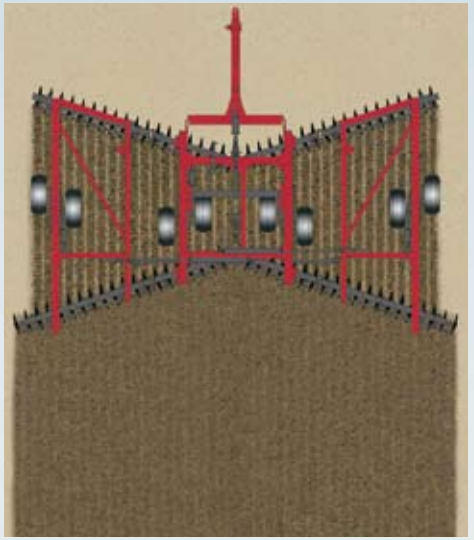
CASE IH AGRICULTURE

TRUE-TANDEM DISKS

True tandem advantage

▼ Opposing forces of mirror-matched gangs eliminate drift, and rear gangs split the cuts of front gangs for consistent cultivation across the entire width of the tool — **a "true" tandem advantage.**



After one pass, the Case IH "True Tandem Advantage" will be obvious. With the gang positions perfectly matching each other on both sides of the tongue, pull forces are uniformly distributed, giving you added stability and straighter, easier pulling with fewer field adjustments. Unlike many competitive "double offset" designs, the Case IH "true" tandem design (shown at left) allows blades in the rear gangs to track directly between the cuts of the front gangs for a true full-width cut, leaving no uncut gaps.

The difference is evident immediately – residue is sized properly, soil is mixed thoroughly and chemicals are incorporated more effectively.And these benefits apply to every Case IH tandem disk, whether you choose a rigid frame unit or a flex-wing unit.

The Best Choice for Growing Your Business

First and foremost, you know that farming is a business – and every major decision you make ultimately impacts your bottom line. That's why Case IH tandem disks are a smart choice for business-critical soil management. These disks will help you maximize efficiency and overall performance, while cultivating your profitability as well as your soil.

With over a century of experience, we have remained the leader in soil management equipment research, technology, design and production. When you purchase a Case IH tandem disk, you can be assured that you're making a solid, sensible investment that will result in greater productivity.

You can also be assured of many years of dependable performance, because Case IH tandem disks are expertly engineered for maximum strength and durability. For example, all models feature exclusive, industry-leading Case IH Earth Metal® blades, which offer exceptional endurance and resistance to breakage. Proven effective in the field, Earth Metal blades are 30% stronger and last up to 20% longer than conventional blades under identical conditions. With their special shallow-concavity design, these unique blades are also easier to pull, compared to conical or spherical blades, resulting in better fuel economy. Superior benefits like these are what set Case IH tandem disks apart.

Case IH offers a full line of tandem disks for primary and seed bed soil management. Read through this brochure to study their advantages, then contact your Case IH dealer to determine which disk is the best choice for growing your crops – and for growing your business.

Seed Bed True-Tandem Disk

A Better Design For Better Seed Bed Preparation

Step up to the Case IH True-Tandem 340 Seed Bed Disk – a new high-performance seed bed preparation system that provides better residue cutting and incorporation; better clod sizing; better penetration in hard, crusty soils; and better "out-the-back"™ performance. This, clearly, is not your ordinary tandem disk. The True-Tandem 340 takes seed bed preparation to a whole new level to help you achieve higher yield potential.

▲ **The Pull Frame** features an increased section of pull plates and .375 in. (9.5 mm) wall tubing for added durability.

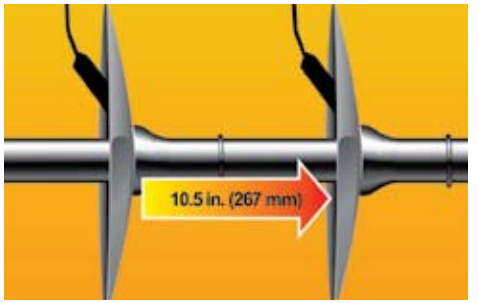
Designed to do more. Take a closer look at the True-Tandem 340 and you'll see all the reasons why this disk is designed to provide superior results. Right off, you'll notice it has a heavier, stronger mainframe, bolstered with 1/2 in. (13 mm) thick cross members, that is fully integrated with the wings. This improved frame produces greater soil penetration and ensures longer life. And it is supported by 6 x 6 in. (152 x 152 mm) tubing for additional strength and weight on 25 ft. (7.6 m) and larger models.

Besides a bigger, stronger frame, the True-Tandem 340 has a host of other enhanced features. An optimized, 18° gang angle ensures consistent cutting depth and soil flow. An iimproved center shank, which allows residue and soil to roll off, is positioned between the gangs to ensure full coverage over the width of the machine, and it is located farther from the front blades to increase its holding force. Uniform weight per blade – 120-140 lbs. (54.4 to 63.5 kg) at 7.5 in. (190 mm) spacing or 150-175 lbs. (68 to 79.4 kg) at 9 in. (229 mm) spacing – also minimizes compaction, while breaking through crusty, sealed-over soil. Walking tandem wheels and a flex-wing configuration maintain uniform, level output even on slopes and rolling terrain. And, to top it off, optimized rear gang lateral spacing and feathering disks create a smooth, ridge-free finish.

Easier from start to finish. When you're ready to hook up the True-Tandem 340, you'll appreciate features that make the process safe and easy: The spring-cushioned, self-leveling front hitch with "Perfect Hitch" tongue is compatible with clevis-type tractor drawbars. Its popular swivel hose stand keeps hydraulic hoses and electrical wires out of the way. And you can achieve quick leveling front-to-rear using a turnbuckle or optional hydraulic leveling cylinder to adjust the True-Tandem 340 to the tractor's drawbar height.

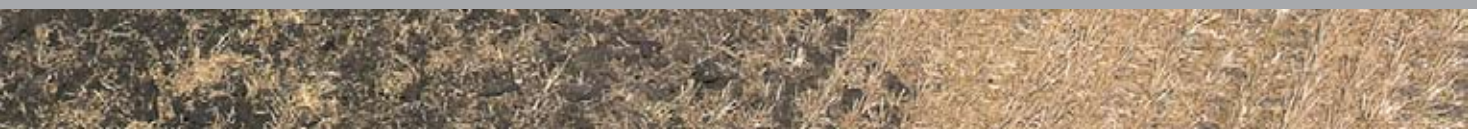
What YOU Expect...	The True-Tandem 340 Delivers
Stronger frames	• Heavier wall hitch – 40% stringer* • 6 x 6 in. (152 x 152 mm) heavy wall frame – 42% stronger* • Larger rockshaft – 2.4 times stronger*
More Precise Adjustments	• Single point hydraulic depth control • Infinitely adjustable eyebolt leves level wings to mainframe • Simple turnbuckle pr optional hydraulic leveling (front to rear)
Improved Cushion Leveling System	• Stronger springs – 76% higher spring rate* • Better geometry for improved performance
Stronger blades	• Earth Metal® crimped-center blades wear 20% longer than the competition • More resistant to breakage
Better Seed Bed Conditions	• Optimized lateral rear gang position • Industry-leading 3-bar coil tine harrow • 3-bar spike tooth harrow

▼ **7.5 in. (190 mm) or 9 in. (229 mm) disk spacing** on the True-Tandem 340 provides excellent seed bed preparation and chemical incorporation.



▲ **Single-point, crank-operated hydraulic depth control** is precise and easy to use, and substantially reduces the time required to adjust the depth for various field conditions.

▲ **Earth Metal® blades** feature a crimped-center design for increased blade strength and shallower concavity for better soil penetration with minimized soil compaction. The blades are mounted on nodular cast iron spools for even greater strength and durability.



Put The True-Tandem 340 to Work in Your Fields

The True-Tandem 340 is available in working widths ranging from 18 ft. 8 in. to 34 ft. 1 in. (5.7 to 10.4 m), and it can be used in the Spring or Fall for seed bed and crop residue management.

You can choose the scraper and gang types that are best suited for your residue and soil conditions: Rigid Arm Scrapers work best in heavy soil with low residue and Flex Arm Scrapers are more appropriate for lighter soil or high residue.

Disk gangs are available in either a rigid mounting for rock-free areas or in a C-spring Cushion Gang® mounting for fields with rocks or other similar obstacles. For extra flexibility, you can also attach one of two optional harrows that are integrated into the frame. Or add an optional rear hitch for pulling a Case IH crumbler® seed bed finisher or another implement.

Going to and from the field is easy... thanks to these ride-enhancing features that provide improved transport clearance and stability: An 11 in. (279 mm) minimum transport ground clearance minimizes hang-ups in transit. Lights and reflectors exceeding industry standards ensure excellent visibility. Heavy rockshaft angles and large rockshaft clamps enhance lifting strength. And, an improved, trunnion-mounted cushion leveling system and heavy-duty springs stabilize movement and minimize rocking – even at higher speeds – so you won't need to re-level the system when changing from field use to transport.

Engineered for endurance. Our engineers have also put a lot of attention into the out-of-sight details, because they can make a big difference in overall performance and durability. For example, the Cushion Gang has a Class 212 bearing – the heaviest bearing used in the industry for this equipment category – to ensure superior bearing alignment and longer bearing life, even in tough conditions. In addition, all bearings use a steel sleeve to spread the load over a larger area of the arbor bolt.

Plan now to make your next seed bed your best-ever seed bed. Equip the True-Tandem 340 for your specific soil and residue conditions and then watch it work its magic – giving you the smoothest and most level output of any seed bed disk on the market.

Crop Residue Management

The True-Tandem 340 effectively manages crop residue in fields with light to medium-heavy residue levels. Heavier residue is best managed by using 22 in. (560 mm) blades with 9 in. (229 mm) spacing, while lighter residue is best handled in the Spring by 20 in. (510 mm) blades with 7.5 in. (190 mm) spacing. This tool is excellent for disking in soybean stubble, moderate wheat stubble or corn stalks, for superior final residue management in the Fall or Spring.

Setting a Higher Standard

Soil Tilth

The optimum weight per blade of the True-Tandem 340 helps to minimize compaction, while breaking through crusty, sealed-over soil. The superb soil-churning action underneath the surface also assures better seed-to-soil contact. With every pass, the 340 produces excellent soil tilth – a proper balance of minerals, air and water – to promote healthier root systems and higher yield potential.

Seed Bed Conditions

The True-Tandem 340, with its true tandem design and 18° front and rear gang angle, along with the lateral position of the rear gang, ensures a ridge-free, uniform level output. Optional, integrally-mounted harrows also help ensure a ready-to-plant seed bed.

Earth Metal® Blades

▲ **#1 Edge –** For normal field conditions. Delivers uniform cut and even distribution. (Available on all Case IH disk models.)

▲ **#11 Reverse-bevel Edge –** For extra sharpness and deep penetration in hard soils. Not recommended in rocks and stumps. (Available on the True-Tandem 340 only.)

▲ **Notched –** For additional penetration in tough soil conditions. (Available on True-Tandem 340, 9 in. rigid model only.

▲ Choose the 3-bar coil-tine harrow, with greater residue capacity and down pressure, for high-residue areas. The 3-bar spike-tooth harrow offers more aggressive clod sizing in tough, dry conditions, and moderate firming of soil (recommended for light-tomoderate residue conditions).

▲ Rigid Arm Scrapers work best in heavy soil, low residue conditions, while Flex Arm Scrapers work in lighter soil or high residue conditions to keep blades free of mud and residue.

▲ For uniform residue and soil mixing, even in the center between disk gangs, Case IH offers a center shank to remove the uncut soil between disk gangs. The center shank is located farther from the front blades than prior models and has increased holding force.

True-Tandem 370 All-Purpose Disk

Built to Tackle the Conditions of Heavy Residue and Dryland

When the going gets tough, you need a tougher disk. Make a change to better penetration and improved "out-the-back"™ performance with the new, heavy-duty True-Tandem 370 all-purpose tandem disk. Built on a frame that is even more rugged than that of the 340 – and loaded with many of the same productivity-boosting features – the True-Tandem 370 is specially equipped for dryland and heavy residue management applications. Even the toughest soil and residue conditions are no match for this monster.

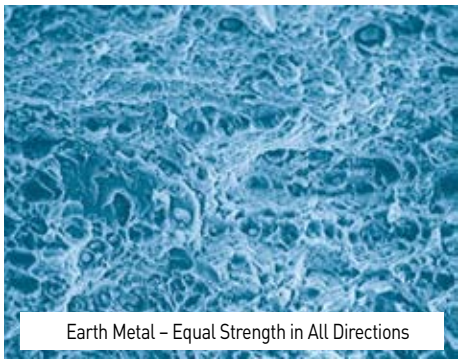
Better blades, bar none. Truly on the cutting edge of the all-purpose disk category, the 370 features exclusive 24 in. (610 mm) shallow concavity blades on the front gangs. These unique blades, combined with a heavier weight per blade, allow the 370 to achieve industry-leading soil penetration, especially on the wings. This also helps provide superior slicing and mixing of soil and residue. This disk's unique blades not only cut through tough conditions, they also cut your time in your field. By reducing thrown soil, they allow you to maintain a level output at higher operating speeds – so you can increase your productivity while preparing a yield-enhancing seed bed.

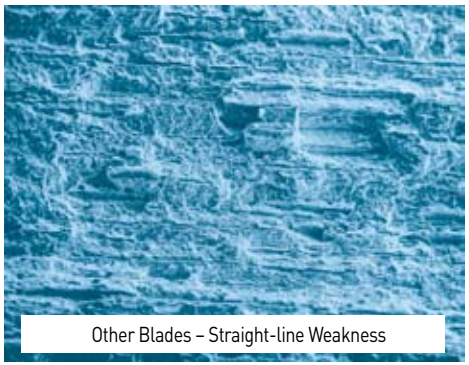
Exceptional durability. The True-Tandem 370 boasts stronger gangs specifically designed to handle higher-intensity appli-cations. Heavy wall 6 x 6 in. (152 x 152 mm) tubes on the wings, a heavy wall 4 x 4 in. (101 x 101 mm), center front-to-rear tube, and heavy wall 4 x 6 in. (101 x 152 mm) cross tubes add even more strength. The rugged Earth Metal® blades have a 6 in. (152 mm) crimped center and are precisely fitted on heavy, 6 in. (152 mm) nodular cast iron spools for even greater strength and resistance to breakage.

And, with its flex-wing configuration, the True-Tandem 370 can easily maneuver slopes and rolling terrain.

The 370 is ideal for dryland fields or for heavy crop residue management. Match your specific application to one of several working widths ranging from 25 ft. 2 in. to 33 ft. 9 in. (7.7 to 10.3 m).

▲ **24 in. (610 mm) Earth Metal blades** with an exclusive shallow-cavity design achieve industryleading soil penetration.


Earth Metal – Equal Strength in All Directions


Other Blades – Straight-line Weakness

▲ This magnified view shows you why Earth Metal blades resist stress fractures. Our non-directional process leaves a random composition (left), while conventional roll-forming causes bands of sulfide impurities to string throughout the entire blade (right). These weak spots practically invite a crack or split in the blade. Earth Metal blades are proven to be 30% stronger and can last 20% longer!

What YOU Expect...	The True-Tandem 370 Delivers
Superior Cutting and Mixing of Soil and Residue	• Exclusive 24 in. (619 mm) Earth Metal shallow-concavity blades on front gangs • Heavier weight per blade • Industry-leading soil penetration
Faster Operating Speeds	• Shallow-concavity blades reduce thrown soil, maintain level output at higher speeds
Stronger Gangs and Greater Blade Durability	• Earth Metal cripmed-center blades • Nodular cast iron spools • Heavy wall tubes – 6 x 6 in. (152 x 152 mm) front-to-rear and 4 x 6 in. (101 x 152 mm) across
High Residue Capacity	• 9 in. (229 mm) spacing between shallow-concavity front blades • Standard-concavity, residue-sizing rear blades

▲ Walking tandems on mainframe and wings offer more consistent depth control, better handling in wet or soft soil and a smoother ride leading to less stress on the frame.

▲ **The heavier springs** provide solid stability for transport and minimize "rocking." There is no need to re-level the machine when changing from field use to transport position.

▲ **The rockshaft, clamps and angle mounts** provide great strength for the weight and size of the True-Tandem 370 disk.

▲ **The wings feature** a large 6 x 6 in. (152 x 152 mm) outer frame member and a 4 x 6 in. (101 x 152 mm) inner frame member for more uniform weight per blade on the wings, and a more durable frame.

WHAT MAKES A SMART DECISION AN EASY ONE?

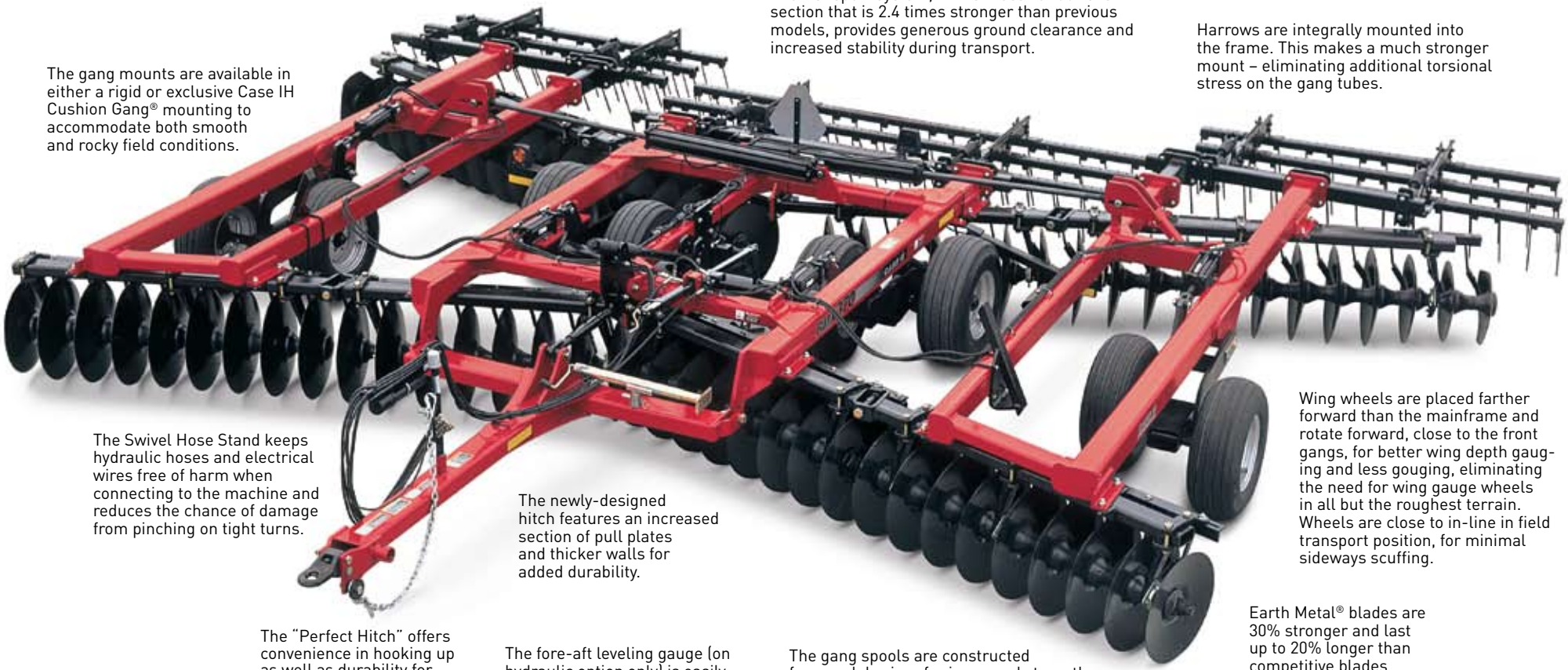
6 x 6 in. (152 x 152 mm) heavy wall outer wing tubes optimize weight balance of the wings relative to the mainframe, minimizing wing float without complicated down pressure systems used by some competitors.

All hydraulic cylinders are NitroSteel® for greatly improved resistance to corrosion.

The transport system, with a massive rock shaft section that is 2.4 times stronger than previous models, provides generous ground clearance and increased stability during transport.

Harrows are integrally mounted into the frame. This makes a much stronger mount – eliminating additional torsional stress on the gang tubes.

The gang mounts are available in either a rigid or exclusive Case IH Cushion Gang® mounting to accommodate both smooth and rocky field conditions.



The Swivel Hose Stand keeps hydraulic hoses and electrical wires free of harm when connecting to the machine and reduces the chance of damage from pinching on tight turns.

The newly-designed hitch features an increased section of pull plates and thicker walls for added durability.

Wing wheels are placed farther forward than the mainframe and rotate forward, close to the front gangs, for better wing depth gauging and less gouging, eliminating the need for wing gauge wheels in all but the roughest terrain. Wheels are close to in-line in field transport position, for minimal sideways scuffing.

Earth Metal® blades are 30% stronger and last up to 20% longer than competitive blades.

The "Perfect Hitch" offers convenience in hooking up as well as durability for long life and is compatible with the Case IH Auto-Pin tractor drawbar.

The fore-aft leveling gauge (on hydraulic option only) is easily viewable from the cab and makes it easy to monitor levelness.

The gang spools are constructed from nodular iron for increased strength. The bell-shaped design adds strength, increases residue flow and the machined ends allow a much tighter fit versus the welded tubes used by some competitors.

Not Your Oridinary Tandem Disk

SPECIFICATIONS	True-Tandem 340						True-Tandem 370			
GENERAL										
Working Width										
at 7.5 in. (190 mm) spacing	18 ft. 8 in. (5.7 m)	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. (9.7 m)	34 ft. 1 in. (10.4 m)	NA	NA	NA	NA
at 9 in. (229 mm) spacing	19 ft. 4 in. (5.9 m)	22 ft. 2 in. (6.8 m)	25 ft. (7.6 m)	27 ft. 10 in. (8.5 m)	30 ft. 8 in. (9.3 m)	33 ft. 7 in. (10.2 m)	25 ft. 2 in. (7.7 m)	28 ft. 1 in. (8.6 m)	30 ft. 11 in. (9.4 m)	33 ft. 9 in. (10.3 m)
Transport Width	12 ft. 7 in. (3.8 m)	12 ft. 7 in. (3.8 m)	15 ft. 1 in. (4.6 m)	15 ft. 1 in. (4.6 m)	15 ft. 1 in. (4.6 m)	17 ft. 10 in. (5.4 m)	15 ft. 3 in. (4.6 m)	18 ft. (5.5 m)	18 ft. (5.5 m)	18 ft. (5.5 m)
Transport Height	9 ft. 10 in. (3 m)	11 ft. 2 in. (3.4 m)	11 ft. 2 in. (3.4 m)	12 ft. 6 in. (3.8 m)	13 ft. 9 in. (4.2 m)	13 ft. 9 in. (4.2 m)	11 ft. 11 in. (3.6 m)	11 ft. 11 in. (3.6 m)	12 ft. 11 in. (3.9 m)	14 ft. 3 in. (4.3 m)
Overall Length	21 ft. to 23 ft. 3 in. (6.4 to 7.1 m)						21 ft. 8 in. to 23 ft. 3 in. (6.6 to 7.1 m)			
Hitch	Spring-cushioned, Self-leveling						Spring-cushioned, Self-leveling			
Hitch Clevis	Perfect Hitch Auto-pin design						Perfect Hitch Auto-pin design			
Swivel Hose Stand	Standard						Standard			
Weight (No Harrow)	7,982 to 15,045 lbs. (3621 to 6824 kg)						13,306 to 18,175 lbs. (6036 to 8244 kg)			
Mainframe Axles	Duals [19 to 22 ft. (5.7 to 6.8 m) sizes] Standard (optional walking tandems); Walking Tandems [25 to 34 ft. (7.5 to 10.4 m)]						Walking Tandems			
Mainframe Tires	12.5L x 15 6-bolt 10PR or 8-bolt FI (LR=F)						12.5L x 15 FI (LR=F)			
Wheels	Mainframe Wheels – Duals or Walking Tandems [19 to 22 ft. (5.7 to 6.8 m) sizes], Walking Tandems [25 to 34 ft. (7.5 to 10.4 m) sizes]; Wing Wheels – Single, Dual or Walking Tandems						Mainframe Wheels: 8-bolt Heavy-Duty Wing Wheels: Dual or Tandem 6- or 8-bolt			
Wing Tires	11L x 15 8PR; 12.5L x 15 6-bolt 10PR or 8-bolt FI (LR=F)						11L x 15 8PR or 12.5L x 15			
Operating Speed	4.5 to 6 mph (7.2 to 9.7 km/h)						5 to 7 mph (8 to 11.3 km/h)			
TRANSPORT										
SMV Emblem	Standard						Standard			
Transport Locking System	Positive Mechanical Transport Lock						Positive Mechanical Transport Lock			
Warning & Tail Lights	Standard						Standard			
Safety Chain	Standard						Standard			
DEPTH ADJUSTMENT										
Depth Control	Single Point Hydraulic						Single Point Hydraulic			
Fore/Aft Leveling	Mechanical Turnbuckle or Optional Hydraulic						Mechanical Turnbuckle or Optional Hydraulic			
CROP RESIDUE MANAGEMENT										
Gang Mounts	Rigid or C-Spring Cushion						Rigid or C-Spring Cushion			
Disk Blade Size	20 or 22 in. (510 or 560 mm)						24 in. (610 mm)			
Disk Blade Design	Earth Metal® for longer wear, Crimped Center for added strength						Earth Metal for longer wear, Crimped Center for added strength			
Disk Blade Concavity	Standard						Shallow (Front); Standard (Rear)			
Blade Edge	#1 Edge Standard; Optional notched or #11 Reverse-bevel edge						#1 Edge Standard			
Disk Blade Spacing	7.5 or 9 in. (190 or 229 mm)						9 in. (229 mm)			
Disk Bearings: Rigid Mounts	Regreasable Triple Lip, Heavy Steel Bearing, Self-aligning Flange Style						Regreasable Triple Lip, Heavy Steel Bearing, Self-aligning Flange Style			
Disk Bearings: Cushion Mounts	Precision Regreasable Trunnion Mounting						Precision Regreasable Trunnion Mounting			
Gang Arbor Bolts	1.5 in. (38 mm) Round						1.5 in. (38 mm) Square			
Gang Disk Spools Size	4.5 in. (114 mm) Nodular Iron Spool						6 in. (152 mm) Nodular Iron Spool			
Gang Disk Spools Type	Slim center for improved residue flow; Machined ends for precise fit with Crimped Center blade						Slim center for improved residue flow; Machined ends for precise fit with Crimped Center blade			
Machine Weight Per Blade (Typical)	7.5 in. (190 mm) spacing: 120 to 140 lb. (54.4 to 63.5 kg); 9 in. (229 mm) spacing: 150 to 175 lb. (68 to 79.4 kg)						190 to 210 lb. (86.2 to 95.3 kg)			
Front & Rear Gang Disk Angle	18°						18°			
Operating Depth (Typical)	2 to 4 in. (51 to 102 mm)						3 to 6 in. (76 to 152 mm)			
Scrapers	4 in. (102 mm) Heavy-duty Spring Steel – Flex or Rigid						4 in. (102 mm) Heavy-duty Spring Steel – Rigid			
POWER REQUIREMENTS										
Engine Horsepower	8 to 12 hp/working ft. (20 to 29 kW/m)						10 to 13 hp/working ft. (24 to 32 kW/m)			
PTO Horsepower	6.9 to 10 hp/working ft. (16.9 to 24.5 kW/m)						8.6 to 11 hp/working ft. (21 to 27 kW/m)			
OPTIONAL EQUIPMENT										
3-bar Coil Tine Harrow	Optional, for excellent residue handling capabilities						Optional, for excellent residue handling capabilities			
3-bar Spike Tooth Harrow	Optional, for more aggressive clod sizing						Optional, for more aggressive clod sizing			
Rear Hitch	Optional						Optional			
Gauge Wheels	Optional 20.5 x 8 wheels (set of two)						Optional 20.5 x 8 wheels (set of two)			

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SAFETY NEVER HURTS!™ Always read the Operator's Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs, and use any safety features provided.

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