

Mounted Rollover Plows



[www.KuhnNorthAmerica.com](http://www.KuhnNorthAmerica.com)

## MASTER

103 / 123 / 153 / 183 series



**Invest in Quality®**

# DEPENDABILITY MATTERS



Plowing – Sometimes the proven ways are best! Long-term, profitable farming requires intimate knowledge of your soil’s structure and overall fertility.

With the continued increase of herbicide resistant weeds and crops that produce tremendous volumes of residue, savvy producers have realized the value a plow brings to their tillage practices.

With Kuhn plows you are investing in a time-tested yet innovative solution for maximizing your crop’s yield potential, while at the same time keeping your operating costs in check.

Benefit from a number of improved features including reinforced box sections, rapid adjustment of furrow widths and superior protection systems.

Whether a small, specialized farm or a large scale operation, Kuhn has a plow to fit your tillage needs!

## MOUNTED ROLLOVER PLOWS

Master Series in brief:

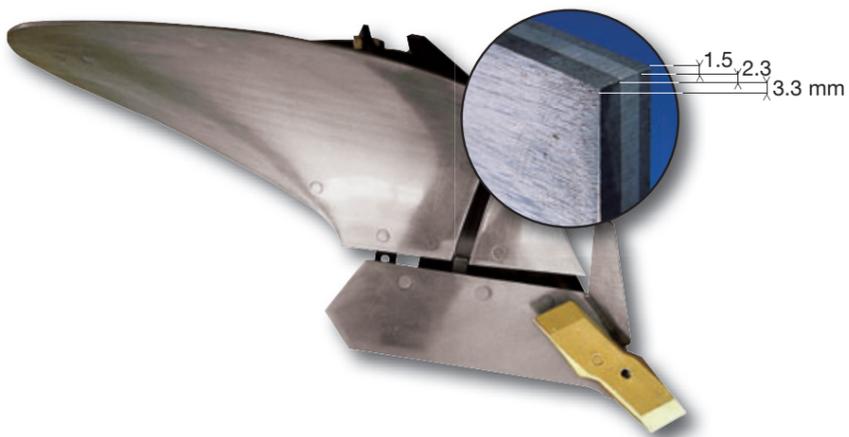
| Series | Main-Frame Size | Number of Bodies |
|--------|-----------------|------------------|
| 103    | 4"              | 2 – 4            |
| 123    | 4 ¾"            | 3 – 5            |
| 153    | 6"              | 3 – 5            |
| 183    | 7"              | 5 – 7            |



# PLOW BODIES DESIGNED TO SAVE ON COSTS

## MOLDBOARDS WITH UNEQUAL LAYER TRIPLEX STEEL

Moldboards are made of unequal layer, heat-treated Triplex steel that have an increased working life up to 40% and a hard wearing surface over 1/8" thick.



## DESIGNED TO REDUCE WEARING COST

Shares are forged with a force of 6,000 tons ensuring:

- Excellent wear resistance
- Self-sharpening profile due to the grain in the steel resulting from the forging process



## MOLDBOARD POINTS

### OLYMPIC® (Standard)

Reversible for maximum efficiency. More pronounced form at wearing zones on the point for longer life and better protection of the landside. Point is self-sharpening for good ground penetration at all times.



### MARATHON®

Reversible for maximum efficiency and features a step, resulting in better landside protection.



### SUPER MARATHON®

Fitted with a tungsten carbide tip. High wear resistance with four to five times the life of a traditional share point. A sharp working edge is maintained for excellent ground penetration. Excellent for highly abrasive soils without rocks or stones.



# CHOOSE THE MOLDBOARD THAT FITS YOUR SOIL CONDITIONS



## H4 MOLDBOARD

The H4, helicoidal, scandinavian-type moldboard provides well-formed plowing to a normal depth range of 7-12" (H4 will plow to 14"). The share is fitted with a reversible/replaceable point that greatly increases the life of the share.

Recommended for fall plowing, the H4 body is especially suited for heavy and damp clays. Furrow passes are well defined and trash burial is excellent.



## N MOLDBOARD

The helicoidal-cylindrical semi-digger N moldboard plows to a depth of 14". Designed with a highly versatile body, it is cylindrical at front, helicoidal at rear. A low draft ensures a partly broken furrow with excellent trash burial.

Recommended for spring plowing, this moldboard is versatile and works well in sandy or clay soils.



## VP SLATTED MOLDBOARD

The VP slatted moldboard composed of independent and interchangeable slats. Gives a reduction of traction force, due to a lower moldboard surface area.

Designed for use in extremely sticky muck and clay soils. Not for use in sand or loam soils or in soils with rocks or stones. The multiple slats allow individual replacement from wear.

| Horsepower | 40 | 60       | 80       | 100        | 120        | 140        | 160          | 180          | 200          | 220        | 240        | 260        | 280          | 300          | 320          | 340        | 360        | 380        | 400          | 420          |  |
|------------|----|----------|----------|------------|------------|------------|--------------|--------------|--------------|------------|------------|------------|--------------|--------------|--------------|------------|------------|------------|--------------|--------------|--|
| Master 103 |    | 2 BOTTOM |          |            |            |            |              |              |              |            |            |            |              |              |              |            |            |            |              |              |  |
|            |    |          | 3 BOTTOM |            |            |            |              |              |              |            |            |            |              |              |              |            |            |            |              |              |  |
|            |    |          |          | 3 BOTTOM T |            |            |              |              |              |            |            |            |              |              |              |            |            |            |              |              |  |
| Master 123 |    |          |          |            | 4 BOTTOM T |            |              |              |              |            |            |            |              |              |              |            |            |            |              |              |  |
|            |    |          |          |            |            | 5 BOTTOM T |              |              |              |            |            |            |              |              |              |            |            |            |              |              |  |
|            |    |          |          |            |            |            | 3 BOTTOM NSH |              |              |            |            |            |              |              |              |            |            |            |              |              |  |
|            |    |          |          |            |            |            |              | 4 BOTTOM NSH |              |            |            |            |              |              |              |            |            |            |              |              |  |
|            |    |          |          |            |            |            |              |              | 5 BOTTOM NSH |            |            |            |              |              |              |            |            |            |              |              |  |
| Master 153 |    |          |          |            |            |            |              |              |              | 3 BOTTOM T |            |            |              |              |              |            |            |            |              |              |  |
|            |    |          |          |            |            |            |              |              |              |            | 4 BOTTOM T |            |              |              |              |            |            |            |              |              |  |
|            |    |          |          |            |            |            |              |              |              |            |            | 5 BOTTOM T |              |              |              |            |            |            |              |              |  |
|            |    |          |          |            |            |            |              |              |              |            |            |            | 3 BOTTOM NSH |              |              |            |            |            |              |              |  |
|            |    |          |          |            |            |            |              |              |              |            |            |            |              | 4 BOTTOM NSH |              |            |            |            |              |              |  |
|            |    |          |          |            |            |            |              |              |              |            |            |            |              |              | 5 BOTTOM NSH |            |            |            |              |              |  |
| Master 183 |    |          |          |            |            |            |              |              |              |            |            |            |              |              |              | 5 BOTTOM T |            |            |              |              |  |
|            |    |          |          |            |            |            |              |              |              |            |            |            |              |              |              |            | 6 BOTTOM T |            |              |              |  |
|            |    |          |          |            |            |            |              |              |              |            |            |            |              |              |              |            |            | 7 BOTTOM T |              |              |  |
|            |    |          |          |            |            |            |              |              |              |            |            |            |              |              |              |            |            |            | 5 BOTTOM NSH |              |  |
|            |    |          |          |            |            |            |              |              |              |            |            |            |              |              |              |            |            |            |              | 6 BOTTOM NSH |  |

# CHOOSE YOUR PLOW LEG PROTECTION

With the Master Series you can customize your plow leg protection to best suit your working conditions. Traction-bolt security is an economical choice and is best suited for sandy or loam soils free of large rocks. Non-stop hydraulic reset is the trouble-free choice for rocky or hard soils and provides ultimate protection with continuous plowing.



## TRACTION BOLT – AVOIDS THE PROBLEMS OF SHEAR BOLTS

A clean break of the traction bolt, following a force of 5,280 – 8,820 pounds at the plow point, avoids the risk of nuisance shearing.

- The bolt **(A)** runs with the line of force and is pulled apart – unlike shear bolts which are cut
- The bolt support never deforms or becomes rounded
- Once the bolt breaks, it simply falls away for quick and easy replacement
- After years of use the plow bodies remain perfectly inline



## NON-STOP HYDRAULIC (NSH) RESET

When a field obstacle is met, a rapid breakaway of the plow leg occurs. Once the obstacle is passed there is an increase in pressure, bringing the body quickly and firmly back into working position. The system also acts as a shock absorber in rocky ground, increasing plow life.

### BENEFITS:

- 55 pounds lighter per bottom than a mechanical auto reset system
- Share points lift up 24" or moves 8" to either side
- More reliability and less wear with hydraulic technology
- Quick share point adjustments from 1,320 – 2,860 pounds

### NSH Options

VariBar system: allows for instant control of the trip release pressure from the tractor cab (with or without Maxibar).

MaxiBar system: allows the top tripping pressure to be increased from 2,860 – 5,500 pounds, while maintaining the flexibility of the system. Recommended for very hard soils such as dried clay.

## HEAVY-DUTY PLOW LEG ARTICULATION AND TIE ROD

All force is transmitted in a straight line through a one-piece forged and heat treated tie.



# CHOOSE YOUR LEVEL OF ADJUSTABILITY

Choose either bolted simplicity or instant hydraulic control of cutting width. With Kuhn you have a choice of either the Multi-Master or Vari-Master system to meet your specific needs.



# CUSTOMIZE YOUR TRASH BURIAL



## TRASHBOARD

For trash burial in difficult conditions where the quantity of trash may otherwise block up the skimmers.



## HELICOIDAL ZH SKIMMER

Helicoidal skimmer for deep trash burial. Well adapted to grasslands and fields with cover crops.



## ZRL HIGH-CAPACITY SKIMMER

High-capacity skimmer for trash incorporation throughout the soil profile. Excellent straw and corn trash burial.



## MULTI-MASTER

Adjustments can easily be made to the working width, in both the traction-bolt and non-stop hydraulic machines, by pivoting the plow leg support on the beam and placing the bolt in the corresponding width setting hole.

Multi-Master 103: 14" and 16"  
Multi-Master 123 and 153: 14", 16" and 18"  
Multi-Master 183: 14", 16", 18" and 20"



## PRESS ARMS WITH HYDRAULIC RELEASE

The press arms allow for the use of a furrow press with easy hookup and hydraulic push-off. On the pickup hook part of the arm, where there is the most risk of damage, all grease zerks and hydraulic hoses are protected inside the structure of the head. The arm folds up conveniently for transport.



## DISC COULTERS

Discs have a diameter of 20", plain or notched, with the added choice on the traction bolt models of a 22" disc. The disc serves to cut the furrow wall in front of the plow body giving a cleaner finish, and improving trash sizing and incorporation.



## VARI-MASTER

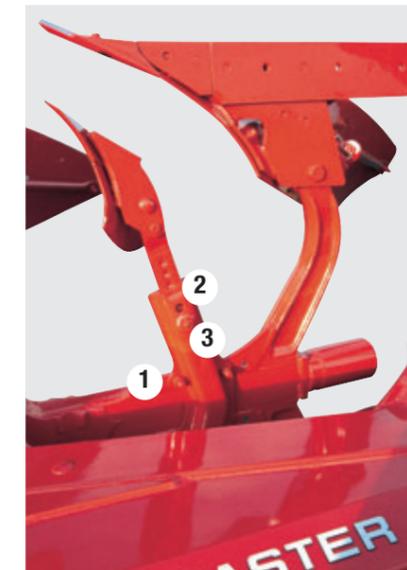
The working width is changed hydraulically from the tractor cab. The correction of the front furrow and plow aligning settings are carried out automatically as the width changes. For plow turnover the plow bodies fold up automatically to their narrowest width for the maximum possible ground clearance. After turnover, the plow returns to the normal working width.

Vari-Master 123: 12"-18" in 35" point-to-point  
Vari-Master 153: 12"-20" in 40" point-to-point  
Vari-Master 183: 12"-19" in 38" point-to-point

## VARIABLE WIDTH ADVANTAGES

- Instant adaptation to available traction
- Saves time and reduces fuel consumption
- Maintain working speed on steep slopes
- Able to bury different trash levels
- Neater field finish
- Avoids obstacles and cleans up difficult, unplowed areas

## INDEPENDENT, EASY TO ADJUST SKIMMERS



Each skimmer is totally independent left from right and is firmly held in a sheath-like support. The skimmers are shear bolt protected and are adjustable in three directions:

- 1 Forwards and backwards – with a choice of three positions, the sheath bolts to the leg support via countersunk holes to avoid any risk of free play.
- 2 Up and down – rapid and precise height adjustment (7 1/2" of adjustment) also with countersunk holes in the skimmer leg for easy locking of the leg at the desired height.
- 3 Side to side – for correct adjustment in relation to the disc coulter (where fitted).



MASTER 103

## HIGH STRENGTH HEADSTOCK AND FRAME

The Master 103 plows are built to be robust, reliable and economic machines. Only available in the Multi-Master version, these plows have a large trash burial capacity with the ability to adjust the traction-bolt models from 28" to 29 1/2" of underbeam clearance. This range features independently mounted skimmers for quick and easy adjustment. The 103 plows have a depth control wheel in line with the frame and a transport wheel option fitted with suspension.



### MONOBLOC HEADSTOCK

Simple adjustment of leveling by stops. Easy storage with built-in toolbox in headstock for models 3E/4NSH.

Turnover shaft diameter (hardened alloy):

- 2 3/4" on 2E/3T
- 3 7/16" on 2E/3NSH and 3E/4T
- 3 1/2" on 3E/4NSH



### HIGH-STRENGTH FRAME

Simplified adaptation to tractor wheel settings. Mechanical adjustment of plow angling (front furrow width).

Frame section:

- 4" for 2E/3T & NSH - 3E/4T
- 4 1/2" for 3E/4NSH
- 4" for extension



MASTER 123

## DESIGNED FOR MID-SIZE HORSEPOWER TRACTORS

The Master 123 plows have been designed to meet your requirements for a versatile machine which is both easy to use and strong enough to meet the demands of today's mid-size farm. This plow range is available from 3–5 bottoms in both Multi-Master and Vari-Master versions and in either traction-bolt or non-stop hydraulic. It's technical characteristics and different equipment options make these plows adaptable to all situations.



### EASY ADAPTATION FOR ALL TRACTOR INTER-TIRE DISTANCES

Depending on tractor type, the plow is preset for three ranges of tire spacing: 45"–53", 51"–59" and 57"+. This adjustment is required only once for your tractor and ensures optimum use of the available engine power.



MASTER 153

## DESIGNED FOR INTENSIVE USE

The Master 153 plows have been designed to meet the same demands as the 123 range but for more intensive use, more difficult field conditions and higher horsepower tractors. The 153 plows are available from 3–5 bottoms in Multi-Master and Vari-Master in either traction-bolt or non-stop hydraulic. The strength, simplicity and different options available make this plow fully adaptable to your needs.



# HIGH-QUALITY FEATURES FOR A LONG LIFE



**EXCLUSIVE TO KUHN**

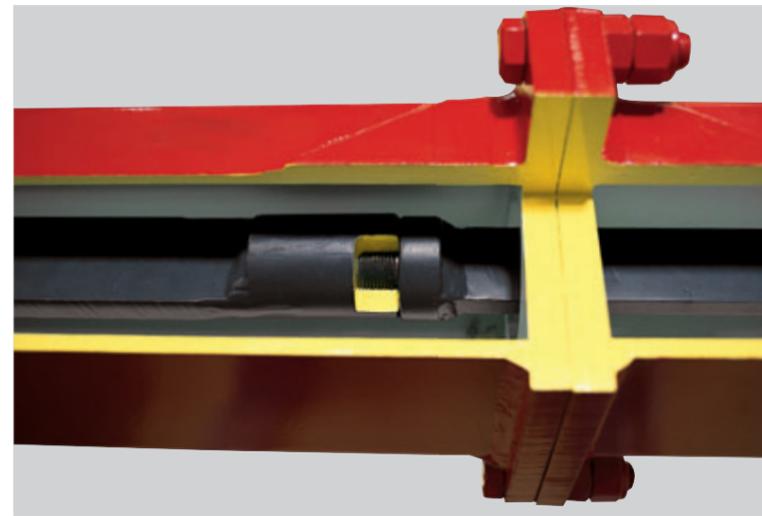
**ONLY ONE ADJUSTMENT NECESSARY WITH COMBINED FRONT FURROW WIDTH/ANGLING**

The front furrow width is adjusted to its optimum setting according to the tractor linkages and ground conditions.

Because of the parallelogram of the two linkages, any adjustment in front furrow width automatically adjusts the angling of the plow, allowing the tractor to always pull in perfect line.

Adjustments are quickly carried out by simply adjusting the turnbuckle or by activating the hydraulic cylinder (optional).

One adjustment is sufficient unlike conventional systems where the front furrow width and the plow alignment are separated. With the conventional system as one adjustment interacts with the other, several successive adjustments are necessary.



**EXCLUSIVE TO KUHN**

**FORGED AND HEAT TREATED ONE PIECE MAIN LINK**

Designed for strength and long life, the main link is assembled with either bronze or steel bushings, depending on the model of plow.

Main link on Master 123: 10"  
Main link on Master 153: 13"

- The entire variable width linkage system is enclosed in the plow structure, giving maximum protection from water, dust and possible shocks.
- All moving pivot points are chromed, prevented from rotating and assembled with wearing bushings to reduce risk of jamming and provide low maintenance.



**EXCLUSIVE TO KUHN**

**MAIN BEAM**

The main beam is supported by a side-mounted, triangular reinforcement welded along the length of the front section. This strengthens the beam in this high-stress area and gives substantial advantages when compared to a conventional plow design.

Master 123: 4 3/4"  
Master 153: 6"



**ROBUST MONOBLOC HEADSTOCK**

The headstock is mounted onto heavy-duty conical bearings. Computerized machining tools ensure a precise manufacturing process resulting in improved quality and reliability.

- 1 A swifthitch cross-shaft fits quickly and easily into the adjustable pickup cups (not adjustable on the MM 123 3E/4T).
- 2 A single- or double-acting turnover cylinder features a very low hydraulic pressure demand for effortless turnover. Following turnover, a hydraulic locking valve locks the plow into its work position.
- 3 A weatherproof toolbox is incorporated into the headstock, containing spanners and replacement bolts.



# A HEAVY DUTY MOUNTED PLOW WITH MULTIPLE WORKING WIDTHS

The Multi-Master 183 meets the challenges faced by large crop farmers and is available in 5–7 bottoms. The OptiDrive suspension headstock provides strength and long life. Choose from either the traction bolt system or the non-stop hydraulic auto-reset for complete plow leg protection. The Multi-Master 183 can be easily adapted to fit your soil types and trash burial needs. The high working rates, quick transition into work/transport positions, easy adjustments, and wide working widths up to 12' in one pass get the job done quickly and efficiently.



**EXCLUSIVE**

**EXCLUSIVE**

**MAIN BEAM**

The 7" main beam is strengthened by a triangular reinforcement welded along the length of the front section, a substantial advantage compared to conventional plow design.

**AVOID WEAR AND TEAR WITH OPTIDRIVE HEADSTOCK**

Both the tractor and plow are protected from wear as the vertical travel range absorbs shocks during maneuvers. The suspension adapts to the weight of the different plows by changing the pressure on the Optidrive hydraulic system.

- While plowing, the Optidrive system is automatically locked to monitor the tractor's efforts
- The suspension is active in headlines, protecting both the tractor and the plow

Switching from working to transport is easy and does not require adjustment or unhitching of the top link, thanks to the moveable double frame.

**AVOID DAMAGE TO HYDRAULIC HOSES**

The turnover shaft is assembled to allow the passage of hydraulic hoses through the center of the headstock, preventing twisting during turnover and possible damage.

**FORGED AND HEAT TREATED ONE PIECE MAIN LINK**

Designed for strength and long life, the main link is assembled with steel bushings and the pins locked to prevent rotation.



**REDUCE SOIL COMPACTION**

The on-land range is designed for tractors fitted with wide wheels, tracks and dual wheels. The large dimensioned parallelogram system enables this plow range to adapt to tractors with an overall width of up to 10 1/2", while at the same time maintaining the possibility to plow in-furrow. Furrow compaction can be avoided by plowing on-land, a concern when using the large tractors needed for this range.



#### EXCLUSIVE TO KUHN

#### AVOID WEAR AND TEAR WITH OPTIDRIVE HEADSTOCK

Both the tractor and plow are protected from wear as the vertical travel range absorbs shocks during maneuvers. The suspension adapts to the weight of the different plows by changing the pressure on the Optidrive hydraulic system.

- While plowing, the Optidrive system is automatically locked to monitor the tractor's efforts
- The suspension is active in headlines, protecting both the tractor and the plow

Switching from working to transport is easy and does not require adjustment or unhitching of the top link, thanks to the moveable double frame.

#### ONLY ONE ADJUSTMENT NECESSARY WITH COMBINED FRONT FURROW WIDTH/ANGLING

The front furrow width is adjusted to its optimum setting according to the tractor linkages and ground conditions.

Because of the parallelogram of the two linkages, any adjustment in front furrow width automatically adjusts the angling of the plow, allowing the tractor to always pull in perfect line.

Adjustments are quickly carried out by simply adjusting the turnbuckle or by activating the hydraulic cylinder (optional).

One adjustment is sufficient unlike conventional systems where the front furrow width and the plow alignment are separated. With the conventional system as one adjustment interacts with the other, several successive adjustments are necessary.

#### VARI-MASTER 183

## VARIABLE WIDTH AND NON-STOP HYDRAULIC AUTO-RESET

The Vari-Master 183 meets the demands of today's large crop farms. The Optidrive suspension headstock increases plow life and reduces the wear experienced after many hours in the field.

Never stop plowing with the non-stop hydraulic auto-reset system which provides complete and continuous protection of the plow leg. The Vari-Master 183 is highly adaptable to specific field conditions. The quick set-up into work/transport positions, easy adjustments and variable working widths create high work rates.



#### ADVANTAGES OF A VARIABLE WIDTH PLOW

- Instant adaptation to available traction
- Time savings and reduced fuel consumption
- Maintain working speed on steep slopes
- Ability to cope with different levels of trash
- Clean field finish
- Avoid obstacles and tidy up difficult unplowed areas

- The entire variable-width linkage system is enclosed in the plow structure giving maximum protection from water, dust and possible shocks
- All moving pivot points are chromed, prevented from rotating and assembled with wearing bushing to limit risk of jamming and provide low maintenance

Customized to Fit Your Operation

## OPTIONAL EQUIPMENT



### HYDRAULIC OFFSETTING AND ANGLING

Allows adjustment of the front furrow width from the tractor seat.

Available on Master 123 and 153



### BEAM FOLDING CYLINDER

Hydraulic beam folding cylinder recommended for 4 and 5 bottom models. The link is fitted as standard for changes in working width.

Available on Multi-Master 123 and 153



### DEPTH WHEEL WITH SHOCK ABSORBER

The shock absorber removes the shock of the wheel falling during turnover and also ensures the wheel is in the correct rearward inclined position as the plow is lowered back into work.

Available on Master 153 (5 body) and Master 183



### STANDARD RUBBER DEPTH WHEEL

The depth wheel follows any change of plowing width. It features simple bolt adjustments, with the ability to set left and right sides independently. It can be placed in many positions on the frame to ensure optimum positioning for all conditions.

Master 103 and 123: 24" wheel  
Master 153 and 183: 27" wheel

NSH Options:

VariBar system: allows for instant control of the trip release pressure from the tractor cab (with or without Maxibar).

MaxiBar system: allows the top tripping pressure to be increased from 2,860 – 5,500 pounds, while maintaining the flexibility of the system. Recommended for very hard soils such as dried clay.



### TRANSPORT WHEEL WITH SUSPENSION

The plow can be transported on the road in complete safety thanks to a transport wheel, equipped with its own suspension system to protect the plow and tractor from transport shocks. The wheel can be swung into the transport position in a single movement by pulling the locking pin.

Master 123 and 153: 22" wheel  
Master 183: 26" wheel



## Model Specifications

|                                      | MASTER<br>103 2E              | MASTER<br>103 3 (2E+1) | MASTER<br>103 3E | MASTER<br>103 4 (3E+1)               | MULTI-MASTER<br>123 3E | MULTI-MASTER<br>123 4 (3E+1) | MULTI-MASTER<br>123 4E           | MULTI-MASTER<br>123 5 (4E+1) | VARI-MASTER<br>123 3E | VARI-MASTER<br>123 4E                | VARI-MASTER<br>123 5 (4E+1) | MULTI-MASTER<br>153 3E | MULTI-MASTER<br>153 4E           |  |
|--------------------------------------|-------------------------------|------------------------|------------------|--------------------------------------|------------------------|------------------------------|----------------------------------|------------------------------|-----------------------|--------------------------------------|-----------------------------|------------------------|----------------------------------|--|
| <b>DIMENSIONS</b>                    |                               |                        |                  |                                      |                        |                              |                                  |                              |                       |                                      |                             |                        |                                  |  |
| Number of Bottoms Per Side           | 2                             | 3                      |                  | 4                                    | 3                      | 4                            |                                  | 5                            | 3                     | 4                                    | 5                           | 3                      | 4                                |  |
| Extendable by One Bottom             | Yes                           | No                     | Yes              | No                                   | Yes                    | No                           | Yes                              | No                           | Yes                   |                                      | No                          | Yes                    |                                  |  |
| H4 Long Helicoidal Moldboards        | Standard                      |                        |                  | Standard                             |                        |                              | Standard                         |                              |                       | Standard                             |                             |                        | Standard                         |  |
| Working Width                        | 14" or 16" (Delivered at 16") |                        |                  | 14" or 16" or 18" (Delivered at 16") |                        |                              | 12 to 18                         |                              |                       | 14" or 16" or 18" (Delivered at 16") |                             |                        | Standard                         |  |
| Hydraulic Rollover with One Cylinder | Standard                      |                        |                  | Standard                             |                        |                              | Standard                         |                              |                       | Standard                             |                             |                        | Standard                         |  |
| Maximum Tractor PTO                  | 57 hp                         | 86 hp                  |                  | 114 hp                               | 105 hp                 | 140 hp                       |                                  | 175 hp                       | 105 hp                | 140 hp                               | 175 hp                      | 135 hp                 | 180 hp                           |  |
| Clearance                            |                               |                        |                  |                                      |                        |                              |                                  |                              |                       |                                      |                             |                        |                                  |  |
| - Point-to-Point                     | 35"                           |                        |                  | 35"                                  |                        |                              | 35"                              |                              |                       | 40"                                  |                             |                        | 40"                              |  |
| - Underbeam                          | 27 1/2"                       |                        |                  | 29 1/2"                              |                        |                              | 29 1/2"                          |                              |                       | 31 1/2"                              |                             |                        | 31 1/2"                          |  |
| Adjustable Depth Wheel with Tire     | Standard                      |                        |                  | Standard                             |                        |                              | Standard                         |                              |                       | Standard                             |                             |                        | Standard                         |  |
| Offset and Angling Adjustment        | Mechanical                    |                        |                  | Turnbuckle or Hydraulic Cylinder     |                        |                              | Turnbuckle or Hydraulic Cylinder |                              |                       | Turnbuckle or Hydraulic Cylinder     |                             |                        | Turnbuckle or Hydraulic Cylinder |  |
| Swift-Hitch System                   | Cat. II                       |                        |                  | N/A                                  |                        |                              | Cat. II                          |                              |                       | Cat. II                              |                             |                        | Cat. II                          |  |
| Machine Net Weight                   |                               |                        |                  |                                      |                        |                              |                                  |                              |                       |                                      |                             |                        |                                  |  |
| - T                                  | 1,168 lbs.                    | 1,631 lbs.             | 1,664 lbs.       | 2,127 lbs.                           | 2,072 lbs.             | 2,557 lbs.                   | 2,800 lbs.                       | 3,285 lbs.                   | -                     | -                                    | -                           | 2,491 lbs.             | 3,218 lbs.                       |  |
| - NSH                                | 1,488 lbs.                    | 1,973 lbs.             | 2,127 lbs.       | 2,623 lbs.                           | 2,568 lbs.             | 3,130 lbs.                   | 3,362 lbs.                       | 3,935 lbs.                   | 2,755 lbs.            | 3,306 lbs.                           | 4,144 lbs.                  | 2,789 lbs.             | 3,604 lbs.                       |  |

|                                      | MULTI-MASTER<br>153 5 (4E+1)         | VARI-MASTER<br>153 3E              | VARI-MASTER<br>153 4E | VARI-MASTER<br>153 5 (4E+1) | MULTI-MASTER<br>183 5E                  | MULTI-MASTER<br>183 6 (5E+1) | MULTI-MASTER<br>183 7 (5E+1+1) | MULTI-MASTER<br>183 OL 5E               | MULTI-MASTER<br>183 OL 6 (6E+1)    | MULTI-MASTER<br>183 OL 7 (5E+1+1) | VARI-MASTER<br>183 5E                                     | VARI-MASTER<br>183 6E (5E+1) | VARI-MASTER<br>183 7E (5E+1+1) |
|--------------------------------------|--------------------------------------|------------------------------------|-----------------------|-----------------------------|---|------------------------------|--------------------------------|---|------------------------------------|-----------------------------------|---|------------------------------|--------------------------------|
| <b>DIMENSIONS</b>                    |                                      |                                    |                       |                             |   |                              |                                |   |                                    |                                   |   |                              |                                |
| Number of Bottoms Per Side           | 5                                    | 3                                  | 4                     | 5                           | 5                                       | 6                            | 7                              | 5                                       | 6                                  | 7                                 | 5   | 6                            | 7                              |
| Extendable by One Bottom             | No                                   | Yes                                |                       | No                          | Yes                                     |                              | No                             | Yes                                     | Yes on T model,<br>No on NSH model |                                   | No  | Yes                          |                                |
| H4 Long Helicoidal Moldboards        | Standard                             | Standard                           |                       |                             | Standard                                |                              |                                | Standard                                |                                    |                                   | Standard  |                              |                                |
| Working Width                        | 14" or 16" or 18" (Delivered at 16") | 12"-20" (Hydraulically Adjustable) |                       |                             | 14", 16", 18" or 20" (Delivered at 18") |                              |                                | 14", 16", 18" or 20" (Delivered at 18") |                                    |                                   | 12" to 19" Hydraulically Adjustable                       |                              |                                |
| Hydraulic Rollover with One Cylinder | Standard                             | Standard                           |                       |                             | Standard                                |                              |                                | Standard                                |                                    |                                   | Standard  |                              |                                |
| Maximum Tractor PTO                  | 225 hp                               | 135 hp                             | 180 hp                | 225 hp                      | 275 hp                                  | 330 hp                       | 385 hp                         | 275 hp                                  | 330 hp                             | 385 hp                            | 270 hp  | 330 hp                       | 385 hp                         |
| Clearance                            |                                      |                                    |                       |                             |   |                              |                                |   |                                    |                                   |   |                              |                                |
| - Point-to-Point                     | 40"                                  | 40"                                |                       |                             | 38"                                     |                              |                                | 35"                                     |                                    |                                   | 38"   |                              |                                |
| - Underbeam                          | 31 1/2"                              | 31 1/2"                            |                       |                             | 31 1/2"                                 |                              |                                | 31 1/2"                                 |                                    |                                   | 31 1/2"   |                              |                                |
| Adjustable Depth Wheel with Tire     | Standard                             | Standard                           |                       |                             | Standard                                |                              |                                | Standard                                |                                    |                                   | Standard  |                              |                                |
| Offset and Angling Adjustment        | Turnbuckle or Hydraulic Cylinder     | Turnbuckle or Hydraulic Cylinder   |                       |                             | Standard                                |                              |                                | Hydraulic Offset and Angling Adjustment |                                    |                                   | Standard Combined Hydraulic Offset and Angling Adjustment |                              |                                |
| Swift-Hitch System                   | Cat. II                              | Cat. II                            |                       |                             | Cat. III                                |                              |                                | Cat. III                                |                                    |                                   | Cat. III  |                              |                                |
| Machine Net Weight                   |                                      |                                    |                       |                             |   |                              |                                |   |                                    |                                   |   |                              |                                |
| - T                                  | 3,770 lbs.                           | -                                  | -                     | -                           | 4,570 lbs.                              | 5,161 lbs.                   | 5,752 lbs.                     | 5,011 lbs.                              | 5,602 lbs.                         | 6,193 lbs.                        | -   | -                            | -                              |
| - NSH                                | 4,244 lbs.                           | 2,623 lbs.                         | 3,395 lbs.            | 4,001 lbs.                  | 4,916 lbs.                              | 5,533 lbs.                   | -                              | 5,357 lbs.                              | 5,974 lbs.                         | -                                 | 5,037 lbs.  | 5,644 lbs.                   | 6,261 lbs.                     |



## READY, SET... PLOW! (KEY STEPS TO OPTIMIZE PLOWING)

1. Measure tire pressure and distance between rear tractor tires.
2. Adjust each according to outlined recommendations.
3. Adjust 3-point lower links to be in the rearmost position (and not allowed to float vertically).
4. Measure and adjust 3-point lower links so that both are the same length.
5. Set 3-point top link according to conditions: oblong hole for normal/hilly conditions, or round hole for difficult conditions.
6. Preset skimmers to the desired working depth.
7. Set depth control wheel for plowing depth desired.
8. Set side-to-side leveling turn knob so that sidewall forms a 90° angle. Set opposite side turn knob for the same thread length.
9. Adjust top link turnbuckle length so plow body is horizontal when in work.
10. Set first body width to make share slightly overlap the uncut ground.

# COMPLEMENTARY PRODUCTS

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Corporate Headquarters  
 1501 West Seventh Avenue - Brodhead, WI 53520  
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Our machines comply with the North American safety regulations. In our leaflets, to better illustrate certain details of the machines some safety devices could have been removed. Conforming to the assembly and operator's manual, in no circumstances must machine be operated without these safety devices in place. All machines are equipped with safety devices which comply with the regulations of the countries in which they are delivered. In the interest of progress, we reserve the right to change without notice any specifications, design or materials listed. Patents filed in several countries.

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