



HIGHER YIELDS BEGIN WITH GOOD SOIL MANAGEMENT


Preparing an ideal planting environment requires proper soil management. That's why you should **make the most of every acre's potential with Case IH primary tillage systems.**

Why demand the Case IH brand? We are the leader in soil management equipment research, technology and design. And our name is one you know and trust. When you purchase a Case IH primary tillage tool, you can be assured that you're making a **solid, sensible investment** that will result in **greater productivity** and **higher yield potential.**

You can also be assured of many years of **dependable performance.** Case IH primary tillage tools are expertly engineered for maximum strength and durability.

Within the Case IH tillage lineup, you have many different models and options from which to choose. Select the one that meets your specific soil management requirements, farming practices and tractor horsepower. Then choose from a variety of attachments to prepare your fields for fertilizer application, Spring tillage and planting.

- The **MRX690 Mulch-till Ripper** performs three steps in one productive pass – crop residue management, compaction control and Fall seed bed preparation – to maximize productivity.
- The **6700 Coulter Chisel Plow** and **6750 Parabolic Chisel Plow** give you economical choices for residue and compaction management and field leveling.
- **PTX Series chisel plows** achieve excellent soil penetration and maintain uniform depth.



An economical choice for primary tillage, the Case IH 6750 Parabolic Chisel Plow breaks up deep compaction and manages moderate-to-heavy residue.

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COVER PHOTO: The Case IH MRX690 Mulch-till Ripper uses a disk-ripper-disk configuration to create a healthy soil profile in a single pass.

THE RIGHT CHOICE FOR YIELD-BOOSTING RESULTS

The success of your farming operation relies, in good part, on the tools that you use. And no other field operation is more important than primary tillage for growing a better root system. Get ahead in soil management by teaming the right primary tillage tool with your Case IH tractor. Read through this brochure to study our full array of primary tillage tools. Then contact your Case IH dealer to determine which one is best for you.

Built for tough tillage, the Case IH PTX300 Chisel Plow rejuvenates compacted soil and handles heavy residue with ease.



A TRUE ONE-PASS SOIL MANAGEMENT SYSTEM

If soil management and high productivity are critical to your farming operation, the **Case IH MRX690** is made for you! Available in 5-shank and 7-shank widths, the MRX690 provides residue management, improved soil tilth and seed bed conditioning... in a single pass. The MRX690 accomplishes this by sizing residue, removing compaction and leaving the surface uniformly mulched, leveled and ready for Spring cultivation.

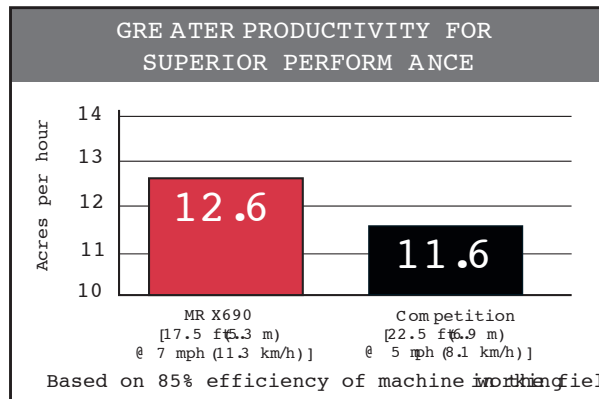
The **patented design** of the MRX690 – the combination of **shallow-concavity front disk blades**, proven **Case IH deep parabolic shanks** with patented **tiger® points** and **standard-concavity rear disk blades** – provides superior performance without the speed sensitivity of other machines.

As the chart on the facing page shows, when compared to a competitor's 22.5 ft. (6.9 m) machine at their recommended operating speed of 5 mph (8.1 km/h), the 17.5 ft. (5.3 m) MRX690 at 7 mph (11.3 km/h) covers more acres per hour than the larger machine. That means **greater productivity and performance** and a **greater return on investment!**

The massive 6 x 8 in. (152 x 203 mm) mainframe is a clean and simple design capable of handling the toughest soil and residue conditions, and the extra strength provides years of durable operation.

MRX690 MULCH-TILL RIPPER

To further improve the productivity of the MRX690, we have included features that will help you get the job done faster and safer. With the **independently adjustable front and rear disk gang depth control**, the operator has the ability to adjust the working depth of the disks separately from the shanks. This feature allows you to fine-tune the machine without spending additional hours bolting and unbolting shank assemblies. All disk gangs are attached to the frame with field-proven **Cushion Gang® components** to allow the disk blades to move up and over rocks and obstructions. To ensure easy depth control without relying on hydraulics, **positive mechanical depth stop control** is used to set the operating depth of the walking-beam axle with notches to indicate depth.



For long life and all-condition reliability, **spring steel scrapers** accompany the disk gangs. These scrapers continuously clean the disk blades during operation in wet, sticky soil. And, their slim design allows excellent flow of residue between the blades.

For safe transporting to and from your fields, this equipment meets or exceeds the **American Society of Agricultural Engineers (ASAE) standard for lighting**. The lights are positioned high above the mainframe for optimum visibility and they include attention-getting safety reflectors. A **Slow Moving Vehicle sign** and a **safety chain** are incorporated into the design, as well as **side reflectors** – which are especially helpful during poor-visibility weather conditions. Easy-to-use, **depth-collar-style transportation locks** and a **transportation lock storage mount** are also included as standard equipment. Furthermore, the larger, 7-shank MRX690 model has optional **folding wings** to decrease the transport width.

For additional operator safety and convenience, the MRX690 has a **swivel hose stand**. This stand allows the operator to swing the hydraulic hoses out of the way of the hitch while hooking up the implement. It also holds the hoses above the hitch area to prevent pinching during operation.



Walking-beam axles on the MRX690 enable it to float over wet or soft soil and provide a level ride over the roughest field conditions. The special non-centered pivot bearing in the walking beam carries less weight on the front tandem to carry through soft spots.



Fine-tune the MRX690 for your speed requirements and farming practice. The depth of front and rear gangs can be adjusted independently by turning mechanical ratchet-styled turnbuckle (shown). Hydraulic adjustment is also available.



Level the MRX690 fore and aft with a twist of the turnbuckle, matching the hitch to the tractor's drawbar. No special wrench is required. This constant level hitch holds the frame level for an even and consistent depth throughout the entire working range of the implement.

MRX690

The hitch height is matched to the tractor's drawbar with a simple twist of a turnbuckle. This ensures a consistent depth throughout the entire working range of the implement.

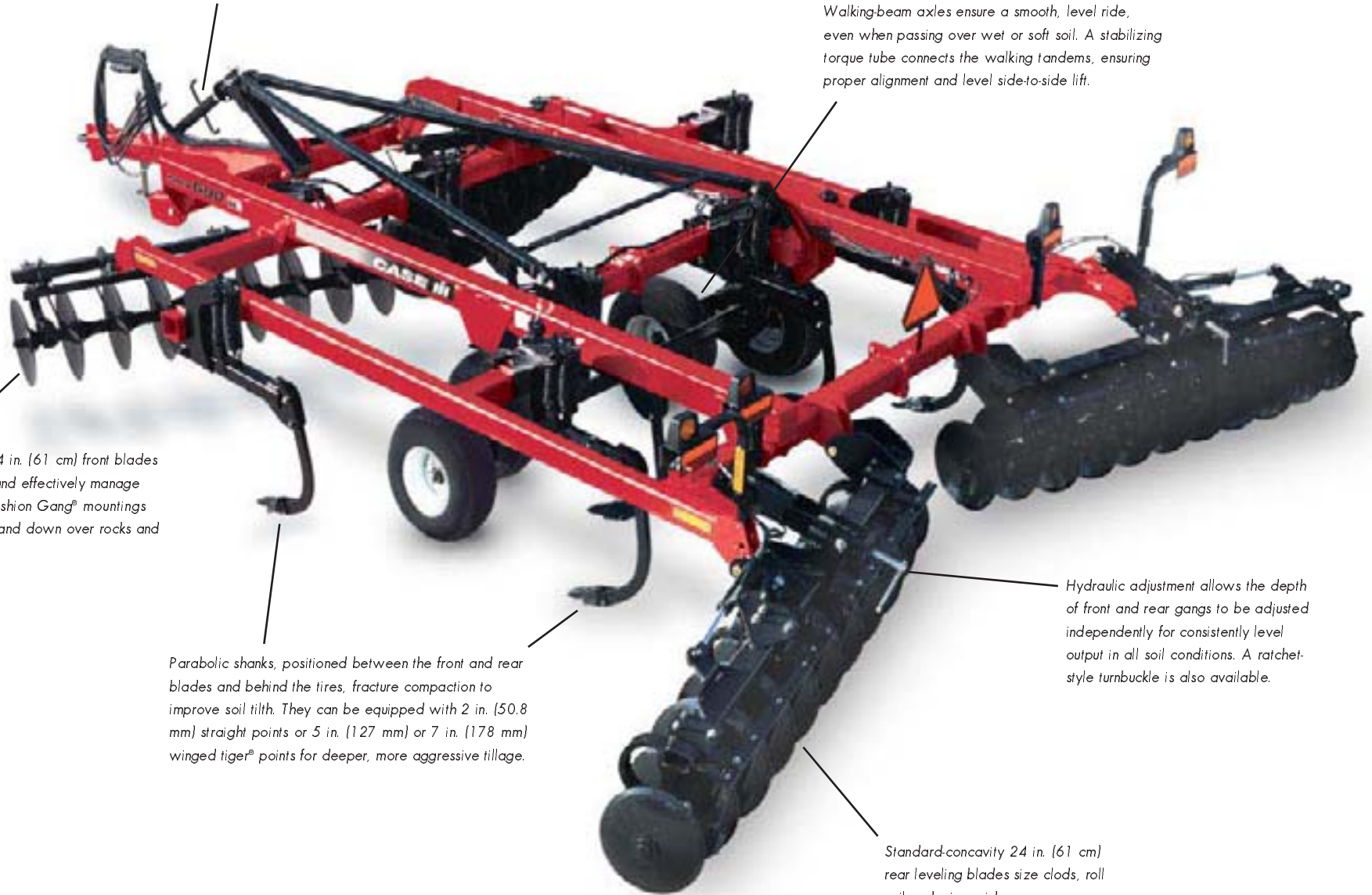
Walking-beam axles ensure a smooth, level ride, even when passing over wet or soft soil. A stabilizing torque tube connects the walking tandems, ensuring proper alignment and level side-to-side lift.

Shallow-concavity 24 in. (61 cm) front blades penetrate hard soil and effectively manage residue. Unitized Cushion Gang® mountings allow movement up and down over rocks and other obstructions.

Parabolic shanks, positioned between the front and rear blades and behind the tires, fracture compaction to improve soil tilth. They can be equipped with 2 in. (50.8 mm) straight points or 5 in. (127 mm) or 7 in. (178 mm) winged tiger® points for deeper, more aggressive tillage.

Hydraulic adjustment allows the depth of front and rear gangs to be adjusted independently for consistently level output in all soil conditions. A ratchet-style turnbuckle is also available.

Standard-concavity 24 in. (61 cm) rear leveling blades size clods, roll soil and mix residue.



IT'S AS EASY AS 1, 2, 3...

1. CROP RESIDUE MANAGEMENT

The MRX690 begins managing crop residue with the **industry's shallowest-concavity disk blades** in the front of the machine. This design offers superior soil penetration and excellent residue cutting and flow without throwing soil beyond the machine. The **12 in. (31 cm) spacing** and beefy slim-center **6 in. (152 mm) diameter cast spools** allow for consistent output in the heaviest residue and soil conditions. The result is outstanding crop residue management for increased organic matter content in your soil and decreased erosion through improved soil porosity and drainage.

2. SOIL TILTH

Create an ideal soil composition of 50% mineral and 50% pore space (water and air) with the MRX690. To develop greater soil tilth, the MRX690 uses the proven Case IH **parabolic shanks** with patented winged **tiger® points**. Together, they shatter compaction to create a mellow, healthier soil. Case IH **tiger® points** are the only tillage points in the industry that not only fracture the compaction, but relocate the soil aggregates through a unique **lifting, twisting and rolling action**. The MRX690 is available with either **spring-reset shank mounts** or optional **shear-bolt mounts**.

3. SEED BED CONDITIONS/FIELD FINISH

To finish the surface into ideal Fall seed bed conditions with the right amount of residue coverage, the **standard-concavity rear leveling blades** on the MRX690 aggressively size clods, roll soil and mix residue. The outer **feathering blades** smooth the field between passes. The result is a smooth surface with evenly distributed residue – perfect for Spring cultivation and planting.

The level, evenly mulched Fall seed bed created by the MRX690 provides the potential for quick germination, uniform plant stands and higher yields. Ask your Case IH dealer for more information about this one-pass soil management system.

Roll

The back of the wings, together with the shank, finish the job by rolling the soil to incorporate fertilizer and residue.

The Case IH winged tiger® point



Twist

The front area of the wings starts the twisting action, which relocates soil layers – preventing immediate recompaction.

Lift

The tip starts the fracturing by lifting the compacted soil.



1. In the front, 24 in. (61 cm) shallow-concavity disk blades on a Unitized Cushion Gang® disk gang penetrate hard soil, manage residue and move up and down over rocks or other obstructions.



2. In the middle, deep tillage parabolic shanks with 2 in. (50.8 mm) straight points or 5 in. (127 mm) or 7 in. (178 mm) winged tiger® points fracture compaction and improve soil tilth.



3. In the rear, 24 in. (61 cm) standard-concavity leveling blades mix residue, size clods, and minimize variations in soil levelness for an even field finish.

A COMBINATION OF CONTROL IN ONE TILLAGE TRIP

Combination soil management tools allow you to save time and money by managing residue and breaking up compaction in one pass. Case IH offers two cost-effective choices to meet today's conservation tillage requirements – the 6700 Coulter Chisel Plow and 6750 Parabolic Chisel Plow.

Deciding which chisel plow to choose depends on your field conditions and cropping practice. The 6700 is ideal for light-to-moderate residue and compaction with very little residue/soil mixing. In comparison, the 6750 is designed to handle moderate-to-heavy residue and tougher compaction and can be equipped to retain surface residue or incorporate residue into the soil.

Two ranks of **edge-bent chisel shanks** are used on the 6700, while a rank of edge-bent shanks combined with a rear rank of **deep-tillage parabolic shanks** are used on the 6750. Choose **spring-reset mounts** for rocky fields or **shear-bolt mounts** for areas where rocks are not a concern.

Each chisel plow model can be properly equipped to suit your residue management requirements: select **individual or gang coulters** or **a disk attachment** (6750 only). An optional **hydraulic disk level'r™** may also be added to further refine residue management and level your fields.

The 6700 and 6750 are also well built for durability. They feature beefy **4 x 8 in. (102 x 203 mm) tubing on the pull frame** and sturdy **4 x 6 in. (102 x 152 mm) tubing on the mainframe**.

Both chisel plows are available in **7-, 9-, 11- and 13-shank models**. With two 3 x 8 in. (76 x 203 mm) hydraulic cylinders on 7- and 9-shank models and two 3.5 x 8 in. (89 x 203 mm) cylinders on 11- and 13-shank models, these chisel plows offer reliable hydraulic response with **positive depth stop control**.

Improve your yield potential by carefully managing your soil environment and residue levels with a 6700 Coulter Chisel Plow or 6750 Parabolic Chisel Plow. Your Case IH dealer can help you determine which model is best for your fields.



The 6700 Coulter Chisel Plow offers an economical choice for breaking up shallow compaction and managing light-to-moderate residue. Shown here is a 9-shank unit with spring-reset mount chisel shanks and 20 in. (51 cm) gang coulters.

Behind an MX Series MAGNUM™ tractor, the 6750 Parabolic Chisel Plow delivers superior performance. Disks or coulters handle crop residue, chisel shanks and rugged parabolic shanks shatter compaction down to 16 in. (41 cm). An optional hydraulic disk level'r™ leaves a smooth finish.

6700/6750 MULCH-TILL CHISEL PLOWS



With the 6750 Parabolic Chisel Plow, you can choose to manage crop residue with a disk attachment, gang or individual coulters. Chisel shanks on the front rank pre-fracture the soil. On the rear rank, parabolic shanks with patented winged tiger[®] points till 4 in. (102 mm) deeper to shatter compaction (spring-reset style shank mount shown). This process opens the soil and creates a healthier root zone.

6700 Coulter Chisel Plow

CROP RESIDUE MANAGEMENT

The 6700 can be equipped with **20 in. (51 cm) gang coulters spaced 7.5 in. (191 mm) or 24 in. (61 cm) individual coulters spaced 15 in. (38 cm)** to cut through crop residue.

SOIL TILTH

Edge-bent chisel shanks improve soil tilth, thereby enhancing air and water exchange for better plant root growth. The shanks can be used with a **2 in. (51 mm) chisel point, 4 in. (102 mm) helical point or tiger C-point**, allowing you to control the amount of fracturing up to 12 in. (30 cm) deep.

SEED BED CONDITIONS/FIELD FINISH

An optional **rear disk level'r** can be used to refine the field finish and is hydraulically adjustable.

6750 Parabolic Chisel Plow

CROP RESIDUE MANAGEMENT

The 6750 can be equipped with **20 in. (51 cm) gang coulters spaced 7.5 in. (191 mm) or 24 in. (61 cm) individual coulters spaced 15 in. (38 cm)** to slice through crop residue. The **front-rank edge-bent chisel shanks** are staggered to handle high volumes of residue and the **parabolic shanks on the rear rank** can also be staggered using an optional setback bracket. The **chisel shanks feature at least 31 in. (79 cm) of underframe clearance, while the parabolic shanks have 35 in. (89 cm)**, leaving plenty of room for residue flow. An **optional 2-rank disk level'r has 20 in. (51 cm) blades** that cut every 7.5 in. (191 mm) to mix residue with the soil.

SOIL TILTH

On the rear rank, heavy-duty 1.25 x 3 in. (32 x 76 mm) parabolic shanks with straight or 5- or 7-in. (127 or 178 mm) **patented winged tiger points** work up to 16 in. (41 cm) deep to fracture and reorient compacted soil and improve soil tilth.



To cut and size residue with incorporation, equip the 6750 parabolic chisel plow with the optional disk attachment.



To cut and size residue with limited incorporation, add the optional individual coulters to the 6700 or 6750. Flat 24 in. (61 cm) coulters on 15 in. (38 cm) centers run directly in front of each shank.



For a level field finish, add the optional hydraulic disk level'r to the rear of the 6700 or 6750. The angled disk blades move the berm back into the shank furrow to leave the field level.



Floating hitch provides improved front-to-back land following capabilities.



Single cylinder depth control means better reliability, more accuracy and easier maintenance.



550 or 650 lb. (250 or 295 kg) trips are available to match field conditions.

SUPERB PERFORMANCE AND PRECISION

Tough field conditions require heavy-duty performance and high accuracy. **Case IH PTX Series** chisel plows deliver both. They maximize your productivity by easily penetrating compacted soil in the seed bed and breaking up clods for a smoother field finish.

No matter how tough the soil is, these chisel plows are even tougher. The PTX600 can accommodate from 27 to 81 **ground-penetrating shanks, with a 550 lb. (250 kg) trip force on 9 in. (229 mm) spacing or a 650 lb. (295 kg) trip force on 12 in. (31 cm) spacing**, to handle even the most demanding field conditions. The PTX300 offers 24 to 40 shanks with a 650 lb. (295 kg) trip force on 12 in. (31 cm) spacing.

Consistent tillage is assured with easy-to-set, **hydraulic depth control**. This feature – coupled with **mechanical linkage** on the PTX Series and **parallel lift** on the PTX600 – ensures accurate, uniform depth across the entire working width.

In variable terrain, the PTX600 offers the added advantages of a **flexible frame** and a **floating hitch** for unmatched land-following ability. Front-to-back and side-to-side, this chisel plow flexes to conform to the changing contours of your fields.

The precision performance of the PTX600 also allows greater versatility. Equipped with a **Case IH air system manifold** and **air package**, this tool can be used effectively for seeding and fertilizing applications.

Both PTX Series chisel plows are solidly built to hold up to the rigors of tough-tillage farming. Rugged **4 x 4 in. (101 mm) tubular frame construction, dual walking beams** and **heavy-duty hubs and bolts** ensure lasting dependability. And when it's time to move to or from the field, the **over-center, wing-up design** makes transport safe and easy.



PTX SERIES DRYLAND CHISEL PLOWS

EQUIPPED TO OPTIMIZE YOUR ACRES

The PTX300 offers working widths between 24 and 40 ft. (7.3 to 12.2 m), while the flexible-frame PTX600 allows you to cover 26 to 62 ft. (7.9 to 18.9 m).

Couple the versatility of these PTX Series size options with the variety of available ground-engaging tools and optional equipment – including a **3- or 4-bar mounted harrow, half-inch tine harrows** to break up tough clods in heavy soils, **trip shim kits and rear hitches** – to create a custom tillage solution. Then go to work knowing you're doing more to achieve greater performance, precision and profitability.



The PTX600 performs well in both flat fields and contoured, hilly terrain.

CROP RESIDUE MANAGEMENT

The PTX Series **3-bar and 4-bar configurations**, along with careful shank and wheel placements, allow a continuously smooth flow of crop residue.

SOIL TILTH

PTX Series **C-type shanks** break through heavily compacted soil to improve soil tilth and increase air/water exchange for better plant root growth.

SEED BED CONDITIONS/FIELD FINISH

Optional harrows aid in furrow closure and leave a smooth field finish.



Axles are mounted on opposite sides of the walking beams for an even load on the pivot points. Heavy-duty hubs and 6-bolt wheels give lasting dependability.



The rank configuration, along with careful shank and wheel placement, allows crop residue to flow cleanly through for a smooth field finish – even in heavy residue.



Optional mounted harrows let you control the field finish. When the harrows are not needed, they may be manually lifted off the ground while in field position.

GROUND-ENGAGING OPTIONS

SHANKS



PARABOLIC
1.25 x 3 in. (32 x 76 mm)
(standard on MRX690 and rear rank of 6750)



C-TYPE
1 x 2 in. (25.4 x 51 mm)
(available for PTX600 with 9 in. spacing)
Trip Force: 550 lbs. (250 kg)



EDGE-BENT CHISEL
1.25 x 2 in. (32 x 51 mm)
(standard on 6700 and front rank of 6750)



C-TYPE
1.25 x 2 in. (32 x 51 mm)
(for PTX300 and PTX600 with 12 in. spacing)
Trip Force: 650 lbs. (295 kg)

SHANK MOUNTS



SPRING-RESET
(available on MRX690, 6700 and 6750)
For rocky areas. Trip Force: 1800 lbs. (817 kg)



SHEAR-BOLT
(available on MRX690, 6700 and 6750)
For non-rocky areas.

COVERING ATTACHMENTS



4 in. and 6 in. (102 mm and 152 mm) covering attachments are available. For use on parabolic shanks to help manage

POINTS

STRAIGHT OR TIGER® POINTS FOR PARABOLIC



The 2 in. (51 mm) straight point opens a "slot" in the compaction layer and requires the least horsepower.



The 7 in. (178 mm) tiger point provides up to 60% soil fracturing from the operating depth upward and sideways. This helps maximize water and air movement within the soil profile



The 5 in. (127 mm) tiger point produces 30-50% soil fracture.



The 7 in. (178 mm) replaceable tip tiger point has a cast tip that can be replaced quickly, making it ideal for rocky conditions.

CHISEL POINTS FOR EDGE-BENT CHISEL SHANKS



The 2 in. (51 mm) heavy-duty chisel point provides semi-deep tillage to fracture hardpan and promote water infiltration.



The 4 in. (102 mm) twisted shovel uses a moldboard action to turn the soil for deep tillage action.



The 7 in. (178 mm) tiger C-point utilizes tiger point technology on a chisel shank, increasing hardpan fracture while

MAXXI-WIDTH™ SWEEPS & CHISELS/SHOVELS FOR C-TYPE SHANKS



Maxxi-width sweeps maintain cutting width as the sweep wears. Four sizes available: 10 in. (25 cm), 14 in. (36 cm) [shown], 16 in. (41 cm), or 18 in. (46 cm). Optional heavy-duty sweeps with 5/16



The 3 in. (76 mm) twisted shovel [shown] uses a moldboard action to turn the soil. Also available: a 2 in. (51 mm) reversible chisel point, recommended for deep tillage, and a 4.5 in. (114 mm) reversible shovel designed for ridging

MRX690

GENERAL

Working Width
Overall Length
Transport Width

Hitch
Swinging Hose Stand
Weight
Mainframe

Axles
Tire Size & Number
Wheel Size

TRANSPORT

SMV Emblem
Transport Locking System
Warning & Tail Lights
Safety Chain

DEPTH ADJUSTMENT

Main Lift/Shanks
Front Disks

Rear Leveling Disks

CROP RESIDUE MANAGEMENT

Front Disk Blade Number/Size
Front Disk Blade Spacing
Front Disk Bearings

5-SHANK

12 ft. 6 in. (3.81 m)
30 ft. 1 in. (9.17 m)
15 ft. 11 in. (4.84 m)

Single-strap, clevis
Standard
9,680 lbs. (4,391 kg)
6 x 8 x .4 in. (152 x 203 x 10.2 mm)
6 x 6 x .4 in. (152 x 152 x 10.2 mm)
6 x 6 in. (152 x 152 mm)
Walking tandems
12.5L-15, 8 Ply (4)
6-bolt Heavy-duty
with replaceable spindles

Standard
Depth collars
Standard
Standard

Mechanical (depth collars)
Standard-mechanical (ratchet adjust)
Optional – hydraulic
Standard-mechanical (ratchet adjust)
Optional – hydraulic

10/24 in. (61 cm), 2/22 in. (56 cm)
12 in. (31 cm)
Standard – cartridge type regreasable,
self-aligning ball bearing
Optional (Rock Cushion) – precision
type regreasable, trunnion mounted

7-SHANK

17 ft. 6 in. (5.33 m)
31 ft. 4 in. (8.57 m)
18 ft. (5.49 m) with hydraulic fold option
21 ft. 11 in. (6.63 m) non-folding
Single-strap, clevis
Standard
11,960 lbs. (5,425 kg)
6 x 8 x .4 in. (152 x 203 x 10.2 mm)
6 x 6 x .4 in. (152 x 152 x 10.2 mm)
6 x 6 in. (152 x 152 mm)
Walking tandems
12.5L-15, 12 Ply (4)
6-bolt Heavy-duty
with replaceable spindles

Standard
Depth collars
Standard
Standard

Mechanical (depth collars)
Standard-mechanical (ratchet adjust)
Optional – hydraulic
Standard-mechanical (ratchet adjust)
Optional – hydraulic

16/24 in. (61 cm), 2/22 in. (56 cm)
12 in. (31 cm)
Standard – cartridge type regreasable,
self-aligning ball bearing
Optional (Rock Cushion) – precision
type regreasable, trunnion mounted

Front Gang Arbor Bolt
Front Gang Disk Spools
Front Disk Mounting
Front Disk Gang Angle
Operating Depth
Mud Scrapers

SOIL TILTH

Type of Shank
Number of Shanks
Shank Mount
Shank Spacing
Shank Size
Shank Clearance
Shank Trip Load
Shank Trip Height
Maximum Operating Depth
Secondary Shear-bolt Protection
Points

SEED BED CONDITIONING

Rear Leveling Disk Blade
Rear Gang Arbor Bolt
Rear Disk Mounting
Rear Disk Gang Spools
Rear Disk Gang Bearings

Rear Disk Blade Spacing
Rear Disk Gang Angle
Operating Depth
Mud Scrapers

POWER REQUIREMENTS

PTO Hp (kW) Required
Recommended Operating Speed

5-SHANK

1.5 in. (38 mm) square spring steel
6 in. (152 mm) heavy-duty cast spool
Unitized Cushion Gang® C-spring
18°
3 to 5 in. (76 to 127 mm)
Rigid spring steel type

Parabolic
5
Spring-Reset or Shear-Bolt
30 in. (76 cm)
1.3 x 3 in. (33 x 76 mm)
35.5 in. (90 mm)
1,800 lbs. (817 kg)
12 in. (31 cm)
14 in. (35.6 cm)
Yes
7 in. (178 mm) tiger® point
recommended, 5 in. (127 mm)
tiger® point or 2 in. (51 mm)
straight point optional

12/24 in. (61 cm), 2/22 in. (56 cm)
1.5 in. (38 mm) round spring steel
Unitized Cushion Gang® C-spring
4.5 in. (114 mm) cast spool
Standard – cartridge type regreasable,
self-aligning ball bearing
Optional (Rock Cushion) – precision
type regreasable, trunnion mounted
12 in. (31 cm)
16°
3 to 5 in. (76 to 127 mm)
Rigid spring steel type

145 to 285 (108 to 213)
4.5 to 7 mph (7 to 11 kph)

7-SHANK

1.5 in. (38 mm) square spring steel
6 in. (152 mm) heavy-duty cast spool
Unitized Cushion Gang® C-spring
18°
3 to 5 in. (76 to 127 mm)
Rigid spring steel type

Parabolic
7
Spring-Reset or Shear-Bolt
30 in. (76 cm)
1.3 x 3 in. (33 x 76 mm)
35.5 in. (90 mm)
1,800 lbs. (817 kg)
12 in. (31 cm)
14 in. (35.6 cm)
Yes
7 in. (178 mm) tiger® point
recommended, 5 in. (127 mm)
tiger® point or 2 in. (51 mm)
straight point optional

18/24 in. (61 cm), 2/22 in. (56 cm)
1.5 in. (38 mm) round spring steel
Unitized Cushion Gang® C-spring
4.5 in. (114 mm) cast spool
Standard – cartridge type regreasable,
self-aligning ball bearing
Optional (Rock Cushion) – precision
type regreasable, trunnion mounted
12 in. (31 cm)
16°
3 to 5 in. (76 to 127 mm)
Rigid spring steel type

200 to 400 (149 to 298)
4.5 to 7 mph (7 to 11 kph)

6700/6750

GENERAL

Working Width	8 ft. 9 in. to 16 ft. 3 in. (2.67 to 4.88 m)	
Overall Length	20 ft. 6 in. to 24 ft. 8 in. (6.25 to 7.50 m)	
Transport Width	11 ft. 9 in. to 15 ft. 11 in. (3.58 to 4.86 m)	
Hitch	Pull-type with 4 x 8 in. (102 x 203 mm) tubing	
Weight	6700	6750
7 shanks	6,500 lbs. (2,948 kg)	7,500 lbs. (3,402 kg)
9 shanks	7,300 lbs. (3,311 kg)	8,400 lbs. (3,810 kg)
11 shanks	9,200 lbs. (4,173 kg)	10,500 lbs. (4,763 kg)
13 shanks	10,000 lbs. (4,536 kg)	11,500 lbs. (5,216 kg)
Mainframe	4 x 6 in. (102 x 152 mm)	
Wheels and Tires	15 x 8 in. (38 x 20.3 cm) 6-bolt rims; 12.5L x 15 tires	
Clevis	Single or double	

TRANSPORT

SMV Emblem	Standard
Warning & Tail Lights	Standard
Safety Chain	Standard

DEPTH ADJUSTMENT

Main Lift	Positive stop mechanical depth control
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HYDRAULICS

Main Lift	3 x 8 in. (76 x 203 mm) on 7-, 9-shank models
	3.5 x 8 in. (89 x 203 mm) on 11-, 13-shank models

CROP RESIDUE MANAGEMENT

20 in. (51 cm) Gang Coulters	operating depth: 3 to 5 in. (76 to 127 mm), effective spacing: 7.5 in. (191 mm)
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24 in. (61 cm) Individual Coulters	operating depth: 3 to 5 in. (76 to 127 mm), effective spacing: 15 in. (38 cm)
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6750 ONLY

20 in. (51 cm) Individually Mounted Disks	operating depth: 3 to 5 in. (76 to 127 mm), effective spacing: 7.5 in. (191 mm)
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SOIL TILTH

Type of Shank	Edge-bent Chisel shanks plus Parabolic shanks on rear bar of 6750	
Number of Shanks	7, 9, 11 or 13	
Shank Mount	Shear-bolt or Spring-reset	
Shank Spacing	15 in. (38.1 cm)	
Shank Size	1.25 x 3 in. (32 x 76 mm) Parabolic or 1.25 x 2 in. (32 x 51 mm) Edge-bent Chisel	
Shank Clearance	6700 – 31 in. (79 cm)	6750 – 35 in. (89 cm)
Shank Trip Height	6700 – 12 in. (31 cm)	6750 – 12 in. (31 cm)
Maximum Operating Depth	6700 – 12 in. (31 cm)	6750 – 16 in. (41 cm)
Secondary Shear-bolt Protection	Yes	
Points	Chisel points for chisel shanks, 7 or 5 in. (178 or 127 mm) tiger® points or 2 in. (51 mm) straight points for parabolic shanks	
Covering Attachments	Optional	

SEED BED CONDITIONING

Hydraulic disk level'r	Optional
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POWER REQUIREMENTS

PTO Hp (kW) Required	
6700	125 to 310 (93 to 231)
6750	140 to 325 (104 to 242)
Recommended Operating Speed	4.5 to 6 mph (7 to 10 kph)

PTX300

GENERAL

Working Width	24 ft. (7.32 m) to 40 ft. (12.20 m)
Transport Width	17 ft. 6 in. (5.33 m) (all sizes)
Transport Height	10 ft. 5 in. (3.20 m) to 17 ft. 9 in. (5.41 m)
Hitch	Tongue type with lift jack
Hitch System	Rigid, all sizes
Hitch Weight Package	Optional
Frame	3 or 4 rank; 4 x 4 in. (102 x 102 mm)
Shim Kits	Optional
Diagonal Bracing	Optional
Wheels	Walking beams
Wing Gauge Wheels	Optional (some models)
Tires	Center section: 11L-15FI D load tubeless Wing section: 11L-15 8PR farm service
Tow Hitch	Optional
NH ₃ Wagon Hitch	Optional

TRANSPORT

SMV Emblem	Standard
Safety Chain	Standard
Transport Locking System	Standard
Warning & Tail Lights	Standard

DEPTH ADJUSTMENT Single point mechanical crank with depth indicator

HYDRAULICS

Wing Lift	2 cylinders
Depth Control	1 cylinder

SOIL TILTH

Shank Type	C-shank, cushion, 50 degree
Shank Size	1.25 x 2 in. (32 x 51 mm)
Shank Spacing	12 in. (31 cm) on 2.25 in. (57 mm) centers
Shank Trip Load	650 lbs. (295 kg)
Sweeps	14, 16 & 18 in. (36, 41 & 46 cm)
Points	2 in. (51 mm) reversible chisel, 3 in. (76 mm) twisted shovel & 4.5 in. (114 mm) shovel

SEED BED CONDITIONING/FIELD FINISH

3- or 4-bar Mounted Harrows (standard or heavy-duty)	Optional
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POWER REQUIREMENTS

PTO hp Required/ft. (kW per m)	4.5 to 8 (11 to 19.6)
Recommended Operating Speed	4.5 to 6 mph (7 to 10 kph)

Weights based on 650 lbs. (295 kg) trips and do not include ground-engaging tools or harrows. Heavy-duty sweeps also available in 5/16 in. (8 mm) material.

PTX600

GENERAL

Working Widths	9 in. (229 mm) spacing: 26 ft. 3 in. (8 m) to 60 ft. 9 in. (18.52 m) 12 in. (31 cm) spacing: 27 ft. (8.23 m) to 62 ft. (18.90 m)
Number of Shanks	9 in. (229 mm) spacing: 35 to 81, 12 in. (31 cm) spacing: 27 to 62
Overall Length	25 ft. 4 in. (7.70 m) to 26 ft. 2 in. (8 m)
Transport Width	18 ft. 6 in. (5.64 m) to 21 ft. 8 in. (6.60 m)
Transport Height	12 ft. 6 in. (3.81 m) to 17 ft. 11 in. (3.62 m)
Hitch	Tongue type with lift jack
Hitch System	Floating, all sizes
Hitch Weight Package	Optional
Frame	3 or 4 rank; 4 x 4 in. (102 x 102 mm)
Shim Kits	Optional
Weight – lbs. (kg)	11,145 lbs. (5,055 kg) to 22,486 lbs. (10,200 kg)
Wheels	Walking beams and front castor wheels
Tires	Center section: 11L-15FI D load tubeless, Wing section: 11L-15 8PR farm service
Rear Hitch	Optional
Work Switches	Optional

TRANSPORT

SMV Emblem	Standard
Safety Chain	Standard
Transport Locking System	Standard
Warning & Tail Lights	Standard

DEPTH ADJUSTMENT Single point mechanical crank with depth indicator

HYDRAULICS

Wing Lift	2 cylinders
Depth Control	1 cylinder

SOIL TILTH

Shank Type	C-shank, cushion, 50 degree
Shank Size	1 x 2 in. (25 x 51 mm) for 9 in. (229 mm) spacing or 1.25 x 2 in. (32 x 51 mm) for 12 in. (31 cm) spacing
Shank Spacing	9 in. (229 mm) or 12 in. (31 cm) on 2.25 in. (57 mm) centers
Shank Trip Load	550 or 650 lbs. (250 or 295 kg)
Sweeps	12 in. (31 cm) on 9 in. (229 mm) spacing; 14, 16 or 18 in. (36, 41 or 46 cm) on 12 in. (31 cm) spacing
Points	2 in. (51 mm) reversible chisel, 3 in. (76 mm) twisted shovel & 4.5 in. (114 mm) shovel
Mudscrapers	Optional

SEED BED CONDITIONING/FIELD FINISH

3- or 4-bar Mounted Harrows (standard or heavy-duty)	Optional
Tine Furrow Closers	Optional
Mounted Press Wheels	Optional
Air Package	Optional
Row Markers	Optional

POWER REQUIREMENTS

PTO hp Required/ft. (kW per m)	4.5 to 8 (11 to 19.6)
Recommended Operating Speed	4.5 to 6 mph (7 to 10 kph)

Weights based on 650 lbs. (295 kg) trips and do not include ground-engaging tools or harrows. Heavy-duty sweeps also available in 5/16 in. (8 mm) material.

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