Vertical Tillage

EXCELERATOR® 8005

Invest in Quality®

www.KuhnNorthAmerica.com
ACCELERATE RESIDUE BREAKDOWN

ONE PASS
The KUHN Krause Excelerator® Vertical Tillage System provides exceptional residue cutting, soil and residue mixing and seedbed preparation in one pass, utilizing an exclusive 4-step process.

SOLUTIONS
True vertical tillage delivers residue cutting and soil mixing without soil shearing or smearing in the critical zone for seed placement and young seedling root development.

YOU DECIDE
This exclusive 4-step process makes the Excelerator one of the only vertical tillage systems to provide operators a choice:

- Move soil laterally to fill shallow ruts and smooth fields following less than ideal harvest conditions.
- Leave more residue to meet requirements for highly erodible land (HEL) conditions.

VERTICAL TILLAGE SYSTEM
EXCELERATOR 8005
in brief

<table>
<thead>
<tr>
<th>Models</th>
<th>Working Width</th>
<th>Number of Blades</th>
<th>Weight (lbs / kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8005-11</td>
<td>11'</td>
<td>37</td>
<td>9,502 / 4,310</td>
</tr>
<tr>
<td>8005-14</td>
<td>14'</td>
<td>45</td>
<td>11,264 / 5,109</td>
</tr>
<tr>
<td>8005-20</td>
<td>20'</td>
<td>65</td>
<td>17,063 / 7,740</td>
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<td>8005-25</td>
<td>25'</td>
<td>77</td>
<td>19,809 / 8,985</td>
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<td>8005-30</td>
<td>30'</td>
<td>93</td>
<td>23,165 / 10,507</td>
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<tr>
<td>8005-34</td>
<td>34'</td>
<td>105</td>
<td>27,930 / 12,669</td>
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<tr>
<td>8005-40</td>
<td>40'</td>
<td>121</td>
<td>32,315 / 14,588</td>
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<tr>
<td>8005-50</td>
<td>50'</td>
<td>153</td>
<td>42,050 / 19,074</td>
</tr>
</tbody>
</table>

VERTICAL TILLAGE SYSTEM
EXCLUSIVE 4-STEP PROCESS

1 CAPTURE AND SLICE
Excalibur® VT (Vertical Tillage) blades, with their distinctive scalloped edge, capture and slice residue into planter-manageable sizes. This exclusive 32-flute design easily penetrates soil, creates small clod size and begins the soil and residue mixing process.

2 CUT AND REMOVE
In this high-speed process adjustable gang angles with Excalibur VT blades on 8” spacing remove the maximum amount of uncut soil at shallow depth settings, while minimizing furrowing and ridging for a smooth field finish.

3 MIX AND ANCHOR
Exclusive to Kuhn Krause, rotary Star Wheel™ treadsers aggressively mix soil and residue, pulverize large clods, remove soil from disturbed root balls and anchor residue into the soil surface.

4 SIZE AND FIRM
The proven 24/7® soil conditioning reel delivers clod sizing and firming for this high-speed operation.
Soil movement and residue mixing are varied by adjusting the gangs from 1° (maximum residue retention) to 5° (maximum soil movement, leveling and residue mixing). Hydraulic gang angle adjustment is available as an option. Excalibur VT blades are designed to wear on both sides of the blade at these settings, maintaining a sharp edge over time. These shallow angles prevent soil roll and inversion, distinguishing the Excelerator’s performance from competitive units based on older disc harrow technology with typical gang angles from 10° to 22°.

CAPTURE AND SLICE RESIDUE
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CUT AND REMOVE
The second gang of Excalibur VT blades are indexed to the front 8” spaced blades to remove the maximum amount of uncut soil at shallow depth settings. This provides uniform tillage without smearing or compacting the critical seed zone required for consistent seedling root development. During this process, soil and residue are lifted above the surface and propelled by the fluted blades into the next step of this exceptional vertical tillage process. The unique design of the Excalibur VT blades minimizes furrowing and ridging, leaving a smooth field pass-to-pass.

HEAVY-DUTY 24/7™ CONDITIONING REEL
The proven 24/7™ soil conditioning reel delivers clod sizing and firming for this high-speed operation. The 24/7™ reel also offers the convenience of “floating” with a simple in-field adjustment, allowing continued operation in higher soil moisture conditions.

TWO HEAVY-DUTY REEL OPTIONS AVAILABLE
Available with flat blades for maximum clod sizing in hard soil conditions or round bars for increased soil firming in loamy soil conditions, this effective component completes a superior finish to any field.

MAINTENANCE-FREE BEARINGS
• No daily grease maintenance required for the new PEER® TILLXTREME™ maintenance free bearings, now incorporated into the Excalibur® VT gang assemblies, Star Wheel™ treaders and 24/7™ conditioning reels.
• Spherical pivot bearing for each walking beam assembly requires no grease, along with rocker and wing hinge pivots.
Customized to Fit Your Operation

ADDITIONAL FEATURES

GUARDIAN HITCH™
This exclusive option guards against stress on the tractor drawbar and implement frame. Lateral drawbar forces are transferred through the hitch pivot, where shock load from steering input is dampened by urethane blocks.

STANDARD SPECIFICATIONS

GUARDIAN HITCH™
- Combination CAT II - 1-1/2" Pin and CAT I - 2" Pin
- Tongue Type
  - Hydraulic Adjustment, Level Lift
- Hydraulics
  - Single Point Depth Control, Cylinders with Royal Plate Plus
- Hitch (Options available as parts order)
  - Articulating Ball, CAT III - 1-1/2" Pin
  - Articulating Ball, CAT IV - 2-3/4" Pin

HYDRAULIC WING DOWN-PRESSURE

The Excelerator™ features standard constant-flow hydraulic down-pressure. This feature can add additional downforce to each wing via the wing fold cylinders. This feature stabilizes each wing section during high-speed operation.

STANDARD SPECIFICATIONS

HYDRAULIC WING DOWN-PRESSURE
- Walking Beams with Spherical Pivot Beings, Slip-In Spindles, 8-Bolt Heavy-Duty Hubs (4) 340/60 R16.5
- Walking Beams with Spherical Pivot Beings, Slip-In Spindles, 8-Bolt Heavy-Duty Hubs (4) 440/55 R15.5
- Walking Beams with Spherical Pivot Beings, Slip-In Spindles, 8-Bolt Heavy-Duty Hubs (2) 280/70R 15 per Wing
- Walking Beams with Spherical Pivot Beings, Slip-In Spindles, 8-Bolt Heavy-Duty Hubs (2) 340/60R16.5 per Wing
- Walking Beams with Spherical Pivot Beings, Slip-In Spindles, CAT IV - 2-3/4" Pin Articulating Ball, CAT V - 3-5/8" Pin

WALKING BEAMS

Standard heavy-duty walking beams on the center section feature heavy-duty welded hubs, with "slip-in" replaceable for easy servicing. Walking beam assemblies feature spherical pivot bearing requiring no daily grease maintenance. Walking beam tandems on each wing frame have 6-bolt hubs with bolt in spindles as standard equipment.

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GUARDIAN HITCH™
- Combination CAT II - 1-1/2" Pin and CAT I - 1-1/4" Pin
- Tongue Type
  - Mechanical Fore/Aft Adjustment, Level Lift
- Hydraulics
  - Single Point Depth Control, Cylinders with Royal Plate Plus, Color Coded Hydraulic Hose Grips, All Hydraulic hose, Fits CAT III and IV
- Hitch (Options available as parts order)
  - Articulating Ball, CAT III - 1-1/2" Pin
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Standard heavy-duty walking beams on the center section feature heavy-duty welded hubs, with “slip-in” replaceable for easy servicing. Walking beam assemblies feature spherical pivot bearing requiring no daily grease maintenance. Walking beam tandems on each wing frame have 6-bolt hubs with bolt in spindles as standard equipment.

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PRODUCT SYSTEMS

<table>
<thead>
<tr>
<th>EXCELERATOR®</th>
<th>Machine Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>/ 5200NT PRO System No-Till Drill</td>
<td>5 10 15 20 25</td>
</tr>
<tr>
<td>EXCELERATOR® / EXCELERATOR®</td>
<td></td>
</tr>
<tr>
<td>4830 In-Line Ripper / EXCELERATOR®</td>
<td></td>
</tr>
<tr>
<td>DOMINATOR® / EXCELERATOR®</td>
<td></td>
</tr>
</tbody>
</table>

**EXCELERATOR® ACRES PER HOUR**

Based on minimum operating speed of 6 mph and maximum operating speed of 10 mph.

KUHN Krause offers one of the most complete lines of vertical tillage machines in the industry. Seven machine sizes provide a wide spectrum of acre per hour productivity for various tractor horsepower ranges, based on speed of operation.

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Corporate Headquarters
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Information given in this document is only for informational purposes and is non-contractual. Our machines are in compliance with North American safety standards. In our literature, and for improved illustration of certain details, some safety devices may not be in operating position. When operating these machines, these devices must be operated in accordance with the requirements indicated in the operator’s manuals and assembly manuals. We reserve the right to change any designs, specifications or materials listed without further notice. Machines and equipment in this document can be covered by at least one patent and/or registered design. Trademarks cited in this document may be registered in one or several countries.

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