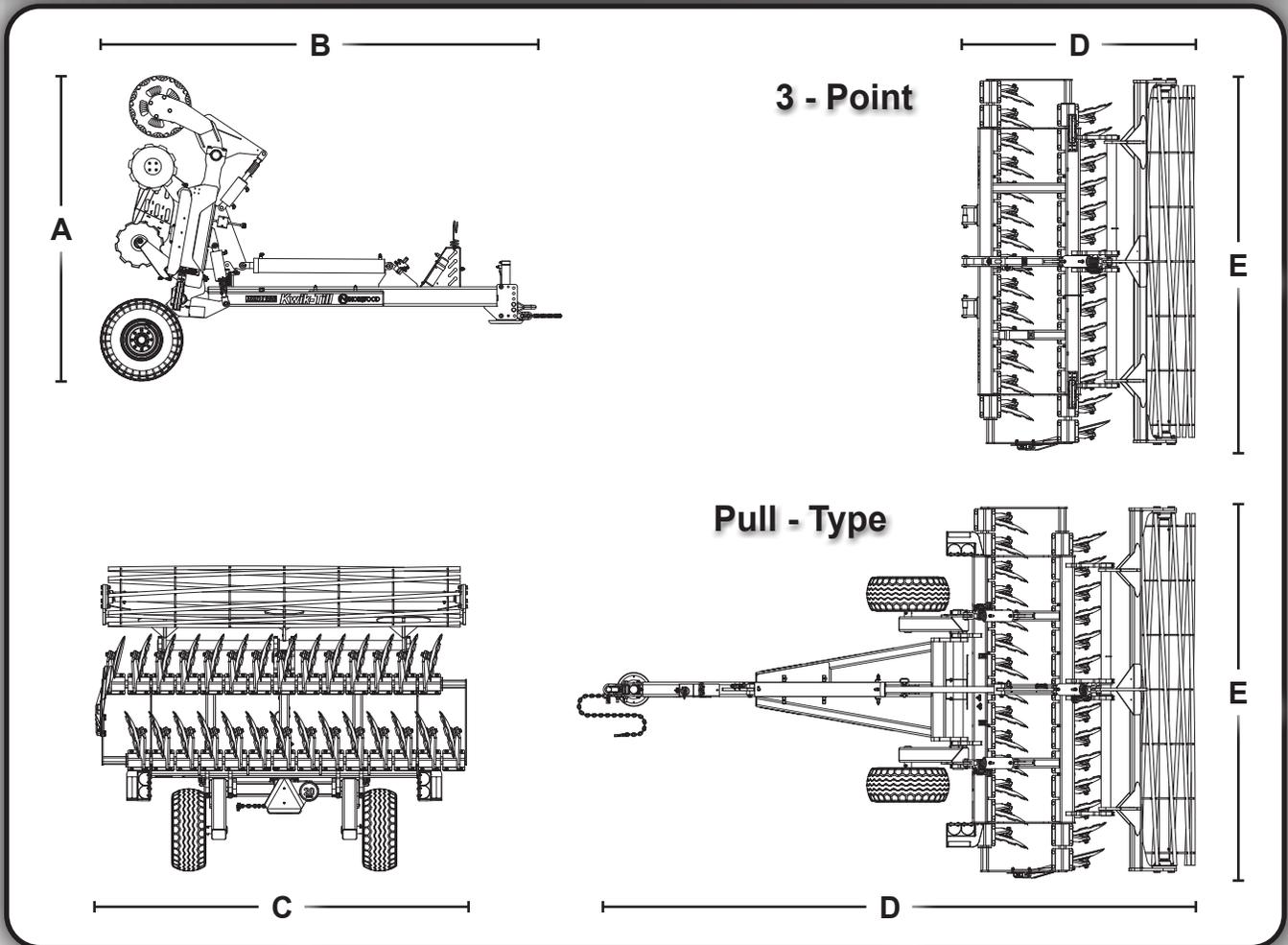
Bi-Fold Transport Process



Mono-Fold Specifications

Model	Transport			Tongue Weight	Unfolded		Weight (lbs)			Tire Size Center	# of Discs
	(A) Height	(B) Length	(C) Width		(D) Length	(E) Width	Cage	Spring	Rubber		
HSD800	10' - 1"	15' - 4"	9' - 3"	1,370	20' - 2"	9' - 3"	7,065	7,010	7,905	380/60R16.5	20
HSD1000	10' - 1"	15' - 4"	10' - 11"	1,500	20' - 2"	10' - 11"	7,760	7,690	8,810	380/60R16.5	24
HSD1200	10' - 1"	15' - 4"	12' - 7"	1,580	20' - 2"	12' - 7"	8,200	8,120	9,460	380/60R16.5	28
HSD800 - 3PT	-	8' - 3"	9' - 3"	-	8' - 3"	9' - 3"	4,800	4,745	5,640	-	20
HSD1000 - 3PT	-	8' - 3"	10' - 11"	-	8' - 3"	10' - 11"	5,010	4,940	6,060	-	24
HSD1200 - 3PT	-	8' - 3"	12' - 7"	-	8' - 3"	12' - 7"	5,950	5,870	7,210	-	28

* Rubber Roller option adds 7" to transport height ** All specifications are subject to change without notification

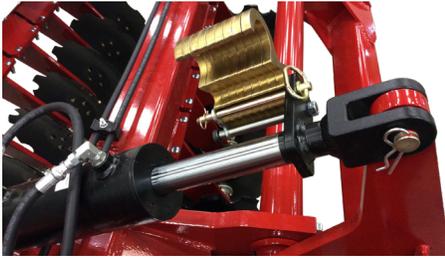


Mono-Fold Transport Process



DEPTH CONTROL

Cylinder Stops



Standard on HSD800 - HSD1200

- Helps control depth into the ground.
- Located right on the cylinders.
- Can be set in half inch increments

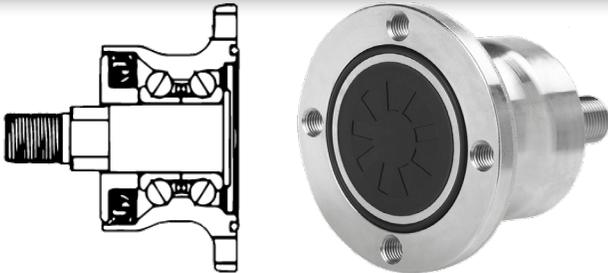
Single Point Depth Control



Standard on HSD1600 - HSD4500

The single point depth control system located on the front side of the bi-fold and tri-fold models allows quick and easy adjustment of the front and rear depth cylinders rather than having to change depths stops on each cylinder.

DISC HUBS



Relubrication-free: Integrated solution increases farm productivity. Suitable for virtually any agricultural implement arm, the greaseless Hub for tillage discs is a robust, easy fit hub sealing solution. The unit features a flanged outer ring that is pre-drilled and tapped to accommodate a disc. A stationary inner ring fitted with a threaded stub shaft helps ensure fast, easy mounting.

HYDRAULIC JACK



Provides quick, easy disconnection from tractor. Lifts vertically without moving machine backward and forward. Designed with less moving parts for a simpler more reliable operation.

HIGH FLOTATION TIRES



Unsurpassed flotation that has a large contact area. Makes for excellent weight distribution for reduced ground-bearing pressure and less soil compaction.

ACCUMULATOR



The accumulator is used in conjunction with a cross over relief valve to protect the wing cylinders from damage. Helps prevent damage by overextending cylinders or if the float position is forgotten to be put in place before use.

INDIVIDUALLY MOUNTED DISCS

Shanks



- 17° Angle, 0° Pitch front gangs
- 14° Angle, 0° Pitch rear gangs
- 10" Staggered spacing resulting in 5" overall spacing
- 3/4" Thick mild steel shanks

Rubber Torsion and Protection



Four natural rubber elements provide a pretension, allowing the discs to follow the contour of the land. Skating over obstructions and springing back to operating position. Each shank is independent, allowing for ideal flow of residue.

BUSHING



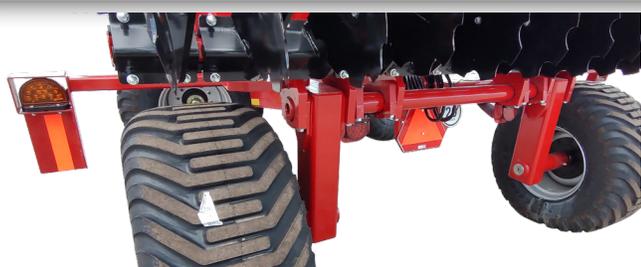
Nylon bushings replace greased steel on steel pins at all pivot points. They provide a long service life and eliminates daily greasings.

GAUGE WHEELS



The optional mechanically adjustable gauge wheel on the 2100 and 2450 bi-fold models will assist the unit in following the contour of rolling hills and drainage ditches in the field.

LED LIGHTS



LED lighting for high visibility and durability.

DEFLECTOR



Adjustable dirt deflector reduces ridging in the field.

COLOR OPTIONS



Blue



Black



Green



Red

ROLLER PACKER OPTIONS

Cage Roller



Works best in dry, non-sticky soil conditions. The cage design ensures disintegration of any clumps, provides an even seedbed and moderate compaction.

Cage Diameter : **25.5"**

Rod Diameter : **1.50"**

of Rods / Cage Roller : **10**

Spring Packer



Works best in heavier dense soil. The spring packer creates a level seedbed with moderate consolidation.

Packer Diameter : **24.5"**

Width of Plates : **3.00"**

Thickness of Plates : **0.50"**

Spacing of Plates : **8.00"**

of Plates / Packer Wheel :

**4 spring tines 90° apart per row
offset 45° row to row**

Rubber Roller



An all around excellent roller, suitable for any type of soil or soil conditions and offers very good consolidation.

Roller Diameter : **25.0"**

Type of Roller : **Solid Rubber**

Roller Wheel Spacing : **4.94"**

Packer Bearing Hub



- Relubrication-Free
- Low environmental impact
- Quadruple Lip high performance seals

DISC OPTIONS

20" Notched Disc



Notched discs provide an aggressive control over soil tillage. The 2" concavity and vertical design of the disc allows for great tillage of the lower soil levels while not compacting the top soil.

Plain flat center discs have a 2" concavity to provide careful control over soil tillage. The disc option does an excellent job tilling and inverting soil. Action of this disc varies depending on speed.

20" Smooth Disc



**Working Depth:
2 to 6 inches**

**Operating Speed:
10+ MPH**

**Power Requirement:
15+ HP / Ft**



Kwik-Till



Dealer:



NORWOOD
Sales Inc.

11202 38th St. South
Horace, ND 58047

Local: 1 (701) 588-4000
Toll Free: 1 (800) 446-0316
www.norwoodsales.com

