

Tillage Guide

WIL-RICH®

Designed for the demands of today's fields.



VÄDERSTAD



Welcome to Väderstad

Together with farmers all over the world, we have spent the last three generations creating machines that make any farmland find its full potential. The high quality Väderstad planters, seed drills and tillage equipment give farmers a head start by covering more ground in shorter time without losing perfection.

Together we make you an even more successful farmer.

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, ND, designed and built a truck hoist that could withstand the rigors of modern farming in the 1960s. A group of businessmen from Wahpeton, ND, purchased this small upstart and named it Wil-Rich – from the names of Wilkin and Richland counties, where operations were based.

Since then, Wil-Rich has expanded and refined its product line throughout the years to currently offer a full line of primary and secondary tillage equipment such as cultivators, chisels, rippers, and combination tillage units.

In 2021, the Wil-Rich line of equipment and sister brands Wishek and Concord were purchased by Väderstad AB of Sweden. Väderstad's colorful history dates back to the early 60s, and has ever since been characterized by an entrepreneurial spirit, the creation of ingenious farm machinery, and a strong drive to rationalize farming methods.

The company, now known as Väderstad Inc., will continue to innovate and provide the high-quality products and levels of service and support that the Wil-Rich name has been known for in the quest to be the world's leading partner for an outstanding emergence.



“It is very inspiring that the cousins in the third generation are so involved in the company. My father said to me when I became a shareholder, ‘We have started to roll the snowball; now it is up to you to keep it rolling.’ The ‘snowball’ is now larger than when I started, but still we have only scratched the surface of our potential, and there is still much to be done,” says Crister Stark, Chairman of the Board.

To ensure long term ownership, the nine cousins Stark and Gilstring, are shareholders together with Crister, Christina, Andreas and Bo Stark. This means that Väderstad Group now has 13 shareholders.

Väderstad's ambition is to keep the ownership in the family with the goal set on continuous profitable growth. Our business idea will remain the same: To supply modern agriculture with highly efficient machinery and methods.

Built for your operation

Wil-Rich tillage equipment is built
for the most demanding conditions.





Proven Performance

Heavy-duty Wil-Rich equipment prepares your fields for outstanding emergence.



The Wil-Rich line of primary tillage tools tears through even the heaviest crop residue, while the 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. The philosophy of continuous improvement leads the industry by producing the strongest, most advanced, and best implements.

From the beginning, the Wil-Rich machines have been developed with one goal in mind: to provide proper equipment for seed germination and root growth of your crops, leading to maximized yields.



Wil-Rich trip/shank assembly

All Wil-Rich trip/shank assemblies are engineered for strength and durability. With on-edge shanks that have wider, zero maintenance pivots designed for the life of the machine and some of the highest trip pressures in the industry, these assemblies are the leaders among all categories of tillage equipment. Wil-Rich shanks are also designed for optimal residue flow through the implement to minimize plugging.



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.



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.

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.





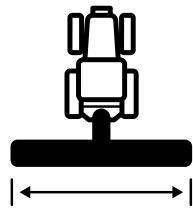
QX²/XL² Field Cultivators

Wil-Rich cultivators are the industry leaders for strength and performance. They're designed for the demands of today's agriculture with two hitch options to meet the needs of many farming operations.

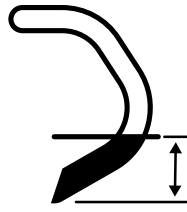


Split-the-middle shank pattern

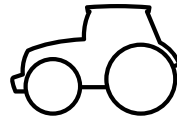
A split-the-middle shank pattern is configured to thoroughly work the ground. Shanks on each rank work in the middle of the untilled area left by the preceding shanks. This ensures consistent tillage across the width of the machine. It also eliminates residue windrowing and decreases plugging. Additionally, the design maximizes sweep life and provides superior incorporation of fertilizer and chemicals.



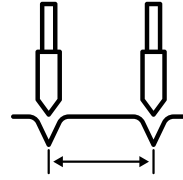
21.6-60.1 ft
(7.6-18.3 m)



5 in max
(12.7 cm)



>155 hp



7 in
(17.8 cm)

The industry standard



XL² pictured top, QX² pictured bottom



Gauge wheels

Caster gauge wheels have an open design for easier maintenance, less plugging and greater stability on the road and in the field.



Shanks

The edge formed c-shanks allow for maximum residue flow and are available with single or double spring cushions.



Depth control

Single point depth control allows the working depth for the full width of the implement to be easily set from one spot.

Hitches

Wil-Rich cultivators are offered with multiple hitch styles. Each one offers unique benefits to meet the needs of different farming operations.

Hitch types



Floating hitch

QX² models are equipped with a floating hitch to provide accurate depth control in uneven terrain.



Level lift hitch

XL² models are equipped with the field-proven and time-tested level lift hitch that allows weight transfer to the tractor. Designed for level field conditions, this hitch style creates a seedbed that is planter ready.

Hitch shapes



T-hitch

A T-hitch option is available on 13-ft main frame QX² cultivators, allowing for a tighter turning radius. It includes a weight transfer kit, which shifts weight onto the hitch for towing stability.



A-hitch

An A-hitch is the standard hitch style on QX² and XL² models. It includes a weight transfer kit, which shifts weight onto the hitch for towing stability.

Finishing attachments

Finishing attachments help produce the ideal seedbed. A variety of options are available to accommodate various soil conditions.

3-Bar Coil Rolling Basket Combination

Three rows of $\frac{7}{16}$ x 18 in (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 lbs per ft (149 kg/m). Choose from round and flat bar options. A hydraulic lift option is also available for the baskets.



4-Bar Coil Tine Harrows

The $\frac{7}{16}$ x 18 in (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. The four-bar harrow offers 3-inch spacing.



5-Bar Spike Tooth Harrow

Five bars of 0.75 square x 11 in (1.9 x 28 cm) long teeth level residue and reduce clod size.



Features

3-section

Main Frame

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

Hitch

11 ft (3.4 m) frame – Cat. III tongue for 1.5 in (4 cm) diameter pin with clevis adaptor for 1.25 in (3 cm) pin
13 ft (4 m) frame – Cat. IV tongue for 2 in (5 cm) diameter pin

Axles – 11 ft (3.4 m) XL²

Walking tandems
6-bolt hubs with 2 in (5 cm) spindles

Axles – 13 ft (4 m) XL² and QX²

Walking tandems
8-bolt hubs with 2.5 in (6 cm) spindles (main frame)
6-bolt hubs with 2 in (5 cm) spindles (wings)

Edge Form C-Shank

Single spring – 150 lbs (68 kg) trip pressure
Twin spring – 300 lbs (136 kg) trip pressure
Shanks on 7 in (18 cm) spacing

Hydraulics – 11 ft (3.4 m) XL²

4 main lift cylinders
Single Point Depth Control
2 wing lift cylinders on 7 ft (2.1 m) wings
4 wing lift cylinders on 9 ft 4 in (2.8 m) wings

Hydraulics – 13 ft (4 m) XL² and QX²

4 main lift cylinders
Single Point Depth Control
2 wing lift cylinders on 7 ft (2.1 m) wings
4 wing lift cylinders on 9 ft 4 in (2.8 m) and 11 ft 8 in (3.6 m) wings

Gauge Wheels

Crank adjust side-mount gauge wheels on 9 ft 4 in (2.8 m)
Hydraulic front-mount castering gauge wheels on 9 ft 4 in (2.8 m) and 11 ft 8 in (3.6 m) wings
Optional manual or hydraulic gauge wheels on 5 ft (1.5 m) and 6 ft (1.8 m) outer stubs

Safety Equipment

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

Features

5-section

Main Frame

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

Hitch

Cat. IV tongue for 2 in (5 cm) diameter pin

Axles – Main Frames and Wings

Walking tandems
8-bolt hubs with 2.5 in (6 cm) spindles (main frame)
6-bolt hubs with 2 in (5 cm) spindles (wings)

Edge Form C-Shank

Single spring – 150 lbs (68 kg) trip pressure
Twin spring – 300 lbs (136 kg) trip pressure
Shanks on 7 in (17.8 cm) spacing

Hydraulics

6 main lift cylinders
Single Point Depth Control
2 wing lift cylinders per wing

Gauge Wheels

Hydraulic front-mount
Castering gauge wheels

Safety Equipment

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

Specifications

Level Lift Hitch	11XL² 25	11XL² 25-27	11XL² 30-32	11XL² 30-39	13XL² 32
Number of shanks	43	47	55	67	55
Cutting width, ft (m)	25.1 (7.6)	27.4 (8.4)	32.1 (6.4)	39.1 (11.9)	32.1 (6.4)
Inner wing, ft (m)	7 (2.1)	7 (2.1)	9.3 (2.8)	9.3 (2.8)	9.3 (2.8)
Outer wing, ft (m)	7 (2.1)	7 (2.1)	9.3 (2.8)	9.3 (2.8)	-
Number of tires	8	8	10	12	10
Transport width, ft (m)	16.1 (4.9)	16.1 (4.9)	16.1 (4.9)	16.1 (4.9)	18.4 (5.6)
Transport height, ft (m)	10.4 (3.2)	11.6 (3.5)	13.8 (4.2)	12.75 (3.9)	12.75 (3.9)
Weight, lbs (kg)	8,800 (3,992)	9,000 (4,082)	11,500 (5,216)	13,500 (6,123)	12,500 (5,670)
Horsepower requirement	225-290	193-245	225-290	275-350	225-290

Level Lift Hitch	13XL² 32-34	13XL² 32-42	13XL² 32-45	13XL² 37
Number of shanks	59	73	77	63
Cutting width, ft (m)	34.4 (10.5)	42.6 (13)	44.9 (13.7)	36.75 (11.2)
Inner wing, ft (m)	9.3 (2.8)	9.3 (2.8)	9.3 (2.8)	11.7 (3.6)
Outer wing, ft (m)	-	5 (1.5)	6 (1.8)	-
Number of tires	10	12	12	10
Transport width, ft (m)	18.4 (5.6)	18.4 (5.6)	18.4 (5.6)	18.4 (5.6)
Transport height, ft (m)	13.8 (4.2)	13.4 (4.1)	13.4 (4.1)	14.9 (4.5)
Weight, lbs (kg)	12,700 (5,761)	15,200 (6,895)	15,400 (6,985)	13,200 (5,987)
Horsepower requirement	235-300	245-375	315-405	260-335

Level Lift Hitch	13XL² 37-42	13XL² 37-50	13XL² 46-50	13XL² 55	13XL² 55-60
Number of shanks	73	85	87	95	103
Cutting width, ft (m)	42.6 (13)	49.6 (15.1)	50.75 (15.5)	55.4 (16.9)	60.1 (18.3)
Inner wing, ft (m)	11.7 (3.6)	11.7 (3.6)	9.3 (2.8)	11.7 (3.6)	11.7 (3.6)
Outer wing, ft (m)	-	6 (1.8)	7 (2.1)	9.3 (2.8)	9.3 (2.8)
Number of tires	10	12	16	16	16
Transport width, ft (m)	18.4 (5.6)	18.4 (5.6)	18.4 (5.6)	18.4 (5.6)	18.4 (5.6)
Transport height, ft (m)	15.5 (4.7)	15.5 (4.7)	13.5 (4.1)	15.5 (4.7)	15.5 (4.7)
Weight, lbs (kg)	15,500 (7,031)	16,200 (7,348)	19,800 (8,981)	20,800 (9,435)	21,300 (9,662)
Horsepower requirement	295-375	350-450	350-450	385-495	425-540

Floating Hitch	13QX² 32	13QX² 32-34	13QX² 32-42	13QX² 32-45	13QX² 37
Number of shanks	55	59	73	77	63
Cutting width, ft (m)	32.1 (6.4)	34.4 (10.5)	42.6 (13)	44.9 (13.7)	36.75 (11.2)
Inner wing, ft (m)	9.3 (2.8)	9.3 (2.8)	9.3 (2.8)	9.3 (2.8)	11.7 (3.6)
Outer wing, ft (m)	-	-	5 (1.5)	6 (1.8)	-
Number of tires	12	12	14	14	12
Transport width, ft (m)	18.4 (5.6)	18.4 (5.6)	18.4 (5.6)	18.4 (5.6)	18.4 (5.6)
Transport height, ft (m)	12.75 (3.9)	13.8 (4.2)	13.4 (4.1)	13.4 (4.1)	14.9 (4.5)
Weight, lbs (kg)	13,500 (6,123)	13,700 (6,214)	16,300 (7,394)	16,500 (7,484)	14,300 (6,486)
Horsepower requirement	225-290	235-300	245-375	315-405	260-335

Floating Hitch	13QX² 37-42	13QX² 37-50	13QX² 46-50	13QX² 55
Number of shanks	73	85	87	95
Cutting width, ft (m)	42.6 (13)	49.6 (15.1)	50.75 (15.5)	55.4 (16.9)
Inner wing, ft (m)	11.7 (3.6)	11.7 (3.6)	9.3 (2.8)	11.7 (3.6)
Outer wing, ft (m)	-	6 (1.8)	7 (2.1)	9.3 (2.8)
Number of tires	12	14	18	18
Transport width, ft (m)	18.4 (5.6)	18.4 (5.6)	18.4 (5.6)	18.4 (5.6)
Transport height, ft (m)	15.5 (4.7)	15.5 (4.7)	13.5 (4.1)	15.5 (4.7)
Weight, lbs (kg)	16,500 (7,484)	17,300 (7,847)	20,500 (9,299)	21,600 (9,798)
Horsepower requirement	295-375	350-450	350-450	385-495

Floating Hitch	13QX² 55-60
Number of shanks	103
Cutting width, ft (m)	60.1 (18.3)
Inner wing, ft (m)	11.7 (3.6)
Outer wing, ft (m)	9.3 (2.8)
Number of tires	18
Transport width, ft (m)	18.4 (5.6)
Transport height, ft (m)	15.5 (4.7)
Weight, lbs (kg)	22,000 (9,979)
Horsepower requirement	425-540

*Approx weight: base weight + (number of shanks x shank weight)

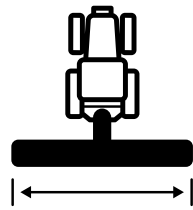
1500 Bedder Finisher

The Wil-Rich 1500 Series Bedder Finisher is the perfect tool for creating a finished and conditioned raised bed. The Bedder Finisher penetrates the ground to improve irrigation and drainage by forming a raised bed and shaping irrigation and drainage furrows in a single pass. This machine mixes, smooths, and firms the ground, preparing your fields for even emergence of crops. As a one-pass preparation tool, the Wil-Rich 1500 Series Bedder Finisher saves time, fuel, and labor costs by combining several field operations.

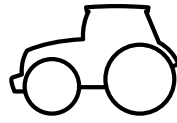


Cutter reel

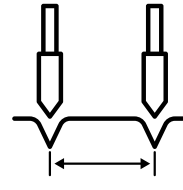
The heart of the 1500 Series is the 5-bar cutter reel. The spiral design is made with 3/8 x 4-1/8 in (1 x 9.8 cm) plow share steel to penetrate the ground up to 4 in (10 cm), breaking up clods, incorporating chemicals, and leveling the top of the seedbed. Self-aligning bearings on the cutter reel are triple lip sealed with a guard to protect from dirt and residue.



25.7-39.25 ft
(7.8-12 m)



>200 hp



36-40 in
(91-102 cm)

Create the perfect raised bed



Shanks

The 12-row 1500 Series Bedder Finisher has shanks with furrow shovels located in front of and behind the cutter reel for a clean and well-shaped furrow. The shanks can be adjusted to both align between the rows or one in between and one on the row to work existing beds with a sweep.

Double conditioning baskets

The 1500 Series features double conditioning baskets with a flat bar basket in the front and round bar basket in the rear to reduce clod size, as well as level and firm the soil to optimize the seedbed for more even germination and emergence. They are spring mounted for consistent field finishing.

Features

Main Frame

3 x 7 in (7.6 x 18 cm) heavy duty toolbar

Hitch

3-point: Cat. 3, 3N, or 4N

Hydraulics

4 wing fold cylinders

Cutter Reel

5 spiral cutter bars per reel

3/8 x 4-1/8 in (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

Conditioning Baskets

Front: 8.25 x 1.25 in (21 x 3.2 cm) flat bars, 11 in (28 cm) diameter

Rear: 10 round 0.84 in (2.1 cm) bars, 13.8 in (34.7 cm) diameter

Safety Equipment

Transport warning lights

Slow moving vehicle sign

Other

Parking stands are standard equipment

Optional gauge wheels

Specifications

	Folding Models			
	SBF-1500-8R38	SBF-1500-8R40	SBF-1500-12R36	SBF-1500-12R38
Number of rows	8	8	12	12
Row spacing, in (cm)	38 (96.5)	40 (101.6)	36 (91.4)	38 (96.5)
Number of fold cylinders	2	2	4	4
Working width, ft (m)	26.75 (8.2)	27.5 (8.4)	37 (11.3)	39 (11.9)
Cutter reel/rear basket width, ft (m)	6.5 (2)	6.5 (2)	8.5 (2.6)	9 (2.7)
Transport width, ft (m)	14.25 (4.3)	14.25 (4.3)	19 (5.8)	20 (6.1)
Transport height, ft (m)	7 (2.1)	7 (2.1)	8.5 (2.6)	9 (2.7)
Weight, lbs (kg)	8,364 (3,794)	8,364 (3,794)	11,482 (5,208)	11,745 (5,327)
Horsepower requirement	200	200	300	300

	SBF-1500-12R40	SBF-1500-16R30
Number of rows	12	16
Row spacing, in (cm)	40 (101.6)	30 (76.2)
Number of fold cylinders	4	4
Working width, ft (m)	41 (12.5)	41 (12.5)
Cutter reel/rear basket width, ft (m)	10 (3)	10 (3)
Transport width, ft (m)	21 (6.4)	21 (6.4)
Transport height, ft (m)	10 (3)	10 (3)
Weight, lbs (kg)	11,882 (5,390)	12,448 (5,646)
Horsepower requirement	300	300



1400 Series 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.



1400 model shown above.



Shanks

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



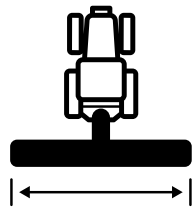
Cutting reel

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.

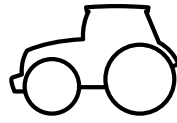


Rear leveling board

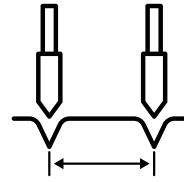
The rear leveling board firms the ground for an ideal seedbed.



25.7-39.25 ft
(7.8-12 m)



>120 hp



30-40 in
(91.3-101.6 cm)

A perfect seedbed preparation tool



1403 model shown above.



Gauge wheels

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



Spike harrow

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



Bearing guard

Bearing guards protect the bearings from debris.

Features

Main Frame

25 - 39 ft (7.6 - 12 m) working width
Adjustable wing hinges
Heavy duty 7 x 7 in (17.8 x 17.8 cm) and 6 x 6 in (15.24 x 15.24 cm) frame
4.5 ft (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

Pull type 8-row: reversible for straight or hammer strap type drawbars
Pull type 12-row: Cat. IV tongue for 2 in (5 cm) diameter pin
Mounted 8-row: 3-pt. hitch adjustable to Cat. II or III, or quick attach coupler
Mounted 12-row: 3-pt. hitch adjustable to Cat. III

Hydraulics

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

Wheel

5 spiral cutter bars per reel
3/8 x 4 in (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

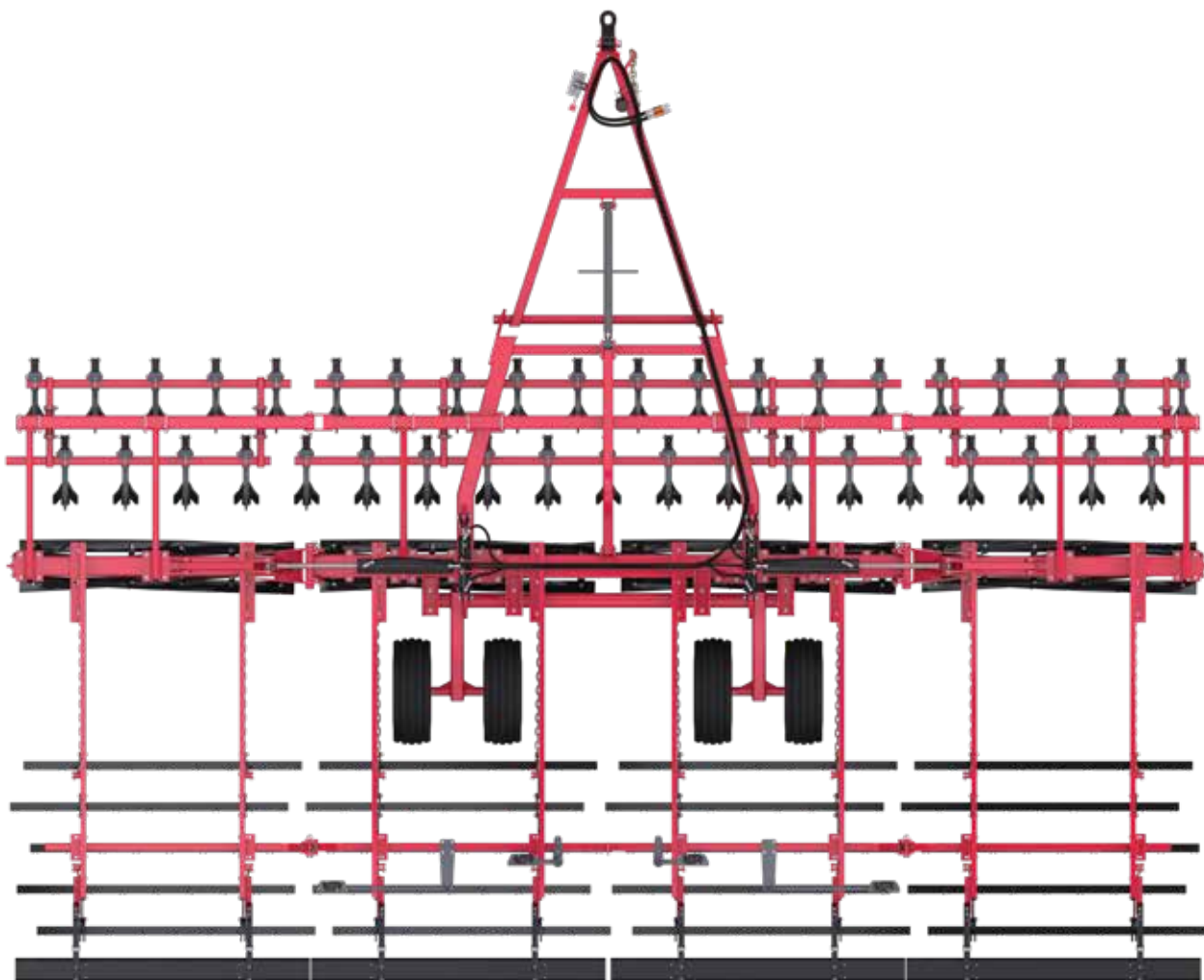
Safety Equipment

Screw jack
Safety chain
Transport warning lights

Specifications

	Folding Models		
	SBF-1400-8R36-40	SBF-1400-12R30	SBF-1400-12R40
Number of rows	8	12	12
Row spacing, in (cm)	36/40 (91.3/101.6)	30 (76.2)	40 (101.6)
Working width, ft (m)	25.75 (7.8)	29.25 (9)	39.25 (12)
Cutter reel width, ft (m)	6 (1.8)	7 (2)	9 (2.75)
Transport width, ft (m)	16.5 (5)	19.5 (6)	25 (7.6)
Transport height, ft (m)	9.5 (3)	11.5 (3.5)	14 (4.3)
Weight, lbs (kg)	13,536 (6,140)	13,283 (6,025)	16,231 (7,362)
Horsepower requirement	120	160	200

	Folding Models	
	SBF-1403-8R36-40	SBF-1403-12R40
Number of rows	8	12
Row spacing, in (cm)	36/40 (91.3/101.6)	40 (101.6)
Working width, ft (m)	25.75 (7.8)	39.25 (12)
Cutter reel width, ft (m)	6 (2)	9 (2.75)
Transport width, ft (m)	17.75 (5.4)	20.75 (6.3)
Transport height, ft (m)	9.5 (3)	8 (2.4)
Weight, lbs (kg)	5,193 (2,356)	9,137 (4,144)
Horsepower requirement	120	190



2500 Series Chisel Plow

The 2500 Series Chisel Plow from Wil-Rich integrates a deeper frame front to rear in a refined design, compared to its predecessor. The deep frame utilizes four ranks to improve the flow of heavy residue from today's higher yielding crops. The 2500 Series not only has a deep frame, but also 3/8 in (9 mm) thick steel for even more strength. This makes it one of the strongest tillage implements on the market.



The Wil-Rich 2500 Series Chisel Plow is available in 12 or 15-in (30.5 or 38.1 cm) shank spacing and with trip pressure options of 650 lbs (295 kg) or 1,000 lbs (454 kg). Select sizes are also available with either a level lift or floating hitch. This allows it to be built to accommodate the specific needs of your operation.

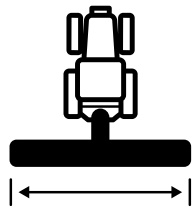
Level lift hitch

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.

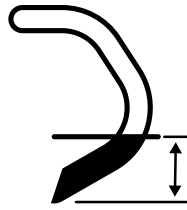


Floating hitch

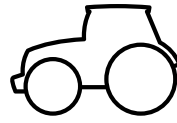
The floating hitch pivots between the tractor and the main frame. This pivot point allows the unit to follow the contour of the ground. The front casting gauge wheels are mechanically synchronized with the rear axle, allowing the unit to maintain level working depth from front to rear.



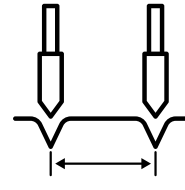
13-60 ft
(4-18.3 m)



10 in
(25.4 cm)



>100 hp



12 or 15 in
(30.5 or 38.1 cm)

Superior strength



Gauge wheels

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



Tranportation

12R22.5 x 8.25 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.



Points

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

Compression spring trip assembly

The 1,000 lbs (453.6 kg) compression spring trip assemblies use Wil-Rich's legendary on-edge shanks with wider, zero maintenance pivots that are designed for the life of the machine.



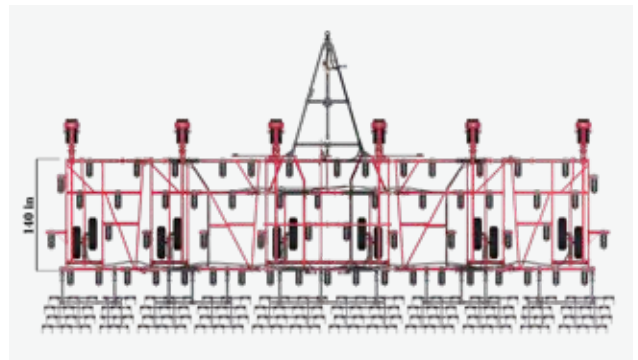
Extension spring trip assembly

The 650 lbs (295 kg) extension spring trip assemblies of the 2500 series Chisel Plow are built to tackle the toughest soils.



Deep frame

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



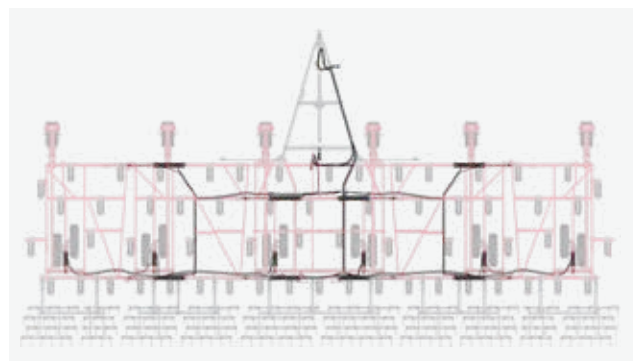
Compact

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



Hydraulics

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



Features

Frame

13 ft (4 m) main frame
4-bar welded frame
4 x 4 in (10.2 x 10.2 cm) tubular frame
140 in (355.6 cm) front to back
Over-center folding wings

Hitch

Level lift only on 13-29 ft (4-8.8 m) models
Level lift or floating hitch available on 31 ft (9.4 m) and larger
Cat. IV tongue for 2 in (5 cm) diameter pin for 2530 series or Cat. V tongue for
2.75 in (7 cm) diameter pin for 2550 series
Screw type hitch jack

Shank Spacing

12 in (30.5 cm) or 15 in (38.1 cm) spacing

Shank Options

650 lb (295 kg) extension spring trip assemblies with 2 x 1.25 x 32 in
(5.1 x 3.2 x 81.3 cm) shank at 54° approach
1,000 lb (454 kg) compression spring trip assemblies with 1.25 x 2 x 30 in
(3.2 x 5.1 x 76.2 cm) on-edge shank at 50° approach

Hydraulics

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

Gauge Wheels

Hydraulically controlled on floating hitch units (31x13.5-15)
Ratchet adjust on level lift units (9.5Lx15)

Safety Equipment

Safety chain
Transport warning lights

Specifications

Level Lift Hitch	Rigid Models		
	2510 CPR 13	2510 CPR 13-15	2510 CPR 13-17
Number of shanks 12 in/15 in	13/10	15/12	17/14
Working width for 12 in, ft (m)	13 (4)	15 (4.6)	17 (5.2)
Working width for 15 in, ft (m)	12.5 (3.8)	15 (4.6)	17.5 (5.3)
Inner wing, ft (m)	-	-	-
Outer wing, ft (m)	-	-	-
Transport width, ft (m)	13.5 (4.1)	14.7 (4.5)	17.1 (5.2)
Transport height, ft (m)	6.7 (2.1)	6.7 (2.1)	6.7 (2.1)
Weight, lbs (kg)	5,540 (2,513)	5,817 (2,639)	6,202 (2,813)
Horsepower requirement	100-156	120-180	140-204

Level Lift Hitch	Folding Models, 3 ft Wings		
	2530 CPW 19	2530 CPW 19-21	2530 CPW 19-23
Number of shanks 12 in/15 in	19/-	21/16	23/18
Working width for 12 in, ft (m)	19 (5.8)	21 (6.4)	23 (7)
Working width for 15 in, ft (m)	-	20 (6.1)	22.5 (6.9)
Inner wing, ft (m)	3 (.9)	3 (.9)	3 (.9)
Outer wing, ft (m)	-	-	-
Transport width, ft (m)	14.1 (4.3)	14.1 (4.3)	14.1 (4.3)
Transport height, ft (m)	9.75 (3)	9.9 (3)	10.1 (3.1)
Weight, lbs (kg)	7,393 (3,353)	7,671 (3,480)	8,055 (3,654)
Horsepower requirement	190-228	160-252	180-276

Level Lift Hitch	Folding Models, 6 ft Wings		
	2530 CPW 25	2530 CPW 25-27	2530 CPW 25-29
Number of shanks 12 in/15 in	25/20	27/22	29/24
Working width for 12 in, ft (m)	25 (7.6)	27 (8.2)	29 (8.8)
Working width for 15 in, ft (m)	25 (7.6)	27.5 (8.4)	30 (9.1)
Inner wing, ft (m)	6 (1.8)	6 (1.8)	6 (1.8)
Outer wing, ft (m)	-	-	-
Transport width, ft (m)	14.1 (4.3)	14.1 (4.3)	14.1 (4.3)
Transport height, ft (m)	11.1 (3.4)	11.4 (3.5)	11.7 (3.6)
Weight, lbs (kg)	9,810 (4,450)	10,088 (4,576)	10,472 (4,750)
Horsepower requirement	200-300	220-324	240-348

Level Lift or Floating Hitch	Folding Models, 9 ft Wings				
	2530 CPW 31	2530 CPW31-33	2530 CPW 31-35	2530 CPW 31-37	2530 CPW 31-39
Number of shanks 12 in/15 in	31/24	33/26	35/28	37/30	39/32
Working width for 12 in, ft (m)	31 (9.4)	33 (10)	35 (11)	37 (11.3)	39 (11.9)
Working width for 15 in, ft (m)	30 (9.1)	32.5 (10)	35 (11)	37.5 (11.4)	40 (12.2)
Inner wing, ft (m)	9 (2.7)	9 (2.7)	9 (2.7)	9 (2.7)	9 (2.7)
Outer wing, ft (m)	-	-	-	3 (.9)	3 (.9)
Transport width, ft (m)	19.2 (5.8)	19.2 (5.8)	19.2 (5.8)	19.2 (5.8)	19.2 (5.8)
Transport height, ft (m)	12.5 (3.8)	13.5 (4.1)	14.5 (4.4)	12.5 (3.8)	12.5 (3.8)
Weight with level lift hitch, lbs (kg)	15,311 (6,945)	15,588 (7,071)	15,973 (7,245)	17,249 (7,824)	17,526 (7,950)
Weight with floating hitch, lbs (kg)	17,004 (7,713)	17,281 (7,839)	17,666 (8,013)	18,942 (8,592)	19,219 (8,718)
Horsepower requirement	240-372	260-396	280-420	300-444	320-468

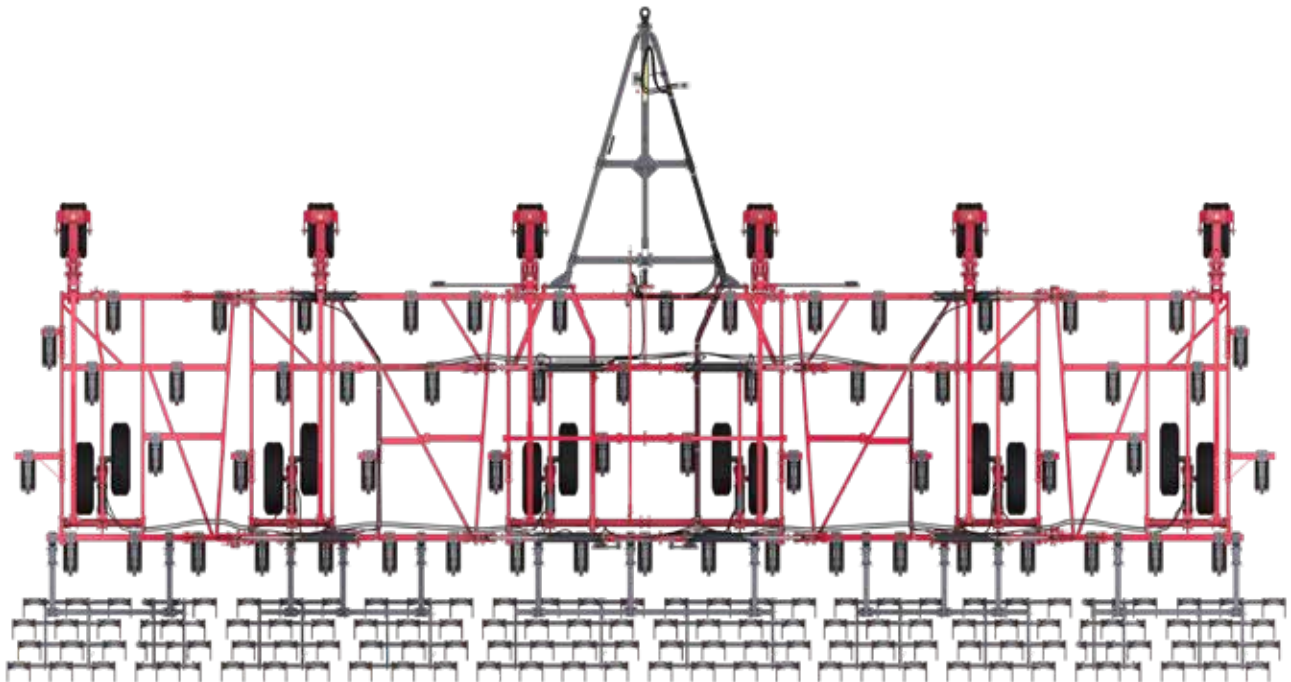
2530 CPW 31-41	
Number of shanks 12 in/15 in	41/34
Working width for 12 in, ft (m)	41 (12.5)
Working width for 15 in, ft (m)	42.5 (13)
Inner wing, ft (m)	9 (2.7)
Outer wing, ft (m)	3 (.9)
Transport width, ft (m)	19.2 (5.8)
Transport height, ft (m)	12.5 (3.8)
Weight with level lift hitch, lbs (kg)	17,911 (8,124)
Weight with floating hitch, lbs (kg)	19,604 (8,892)
Horsepower requirement	340-492

*Approx weight: base wt + 12 in shank spring (number of shanks x 650 lbs extension springs)

Level Lift or Floating Hitch	Folding Models, 12 ft Wings				
	2530 CPW 37	2530 CPW 37-39	2530 CPW 37-43	2530 CPW 37-45	2530 CPW 37-47
Number of shanks 12 in/15 in	37/30	39/32	43/34	45/36	47/38
Working width for 12 in, ft (m)	37 (11.3)	39 (11.9)	43 (13.1)	45 (13.7)	47 (14.3)
Working width for 15 in, ft (m)	37.5 (11.4)	40 (12.2)	42.5 (13)	45 (13.7)	47.5 (14.5)
Inner wing, ft (m)	12 (3.7)	12 (3.7)	12 (3.7)	12 (3.7)	12 (3.7)
Outer wing, ft (m)	3 (.9)	3 (.9)	3 (.9)	3 (.9)	3 (.9)
Transport width, ft (m)	19.2 (5.8)	19.2 (5.8)	19.2 (5.8)	19.2 (5.8)	19.2 (5.8)
Transport height, ft (m)	15.5 (4.7)	16.5 (5)	16.5 (5)	16.5 (5)	16.5 (5)
Weight with level lift hitch, lbs (kg)	16,557 (7,510)	16,835 (7,636)	18,545 (8,412)	18,822 (8,538)	19,206 (8,712)
Weight with floating hitch, lbs (kg)	18,250 (8,278)	18,528 (8,404)	20,238 (9,180)	20,515 (9,305)	20,899 (9,480)
Horsepower requirement	300-444	320-468	340-516	360-540	380-564

Floating Hitch	Folding Models, 6 or 9 ft Wings			
	2550 CPW 49	2550 CPW 49-51	2550 CPW 55	2550 CPW 55-59
Number of shanks 12 in/15 in	49/-	51/40	55/44	59/48
Working width for 12 in, ft (m)	49 (15)	51 (15.5)	55 (16.8)	59 (18)
Working width for 15 in, ft (m)	-	50 (15.2)	55 (16.8)	60 (18.3)
Inner wing, ft (m)	12 (3.7)	12 (3.7)	12 (3.7)	12 (3.7)
Outer wing, ft (m)	6 (1.8)	6 (1.8)	9 (2.7)	9 (2.7)
Transport width, ft (m)	19.2 (5.8)	19.2 (5.8)	19.2 (5.8)	19.2 (5.8)
Transport height, ft (m)	17.3 (5.3)	17.3 (5.3)	17.3 (5.3)	17.3 (5.3)
Weight, lbs (kg)	26,825 (12,168)	27,102 (12,293)	27,919 (12,664)	28,581 (12,964)
Horsepower requirement	490-588	400-600+	400-600+	480-600+

*Approx weight: base wt + 12 in shank spring (number of shanks x 650 lbs extension springs)



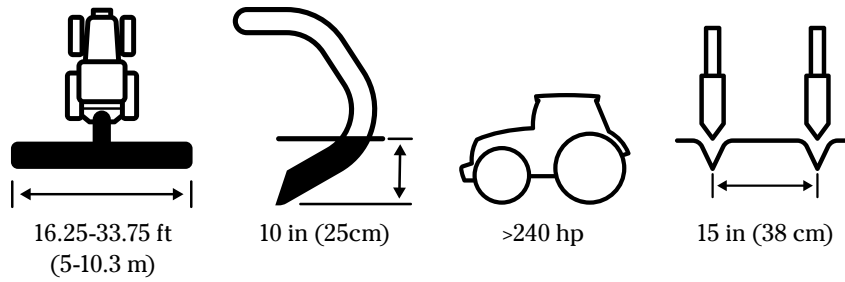
483 Chisel Pro

Engineered to loosen soil, bury heavy trash, and properly size clods for a smoother field finish, the Wil-Rich 483 Chisel Pro is the ideal tool for today's high yielding crops.



Built with 24 in (61 cm) concave razor blades and 1,400 lb (635 kg) trip pressure shanks, the 483 Chisel Pro gives the soil mixing of a ripper and the width of a chisel plow. Because it works at a maximum depth of 10 in (25 cm), the 483 Chisel Pro requires less horsepower than a disc ripper, allowing for wider working widths and more productivity.





Engineered to loosen soil



Shanks

Four ranks of 1,400 lb (635 kg) trips with on-edge chisel shanks give additional digging and mixing after the discs. 60 in (152 cm) spacing between shanks on each of the ranks allows for excellent trash flow through the tool. The overall 15 in (38 cm) spacing aids in a smoother field finish than the typical wider shank spacing of disc rippers.



Leveling attachments

Optional leveling attachments of a three-bar harrow, four-bar harrow, or three-bar harrow with hydraulic rolling basket with adjustable down pressure leave a smooth field finish for spring seedbed preparation.

Features

Frame

Under frame clearance: 32 in (81 cm)

Wheels

Walking tandem wheels: 8-bolt 10 x 22.5 in (25 x 57 cm) with 12R22.5x8.25 truck tires

Caster wheels: 6-bolt 10 in (25 cm) with 31x13.5-15 12-ply gauge wheels

Hitch

Floating hitch

Pull type

Cat. IV & V options for 2 in (5 cm) & 2.75 in (7 cm) diameter pins

Disc

24 in (61 cm) diameter serrated concave

C-spring mounted

18-degree cutting angle

7.5 in (19 cm) nominal spacing

Shanks

Heavy-duty 1,400 lb (635 kg) trips

15 in (38 cm) overall spacing cushion trip mounted at 50° approach

Working Depth

Discs: 6 in (15 cm) maximum

Shanks: 10 in (25 cm) maximum

Power Requirements

20-30 hp per shank

Attachments

3-bar harrow

4-bar harrow

3-bar harrow/hydraulic basket



Discs

Two rows of double-mounted discs can be set for desired depth independent of the shanks. Concave razor blades are 24 in (61 cm) in diameter and spaced 15 in (38 cm) apart. The second rank of blades is offset from the first for effective spacing of 7-1/2 in (19 cm).



Floating hitch

The floating hitch on the 483 Chisel Pro provides exceptional depth control and ground following capability.



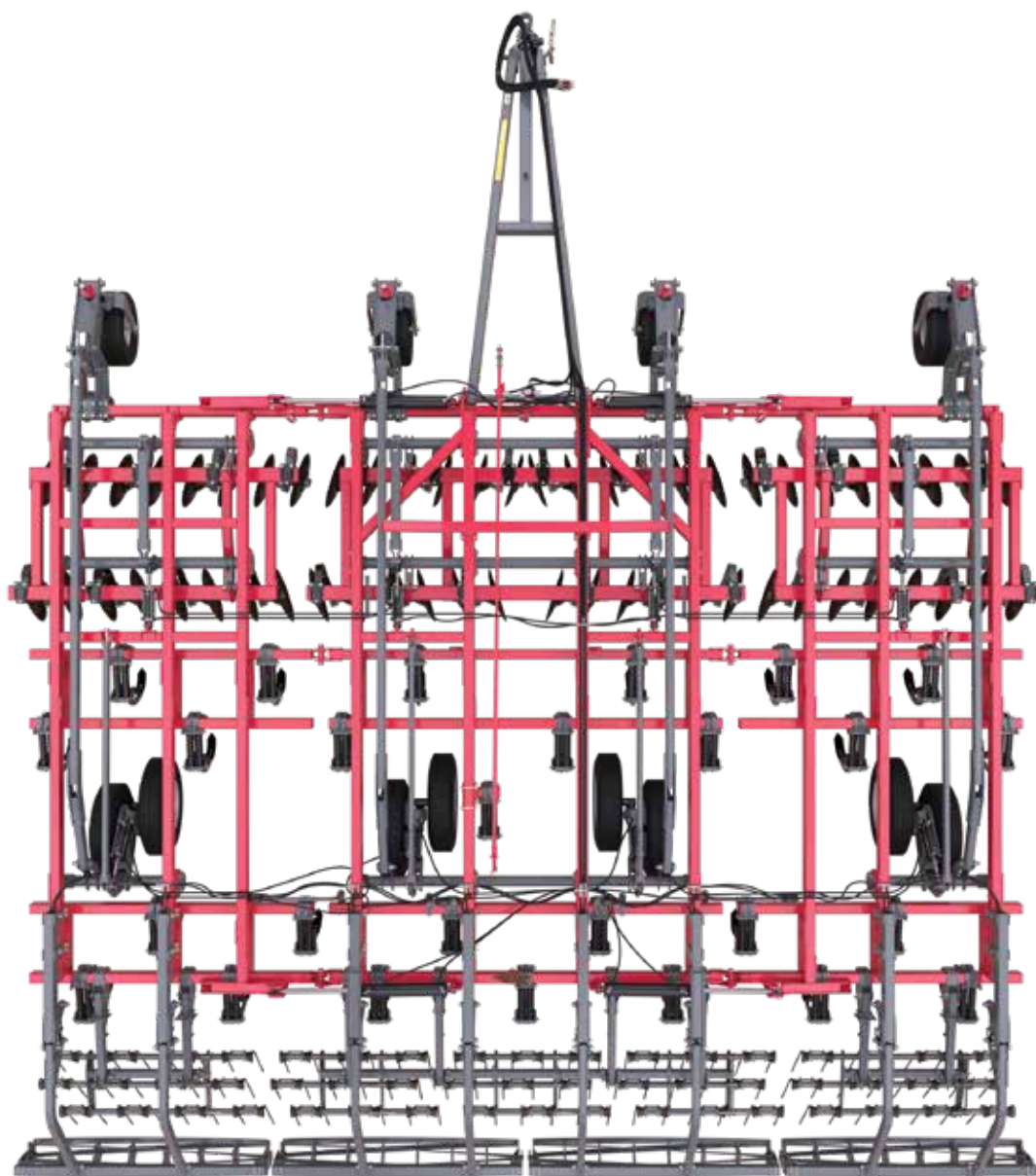
Walking tandems

22-1/2 in (56 cm) walking tandems provide better flotation and easier transport.

Specifications

Level Lift or Floating Hitch	Rigid Models		Folding Models		
	483-16	483-19	483-24	483-29	483-34
Number of shanks	13	15	19	23	27
Number of blades	24	32	40	48	56
Working width, ft (m)	16.25 (5)	18.75 (5.7 m)	25 (7.6)	28.75 (8.8)	33.75 (10.3)
Shank spacing, in (cm)	15 (38)	15 (38)	15 (38)	15 (38)	15 (38)
Transport width, ft (m)	17.5 (2.3)	20 (6)	20 (6)	20 (6)	20 (6)
Transport height, ft (m)	6 (1.8)	6 (1.8)	12 (3.7)	13 (4)	15 (4.6)
Transport length, ft (m)	35.3 (10.8)	35.3 (10.8)	35.3 (10.8)	35.3 (10.8)	35.3 (10.8)
Weight, lbs (kg)	15,469 (7,017)	16,981 (7,702)	27,157 (12,318)	29,879 (13,553)	33,103 (15,015)
Horsepower requirement	240-360	300-450	380-570	460-620+	540-620+

*Approx weight: (number of shanks x shank weight) + tire group weight + base weight



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.

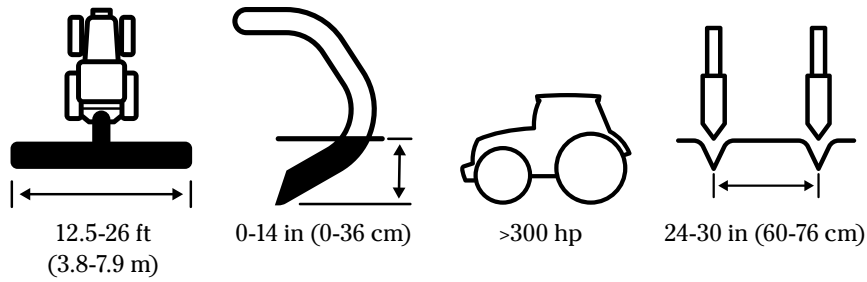


The SoilPro 513 is available in cutting widths from 12.5 to 26 ft (3.8 - 7.9 m). The SoilPro 513 has industry-leading, large-diameter 28 in (71 cm) disc blades on two-rank individual C-spring disc blade mounting to bury and mix residue for quick decomposition. The 3,500 lb (1,588 kg) trip pressure ripper shanks penetrate even the toughest soil.



Heavy-duty frame

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



Made for maximum soil penetration



Rank spacing

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



Disc blades

Individually mounted C-spring, 28 in (71 cm) disc blades have an effective spacing of 19 in (48 cm).



Hitch

Hydraulic jack is standard.

Features

Frame

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

Hydraulics – Rigid Units

Two main lift cylinders 4.5 x 12 in (11 x 30 cm)
Two disc lift cylinders 4 x 8 in (10 x 20 cm)

Hydraulics – Folding Units

Two main lift cylinders 5 x 12 in (13 x 30 cm)
Two wing lift cylinders 4.5 x 12 in (11 x 30 cm)
Two main disc lift cylinders 4 x 8 in (10 x 20 cm)
Two wing disc lift cylinders 3.75 x 8 in (10 x 20 cm)
Four fold cylinders 4 x 36 in (10 x 91 cm)

Hitch

Visual gauge of relative disc depth
Level lift hitch
Fabricated Steel Cat. V tongue hitch for 2.75 in (7 cm) diameter pin

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

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

Disc

Smooth blades 28 x 5/16 in (71 x .8 cm)
19 in (48 cm) blade spacing, 9.5 in width (24 cm) effective cut
Hydraulic depth control
Individual disc blades
C-spring mounted
18-degree cutting angle

Working Depth

Shanks 0 to 14 in (0 - 36 cm)
Discs 0 to 8 in (0 - 20 cm)

Operating Speed

4 to 6 mph (6 - 10 kph)

Safety Equipment

Safety chain
Transport warning lights
Mechanical transport locks
Slow moving vehicle sign

Specifications

	Rigid Models		
	5-30 SP 513	7-24 SP 513	9-24 SP 513
Number of shanks	5	7	9
Number of blades	18	18	24
Working width, ft (m)	12.5 (3.8)	14 (4.3)	18 (5.5)
Shank spacing, in (cm)	30 (76)	24(60)	24(60)
Transport width, ft (m)	16.2 (4.9)	16.2 (4.9)	21.25 (6.5)
Transport height, ft (m)	7 (2.1)	7 (2.1)	7 (2.1)
Transport length, ft (m)	33.4 (10.2)	33.4 (10.2)	33.4 (10.2)
Weight, lbs (kg)	17,180 (7,793)	18,061 (8,192)	21,143 (9,590)
Horsepower requirement	300-400	300-450	350-450

	Folding Models		
	9-24 SP513	11-24 SP 513	13-24 SP513
Number of shanks	9	11	13
Number of blades	24	30	34
Working width, ft (m)	18 (5.5)	22 (6.7)	26 (7.9)
Shank spacing, in (cm)	24 (60)	24 (60)	24 (60)
Transport width, ft (m)	15.75 (4.8)	19.25 (5.9)	19.25 (5.9)
Transport height, ft (m)	11.8 (3.6)	13.7 (4.2)	19.25 (5.9)
Transport length, ft (m)	33.4 (10.2)	33.4 (10.2)	33.4 (10.2)
Weight, lbs (kg)	22,567 (10,236)	32,280 (14,642)	33,688 (15,281)
Horsepower requirement	350-450	450-550	500+

*Approx weight: base weight + tire group

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

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 in (30 cm) between tooth bars. A harrow and rolling basket work together to create a desirable field finish. The aggressiveness of the tines is adjustable. The basket has eight blades with 0.25 x 1.25 in wide (.6 x 3 cm) steel. The basket is 13 in (33 cm) in diameter.

Available for 2500 Series Chisel Plow and SoilPro 513.



3-Bar Coil Tine Harrow with Rolling Basket

This finishing option includes a 3-bar Coil Tine Harrow and hydraulically adjustable rolling baskets. Operators can modify the basket down pressure from the cab to produce the desired field finish. They can also be lifted off the ground completely in wet conditions or when not needed.

Available for 483 Chisel Pro.



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 5/8 in (.2 cm) in diameter and 26 or 30 in (66 or 76 cm) long, depending on the tool they are attached to.

Available for 2500 Series Chisel Plow, 483 Chisel Pro, and SoilPro 513.





357 Inline Ripper

The Wil-Rich 357 Inline Ripper is ideal for heavy residue conditions, featuring a strong, rugged design to penetrate even the hardest ground. It is available with rigid or spring reset options, plus multiple shank options, such as parabolic, minimal disturbance, and low disturbance shanks.



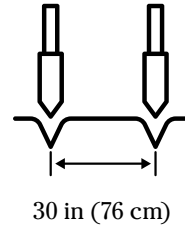
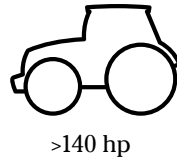
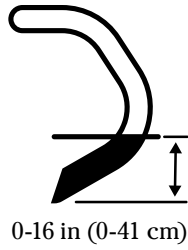
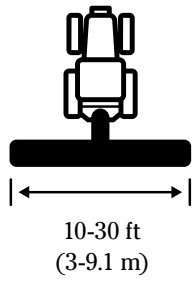
Shank Options

Three styles of shanks are available. Choose from 1.25-in (3.2 cm) wide parabolic shanks, 1.25-in (3.2 cm) wide low disturbance shanks, or .75-in (1.9 cm) wide minimal disturbance shanks.



Ripper Points

Depending on the shanks used, multiple ripper options are available, ranging from 3-8 in (7.6-20.3 cm).



Deep ripping performance



Spring Reset Trip Assembly
A massive 4,250 lb (1,928 kg) twin reset trip assembly keeps shanks in the ground.



Box Frame
A box frame design provides the 357 In-Line Ripper with superior strength.



Adjustable Gauge Wheels
The adjustable gauge wheels have eight settings to ensure uniform working depth in all soil types and conditions.

Features

Frame

4 x 6 x 0.375 in (10.1 x 15.2 x 1 cm) tubular frame

Wheels

Walking tandem wheels

Gauge Wheels

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

Safety Equipment

Transport warning lights

Shanks

Available with 4, 5, 6, 7, 8 and 12 shanks

Spacing: 30 in (76 cm)

4,250 lb (1,928 kg) twin spring reset shank holder

Optional 12 in (30.5 cm) shank staggering bracket

Shank Working Depth

Parabolic: 16 in (41 cm) maximum

Low disturbance: 16 in (41 cm) maximum

Minimal disturbance: 16 in (41 cm) maximum

Trip height: 16 in (41 cm) maximum

Coulters: 7 in (17.8 cm) maximum

Hitch

3-point hitch, 12-shank pull type unit utilizes a Cat. IV tongue for 2 in (5 cm) diameter pins



Optional Coulters

The Inline Ripper is available with 20 in (51 cm) spring-loaded coulters to easily slice through residue.



Hitch Options

The Inline Ripper can be equipped with a pull type hitch, including hydraulic lift wheels. A three-point rigid mount is also available.

Specifications

3-Point Mounted Rigid Models

	3-5 3-Pt. 30	5 3-Pt. 30	5-7 3-Pt. 30
Shank spacing, in (cm)	30 (76)	30 (76)	30 (76)
Working width, ft (m)	12.5 (3.8)	12.5 (3.8)	17.5 (5.3)
Shanks needed	5	5	7
Transport width, ft (m)	10.8 (3.3)	10.8 (3.3)	16.2 (4.9)
Transport height, ft (m)	-	-	-
Weight, lbs (kg)	1,222 (554.2)	1,190 (539.8)	1,875 (850.5)
Horsepower requirement	175-250	175-250	245-350

3-Point Mounted Rigid Models

	4 3-Pt. 30	4-6 3-Pt. 30	8 3-Pt. 30
Shank spacing, in (cm)	30 (76)	30 (76)	30 (76)
Working width, ft (m)	10 (3)	15 (4.6)	20 (6.1)
Shanks needed	4	6	8
Transport width, ft (m)	10.8 (3.3)	14.3 (4.4)	20.2 (6.1)
Transport height, ft (m)	-	-	-
Weight, lbs (kg)	1,190 (539.8)	1,529 (693.5)	1,840 (834.6)
Horsepower requirement	140-200	210-300	280-400

Folding Models

8 3-Pt. 30

Shank spacing, in (cm)	30 (76)
Working width, ft (m)	20 (6.1)
Shanks needed	8
Transport width, ft (m)	12 (3.7)
Transport height, ft (m)	11 (3.4)
Weight, lbs (kg)	2,607 (1,182.5)
Horsepower requirement	280-400

Fold Over Models

12 Pull 30

Shank spacing, in (cm)	30 (76)
Working width, ft (m)	30 (9.1)
Shanks needed	12
Transport width, ft (m)	16.4 (4.6)
Transport height, ft (m)	15 (4.6)
Weight, lbs (kg)	6,909 (3,133.9)
Horsepower requirement	420-600

*Approx weight: base weight (less shanks)



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