

VT-FLEX™ 435

VERTICAL TILLAGE TOOL

SPECIFICATIONS



VT-FLEX 435 VERTICAL TILLAGE TOOL

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VARY RESIDUE COVERAGE BETWEEN SEASONS

Agronomic flexibility is a core design feature of the VT-Flex™ 435 vertical tillage tool, which helps producers achieve optimal field conditions with simple, variable gang angle adjustments. **Gang angles are mechanically or hydraulically adjustable from zero to 12 degrees** to match the operator's desired field finish — spring or fall.

CREATE BETTER IN-FIELD CONDITIONS FOR BETTER STAND AND PLANT PERFORMANCE

- From the tractor cab, operators can **adjust the front gangs independently from the rear gangs** to further vary residue coverage and field finish.
- Patented TigerPaw™ Crumbler® is designed to produce **uniform clod sizing and residue distribution** for optimal field finish.
- **Optional hydraulic down pressure** for TigerPaw Crumbler to adjust for adverse conditions available on 30- and 34-foot models.

SPRING OR FALL — IDEAL FOR A WIDE RANGE OF MIXED FARMS AND SMALL TO LARGE MIDSIZE GRAIN OPERATIONS

- **Available widths from 11- to 34-feet** to meet the needs of almost any operation.
- **Single-point hydraulic depth** control offers quick and easy adjustments in a variety of fields and conditions.
- Cover more acres with **6–9 miles per hour ground speeds**.
- **Optional rear hitch** for 30- and 34-foot models to pull additional harrow for more clod sizing.

BUILT TO WITHSTAND TOUGH CONDITIONS

- **20-inch Earth Metal® VT wave blades** stand up to the toughest conditions cutting and mixing residue.
- **Rugged cast-iron nodular spools and large arbor bolts** provide strength, durability and weight where it's needed.
- **Flat, crimped centers** on blades for gang and blade strength and durability.



ON-THE-GO ADJUSTMENTS FOR VARIABLE CONDITIONS

Spring or fall, match your soil management needs with the **VT-Flex 435 vertical tillage tool**. Whether you're looking to size residue and preserve soils — or mix the most stubborn crop residue — effective field preparation is made simple with fast, easy gang angle adjustments.



A FRONT T-HITCH

Make tight and efficient turns when space is at a premium.

B SOIL MANAGEMENT FLEXIBILITY

Match the soil management needs of any field, spring or fall, with 1- to 4-inch depth capabilities.

C SIMPLE ADJUSTMENT POINTS

Single-point hydraulic depth control offers quick and easy adjustments in a variety of fields and conditions. Plus, **choose from either mechanical or hydraulic fore/aft leveling** for a smooth and even finish.

D ADJUSTABLE GANG ANGLES

Maximize time in the field with simple, on-the-go adjustments. Gang angles are **mechanically or hydraulically adjustable** (15- to 34-foot models) from 0 to 12 degrees match your desired field finish.

E WALKING TANDEM

Standard walking tandem on the main frame and wings (15- to 34-foot models) offers balance and stability, reducing soil compaction while providing optimal depth control.

F DURABLE BLADES

20-inch Earth Metal VT wave blades are designed to stand up to the toughest conditions with maximum durability. Plus, flat, crimped blade centers allow for exceptional strength.



G DURABLE COMPONENTS

Greaseless bushings in all rockshaft pivots and heavy-duty roller bearings in TigerPaw Crumbler help reduce routine maintenance.

H TIGERPAW CRUMBLER

The TigerPaw Crumbler features a proven spring down pressure design for consistent, effective clod sizing — with formed double edge bars to add strength in all conditions.

I NARROW TRANSPORT

Get from field to field faster and with ease with a narrow **13-foot 7-inch transport width** (11- to 25-foot models).



15-ft. model shown.

WORKING WIDTH	11 FT. (3.4 M)	15 FT. (4.6 M)	20 FT. (6.1 M)	23 FT. (7.0 M)	25 FT. (7.6 M)	30 FT. (9.1 M)	34 FT. (10.4 M)
Engine HP Range	65 - 110 HP (48 - 82 kW)	90 - 150 HP (67 - 112 kW)	120 - 200 HP (89 - 149 kW)	140 - 230 HP (104 - 171 kW)	150 - 250 HP (112 - 186 kW)	210 - 340 HP	240 - 380 HP
Remote Hydraulic Valves	One (lift/lower)	Two-lift/lower and fold; Three (w/ optional hydraulic gang adj.)				Two-lift/lower and fold; Three hydraulic gang/tilt; Four optional hydraulic TigerPaw Crumbler	
Operating Depth & Speed	1 - 4 in. (25.4 - 101.6 mm) at 6 - 9 mph						
FRAME							
Transport Width	13 ft. (4.0 m)	13 ft. (4.0 m)	13 ft. (4.0 m)	13 ft. (4.0 m)	13 ft. (4.0 m)	17 ft. 10 in. (5.4 m)	17 ft. 10 in. (5.4 m)
Transport Height	N/A	9 ft. (2.7 m)	11 ft. 2 in. (3.4 m)	12 ft. (3.7 m)	13 ft. 7 in. (4.1 m)	12 ft. 2 in. (3.7 m)	13 ft. 10 in. (4.2 m)
Depth Control	Single point depth control						
Main Frame	Fore/Aft tubing – 6"×6" – 3/8" wall (15.24 cm×15.24 cm×0.95 cm); Cross tubing – 6"×4" – 3/8" wall (15.24 cm×10.16 cm×0.95 cm)						
Gang Frame	3×5 in. (76×127 mm) rectangular tube						
Fold	Rigid frame	Transport – single fold; Field – pinned rigid frame	Single fold				
CUSHION GANGS AND BLADES							
Gang Angle	0 - 12 degrees						
Gang Angle Adjustment	Mechanical front and rear or hydraulic independent adj. front and rear (optional)					Hydraulic independent adj. front and rear	
Mounts	Cushion mounted (C-spring) gang with heavy-duty 1-1/2 in. (32 mm) round arbor bolt						
Scrapers	Standard spool scraper, gang-to-gang scraper and trunnion bearing shield						
Bearings	Greaseable heavy-duty trunnion bearings						
Spacing	7.5 in. (191 mm) spacing						
Diameter	20 in. (0.508 mm) shallow concavity						
Thickness	0.256 in. (6.5 mm)						
Blade Design	Earth Metal, crimp center, shallow concavity VT Wave blades						
Number of Blades	40	56	68	76	84	96	106
Number of Bearings	10	16	20			22	24
WHEELS AND TIRES							
Main Frame	Walking tandem – 340/55-16					Walking tandem – 380/55R16.5	
Wing Frame	N/A	Walking tandem – 11L×15 Bias Ply				Walking tandem – 280/75R1	
Stabilizer Wheels	N/A	Optional one-way pivoting stabilizer wheels – Radial IF210/70R15					
REAR ATTACHMENTS							
Crumbler	Standard, 14 in. diameter with double-edge TigerPaw Crumbler spring down pressure (optional hydraulic TigerPaw Crumbler on 30 ft. and 34 ft. sizes)						



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