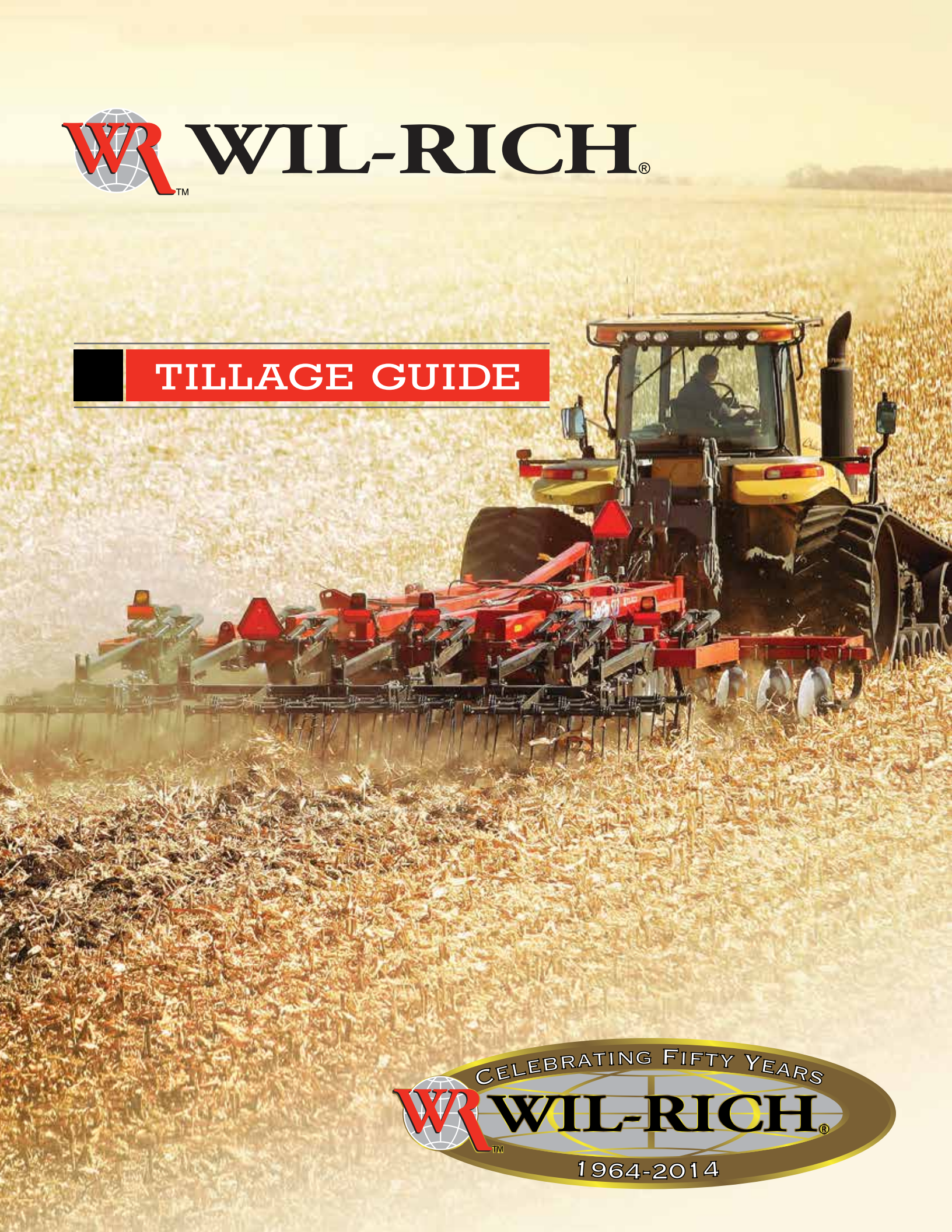
WIL-RICH®

TILLAGE GUIDE



CELEBRATING FIFTY YEARS
WIL-RICH®
1964-2014

TILLAGE GUIDE

WHAT'S INSIDE

WIL-RICH®

WIL-RICH: HISTORY OF INNOVATION

Wil-Rich evolved from a small two-man shop making truck hoists to one of the industry leaders in farm tillage equipment. Ed Schleuter, a blacksmith from Lehr, North Dakota, designed and built a truck hoist that could withstand the rigors of modern farming in the 1960s. A group of businessmen from Wahpeton, North Dakota, purchased this small upstart and named it Wil-Rich – from the names of Wilkin and Richland counties, where operations were based.

Since that time, Wil-Rich has expanded its product line to include secondary and primary tillage equipment such as cultivators and rippers, seeding and planting equipment, and heavy-duty disc harrows.

After being owned by out-of-state entities for 20 years, Wil-Rich returned to its roots as a North Dakota-owned company. Mike Bullinger, Howard and Brian Dahl, and Victor Klosterman purchased the assets of Wil-Rich in 2001. This group's collective experience in successful North Dakota-based companies continues the legacy that has made Wil-Rich a force to be reckoned with.

In 2011, Wil-Rich formed a joint venture with AGCO, a leading worldwide provider of agricultural equipment. AGCO-Amity JV, LLC, develops and distributes seeding and tillage equipment under the Amity, Wil-Rich, and Wishek brands, as well as Challenger, Sunflower, and Massey Ferguson.

BUILT FOR YOUR OPERATION

Wil-Rich tillage equipment is built for the most demanding conditions. Our line of primary tillage tools tears through even the heaviest crop residue, while our secondary tillage implements prepare a seedbed that helps promote excellent germination, even emergence, higher yields, and greater profit!

Our engineers take equipment design from concept to field. Our philosophy of continuous improvement continues to lead the industry by producing the strongest, most advanced, and best implements. From the beginning, our machines have been developed with one goal in mind: to provide a proper environment for seed germination and root growth of your crops, leading to maximized yields.

WIL-RICH SHANK ASSEMBLY

All Wil-Rich shank assemblies are engineered for strength and durability. With edge-on shanks that have wider, zero maintanence pivots designed for the life of the machine and some of the highest trip pressures in the industry, Wil-Rich shank assemblies are the leaders among all categories of tillage equipment. Wil-Rich shank assemblies have plenty of under-frame clearance and are mounted to the machines in a split-the-middle pattern to enhance residue flow through the implement!

HEAVIEST TILLAGE EQUIPMENT

Wil-Rich tillage equipment is built to be the heaviest in the industry and engineered to work in even the toughest field conditions. With a goal of creating conditions that help make the most of yield potential, our equipment is designed to restore nutrients to the soil after harvest and prepare an ideal seedbed during pre-plant operations.

EASY DEPTH CONTROL

With just a few turns of the crank on the single-point depth control, you can easily set the depth of your Wil-Rich tillage tool. The crank is located at the front of the machine for convenient access and is available on most tools in the Wil-Rich line.

FINISHING ATTACHMENTS

A full complement of finishing attachments is available for your Wil-Rich tillage equipment. Your primary tools can be equipped with attachments to help break down dirt clods and get your fields ready for winter. Finishing attachments for your secondary tillage tools help create a perfect seedbed.

SOILPRO 513

The SoilPro 513 Disc Ripper from Wil-Rich is designed to work in a variety of soil conditions. The SoilPro 513 performs primary tillage, leaving a smooth, uniform surface ideal for seedbed preparation.

The SoilPro 513 is available in cutting widths from 12½ to 26 feet (3.8 – 7.9 m). The SoilPro 513 industry-best, large-diameter, 28-inch (71 cm) disc blades on two-rank individual C-spring disc blade mounting bury and mix residue for quick decomposition. The 3,500-pound (1,588 kg) spring reset ripper shanks penetrate even the toughest soil.

Hydraulic jack is standard.

385/65R 22.5 used truck tires are standard on walking beam axles.

Heavy-duty 4 x 8-inch (10 x 20 cm) frame adds additional weight to keep the tool in the ground and ripping through even the heaviest residue.

Individually mounted C-spring, 28-inch (71 cm) disc blades provide a split-the-middle tillage advantage.

Two ranks of shanks are 55 inches (145 cm) apart; the closest shanks are 48 inches (122 cm) apart on the rank, promoting excellent crop residue flow.

MAIN FRAME
4 x 8" (10 x 20 cm) tubular frame
5 x 7" (13 x 18 cm) tubular hitch
Level lift tongue
Adjustable drawbar height

HYDRAULICS – RIGID UNITS
Two main lift cylinders 4½ x 12" (11 x 30 cm)
Two disc lift cylinders 4 x 8" (10 x 20 cm)

HYDRAULICS – FOLDING UNITS
Two main lift cylinders 5 x 12" (13 x 30 cm)
Two wing lift cylinders 4½ x 12" (11 x 30 cm)
Two main disc lift cylinders 4 x 8" (10 x 20 cm)
Two wing disc lift cylinders 3¾ x 8" (10 x 20 cm)
Four fold cylinders 4 x 36" (10 x 91 cm)

HITCH
Fabricated steel tongue hitch
Cat hitch: Cat V for 2¾" (7 cm) diameter pin
Visual gauge of relative disc depth
Level lift hitch

JACK
Hydraulic hitch jack

WHEELS
385/65R 22.50/8-bolt new or used tires

AXLE
Walking tandem beam axles on main frames and wings

SHANK PARABOLIC
1¼" (3 cm) high-strength, abrasion-resistant steel with chromium carbide shin guards
Spring reset shanks
Two trip extension springs
Trip height of 18" (46 cm)
Working depth of 14" (36 cm) maximum
3,500 lbs. (1,588 kg) max. trip pressure
Shank spacing 24 or 30" (61 or 76 cm)
Transport height clearance 12" (30 cm)

DISC
Smooth blades 28 x 5/16" (71 x .8 cm)
15" (38 cm) blade spacing, 7.5" (19 cm) cut
Hydraulic depth control
Individual disc blades
C-spring mounted

WORKING DEPTH
Shanks 0 to 14" (0 – 36 cm)
Discs 0 to 8" (0 – 20 cm)

OPERATING SPEED
4 to 6 mph (6 – 10 kph)

HP (PTO)
5 shank, 300 – 400 (224 – 298 kW)
7 shank, 300 – 450 (224 – 336 kW)
9 shank, 350 – 450 (261 – 336 kW)
11 shank, 450 – 550 (336 – 410 kW)
13 shank, 500+ (373+ kW)

SAFETY EQUIPMENT
Safety chain
Transport warning lights
Mechanical transport locks
Slow moving Vehicle sign

SOILPRO 513 SPECIFICATIONS

MODEL #	SHANK SPACING	CUTTING WIDTH	# OF SHANKS	# OF BLADES	TRANS. WIDTH	TRANS. HEIGHT	TRANS. LENGTH	APPROX. WEIGHT LBS.	APPROX. POWER REQ'D
Non-Fold Models									
5-30 SP 513	30" (76 cm)	12'6" (3.8 m)	5	20	14'5" (4.4 m)	7' (2.1 m)	13'6" (4.1 m)	15,153 (6,873 kg)	300-400 (224-298 kW)
7-24 SP 513	24" (60 cm)	14' (4.3 m)	7	20	14'5" (4.4 m)	7' (2.1 m)	13'6" (4.1 m)	15, 931 (7,226 kg)	300-450 (224-336 kW)
7-30 SP 513	30" (76 cm)	17'6" (5.3 m)	7	28	19'7" (6 m)	7' (2.1 m)	13'6" (4.1 m)	17,811 (8,079 kg)	300-450 (224-336 kW)
9-24 SP 513	24" (60 cm)	18' (5.5 m)	9	28	19'7" (6 m)	7' (2.1 m)	13'6" (4.1 m)	18,590 (8,432)	350-450 (261-336 kW)
Folding Models									
11-24 SP 513	24" (60 cm)	22' (6.7 m)	11	36	19'3" (5.9 m)	13'6" (4.1 m)	13'6" (4.1 m)	30,425 (13,800 kg)	450-550 (336-410 kW)
13-24 SP513	24" (60 cm)	26' (7.9 m)	13	40	19'3" (5.9 m)	14'6" (4.4 m)	13'6" (4.1 m)	31,738 (14,396 kg)	500+ (373 + kW)

*Adding harrows to a unit may increase the transport width and/or height of the unit.

657 DISC CHISEL

The Wil-Rich 657 Disc Chisel is ideally suited for the first tillage pass in high residue conditions. Coulter discs on the 657 are offset from shanks to allow shank assemblies to properly till and bury crop residue. This Split-the-Middle design offsets the coulter discs 7½ inches (19 cm) from the shanks to dislodge root balls and more effectively start the decomposition process. The combination of coulter discs in the front for sizing crop residue and careful shank placement around wheels minimizes plugging.

The 4-inch (10 cm) concave twisted shovels are designed to more efficiently bury and mix crop residue.

Coulters are indexed to shanks for a 7½-inch (19 cm) working pattern.

MAIN FRAME
4" x 6" x ⅜" (10.1 x 15.2 m x 1 cm) tubular frame

WHEELS
Walking tandem wheels: 11L x 15, 12-ply tires on 15 x 8 6-bolt rims

HITCH
Pull type with hinged tongue using a 2" (5 cm) draw pin

SHANKS
Heavy duty 1,400 lb. (635 kg) spring cushion shanks on 15" (38.1 cm) spacing

STRAIGHT CUTTER GANGS (OPTIONAL)
20" (51 cm) diameter x .197" (.5 cm) thick on 7½" (19 cm) spacing
Arbor bolt 1½" (4 cm) diameter
Visual gauge of relative cutter depth

DISC UNITS (OPTIONAL)
22" (56 cm) diameter x .27" (.7 cm) thick on 15" (38 cm) spacing
Gang cutting angle: 12 degrees
Visual gauge of relative disc depth

SPECIFICATIONS
Under frame clearance: 30" (76 cm)
Operating speed: 5 – 7 mph (8 – 11 kph)
HP (PTO) per foot: 15 – 20 (37 – 49 kW per meter)

SHANK WORKING DEPTH:

Chisel plow shanks:	10" (25 cm) maximum Trip height 10" (25 cm)
Coulters or disc:	5" (14 cm) maximum

SAFETY EQUIPMENT
Safety chain
Transport warning lights

Rigid hitch keeps the front and rear of the 657 DCR level.

Heavy-duty, 1,400-pound (635 kg) spring cushion shanks stay true in the toughest soils.

Concave discs utilize a 6-bolt hub and are 22 inches (56 cm) in diameter – allowing for a maximum working depth of 5 inches (13 cm).

Optional single truck tires excel in wet conditions.

Front coulter discs can be hydraulically raised and lowered for varying residue conditions.

Frame strength and ballast are supported by large, 6 x 4 inch (15 x 10 cm) main frame.

657 DISC CHISEL SPECIFICATIONS

	# OF BLADES			TRANSPORT			
MODEL #	STRAIGHT CUTTER GANG	CONCAVE DISC UNITS	WORKING WIDTH	WIDTH	HEIGHT	APPROX. WEIGHT LBS.	APPROX. POWER REQ'D
RIGID							
657 DCR 11	18	10	11'3" (3.4 m)	13'5" (4.1 m)	5'8" (1.7 m)	9,662 (4,383 kg)	170-250 (127-186 kW)
657 DCR 13	22	12	13'9" (4.2 m)	13'5" (4.1 m)	5'8" (1.7 m)	10,475 (4,751 kg)	200-280 (149-209 kW)
657 DCR 15	26	14	16'3" (5 m)	16'5" (5 m)	5'8" (1.7 m)	11,654 (5,286 kg)	245-340 (183-254 kW)
657 DCR 18	30	16	18'9" (5.7 m)	21'0" (6.4 m)	5'8" (1.7 m)	12,991 (5,893 kg)	280-380 (209-283 kW)
FOLDING							
657 DCR 18	30	16	18'9" (5.7 m)	13'5" (4.1 m)	9'9" (3 m)	14,150 (6,418 kg)	280-380 (209-283 kW)
657 DCR 23	38	20	23'9" (7.2 m)	13'5" (4.1 m)	10'2" (3.1 m)	17,502 (7,939 kg)	355-400 (265-298 kW)
657 DCR 28	46	24	28'9" (8.8 m)	18'0" (5.5 m)	12'9" (3.9 m)	20,129 (9,130 kg)	430+ (321 kW)
657 DCR 33	54	28	33'9" (10.2 m)	18'0" (5.5 m)	15'3" (4.6 m)	22,976 (10,422 kg)	500+ (373 kW)
657 DCR 36	58	30	36'9" (11.2 m)	20'6" (6.2 m)	15'3" (4.6 m)	24,208 (10,981 kg)	550+ (410 kW)

357 INLINE RIPPER

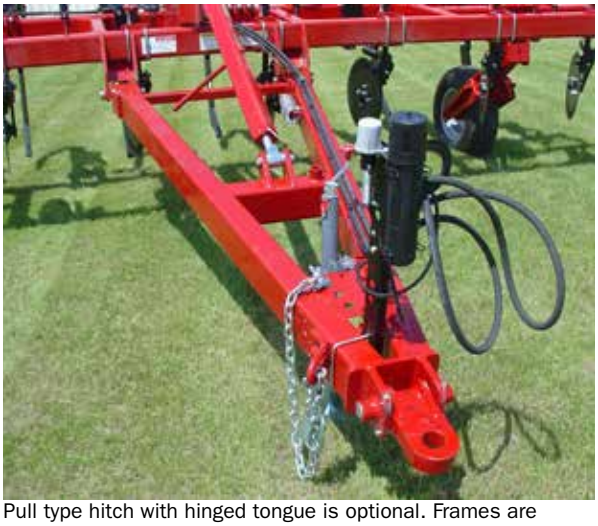
The Wil-Rich 357 Inline Ripper is ideal for heavy residue conditions. Built rugged, solid, and strong, the 357 Inline Ripper will penetrate even the hardest ground. The shanks on this field-proven design are available in rigid or spring reset options with parabolic or minimal disturbance shanks.

Adjustable gauge wheels with eight settings ensure uniform working depth in all soil types and conditions.

Optional 20-inch (51 cm) spring–loaded coulters easily slice through some of the heaviest residue.

A variety of attachments are available for the 357 Inline Ripper.

The box frame design of the 357 Inline Ripper provides strength to stand up to even the highest horsepower tractors.



Pull type hitch with hinged tongue is optional. Frames are 3-point adaptable for Cat II or Cat III.

FEATURES

MAIN FRAME
4" x 6" x ⅜" (10.1 x 15.2 m x 1 cm) tubular frame

WHEELS
Walking tandem wheels

GAUGE WHEELS
Quick adjust lock pin design with 20.5 x 10 10-ply tires

HITCH
Pull type with hinged tongue using a 2" (5 cm) draw pin – connects to 3-point

SHANKS
Available with 4, 5, 6, 7, 8, and 12 shanks
Spacing: 30" (76 cm)
3,500 lb. (1.6 t) twin spring reset shank holder
Optional 12" (30.5 cm) shank staggering bracket

SPECIFICATIONS
Under frame clearance: 35" (89 cm)
Operating speed: 4½ – 6 mph (7 – 9 kph)
HP (PTO) per shank: 35 – 50 (26.1 – 37.3 kw)

SHANK WORKING DEPTH

Parabolic	16" (41 cm) maximum
Minimal disturbance	16" (41 cm) maximum
Trip height	16" (41 cm)
Coulters	6" (15 cm) maximum

SAFETY EQUIPMENT
Transport warning lights

357 INLINE RIPPER SPECIFICATIONS

MODEL #	SHANK SPACING	WORKING WIDTH	SHANKS NEEDED	TRANSPORT WIDTH	TRANSPORT HEIGHT	APPROX. WEIGHT LBS.
3-Point Mounted Rigid						
3-5 3-Pt. 30	30" (76 cm)	12.5' (3.8 m)	5	10'10" (3.3 m)	-	1,222 (554.3 kg)
5 3-Pt. 30	30" (76 cm)	12.5' (3.8 m)	5	10'10" (3.3 m)	-	1,190 (539.8 kg)
5-7 3-Pt. 30	30" (76 cm)	17.5' (5.3 m)	7	16'2" (4.9 m)	-	1,875 (850.8 kg)
4 3-Pt. 30	30" (76 cm)	10.0' (3 m)	4	10'10" (3.3 m)	-	1,190 (539.8 kg)
4-6 3-Pt. 30	30" (76 cm)	15.0' (4.6 m)	6	14'4" (4.4 m)	-	1,529 (693.5 kg)
8 3-Pt. 30	30" (76 cm)	20.0' (6.1 m)	8	20'2" (6.1 m)	-	1,840 (834.6 kg)
Folding Models (with hydraulic fold cylinders and hoses)						
8 3-Pt. 30	30" (76 cm)	20.0' (6.1 m)	8	12'0" (3.7 m)	11'0" (3.4 m)	2,598 (1178.4 kg)
Folding Over Models (with pull type hitch, 6 hydraulic gauge wheels, hydraulic fold cylinders and hoses						
12 Pull 30	30" (76 cm)	30.0' (9.1 m)	12	16'5" (4.6 m)	15'0" (4.6 m)	6,862 (3112.6 kg)

614NT DISC HARROW

The Wil-Rich 614NT Disc Harrow is designed for those users seeking a traditional tandem disc, and is available in nine sizes, ranging from 14 – 36-foot (4.3 – 11 m) working widths. Key features of the 614NT include 22.5 truck tires throughout, large 26-inch (66 cm) disc blades, C-spring mounted bearing stands, and solid-mount individual scrapers.

Large 26-inch (66 cm) diameter x 5/16 inch (.8 cm) blades, set at 10-inch (25 cm) spacing.

Optional rear hitch and hydraulic extension.

Depth settings are accomplished using simple collars on lift cylinders. There is also optional single-point depth control for easy adjustments.

Uses 214 series bearing, the same proven greaseable bearing used in the Wishek lineup.

The 614NT Disc Harrow has optional hydraulic leveling.

385/65R 22.5 truck tires are standard throughout on all models of the 614NT.

Gangs come standard with solid-mount single scrapers.

FRAME
4 x 8" (10 x 20 cm) tubular frame
Leveling linkage system
Hitch jack
Transport locks

WING GAUGE WHEELS
Caster gauge wheels on units 26'10" (8 m) and larger

SAFETY EQUIPMENT
Safety chain
Transport warning light package

GANGS
26" (66 cm) diameter x 5⁄16" (.8 cm) smooth blades
10" (25 cm) blade spacing
1 5⁄16" (5 cm) gang shaft
Fixed gang angle of 20 degrees front and 18 degrees rear
214 relube bearings
Wil-Flex C-spring gangs
Gang bolt wrench
Solid-mount single scrapers

TIRES
385/65R 22.5 truck tires (used)

MODEL 614NT DISC HARROW SPECIFICATIONS

				TRANSPORT		WEIGHT LBS.			
MODEL #	WORKING WIDTH	# OF BEARINGS	# OF BLADES	WIDTH	HEIGHT	PER BLADE	PER FOOT	APPROX. WEIGHT LBS.	APPROX. POWER REQ'D
Model 614NT Rigid - 26" x 5/16" (66 cm x .3125 cm) smooth blades and C-spring mounted bearing on cushion gang									
614NT-14	14'4"(4.4 m)	6F, 6R	16F, 18R	16'5"(5 m)	8'0"(2.4 m)	348 (158 kg)	825 (374 kg)	11,831 (5,366 kg)	160-215 (119-160 kW)
614NT-16	15'10"(4.6 m)	6F, 6R	18F, 20R	18'1"(5.5 m)	8'0"(2.4 m)	327 (148 kg)	786 (357 kg)	12,443 (5,644 kg)	175-240 (131-179 kW)
614NT-17	17'4"(5.3 m)	6F, 6R	20F, 22R	19'8"(6 m)	8'0"(2.4 m)	320 (145 kg)	777 (352 kg)	13,460 (6,105 kg)	190-250 (142-186 kW)
614NT-20	19'6"(5.9 m)	8F, 8R	24F, 26R	22'9"(7 m)	8'0"(2.4 m)	319 (144 kg)	819 (371 kg)	15,969 (7,243 kg)	215-290 (160-216 kW)
Model 614NT Wing - 26" x 5/16" (66 cm x .3125 cm) smooth blades and C-spring mounted bearing on cushion gang									
614NT-24	23'8"(7.3 m)	10F, 10R	28F, 30R	15'0"(4.6 m)	11'3"(3.4 m)	327 (148 kg)	802 (364 kg)	18,991 (8,614 kg)	250-350 (186-261 kW)
614NT-27	26'10"(8 m)	10F, 12R	32F, 34R	15'0"(4.6 m)	12'10"(3.7 m)	311 (141 kg)	766 (347 kg)	20,556 (9,324 kg)	290-400 (216-298 kW)
614NT-30	30'0"(9.1 m)	12F, 12R	36F, 38R	17'6"(5.4 m)	12'10"(3.7 m)	333 (151 kg)	821 (372 kg)	24,626 (11,170 kg)	330-450 (246-336 kW)
614NT-33	33'2"(10.1 m)	14F, 12R	40F, 42R	17'6"(5.4 m)	14'5"(4.4 m)	335 (152 kg)	829 (376 kg)	27,501 (12,474 kg)	350-500 (261-373 kW)
614NT-36	36'4"(11 m)	14F, 14R	44F, 46R	17'6"(5.4 m)	16'0"(4.9 m)	328 (149 kg)	813 (369 kg)	29,555 (13,406 kg)	400-550 (298-410 kW)

2500 SERIES CHISEL PLOW

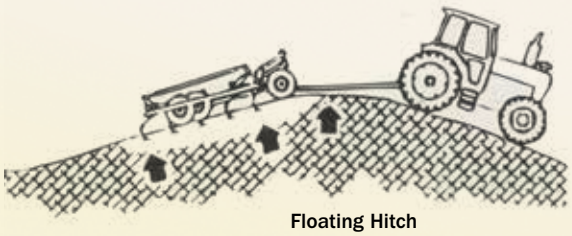
Wil-Rich 2500 Series Chisel Plow is the first new chisel plow released in almost a decade. Our engineers developed the 2500 Series to integrate a more refined design. The frame is deeper front to rear to improve trash flow associated with increased residue from today's higher yielding crops.

The deeper frame of the 2500 Series Chisel Plow gives it added overall strength. By increasing the tube wall thickness from ¼ inch (6 mm) to 3/8 inch (9 mm) in key areas, Wil-Rich has significantly increased the amount of steel, creating a better all-around chisel plow!

LEVEL LIFT AND FLOATING HITCH

Level lift hitches are designed to keep the unit level during field operation and transport. The operator can change working depth while maintaining consistent working depth from the front to the rear of the unit.

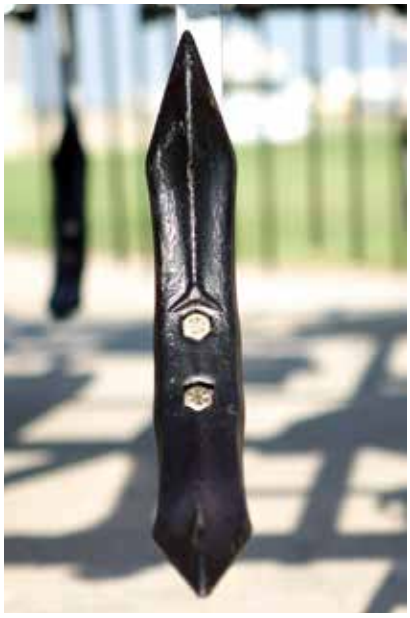
The floating hitch pivots between the tractor and the main frame. This pivot point allows the unit to follow the contour of the ground. The front castering gauge wheels are mechanically synchronized with the rear axle, allowing the unit to maintain level working depth from front to rear.



Floating Hitch

Hydraulic castering gauge wheels are standard on floating hitch models, and ratchet adjust castering gauge wheels are standard on 31-feet (9.45 m) and larger wings.

12.5R x 22.5 tires on 8-bolt hubs are used on all in-frame walking tandems to aid in wet working conditions and for increased reliability during transport.



The 2500 Series Chisel Plow has a number of point options.

The 1,000-pound (453.6 kg) extension spring shanks of the 2500 Series Chisel Plow are built to tackle the toughest soils.

The 650-pound (295 kg) extension spring shank has Wil-Rich's legendary edge-on shanks with wider, zero maintenance pivots that are designed for the life of the machine.

Deep frame is 140 inches (356 cm) front to back, providing superior trash flow for today's higher residue crops.

The 2500 Series Chisel Plow folds to a compact transport package to easily move to the next field.

Hydraulics on the Wil-Rich 2500 Series Chisel Plow are a 10-inch (25.4 cm) stroke Prince wing fold cylinder that varies the bore size to accommodate lift circuit phasing.

FEATURES

MAIN FRAME
13' (4 m) main frame
4-bar welded frame
4 x 4" (10.2 x 10.2 cm) tubular frame
140" (355.6 cm) front to back
Over-center folding wings

SHANK OPTIONS
650-lb. (294.84 kg) 1¼ x 2 x 32" (.5 x .6 x 10 cm) extension spring shank
1,000-lb. (453.6 kg) 1¼ x 2 x 30" (.5 x .6 x 9.1 cm) compression spring edge-on shank

SHANK SPACING
12" (30.5 cm) or 15" (38.1 cm) spacing

HYDRAULICS
Single-point depth control
Two main lift cylinders
One wing transport fold cylinder on 3' (0.91 m) and 6' (1.83 m) wing models
Two wing transport fold cylinders on 9' (2.7 m) and 12' (3.7 m) wing models

GAUGE WHEELS
Hydraulically controlled on floating hitch units (31 x 13.5 – 15)
Ratchet adjust on level lift units (9.5L x 15)

SAFETY EQUIPMENT
Safety chain
Transport warning light package

HITCH
Cat hitch – for use with clevis-type drawbar

CHISEL PLOW 2500 SERIES SPECIFICATIONS

MODEL #	WORKING WIDTH 12" (30.5 cm)	WORKING WIDTH 15" (38.1 cm)	NO. OF SHANKS (12"/15")	INNER WING	APPROX. TRANSPORT WIDTH	APPROX. TRANSPORT HEIGHT	APPROX. WEIGHT (LBS.)
2510 Series - Rigid Model - with tandem axle (Level Lift Hitch)							
2510 CPR 13	13' (4 m)	12'6" (3.8 m)	13/10	N/A	13'6" (4.1 m)	6'8" (2.1 m)	6,610 (2,998 kg)
2510 CPR 13-15	15' (4.6 m)	15' (4.6 m)	15/12	N/A	14'8" (4.5 m)	6'8" (2.1 m)	6,932 (3,144 kg)
2510 CPR 13-17	17' (5.2 m)	17'6" (5.3 m)	17/14	N/A	17'1" (5.2 m)	6'8" (2.1 m)	7,356 (3,337 kg)
2530 Series - Folding Model with 3-foot (.9 m) wings and tandem axle (Level Lift Hitch)							
2530 CPW 19	19' (5.8 m)	N/A	19/-	3' (.9 m)	14'1" (4.3 m)	9'9" (3 m)	8,566 (3,885 kg)
2530 CPW 19-21	21' (6.4 m)	20' (6.1 m)	21/16	3' (.9 m)	14'1" (4.3 m)	9'11" (3 m)	8,888 (4,032 kg)
2530 CPW 19-23	23' (7 m)	22'6" (6.9 m)	23/18	3' (.9 m)	14'1" (4.3 m)	10'1" (3.1 m)	9,313 (4,224 kg)
2530 Series - Folding Model with 6-foot wings (2 m) and tandem axle (Level Lift Hitch)							
2530 CPW 25	25' (7.6 m)	25' (7.6 m)	25/20	6' (1.8 m)	14'1" (4.3 m)	11'1" (3.4 m)	11,271 (5,112 kg)
2530 CPW 25-27	27' (8.2 m)	27'6" (8.4 m)	27/22	6' (1.8 m)	14'1" (4.3 m)	11'5" (3.5 m)	11,593 (5,258 kg)
2530 CPW 25-29	29' (8.8 m)	30' (9.1 m)	29/24	6' (1.8 m)	14'1" (4.3 m)	11'8" (3.6 m)	12,017 (5,451 kg)

MODEL #	WORKING WIDTH 12"	WORKING WIDTH 15"	NO. OF SHANKS (12"/15")	INNER WING	APPROX. TRANSPORT WIDTH	APPROX. TRANSPORT HEIGHT	APPROX. WEIGHT (LBS.)	
							LEVEL LIFT HITCH	FLOATING LIFT HITCH
2530 Series - Folding Model with 9-foot (3 m) wings and tandem axle (Level Lift or Floating Hitch)								
2530 CPW 31	31' (9.4 m)	30' (9.1 m)	31/24	9'/0' (2.7 m/0 m)	19'2" (5.8 m)	12'6" (3.8 m)	15,016 (6,811 kg)	16,390 (7,434 kg)
2530 CPW31-33	33' (10 m)	32'6" (10 m)	33/26	9'/0' (2.7 m/0 m)	19'2" (5.8 m)	13'6" (4.1 m)	15,440 (7,004 kg)	16,814 (7,627 kg)
2530 CPW 31-35	35' (11 m)	35' (11 m)	35/28	9'/0' (2.7 m/0 m)	19'2" (5.8 m)	14'6" (4.4 m)	15,872 (7,199 kg)	17,246 (7,823 kg)
2530 CPW 31-37	37' (11.3 m)	37'6" (11.4 m)	37/30	9'/3' (2.7 m/.9 m)	19'2" (5.8 m)	12'6" (3.8 m)	17,178 (7,792 kg)	18,552 (8,415 kg)
2530 CPW 31-39	39' (11.9 m)	40' (12.2 m)	39/32	9'/3' (2.7 m/.9 m)	19'2" (5.8 m)	12'6" (3.8 m)	17,508 (7,942 kg)	18,882 (8,565 kg)
2530 CPW 31-41	41' (12.5 m)	42'6" (13 m)	41/34	9'/3' (2.7 m/.9 m)	19'2" (5.8 m)	12'6" (3.8 m)	17,940 (8,137 kg)	19,314 (8,761 kg)
2530 Series - Folding Model with 12-foot (4 m) wings and tandem axle (Level Lift or Floating Hitch)								
2530 CPW 37	37' (11.3 m)	37'6" (11.4 m)	37/30	12'/0' (3.7 m/.9 m)	19'2" (5.8 m)	15'6" (4.7 m)	16,550 (7,507 kg)	17,924 (8,130 kg)
2530 CPW 37-39	39' (11.9 m)	40' (12.2 m)	39/32	12'/0' (3.7 m/.9 m)	19'2" (5.8 m)	16'6" (5 m)	16,881 (7,657 kg)	18,255 (8,280 kg)
2530 CPW 37-43	43' (13.1 m)	42'6" (13 m)	43/34	12'/3' (3.7 m/.9 m)	19'2" (5.8 m)	16'6" (5 m)	18,668 (8,468 kg)	20,042 (9,091 kg)
2530 CPW 37-45	45' (13.7 m)	45' (13.7 m)	45/36	12'/3' (3.7 m/.9 m)	19'2" (5.8 m)	16'6" (5 m)	18,998 (8,617 kg)	20,372 (9,241 kg)
2530 CPW 37-47	47' (14.3 m)	47'6" (14.5 m)	47/38	12'/3' (3.7 m/.9 m)	19'2" (5.8 m)	16'6" (5 m)	19,431 (8,814 kg)	20,805 (9,437 kg)

MODEL #	WORKING WIDTH 12" (30.5 cm)	WORKING WIDTH 15" (38.1 cm)	NO. OF SHANKS (12"/15")	INNER WING	APPROX. TRANSPORT WIDTH	APPROX. TRANSPORT HEIGHT	APPROX. WEIGHT (LBS.)
2550 Series - Folding Model with 6-foot (2 m) wings and tandem axle (Floating Hitch)							
2550 CPW 49	49' (15 m)	N/A	49/N/A	12'/6' (3.7 m/1.8 m)	19'2" (5.8 m)	17'4" (5.3 m)	27,699 (12,564 kg)
2550 CPW 49-51	51' (15.5 m)	50' (15.2 m)	51/40	12'/6' (3.7 m/ 1.8 m)	19'2" (5.8 m)	17'4" (5.3 m)	28,031 (12,714 kg)
2550 CPW 49-53	53' (16.2 m)	52'6" (16 m)	53/42	12'/6' (3.7 m/ 1.8 m)	19'2" (5.8 m)	17'4" (5.3 m)	28,443 (12,901 kg)
2550 Series - Folding Model with 9-foot (3 m) wings and tandem axle (Floating Hitch)							
2550 CPW 55	55' (16.8 m)	55' (16.8 m)	55/44	12'/9' (3.7 m/2.7 m)	19'2" (5.8 m)	17'4" (5.3 m)	29,055 (13,179 kg)
2550 CPW 55-57	57' (17.4 m)	57'6" (17.5 m)	57/46	12'/9' (3.7 m/2.7 m)	19'2" (5.8 m)	17'4" (5.3 m)	29,367 (13,321 kg)
2550 CPW 55-59	59' (18 m)	60' (18.3 m)	59/48	12'/9' (3.7 m/2.7 m)	19'2" (5.8 m)	17'4" (5.3 m)	29,804 (13,519 kg)

VERTICAL TILLAGE ATTACHMENT
FOR CHISEL PLOW

The Vertical Tillage attachment allows you to convert your Wil-Rich chisel plow into a more effective tool for heavy residue situations and wet ground. The vertical tillage attachment sizes residue and opens up wet ground to reduce drying time in the spring.

WHY VERTICAL TILLAGE?

- **Aerate and warm spring soil for earlier planting in cold and wet conditions**
- **Mix residue with soil to control erosion**
- **High-speed preparation of your field: 8 – 12 miles per hour (13 – 19 kph)**
- **Condition soil in high residue situations before or after fall tillage preparations**
- **Cuts through crop residue at high speed**
- **Less receptive to blade damage and plugging by mounting blades to individual shanks versus gang-mounted style**
- **Uniform working depth across unit**
- **Cost savings – converts your chisel plow to a multi-purpose tool**

The Vertical Tillage attachment uses wavy coulters that can be attached to the chisel plow shank in place of points or sweeps. The down pressure on each shank stays uniform across the entire chisel plow. The shanks act as a scraper for the coulters, so no extra equipment is needed to till wet and sticky soils. Because vertical tillage works best at high speeds, 7 – 10 horsepower per foot (17 – 24 kW per meter) is recommended. Attachment fits standard chisel plow shank boot pattern and reduces normal transport clearance.

SPECIFICATIONS

SIZES
10' – 59' (3 – 18 m)
Dual-mounted 17" (43 cm) diameter blades

BLADES
1¾" (4 cm) wave (8 waves)
Heavy-duty bearings with triple lip seals

SPACING
6" (15 cm) spacing between blades – fits most shanks on 12" (30 cm) shank spacing

POWER REQUIREMENTS
7 – 10 horsepower per foot (17 – 24 kW per meter)
speeds of 8 – 12 mph (13 – 19 kph) for best results

ROLLING PACKER

The Rolling Packer finishing attachments leave your field firm and smooth. Available in both solid round and flat bar configurations, these attachments combine field cultivation and soil packing in one pass. This one-pass solution works well in dry conditions, and the option of using this as a separate pull-behind tool makes the Wil-Rich Rolling Packer a great solution for preparing an ideal seedbed!

- Telescoping hitch provides adjustment for different tool widths
- Adjustable tongue height
- Double bar frame
- Over-center fold
- Offset 14-inch (36 cm) diameter reels provide no field seams
- Choice of ½ x 2½ inch (.8 x 6.4 cm) flat bar or ⅞ inch (2.2 cm) round rod
- Hitch retracts for shorter road transport; heights are 13½ feet (4.1 m) or less
- 120 pounds per foot (179 kg/m) of ground pressure

ROLLING PACKER SPECIFICATIONS

MODEL	WORKING WIDTH	TRANSPORT WIDTH	APPROX. WEIGHT
Rigid - Flat Bar Only			
RPFB 15	15' 6" (4.7 m)	15'6" (4.7 m)	2,195 (996 kg)
Single Fold - Flat or Round Bar			
RPFB 23 (Flat Bar Only)	23' 6" (7.2 m)	16' 0" (4.9 m)	3,119 (1,415 kg)
RP 26	26' 0" (7.9 m)	17' 6" (5.3 m)	4,569 (2,073 kg)
RP 31	31' 6" (9.6 m)	17' 6" (5.3 m)	5,252 (2,382 kg)
RP 35.5	35' 6" (10.8 m)	22' 0" (6.7 m)	6,002 (2,723 kg)
Double Fold - Flat or Round Bar			
RP 36	36' 0 (11 m)	17' 6" (5.3 m)	5,940 (2,694 kg)
RP 41	41' 0" (12.5 m)	22' 0" (6.7 m)	6,716 (3,046 kg)
RP 45.5	45' 6" (13.9 m)	22' 0" (6.7 m)	7,626 (3,459 kg)
RP 51.5	51' 6" (15.7 m)	22' 0" (6.7 m)	8,084 (3,667 kg)
RP 57.5	57' 6" (17.5 m)	22' 0" (6.7 m)	8,403 (3,812 kg)

PRIMARY TILLAGE ATTACHMENTS

Wil-Rich offers a variety of finishing attachments for our full line of primary tillage tools. These attachments are not an afterthought; they are designed to work with the primary tool to leave the desired field finish.

2-Bar Coil Tine Harrow with Rolling Basket

The 2-bar Coil Tine Harrow with flat bar rolling basket is designed with 12 inches (30 cm) between tooth bars. This attachment has five adjustments for tooth angle. The double tine tooth bar is ⅝inch (.2 cm) in diameter with 26-inch-long (66 cm) teeth. The basket has eight blades with ¼ x 1¼-inch-wide (.6 x 3 cm) steel. The basket is 13 inches (33 cm) in diameter.

3- or 4-Bar Coil Tine Harrow

Another optional finishing attachment is the 3- or 4-bar tubular harrow. It features five adjustments for tooth angle. These angle adjustments allow the user to set the aggressiveness of the harrow to the ground conditions and amount of residue on the soil surface. The tines are ⅝ inches (.2 cm) in diameter and 26 or 30 inches (66 or 76 cm) long, depending on the tool they are attached to.

5-Bar Spike Tooth Harrow

Five bars of ¾-inch-square (.2 cm) x 11-inch-long (28 cm) teeth level residue and reduce clod size.

80-FOOT QX² FIELD CULTIVATOR

THE NEXT BIG THING IN TILLAGE IS THE 80' QX² FIELD CULTIVATOR

The massive span of the Wil-Rich QX² Field Cultivator is the largest on the market and lets you eat up the ground quickly in today's high-acre world.

As the largest piece of tillage equipment ever built by Wil-Rich, the 80-foot QX² is strong enough to hold up to the challenges of the toughest field conditions and high-horsepower tractors of today and tomorrow, while shedding unnecessary weight with its efficient frame design.

See the 80-foot QX² Field Cultivator in action!

The wings of the Wil-Rich 80-foot QX² start in a 90-degree angle to the ground. Both wings unfold. Then the next set of wings unfolds 180 degrees to rest on the ground, and finally one more set of wings unfolds 180 degrees, and the massive Wil-Rich 80-foot QX² is ready for work!

The Wil-Rich 80-foot QX² transports in a compact 16½-foot (5 m)-tall by 21-foot (6.4 m)-wide package.

The Wil-Rich 80-foot QX² has sealed nongrease axle composite pivots that are virtually maintenance-free.

The main frame of the Wil-Rich 80-foot QX² rides on four 385/65R 22.5 tires with 10-bolt hubs.

The hitch system features a floating hitch to hug the roughest contours in the field.

Hydraulic castering gauge wheels carry the unit in the field and lift off the ground and lock into place for transport.

Wil-Rich shanks boast a competitive trip pressure of 150 pounds (68 kg).

The key to the 80-foot QX²'s ability to flex in the field and fold to a relatively small size is the high/low hinge.

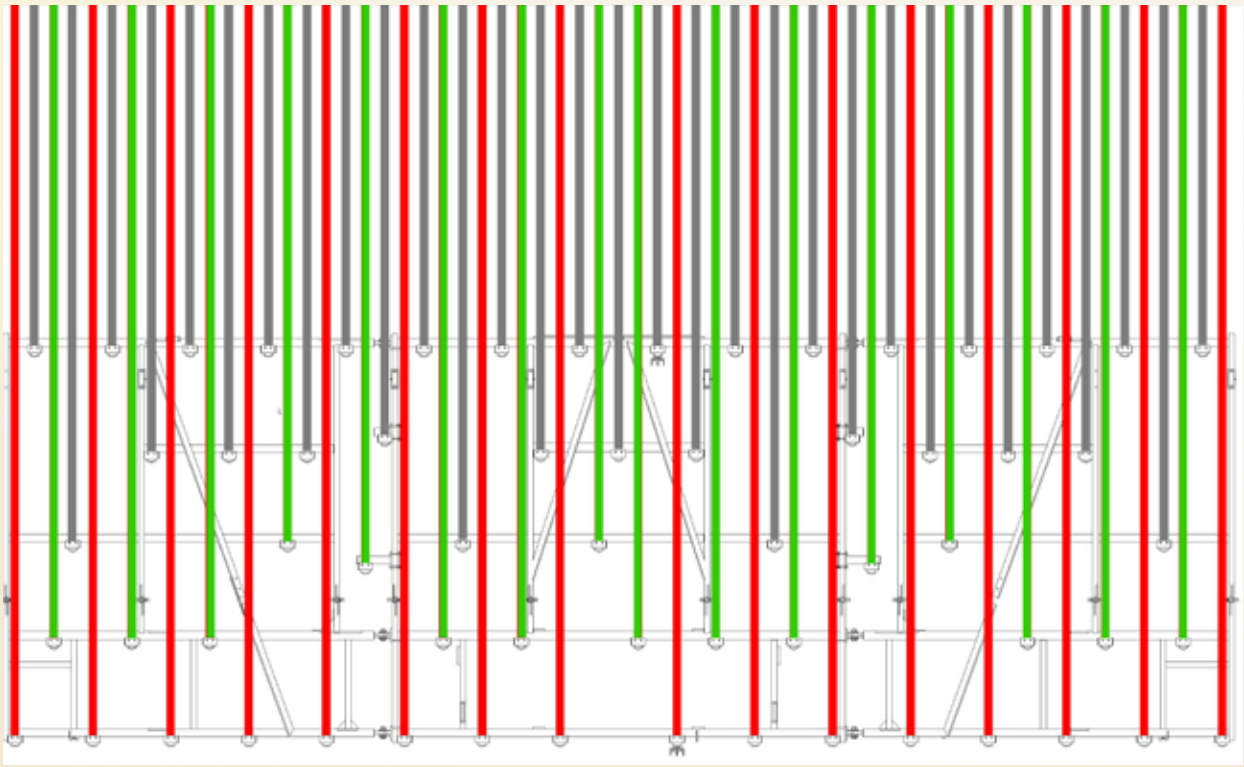
The Wil-Rich 80-foot QX² has optional rear attachments. Choose between a 4-bar coil tine harrow and a 3-bar coil tine harrow/rolling basket combination.

FIELD CULTIVATORS

Wil-Rich field cultivators have a number of common features.

THE XL² AND QX² FEATURE:

- **Hydraulic gauge wheels**
- **Wil-Rich's heavy-duty shanks with single or twin spring assemblies**
- **Proven Wil-Rich Split-the-Middle design for better trash flow through the tool and lighter draft**
- **Optional rear hitch for towing implements such as the rolling packer**
- **24-inch (61 cm) under-frame clearance**
- **Rear sixth bar for added strength and flexibility when attaching rear finishing attachments**
- **Standard walking tandems on all frames and wings**
- **Full complement of optional rear finishing attachments**
- **Optional 31 x 13.5 x 15 flotation tires**



The Wil-Rich Split-the-Middle shank pattern is configured to more thoroughly work the ground. The shanks on each rank work in the middle of the untilled area left by the preceding shanks. The Split-the-Middle shank pattern ensures that the soil is tilled across the width of the machine. The pattern also:

- Improves seedbed consistency
- Decreases plugging
- Better incorporates fertilizer and chemicals
- Eliminates residue windrowing
- Increases sweep life because wear is more even

A full complement of finishing harrow attachments is available, including the 3-bar coil tine harrow with round bar basket (shown above).

A heavy-duty rear implement hitch is optional for your towing requirements. Other options for the rear hitch include a hinged or rigid tongue, a hydraulic extension package, and an electrical extension package.

Field cultivators have a rear sixth bar for additional frame strength and more flexibility when mounting finishing attachments.

The legendary Wil-Rich shank is designed for the life of the implement. Available in 150 (68 kg) and 300-pound (136 kg) options, Wil-Rich cultivators are the right choice for your operation.

The deep 5-bar frame improves trash flow through the cultivator to maximize tillage and yield.

FIELD CULTIVATORS

Wil-Rich cultivators are the industry leaders for strength and performance. Designed for the demands of today's agriculture, Wil-Rich focuses on its customers – designing tillage tools to meet farmers' requirements.

XL² FIELD CULTIVATOR

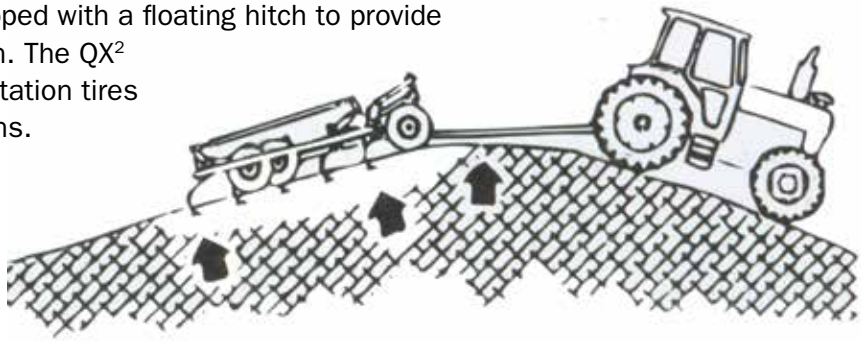
The field-proven and time-tested level lift hitch system of the XL² allows for weight transfer to the tractor. Ideal for level fields, the XL² creates a seedbed that is planter ready!

Walking tandems are standard on all main frames and 7-foot (2.1 m) or larger wings. Tire options include 11L x 15 tires or 31 x 13.5 x 15 flotation tires. All units 30 feet (9.1 m) and larger feature 12-ply tires on the main frame. All 5-section units feature highway service tires.

Standard hydraulic gauge wheels on XL² wings maintain levelness throughout all working depths.

QX² FIELD CULTIVATOR

The Wil-Rich QX² field cultivator is equipped with a floating hitch to provide accurate depth control in uneven terrain. The QX² also utilizes optional 31 x 13.5 x 15 flotation tires to enhance flotation in all field conditions.



A weight transfer kit is available for the QX² and is standard on units with 5- and 6-foot (1.5 and 1.8 m) outer wings, as well as 5-section units. The kit is optional on all other models. This kit puts weight on the floating hitch and the front gauge wheels to create more stability during transport.

Hydraulic front castering wheels on the main frame of the QX² are equipped with a wheel damper kit for stable transport assistance.

XL² AND QX²
FIELD CULTIVATORS

FRAME
11' (3.4 m) main frame
13' (4 m) main frame
6-bar frame
35" (90 cm) between ranks
140" (3.6 m) front to rear
Over-center fold wings
Level lift hitch (XL²)
Floating hitch (QX²)

HITCH
11' (3.4 m) frame – base hitch for 1½" (4 cm) drawbar pin with clevis adaptor for 1¼" (3 cm) drawbar pin
13' (4 m) frame – dual cat hitch – uses 2" (5 cm) pin
QX² – dual cat hitch for use with 2" (5 cm) pin

AXLES – MAIN FRAMES
Walking tandems
6-bolt hubs with 2" (5 cm) spindles (main frames)

AXLES – WINGS
Walking tandem
6-bolt hubs with 2" (5 cm) spindles

EDGE FORM C-SHANK
Single spring – 150 lbs. (68 kg) point pressure
Twin spring – 300 lbs. (136 kg) point pressure
Shanks on 7" (18 cm) spacing

HYDRAULICS – 11' (3.4 m) XL²
2 main lift cylinders on 19' (5.8 m) through 22' (6.7 m)
4 main lift cylinders on 25' (7.6 m) through 40' (12.2 m)
Stop collar depth control
2 wing lift cylinders on 4' (1.2 m) and 7' (2.1 m) wings
4 wing lift cylinders on 9'4" (2.8 m) wings

HYDRAULICS – 13' (4 m) XL² and QX²
4 main lift cylinders
Stop collar depth control
2 wing lift cylinders on 7' (2.1 m) wings
4 wing lift cylinders on 9'4" (2.8 m) and 11'8" (3.6 m) wings

GAUGE WHEELS
Crank adjust side-mount gauge wheels on 4' (1.2 m) wings and other models with outer stub wings
XL² – hydraulic front-mount castering gauge wheels on 9'4" (2.8 m) and 11'8" (3.6 m) wings
Optional manual or hydraulic gauge wheels on 5' (1.5 m) and 6' (1.8 m) outer stubs

FEATURES
Visual gauge of relative depth
Screw jack
Safety chain
Transport warning lights

XL² AND QX²
5-SECTION FIELD CULTIVATORS

FRAME
13' (4 m) main frame
6-bar frame
35" (90 cm) between ranks
140" (3.6 m) front to rear
Level lift hitch (XL²)
Floating hitch (QX²)

HITCH
Dual cat hitch for use with 2" (5 cm) pin

HYDRAULICS
6 main lift cylinders
Stop collar depth control
2 wing lift cylinders per wing

EDGE FORM C-SHANK
Single spring – 150 lbs. (68 kg) point pressure
Twin spring – 300 lbs. (136 kg) point pressure

EDGE FORM C-SHANK *(cont)*
Shanks on 7" (17.8 cm) spacing

GAUGE WHEELS
Hydraulic front-mount castering gauge wheels

AXLES – MAIN FRAMES
Walking tandems
8-bolt hubs with 2½" (6 cm) spindles

AXLES – WINGS
Walking tandems
6-bolt hubs with 2" (5 cm) spindles

FEATURES
Visual gauge of relative depth
Screw jack
Safety chain
Transport warning lights

QX²
80' FIELD CULTIVATOR

MAIN FRAME
16' (5 m) main frame
6-bar bolted frame
3 x 4" (8 x 10 cm) tubular frame
35" (89 cm) between five ranks
140" (356 cm) front to back
Floating hitch in field
Rigid lock hitch in transport

AXLE FOR MAIN FRAME
Dual axle
Four 385/65R 22.5 tires with 10-bolt hubs and 3" (7.6 cm) spindle
Non-grease axle composite pivots

AXLE FOR WINGS
Walking tandem with 12 31 x 13.5 tires on 10" (25.4 cm) rims
6-bolt hubs with 2" (5 cm) spindle
Nongrease axle composite pivots

GAUGE WHEELS
Eight front-mounted castering gauge wheels

GAUGE WHEELS *(cont)*
Individual hydraulically controlled 11L x 15 tires with 8" (20.3 cm) rims
6-bolt hubs with 1¾" (4.4 cm) spindle
Nongrease axle composite pivots

EDGE FORMED C-SHANK
150 lb., 9/16 x 1¾" (68 kg, 1.4 x 4.4 cm) extension spring edge-on shank

HITCH
Cat 5 hitch (for use with 2¾" (7 cm) pin)

HYDRAULICS
Single-point depth control
16 main lift cylinders
Two wing lift cylinders per wing
Complete with hose fittings

JACK
Hydraulically controlled

SAFETY EQUIPMENT
Safety chain
Transport warning light package

XL² AND QX² FIELD CULTIVATOR SPECIFICATIONS

XL² (Level Lift Hitch Only)

MODEL #	CUT WIDTH	# OF SHANKS	INNER WING	OUTER WING	# OF TIRES	TRANSPORT WIDTH	TRANSPORT HEIGHT	APPROX. WEIGHT LBS.	APPROX. POWER REQ'D
11 XL2 19-22	21'7" (6.6 m)	37	4'0" (1.2 m)	4'0" (1.2 m)	6	16'1" (4.9 m)	8'7" (2.6 m)	6,613 (3,000 kg)	155-200 (116-149 kW)
11 XL2 25	25'1" (7.6 m)	43	7'0" (2.1 m)	7'0" (2.1 m)	8	16'1" (4.9 m)	10'5" (3.2 m)	8,791 (3,988 kg)	175-225 (131-168 kW)
11XL2 25-27	27'5" (8.4 m)	47	7'0" (2.1 m)	7'0" (2.1 m)	8	16'1" (4.9 m)	11'7" (3.5 m)	9,012 (4,088 kg)	193-245 (144-183 kW)
11XL2 25-30	29'9" (9.1 m)	51	7'0" (2.1 m)	7'0" (2.1 m)	8	16'1" (4.9 m)	12'9" (3.9 m)	9,397 (4,262 kg)	210-270 (157-201 kW)
11XL2 30	29'9" (9.1 m)	51	9'4" (2.8 m)	9'4" (2.8 m)	10	16'1" (4.9 m)	12'9" (3.9 m)	10,886 (4,938 kg)	210-270 (157-201 kW)
11XL2 30-32	32'1" (6.4 m)	55	9'4" (2.8 m)	9'4" (2.8 m)	10	16'1" (4.9 m)	13'10" (4.2 m)	11,107 (5,038 kg)	225-290 (131-216 kW)
11XL2 30-36	35'7" (10.8 m)	61	9'4" (2.8 m)	9'4" (2.8 m)	10	16'1" (4.9 m)	12'9" (3.9 m)	12,439 (5,642 kg)	250-325 (186-242 kW)
11XL2 30-39	39'1" (11.9 m)	67	9'4" (2.8 m)	9'4" (2.8 m)	12	16'1" (4.9 m)	12'9" (3.9 m)	13,002 (5,898 kg)	275-350 (205-261 kW)
QX² (Floating Hitch Only)									
13QX2 27	27'5" (8.4 m)	47	7'0" (2.1 m)	7'0" (2.1 m)	12	18'5" (5.6 m)	10'5" (3.2 m)	11,153 (5,059 kg)	140-245 (104-183 kW)
13QX2 27-30	29'9" (9.1 m)	51	7'0" (2.1 m)	7'0" (2.1 m)	12	18'5" (5.6 m)	11'7" (3.5 m)	11,611 (5,267 kg)	210-270 (157-201 kW)

XL² (Level Lift Hitch) | **QX²** (Floating Hitch)

MODEL #	CUT WIDTH	# OF SHANKS	INNER WING	OUTER WING	# OF TIRES (XL2/QX2)	TRANSPORT WIDTH	TRANSPORT HEIGHT	APPROX. WEIGHT LBS. XL²/QX²	APPROX. HP REQUIREMENT
13XL2/QX2 32	32'1" (6.4 m)	55	9'4" (2.8 m)	-	10/12	18'5" (5.6 m)	12'9" (3.9 m)	11,706 / 12,691 (5,310 / 5,757 kg)	225-290 (131-216kW)
13XL2/QX2 32-34	34'5" (10.5 m)	59	9'4" (2.8 m)	-	10/12	18'5" (5.6 m)	13'10" (4.2 m)	11,927 / 12,912 (5,410 / 5,857 kg)	240-305 (179-227 kW)
13XL2/QX2 32-37	36'9" (11.2 m)	63	9'4" (2.8 m)	-	10/12	18'5" (5.6 m)	14'11" (4.5 m)	12,312 / 13,296 (5,585 / 6,031 kg)	260-335 (194-250 kW)
13XL2/QX2 32-42	42'7" (13 m)	73	9'4" (2.8 m)	5' 0"(1.5 m)	12/14	18'5" (5.6 m)	13'5" (4.1 m)	13,818 / 14,801 (6,268/6,714 kg)	245-375 (183-280 kW)
13XL2/QX2 32-45	44'11" (13.7 m)	77	9'4" (2.8 m)	6' 0" (1.8 m)	12/14	18'5" (5.6 m)	13'5" (4.1 m)	14,106 / 15,089 (6,398 / 6,844 kg)	315-405 (235-302 kW)
13XL2/QX2 37	36'9" (11.2 m)	63	11'8" (3.6 m)	-	10/12	18'5" (5.6 m)	14'11" (4.5 m)	12,604 / 13,584 (5,717 / 6,162 kg)	260-335 (194-250 kW)
13XL2/QX2 37-42	42'7" (13 m)	73	11'8" (3.6 m)	-	10/12	18'5" (5.6 m)	15'6" (4.7 m)	13,710 / 15,142 (6,219 / 6,868 kg)	295-375 (220-280 kW)
13XL2/QX2 37-47	47'3" (14.4 m)	81	11'8" (3.6 m)	5' 0"(1.5 m)	12/14	18'5" (5.6 m)	15'6" (4.7 m)	14,715 / 15,695 (6,675 / 7,119 kg)	330-425 (246-317 kW)
13XL2/QX2 37-50	49'7" (15.1 m)	85	11'8" (3.6 m)	6' 0" (1.8 m)	12/14	18'5" (5.6 m)	15'6" (4.7 m)	15,003 / 15,982 (6,805 / 7,249 kg)	350-450 (261-336 kW)
13XL2/QX2 46	46'1" (14 m)	79	9'4" (2.8 m)	7'0" (2.1 m)	16/18	18'5" (5.6 m)	13'6" (4.1 m)	18,801 / 19,495 (8,528 / 8,843 kg)	325-415 (242-310 kW)
13XL2/QX2 46-48	48'5" (14.8 m)	83	9'4" (2.8 m)	7'0" (2.1 m)	16/18	18'5" (5.6 m)	13'6" (4.1 m)	19,022 / 19,716 (8,628 / 8,943 kg)	335-435 (250-324 kW)
13XL2/QX2 46-50	50'9" (15.5 m)	87	9'4" (2.8 m)	7'0" (2.1 m)	16/18	18'5" (5.6 m)	13'6" (4.1 m)	19,262 / 19,980 (8,737 / 9,063 kg)	350-450 (261-336 kW)
13XL2/QX2 50	50'9" (15.5 m)	87	11'8" (3.6 m)	7'0" (2.1 m)	16/18	18'5" (5.6 m)	15'6" (4.7 m)	19,637 / 20,330 (8,907 / 9,222 kg)	350-450 (261-336 kW)
13XL2/QX2 50-53	53'1" (16.2 m)	91	11'8" (3.6 m)	7'0" (2.1 m)	16/18	18'5" (5.6 m)	15'6" (4.7 m)	19,858 / 20,551 (9,007 / 9,322 kg)	375-475 (280-354 kW)
13XL2/QX2 55	55'5" (16.9 m)	95	11'8" (3.6 m)	9'4" (2.8 m)	16/18	18'5" (5.6 m)	15'6" (4.7 m)	20,286 / 20,979 (9,202 / 9,516 kg)	385-495 (287-367 kW)
13XL2/QX2 55-58	57'9" (17.6 m)	99	11'8" (3.6 m)	9'4" (2.8 m)	16/18	18'5" (5.6 m)	15'6" (4.7 m)	20,507 / 21,200 (9,302 / 9,616 kg)	410-525 (306-392 kW)
13XL2/QX2 55-60	60'1" (18.3 m)	103	11'8" (3.6 m)	9'4" (2.8 m)	16/18	18'5" (5.6 m)	15'6" (4.7 m)	20,772 / 21,465 (9,422 / 9,736 kg)	425-540 (317-403 kW)

MODEL #	WORKING WIDTH	# OF SHANKS	INNER WING	MIDDLE WING	OUTER WING	TRANSPORT WIDTH	TRANSPORT HEIGHT	APPROX. WEIGHT (LBS.)	APPROX. HP REQUIREMENT
80-foot QX² 16-foot (5 m) Main Frame with Dual Axle on Main Frame									
16 QX² 80	79'11" (24.4 m)	137	11'8" (3.6 m)	11'8" (3.6 m)	8'2" (2.5 m)	20'10" (6.4 m)	16'6" (5 m)	33,866 (15,361 kg)	550+ HP (410+ kW)

SOIL FINISHER

The Soil Finisher from Wil-Rich is a one-pass disc cultivator that saves you time and fuel. A heavy main frame, which provides proper ballast, combined with a square disc gang shaft, ensures that all discs turn and engage the soil. The Wil-Rich Soil Finisher has a deep 5-bar frame with 31 inches (79 cm) between ranks, allowing you to work in high residue conditions without plugging. The 9-inch (23 cm) shank spacing of the Soil Finisher is well suited for use in worked corn stalks, soybean ground, wheat stubble, and sugar beet ground.

Deep 5-bar frame with 31 inches (79 cm) between ranks allows the Soil Finisher to operate in high residue conditions without plugging. With 125 inches (3.2 m) between the front and rear row of shanks, combined with 9-inch (23 cm) shank spacing, this one-pass disc cultivator is an excellent choice for high residue flow, seedbed preparation, and chemical incorporation.

Disc gangs set at an 8-degree cutting angle allow for exceptional cutting and penetration of the 20 (51 cm) x ¼ inch (.64 cm) shallow, concave blades. Spaced at 9 inches (23 cm), the discs have the ability to penetrate 3 inches (8 cm) deeper than the sweeps and lift to 7 inches (18 cm) above the sweep point. Easily replaceable scrapers work to prevent sticky soil buildup on the disc gang.

Single-point depth control is a standard feature to allow quick and easy adjustments of working depth.

SOIL FINISHER

- **Single-point depth control for quick and easy adjustments**
- **C-spring mounted bearings protect disc gangs by absorbing shock from field obstructions**
- **300-lb. (136 kg) point pressure shank with 9-inch (23 cm) shank spacing**

Disc gangs are protected by the mounted C-spring to absorb shock by field obstructions.

Disc gangs are hydraulically controlled for on-the-go depth adjustments.

Front-mounted castering gauge wheels on the wings help maintain stability and consistent working depth.

Depth control on 4-foot (1.2 m) wings is maintained by a rigid outer gauge wheel. 7-foot (2.1 m) wings have a single wing axle with hydraulicallycontrolled, front-mounted castering gauge wheels. Units with 10-foot (3 m) wings have tandem axles with hydraulicallycontrolled front-mounted castering gauge wheels.

The level lift hitch features heavy 3 x 5 inch (8 x 13 cm) and 4 x 6 inch (10 x 15 cm) tubing with a heavy-duty jack.

The full array of finishing attachments is optional for the Soil Finisher.

SOIL FINISHER SPECIFICATIONS

MODEL #	WORKING WIDTH	# OF SHANKS	INNER WING	OUTER WING	STUB	DISC BLADES	# OF TIRES	TRANSPORT WIDTH	TRANSPORT HEIGHT	APPROX. POWER REQ'D	APPROX. WEIGHT LBS.
11' (3.4 m) Main Frame with Tandems – Folding wings with crank-adjustable side-mount gauge wheel											
DCIV 19	18'9" (5.7 m)	25	4' (1.2 m)	-	-	26	6	14'6" (4.4 m)	8'0" (2.4 m)	170-200 (127-149 kW)	9,791 (4,441 kg)
DCIV 19-22	21'9" (6.6 m)	29	4' (1.2 m)	-	18" (45.7 cm)	30	6	14'6" (4.4 m)	9'0" (2.7 m)	200-240 (149-179 kW)	10,145 (4,602 kg)
11' (3.4 m) Main Frame with Tandems – Folding wings with single axle											
DCIV 25	24'9" (7.5 m)	33	7' (2.1 m)	-	-	34	8	16'0" (4.9 m)	10'6" (3.2 m)	225-275 (168-205 kW)	12,128 (5,501 kg)
DCIV 25-28	27'9" (8.5 m)	37	7' (2.1 m)	-	18" (45.7 cm)	38	8	16'0" (4.9 m)	12'0" (3.7 m)	250-300 (186-224 kW)	12,440 (5,643 kg)
11' (3.4 m) Main Frame with Tandems – Folding wings with tandem axle and hydraulically-controlled castering gauge wheels											
DCIV 31	30'9" (9.4 m)	41	10' (3 m)	-	-	42	10	16'0" (4.9 m)	13'6" (4.1 m)	280-340 (209-254 kW)	14,842 (6,732 kg)
14 ' (4.3 m) Main Frame with Tandems – Folding wings with tandem axle and hydraulically-controlled castering gauge wheels											
DCIV 34	33'9" (10.3 m)	45	10' (3 m)	-	-	46	10	19'0" (5.8 m)	13'6" (4.1 m)	300-375 (224-280 kW)	16,443 (7,458 kg)
DCIV 34-37	36'9" (11.2 m)	49	10' (3 m)	-	18" (45.7 cm)	50	10	19'0" (5.8 m)	15'0" (4.6 m)	330-400 (246-298 kW)	16,788 (7,615 kg)
14' (4.3 m) Main Frame 5 – Section with Tandems – Folding wings with tandem axle and hydraulicallycontrolled castering gauge wheels											
DCIV 42	42'9" (12.8 m)	57	10' (3 m)	4' (1.2 m)	-	56	12	19'0" (5.8 m)	15'0" (4.6 m)	375-460 (280-343 kW)	20,008 (9,075 kg)
DCIV 42-45	45'9" (13.7 m)	61	10' (3 m)	4' (1.2 m)	18" (45.7 cm)	60	12	19'0" (5.8 m)	15'0" (4.6 m)	400-500 (298-373 kW)	20,361 (9,236 kg)

SEEDBED FINISHER

The Wil-Rich 1400 Seedbed Finisher is the perfect tool for creating a seedbed in the Mississippi Delta. This do-all machine penetrates, mixes, smooths, and firms the ground, preparing your fields for even emergence of delicate crops.

By preparing the soil correctly, a planter can run right behind the Wil-Rich 1400 Seedbed Finisher, preserving moisture and extending the planting window. Built for both raised seedbeds and flat or rolling ground, the Wil-Rich 1400 Seedbed Finisher features the heaviest cutter reel to penetrate the ground.

Shanks on the Wil-Rich 1400 Seedbed Finisher penetrate the ground to break up the soil. The shank works well on flat ground.

The cutting reel pulverizes the ground to mix soil and incorporate chemical accurately at the required depth. This balanced and heavy cutter has self-aligning bearings.

The rear leveling board firms the ground for an ideal seedbed.

Gauge wheels control the depth of the Wil-Rich 1400 Seedbed Finisher in rolling ground.

FEATURES

FRAME
25 – 39' (7.6 – 12 m) working width
Adjustable wing hinges
Heavy duty 7 x 7" (17.8 x 17.8 cm) and 6 x 6" (15.24 x 15.24 cm) frame
4'6" (1.4 m) ground transport axles tube supported by large, lubricated mounts
Leveling crank with lube fittings and thrust bearings

WHEELS
Four dual walking wheels
11L x 15 12-ply on 15 x 8 6-bolt rims

HITCH
Dual cat hitch
Reversible for straight or hammerstrap type drawbars
3-point adjustable hitch

HYDRAULICS
2 main lift cylinders
2 wing fold cylinders
Complete with hose and fittings

CUTTER WHEEL
5 spiral cutter bars per reel
3/8 x 4" (1 x 10.4 cm) cutter bar with plow share steel
Triple lip sealed bearings with lube fitting
Lube fitting guard protects from dirt and residue

FEATURES
Screw jack
Safety chain
Transport warning lights

The spike harrow drags the soil and breaks up clods to smooth the ground.

Bearing guard protects bearing from debris.

SEEDBED FINISHER SPECIFICATIONS

		REELS		TRANSPORT		
MODEL #	WORKING WIDTH	CENTER	WING	WIDTH	HEIGHT	WEIGHT (LBS.)
8 Row - Non-folding with 36" to 40" (91.3 to 101.6 cm) Row Spacing						
247071	25'8" (7.8 m)	-	-	16'6" (5 m)	9'6" (3 m)	6,053 (2,746 kg)
12 Row - Folding with 30" (76.2 cm) Row Spacing						
239545	29'3" (9 m)	2/7' (2 m)	2/7' (2 m)	19'6" (6 m)	11'7" (3.5 m)	7,654 (3,472 kg)
12 Row - Folding with 40" (101.6 cm) Row Spacing						
234898	39'3" (12 m)	2/9' (2.75 m)	2/9' (2.75 m)	25' (7.6 m)	13'11" (4.25 m)	9,952 (4,514 kg)
8 Row - Folding with 36"-40" (91.3 to 101.6 cm) Row Spacing - 3-point mount						
211754	25'10" (8 m)	2/6' (2 m)	2/6' (2 m)	17'9" (5.4 m)	9'6" (3 m)	4,565 (2,071 kg)
12 Row - Folding with 40" (101.6 cm) Row Spacing - 3-point mount						
211758	39'3" (12 m)	2/9' (2.75 m)	2/9' (2.75 m)	20'7" (6.3 m)	7'10" (2.4 m)	7,686 (3,486 kg)

SECONDARY TILLAGE ATTACHMENTS

Wil-Rich has a number of attachments to finish and firm fields, leaving an ideal seedbed. These harrows attach to any Wil-Rich cultivator.

3-BAR COIL ROLLING BASKET COMBINATION

Three rows of 7/16 x 18 inch (1.1 x 46 cm) tines level the soil profile and distribute residue, while the basket reduces clod size and firms the seedbed. Basket pressures are adjustable and range up to 100 pounds per foot (149 kg/m). The basket is easily pinned up to a nonworking position. The rolling basket is available with flat or round bars.

3-BAR SPIKE ROLLING BASKET COMBINATION

Three rows of ¾ square x 11 inch (1.9 x 28 cm) long spikes level residue, while the rolling basket reduces clod size and firms the seedbed. Basket pressures are adjustable and can be set up to 100 pounds per foot (149 kg/m).

4-BAR COIL TINE HARROW

The 7/16 x 18 inch (1.1 x 46 cm) tines provide a smooth and level finish when handling tough residue. Front to rear levelness and tine pitch are easily adjusted to achieve the desired field finish.

5-BAR SPIKE TOOTH HARROW

Five bars of ¾ square x 11 inch (1.9 x 28 cm) long teeth level residue and reduce clod size.

NOTES

NOTES

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