CASE IH AGRICULTURE

TRUE-TANDEM™

335VT & 335 BARRACUDA **VERTICAL TILLAGE**

AGRONOMIC DESIGN™

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TRUE-TANDEM 335VT & 335 BARRACUDA VERTICAL TILLAGE

2 Models | 22 ft. (6.7 m)–47 ft. 2 in. (14.4 m) Working Widths

Whether it's spring or fall, Case IH vertical tillage equipment delivers a fast and efficient way to cover lots of acres, manage crop residue, level the soil and achieve optimal field conditions. And our industry-exclusive vertical tillage blades deliver the consistency you need for uniform germination, rapid emergence and increased yield.

Available on the True-Tandem vertical tillage, AFS Soil Command™ agronomic control technology allows producers to optimize the agronomic quality of their seedbed — right from the tractor cab. This advanced technology allows for coordinated adjustments to every component of your tillage tool for a high-efficiency seedbed that is optimized for productivity.

CASE IH VERTICAL TILLAGE

AGRONOMIC DESIGN: CUT, SIZE AND BURY MORE RESIDUE.

Case IH vertical tillage equipment lets you slice through tough residue, uproot root balls and level out the soil to create the best possible seedbed for your next growing season. Our vertical tillage lineup, which includes the True-Tandem 335VT and the True-Tandem 335 Barracuda, is built on proven Agronomic Design principles with industry-exclusive blades, so you can more effectively control soil and residue. Our patented system moves material up, over and out, stratifying soil particles and increasing aeration for improved soil tilth and seedbed conditioning.

CROP RESIDUE MANAGEMENT.

Heavy corn stalks, soybean stubble or wheat stubble are controlled from the tractor cab with the True-Tandem's patented TigerPaw™ Crumbler active hydraulic down force. Its double-edge Crumbler puts the final touches on the seedbed in spring or fall. Precise single-point depth adjustment provides greater control over soil residue cover at planting and fits a wide range of soil types, topographies and management objectives.

At speeds of up to 6 to 9 miles per hour, shallow blade concavity helps dig up stubborn root balls and properly mix residue for greater nutrient cycling. Robust frames accommodate higher ground speeds and provide balanced weight distribution over tough, fast-changing conditions. This improves soil leveling and creates an environment for accurate seed placement and positive seed-to-soil contact.

SOIL TILTH.

Soil tilth functionality breaks through crusty sealed-over soils to achieve the proper balance of minerals, air and water.

Our True-Tandem vertical tillage lineup features exclusive concave wavy blades that send soil and residue up, over and out, promoting a better seedbed finish without the excessive compaction typical of heavier disks and other vertical tillage tools. In addition, hair-pinning is reduced, resulting in improved stand establishment.

SEEDBED CONDITIONS.

Properly indexed front and rear blades mounted to an 18-degree gang angle allows unmatched seedbed consistency both on the surface and sub-surface floor. Blade spacing on each gang provides a flat surface with ideal residue sizing. Uniform seedbed depth and temperature contribute to early, even plant emergence.

Our patented TigerPaw Crumbler maintains steady contact with the ground and uses rifled, double-edged bars to break up clods and leave a level surface. The rolling Crumbler promotes maximum decomposition and reduced wind erosion.

DON'T JUDGE A SEEDBED BY ITS SURFACE.

A level seedbed is key to maximizing yields, and it's the reason why producers spend time and money creating a smooth seedbed surface. However, a seedbed consists of more than just the soil surface. It's comprised of the entire layer of soil where the seed is placed and germinates, including the seedbed floor. It's the seedbed floor that impacts the planter's ability to place seeds at the desired depth and spacing — ultimately, affecting yield. Now, with seedbed sensing technology, you can identify what's hidden below the surface to optimize the seedbed floor.

SEEDBED ASSUMPTION.

The seedbed surface is the most important aspect of seedbed preparation.

When properly set, nearly all vertical tillage tools provide a smooth surface appearance. So what makes the Case IH True-Tandem vertical tillage line-up different from the competition? The difference lies beneath the surface.

SEEDBED REALITY.

The seedbed floor impacts even plant emergence and is fundamental in maximizing yields.

Nearly all vertical tillage tools leave an uneven seedbed floor – it's a matter of to what degree. The bumpy sub-surface minimizes planter performance and leads to uneven seed placement.

ADVANTAGES.

- The True-Tandem vertical tillage line-up delivers an even, smooth seedbed by leveling the entire soil layer — including the seedbed floor.
- Front and rear gang blades are precisely indexed to each other to remove any unevenness in the floor.
- The smooth sub-surface maximizes planter productivity to place seeds at the desired depth and spacing.
- Achieve uniform germination, rapid emergence and increased yields.

DURABLE DESIGN LEVELS THE GROWING FIELD.

The True-Tandem 335VT and Barracuda helps you cover more ground in less time so your fields are ready to go when your planting window approaches. Our industry-leading vertical tillage technology enhances operator control, reduces maintenance and extends component life.

LED LIGHTING.

LED lights provide superior brightness, improving visibility during transport and are longer lasting than traditional incandescent light bulbs. Additionally, a Class 3 powder coat paint finish provides more resistance to impact and fading.

GREASELESS BEARINGS.

Greaseless bearings on wheels and TigerPaw Crumbler reduce routine maintenance and keep you in the field longer. These are featured on wing pivots, rockshafts and the TigerPaw Crumbler.

GANG ASSEMBLY.

The 18-degree gang angle paired with each blade's concavity and crimped center results in even cutting and mixing action for a superior finish.

With a dynamic duo of Earth Metal® and cast-iron components, the gang is assembled with crimp-center blades and cast-iron nodular spools, reducing maintenance, such as tightening bolts or adding additional weight kits.

A U-shaped scraper design decreases the likelihood of bending from rocks and debris. Arbor bolts hold torque more consistently and durable parts provide the necessary weight to cut residue and penetrate hard soil, while standard cushion c-springs absorb the shock load when blades hit an obstruction.

MAINFRAME AND WINGS.

The rugged, low-maintenance pull-through frame eliminates drift and accommodates higher ground speeds, resulting in uniform weight per blade and improved balance in heavy residue and a wide range of soil moisture conditions. Symmetrical True-Tandem design pulls straight and levels soil.

SINGLE-POINT HYDRAULIC DEPTH CONTROL.

Easily adjust operating depth with a single hand crank, conveniently located at the front of the machine to meet your needs.

FRAME-MOUNTED GAUGE WHEELS.

Our IF 210/75R15 Radial gauge wheels feature an adjustable one-way-pivot design. Stabilizer wheels are bolted directly to the frame for less wobble in normal field-operating conditions. Operators can quickly and easily set the gauge wheels for wing leveling with no wrenches. And stubble-resistant tires help prevent flats caused by tough residue.

WALKING TANDEMS.

Standard walking-tandem design offers balance and stability for a more consistent seedbed.

FORE AND AFT LEVELING.

Adjust levelness from the cab using hydraulics and view the gauge from the cab to easily return to your pre-adjusted position.

UNLOCK YOUR SEEDBED'S AGRONOMIC POTENTIAL WITH

AFS SOIL COMMAND.

AFS Soil Command agronomic control technology helps producers overcome unseen challenges to unlock more of a field's full agronomic potential. True-Tandem vertical tillage creates an ideal seedbed, and now you can choose to further enhance the agronomic quality of that seedbed with AFS Soil Command agronomic control technology. Use this advanced technology to correct settings, optimizing the productivity of every tillage pass to create a perfect seedbed.

COORDINATED CONTROL.

AFS Soil Command allows the operator to precisely coordinate control of every component of their True-Tandem vertical tillage equipment to optimize all machine settings as field conditions change. With AFS Soil Command, when the disk frame depth is adjusted, all other functions of the machine — such as crumbler pressure and fore and aft levelness — react to remain optimized for peak agronomic performance.

OPERATOR EFFICIENCY.

Ease of operation with AFS Soil Command allows operators to easily make the right agronomic adjustments when and where conditions dictate. Adjust each system component individually or record a group of preferred settings so the operator can return to a given set of adjustments, depending on field conditions. In addition, if manual override is available for all functions should a failure occur to give the operator piece of mind.

AGRONOMIC CONTROL TECHNOLOGY AT YOUR FINGERTIPS.

Proven and dependable AFS components integrated into True-Tandem vertical tillage iron match the performance and ruggedness of Case IH tillage tools for increased durability, and in-cab controls for each system component allow operators to make every inch of the field an ideal crop environment.

AFS® SOIL COMMAND

OPTIMIZE EVERY PASS.

In-cab controls for each system component of the True-Tandem 335VT and 335 Barracuda allow operators to make every inch of the field an ideal environment for plants.

- Properly set disk frame depth lets the True-Tandem 335VT or 335 Barracuda precisely condition the seedbed to create an ideal environment for each seed.
- Fore and aft levelness delivers a consistent seedbed finish to complement seed placement during planting.
- Adjustable Crumbler downforce allows for consistent clod sizing and finish, soil particle stratification and surface leveling.
- Up to four presets allow producers to return to settings optimized for field conditions.

1

Hydraulic fore/aft control: maintain consistent agronomic output

2

Disk Gang Depth: slice, cut and bury residue

3

Precise control and feedback

4

Crumbler pressure: achieve consistent clod sizing and finish

Preset adjustments: maximize every acre

Coordinated control: optimize all tillage components


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KEEP YOUR EDGE WITH EARTH METAL BLADES.

The Earth Metal VT Wave blade runs on its edge, causing soil to explode off the front side of the blade and level without back-side pressure, resulting in maximum penetration and reduced compaction when compared with other vertical tillage blades.

THE EARTH METAL ADVANTAGE.

Our industry-exclusive Earth Metal blades let you cover rocky terrain and uneven ground with confidence — even at high speeds. Earth Metal blades are engineered and manufactured using a raw boron-based steel formula and precise heat treating process with automation, making them tough and breakage-resistant. Proven more durable than other blades that often contain recycled material, these blades penetrate hard, dry soils and break through surface compaction with ease.

BARRACUDA BLADE.

The True-Tandem 335 Barracuda features 22-inch serrated blades for aggressive crop residue and soil management, effectively sizing and evenly incorporating even the most stubborn crop residue for faster nutrient cycling.

- More concavity to leave behind a blacker surface finish than other vertical tillage blades and tools.
- Rugged, serrated “chisel tip” blades stay sharper longer.
- Cut residue up to 4 inches deep in one pass, allowing break up of hard, dry soils for increased nutrient cycling.

VT WAVE BLADE.

The True-Tandem 335VT features two different options of shallow concavity, fluted 20-inch blades to more effectively cut residue and super charge the soil for better clod sizing, mixing and placing small soil particles in the seed placement zone. The indexed and fluted blades provide the smoothest, most uniform seedbed at depths up to 3 inches deep.

- **20×0.256 in. (508×6.5 mm) VT Wave** shallow concavity blades.
  - Rugged blade thickness of 0.256 in. (6.5 mm) to provide protection from rock damage.
- Longer edge life **20×0.197 in. (508×5 mm) VT Wave** shallow concavity blade.
  - The 0.197 in. (5 mm) think blade provides the same agronomic benefits as the .256 in. (6.5 mm) blade but yet stays sharper throughout its life.
  - Ideal for areas without rocks.

ACHIEVE SEEDBED PERFECTION.

Put the finishing touches on your seedbed with the double-edge TigerPaw Crumbler.

TIGERPAW CRUMBLER OPTION.

- The **TigerPaw Crumbler** is mounted directly to the main frame, making it a more stable, long-lasting and reliable tool.
- Each TigerPaw Crumbler bar has two edges to hit large clods twice and tuck residue in the surface for improved leveling and better seed-to-soil contact.
- The bars are rifled for consistent down pressure on the soil. Hydraulic cylinders provide quick and easy adjustability and settings to match field conditions.
- Down force adjustment is made from the hydraulic valve block found near the front of the tool. The Crumbler position is controlled from the cab and can be run in three different modes: active down pressure, float or raised up to get through wet spots.
- AFS Soil Command agronomic control technology can be used to optimize crumbler pressure for maximum agronomic performance.

HOOK TO YOUR TRACTOR AND GO.

The rugged True-Tandem frame provides two height options for the hitch, depending on the tractor's drawbar. Whether going across rugged, rolling terrains or field to field, you'll be able to easily maneuver the equipment.

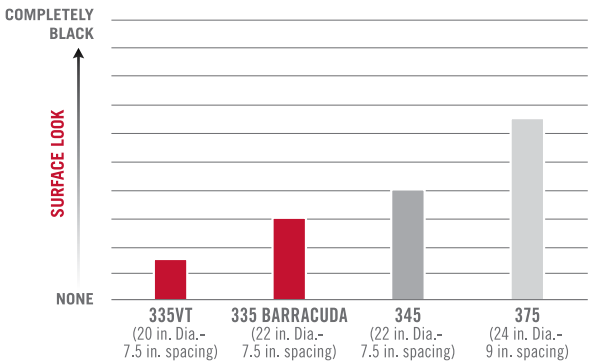
HITCH OPTIONS.

- **Front T-Bone Hitch/Pull Frame:** Engineered to maximize rear tractor tire clearance during tight turns, the Front T-Bone Hitch is spring cushioned and features the "Perfect Hitch" clevis for tractor pin compatibility and extra safety during hook-up.
- **Swivel Hose Stand:** Mounted on the pull hitch, the Swivel Hose Stand keeps hydraulic hoses and wires out of the way during hook-up and transport.
- **Rear Hitch:** This optional feature allows for pull-type attachments for additional soil conditioning. Equipped with a 9-pin electronic connector for lighting and one set of hydraulic couplers, the Rear Hitch has a vertical capacity of 1,000 pounds.

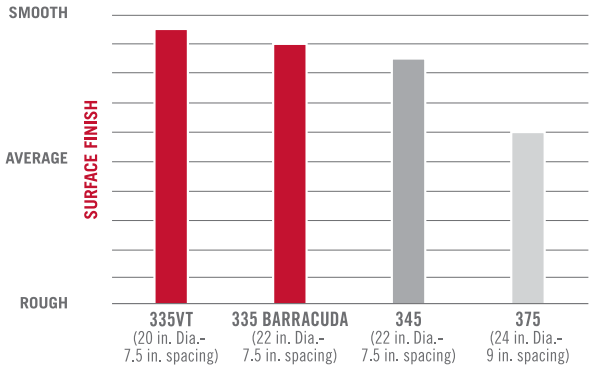
CHOOSE THE RIGHT TRUE-TANDEM.

The following charts will help you determine which Case IH True-Tandem product is right for your operation and tillage practices.

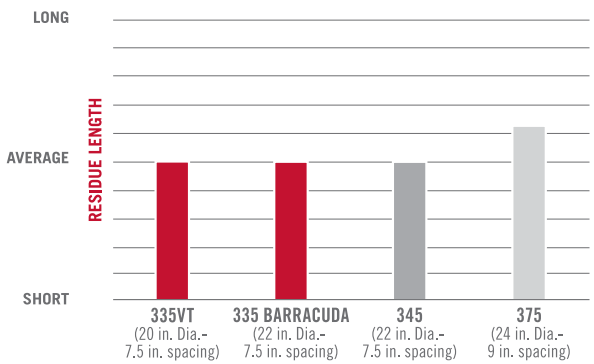
RESIDUE BURIAL*



SURFACE LEVELNESS**



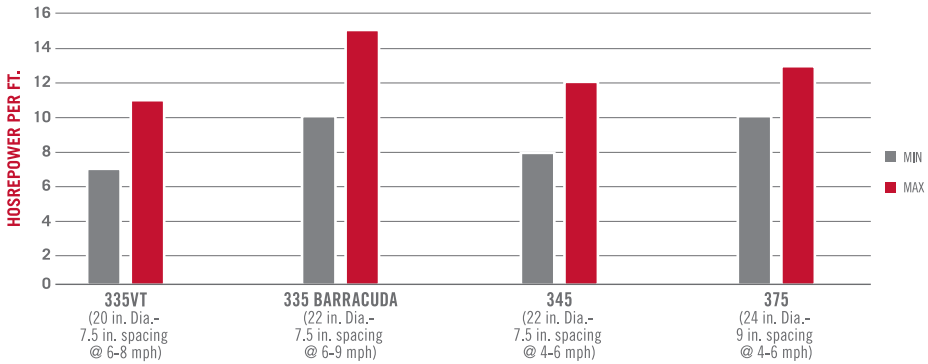
RESIDUE SIZING**



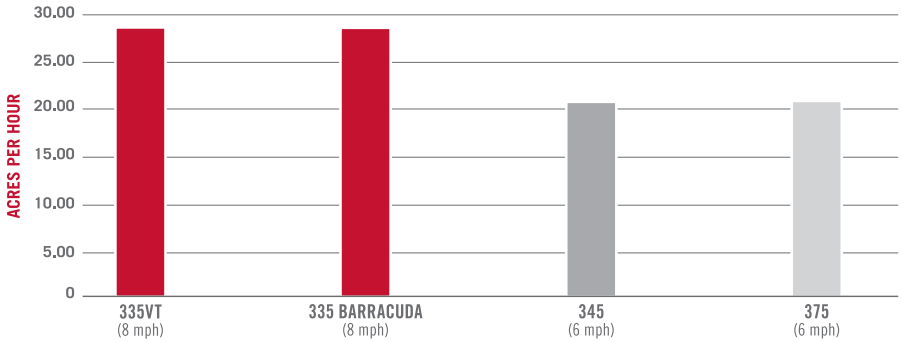
* Residue cover judged at median recommended operating speeds and depths. Fall use, heavy corn stalks. Results may vary depending on initial conditions, depths and speed.

** Fall use, heavy corn stalks. Combination of judgment of clod size and peaks/valleys of surface. Results may vary depending on initial conditions, depths and speed.

HP REQUIREMENTS (PER FT.)†



ACRES PER HOUR (34 FT.)†



† Results may vary depending on initial conditions, depths and speed.

TRUE-TANDEM 335 BARRACUDA SPECIFICATIONS

MODEL	TRUE-TANDEM 335 BARRACUDA						
SPECIFICATIONS	**22 FT. (6.7 M)**	**25 FT. (7.6 M)**	**28 FT. (8.5 M)**	**31 FT. (9.4 M)**	**34 FT. (10.4 M)**	**42 FT. (12.8 M)**	**47 FT. (14.3 M)**
PTO Horsepower	220–330 hp (164–246 kW)	250–375 hp (186–280 kW)	280–420 hp (209–313 kW)	310–465 hp (231–347 kW)	340–510 hp (254–380 kW)	360–545 hp (268–406 kW)	400–600 hp (298–447 kW)
Remote Hydraulic Valves	Four hydraulic remote valves					Four hydraulic remote valves plus ¾" motor return	
Remote Hydraulic Valves - w/ AFS Soil Command	Power Beyond Valve + up to 3 remote valves.					NA	
Operating Depth/Speed	1–4 in. (25.4–101.6 mm), at 6–9 mph						
FRAME							
Main Frame	6×6 in. (152×152 mm) and 4×6 in. (102×152 mm) fore-aft tubes				6×8 in. (152×204 mm) and 4×4 in. (102×102 mm) fore-aft tubes	6×8 in. (152×204 mm) and 4×6 in. (102×152 mm) fore-aft tubes	
Wing Frame	6×6 in. (152×152 mm) and 4×6 in. (102×152 mm) fore-aft tubes				6×6 in. (152×152 mm) fore-aft tubes	4×6 in. (102×152 mm) and 6×6 in. (152×152 mm) fore-aft tubes	
Gang Frame	3×5 in. (76×127 mm) rectangular tube						
Gang Angle	18 degrees front and rear						
Fold	Single Fold					Double Fold	
WHEELS AND TIRES							
Main Frame	8-bolt, 12.5×15 FI standard, 340/55-16 radial stubble resistant optional			8-bolt, 380/60 R16.5 Radial		8-bolt, 16.5×16.1 (load range E)	10-bolt, 440/55R18
Wing Frame	6-bolt, 11L×15 8-ply standard; 8-bolt 340/55-16 radial stubble resistant tires optional			6-bolt, 11L×15 8-ply standard; 8-bolt 380/60 R16.5 radial stubble resistant optional		6-bolt, 12.5L–15 FI (load range D)	
Gauge Wheels	Pivoting wing stabilizer 6-bolt, 7.60×15 8-ply					Castoring wing stabilizer 9.5L×15 FI (load range E)	
ARBOR BOLT							
Size	1.5 in. (38 mm), round spring steel						
CUSHION GANG BLADES AND BEARINGS							
Spacing	7.5 in. (191 mm)						
Blade Diameter/Thickness	22×0.256 in. (559×6.5 mm) Barracuda Blade; Taper blades - 20 × 0.256 in. (508 × 6.5 mm) Barracuda Blade; End blades 18 × 0.256 in. (457 × 6.5 mm) VT Wave blades						
Number of Blades	74	82	94	106	114	142	158
Number of Bearings	16	20	22	26	28	38	44
Tillage Width	22 ft. 5 in.	24 ft. 9 in.	28 ft. 4 in.	31 ft. 10 in.	34 ft. 3 in.	42 ft. 5 in. (12.9 m)	47 ft. 2 in. (14.4 m)
REAR ATTACHMENTS							
TigerPaw Crumbler	Standard, with double-edge formed flat bars and active hydraulic down pressure						
3-Bar Rigid Coil Tine Harrow	US Delta rice only						
SCRAPERS							
Rigid	Spool scraper; gang-to-gang scraper; and trunnion bearing shield all standard						
TRANSPORT SIZE (WITH CRUMBLER RAISED)							
Transport Width	14 ft. 6 in. (4.4 m)		17 ft. 4 in. (5.3 m)		18 ft. 0 in. (5.5 m)	18 ft. 6 in. (5.64 m)	
Transport Height	10 ft. 5 in. (3.2 m)	11 ft. 7 in. (3.5 m)	11 ft. 8 in. (3.6 m)	13 ft. 3 in. (4.0 m)	13 ft. 7 in. (4.1 m)	13 ft. 4 in. (4.06 m)	
WEIGHT							
Total Weight	15,600 lb. (7 076 kg)	16,500 lb. (7 484 kg)	18,000 lb. (8 165 kg)	19,600 lb. (8 890 kg)	21,900 lb. (9 934 kg)	28,500 lb. (12 927 kg)	33,370 lb. (15 136 kg)

*Values shown are subject to operating conditions

TRUE-TANDEM 335VT SPECIFICATIONS

MODEL	TRUE-TANDEM 335 VERTICAL TILLAGE						
SPECIFICATIONS	**22 FT. (6.7 M)**	**25 FT. (7.6 M)**	**28 FT. (8.5 M)**	**31 FT. (9.4 M)**	**34 FT. (10.4 M)**	**42 FT. (12.8 M)**	**47 FT. (14.3 M)**
PTO Horsepower	110–220 hp (82–164 kW)	125–250 hp (93–186 kW)	140–280 hp (104–209 kW)	155–310 hp (116–231 kW)	170–340 hp (127–254 kW)	250–420 hp (186–313 kW)	280–470 hp (209–350 kW)
Remote Hydraulic Valves	Four hydraulic remote valves					Four hydraulic remote valves plus ¾" motor return	
Remote Hydraulic Valves - w/ AFS Soil Command	Power Beyond Valve + up to 3 remote valves.					NA	
Operating Depth/Speed	1–3 in. (25–76 mm), at 6–8 mph						
FRAME							
Main Frame	6×6 in. (152×152 mm) and 4×6 in. (102×152 mm) fore-aft tubes				6×8 in. (152×204 mm) and 4×4 in. (102×102 mm) fore-aft tubes	6×8 in. (152×204 mm) and 4×6 in. (102×152 mm) fore-aft tubes	
Wing Frame	6×6 in. (152×152 mm) and 4×6 in. (102×152 mm) fore-aft tubes				6×6 in. (152×152 mm) fore-aft tubes	4×6 in. (102×152 mm) and 6×6 in. (152×152 mm) fore-aft tubes	
Gang Frame	3×5 in. (76×127 mm) rectangular tube						
Gang Angle	18 degrees front and rear						
Fold	Single Fold					Double Fold	
WHEELS AND TIRES (STUBBLE-RESISTANT TIRE OPTION, SHOWN IN PHOTO)							
Main Frame	8-bolt, 12.5×15 FI standard, 340/55-16 stubble resistant optional			8-bolt, 380/60 R16.5	8-bolt, 380/60 R16.5	8-bolt, 16.5×16.1 (load range E)	10-bolt, 440/55R18
Wing Frame	6-bolt, 11L×15 8-ply standard, 8-bolt w/stubble resistant tires optional					6-bolt, 12.5L–15 FI (load range D)	
Gauge Wheels	Pivoting wing stabilizer 6-bolt, 7.60×15 8-ply					Castoring wing stabilizer 9.5L×15 FI (load range E)	
ARBOR BOLT							
Size	1.5 in. (38 mm), round spring steel						
CUSHION GANG BLADES AND BEARINGS							
Spacing	7.5 in. (191 mm)						
Blade Diameter	Standard blades: 20×0.256 in. (508×6.5 mm); Taper blades 18×0.256 in. (457×6.5 mm); End blades 16×0.256 in. (406×6.5 mm) Optional: 20×0.197-in (508×5 mm); Taper blades 18×0.197-in (457×5 mm); End blades 16×0.197 in. (406×5 mm)					Standard blades: 20×0.256 in. (508×6.5 mm); Taper blades 18×0.256 in. (457×6.5 mm); End blades 16×0.256 in. (406×6.5 mm)	
Number of Blades	74	82	94	106	114	142	158
Number of Bearings	16	20	22	26	28	38	44
Tillage Width	22 ft. 2 in. (6.8 m)	24 ft. 7 in. (7.5 m)	28 ft. 2 in. (8.6 m)	31 ft. 8 in. (9.6 m)	34 ft. 1 in. (10.4 m)	42 ft. 5 in. (12.9 m)	47 ft. 2 in. (14.4 m)
REAR ATTACHMENTS							
TigerPaw Crumbler	Standard, 14 in. diameter with double-edge formed flat bars with hydraulic positioning and active down pressure						
3-Bar Rigid Coil Tine Harrow	US Delta rice only						
SCRAPERS–RIGID							
	Spool scraper; gang-to-gang scraper; and trunnion bearing shield all standard						
TRANSPORT SIZE (WITH CRUMBLER RAISED)							
Transport Width	14 ft. 6 in. (4.4 m)		17 ft. 4 in. (5.3 m)		18 ft. 0 in. (5.5 m)	18 ft. 6 in. (5.64 m)	
Transport Height	10 ft. 5 in. (3.2 m)	11 ft. 6 in. (3.5 m)	11 ft. 8 in. (3.6 m)	13 ft. 3 in. (4.0 m)	13 ft. 7 in. (4.1 m)	13 ft. 4 in. (4.06 m)	
WEIGHT							
Total Weight	15,345 lb. (6 975 kg)	16,208 lb. (7 367 kg)	17,743 lb. (8 065 kg)	19,233 lb. (8 742 kg)	21,543 lb. (9 792 kg)	28,000 lb. (12 700 kg)	32,815 lb. (14 885 kg)

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