1000 SERIES DISC HARROWS

SUNFLOWER. THE ULTIMATE ANSWER.
Quality and service never go out of style, regardless of the era or the industry. So it’s easy to see why Sunflower has grown to become one of the most recognized names around the world for top-quality agricultural products.

It all started more than 70 years ago when Charles Fleming and Orland Hazen formed a partnership in 1941 and bought the Sunflower Express Truck Line. Four years later, in 1945, they bought the patent rights to the “Diamond Packer” and ventured into the farm equipment market through production in a small garage in Beloit, Kansas.

Using a series of heavy-weight cast wheels, the Diamond Packer formed a series of diamond shaped holes in the ground, when pulled behind a plow or disc, to prevent wind and water erosion. Sunflower eventually sold the product line to a company in southwest Kansas, to concentrate on other ventures … like the need for flexible tillage tools to follow field contours and terraces. In 1961, Sunflower introduced the three-section, flexible stubble mulch blade plow — the first of its kind on the market and Sunflower’s first flexible tillage product.

Six years later, Sunflower introduced a flexible chisel plow, followed in 1968 by a flexible offset disc. In 1971, the entire tillage line was redesigned to add more sales appeal in a market that had grown to include most of the Midwest’s “High Plains” area. In fact, Sunflower went through several years where sales and earnings were doubling every year.

In the mid-70s, Sunflower’s engineering team developed the idea of combining a regular two-section offset disc with another left-handed version, making a double offset disc with four sections. In addition to patenting the four-section disc in 1975, Sunflower also began expanding its sales into the Corn Belt with a new coulter chisel. At the same time, the company moved to its current location on the outskirts of Beloit — the third move since the company’s formation.

From that time, Sunflower has expanded the facilities two additional times; been purchased and consolidated by several previous owners, and acquired a number of other companies, including Flex-King, Richardson Manufacturing Co., the Best Grain Drill line from Best Manufacturing, and Richardson Dump Wagons.

In November 2002, Sunflower was acquired by AGCO Corporation. Today, as part of AGCO Corporation, Sunflower tools carry on the quality and service tradition with proven design, coupled with new technology and unprecedented customer service that hasn’t wavered in seven decades.
1212 DISC HARROW

Sunflower strength in a small package.

Smaller acreage needs shouldn’t mean settling for a light-weight disc harrow. That’s certainly not the case with the Sunflower Model 1212. Built with all the strength and performance features found on larger Sunflower disc harrows — including a heavy mainframe — the Model 1212 is capable of performing primary and finish discing operations in even the toughest conditions.

Choose from four rigid-frame models that match tractors up to 110 horsepower and discover why Sunflower is called North America’s best built disc.

Sunflower - The Ultimate Answer

1. TRANSPORT SAFETY - Safety lighting and SMV sign are standard equipment on every Sunflower machine.
2. FAST, EASY LEVELING - Leveling the disc from front-to-rear is very simple with the easily accessible leveling screw. Heavy-duty compression springs cushion the front and rear gangs when crossing ditches or rough terrain.
3. DUAL WHEELS - Dual wheels provide stability and even penetration across the width of the machine. 2" slip in spindles with triple lip seals will provide years of trouble-free service. Dual wheels are standard on 13–15 models and optional on the 10–12 machines.
4. C-FLEX™ BEARING STANDARDS - C-Flex™ bearing standards absorb disc gang shock created by stumps, rocks, and normal discing. This extends bearing, spool and disc blade life.
5. MAINTENANCE-FREE LIFT - Lift system is equipped with maintenance-free UHMW sleeves which eliminates the high wear, metal-to-metal contact points.
6. SOLID COMPONENTS THROUGHOUT - Available with 22" or 24" disc blades with 8 1/2" spacing, which enhance residue coverage and increase ability to penetrate the soil. Large 1 3/4" gang shafts with a spring washer on the ends of the gangs, provide a solid foundation for maximum gang performance.
7. SELF-ADJUSTING scrapers - C-Flex™ bearing arm mounted disc blade scrapers stay in adjustment moving with the disc gangs, unlike frame mounted scraper assemblies.
8. VERSATILE hitch - Double lip hitch clevis is standard.

1212 DISC HARROW SPECS

<table>
<thead>
<tr>
<th>MODEL #</th>
<th>CUTTING WIDTH (m)</th>
<th>TRANSPORT WIDTH (m)</th>
<th>EST. WT. (lbs)</th>
<th>WEIGHT PER FT. OF CUT (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1212-10</td>
<td>10'-6&quot; (3.2)</td>
<td>11'-4&quot; (3.5)</td>
<td>3,978 lbs. (1804)</td>
<td>398 lbs. (180)</td>
</tr>
<tr>
<td>1212-12</td>
<td>11'-10&quot; (3.4)</td>
<td>12'-8&quot; (4)</td>
<td>4,199 lbs. (1904)</td>
<td>350 lbs. (159)</td>
</tr>
<tr>
<td>1212-13</td>
<td>12'-1&quot; (3.4)</td>
<td>13'-10&quot; (4.3)</td>
<td>4,851 lbs. (2200)</td>
<td>373 lbs. (169)</td>
</tr>
<tr>
<td>1212-15</td>
<td>13'-2&quot; (4.5)</td>
<td>14'-10&quot; (4.7)</td>
<td>5,069 lbs. (2299)</td>
<td>337 lbs. (153)</td>
</tr>
</tbody>
</table>

*Weight is figured with 22" blades.

We are continually striving to improve our machines; therefore, these specifications are subject to change without notice.

Learn more on the WEB www.sunflowermfg.com
Whether you’re discing wheat stubble after harvest or preparing a seedbed prior to spring planting, the Model 1234 Disc Harrow has the adaptability to handle the job. The all-welded frame on this medium-weight model still has the brawn required for uniform penetration in tough soils; yet excellent flotation when a lighter touch is needed. Either way, you’re assured of uniform depth control and level discing via your choice of 22- or 24-inch, full-concavity disc blades.

In addition, three flexible sections ensure the 1234 follows the contours for smooth, even tillage in any field. Of course, like all Sunflower disc harrows, the 1234 is loaded with features that give it a distinctive edge over competitive brands.

**1. Easy Leveling, Simple Depth Control** - Leveling the disc from front-to-rear is very simple with manual or optional hydraulic adjustment. Sunflower utilizes heavy-duty compression springs on each side of the pivot point to cushion both front and rear gangs, important when crossing ditches or rough terrain. The front-mounted depth control allows the operating depth of the entire disc to be adjusted with a single setting. This simple adjustment is easy, safe and precise.

**2. Swivel Gauge Wheels** - Heavy-duty gauge wheels with exclusive parallel link and swivel design allows the gauge wheel to turn with the disc instead of creating a furrow or bending due to side loading.

**3. Rugged Components** - Large 22” or 24” full-concavity disc blades maximize residue coverage and soil penetration. Large 1 3/4” gang bolts teamed with spring-end washers provide a strong, stay-tight disc gang assembly. The 1234 offers 8 1/2” blade spacing or 7 1/2” front and 8 1/2” rear spacing on most models.

**4. Self-Locking for Transport** - Automatic transport locks engage as the wings are folded for added safety and convenience. This eliminates the need for the operator to crawl on the frames to install pins.

**5. Narrow Transport** - Sunflower’s 1234 disc folds hydraulically to narrow transport widths. The 18’, 21’ NC* and 24’ NC* feature narrow center frames that allow these discs to fold to less than 13’. Larger sizes fold to under 16’. Increased ground clearance during transport makes travel from one field to another much easier.

**6. Maintenance-Free Lift** - The 1234 lift system is equipped with maintenance-free (greaseless) HNVM plastic cleats which eliminate high wear, metal-to-metal contact points.

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**1234 DISC HARROW SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Cutting Width (m)</th>
<th>Transport Height (m)</th>
<th>Blade Spacing (F/R)</th>
<th>est. Weight (kg)</th>
<th>Weight per Ft. of Cut (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1234-18</td>
<td>18’-11” (5.5)</td>
<td>10’-2” (3.1)</td>
<td>8-1/2” F/R</td>
<td>9,829 lbs.</td>
<td>517 lbs. (234)</td>
</tr>
<tr>
<td>1234-21 (NC)</td>
<td>21’-6” (6.6)</td>
<td>11’-5” (3.5)</td>
<td>8-1/2” F/R</td>
<td>10,690 lbs.</td>
<td>505 lbs. (229)</td>
</tr>
<tr>
<td>1234-21 (WC)</td>
<td>21’-6” (6.6)</td>
<td>11’-5” (3.5)</td>
<td>7-1/2” F 8-1/2” R</td>
<td>12,184 lbs.</td>
<td>519 lbs. (235)</td>
</tr>
<tr>
<td>1234-24 (NC)</td>
<td>24’-1” (7.3)</td>
<td>12’-10” (3.7)</td>
<td>8-1/2” F/R</td>
<td>12,578 lbs.</td>
<td>507 lbs. (230)</td>
</tr>
<tr>
<td>1234-24 (WC)</td>
<td>24’-1” (7.3)</td>
<td>12’-10” (3.7)</td>
<td>7-1/2” F 8-1/2” R</td>
<td>12,422 lbs.</td>
<td>514 lbs. (233)</td>
</tr>
<tr>
<td>1234-27</td>
<td>27’-2” (8.3)</td>
<td>12’-7” (3.9)</td>
<td>8-1/2” F/R</td>
<td>13,583 lbs.</td>
<td>510 lbs. (231)</td>
</tr>
<tr>
<td>1234-29</td>
<td>29’-1” (10)</td>
<td>13’-11” (4.4)</td>
<td>8-1/2” F/R</td>
<td>15,628 lbs.</td>
<td>504 lbs. (230)</td>
</tr>
<tr>
<td>1234-32</td>
<td>32’-4” (10.6)</td>
<td>15’-6” (4.7)</td>
<td>8-1/2” F/R</td>
<td>17,098 lbs.</td>
<td>534 lbs. (234)</td>
</tr>
</tbody>
</table>

*Weight is figured with 22” blades and 21’-6” NC model shows weight with each spacing option.*

*We are continually striving to improve our machines; therefore, these specifications are subject to change without notice.*
1. EXCELLENT ROAD STABILITY - 1435-21" through 29" features a wider center wheel placement for improved road stability and field performance.

2. HYDRAULIC LEVELER OPTION - An optional hydraulic front-to-rear lever allows the operator to fine tune the 1435 from his tractor's seat. A self-adjusted disc not only pulls easier, but leaves the field in better condition.

3. RUGGED COMPONENTS THROUGHOUT - Available with 23" to 24". Bronz blades (recommended in rock areas) with 3/4"-3/8" blade spacing. Poliooll Bronz blades are available in 24" on certain models (not recommended in rock areas). 1 3/4" alloy steel gang shafts with a spring steel end washer and nut at each end of the arbors bolt to keep the gage wheel assembly tight. Impact absorbing C-Flex bearing standards and trunnion mounted gang bearings are standard equipment on all Sunflower disc harrows.

4. REDUCED TRANSPORT HEIGHT - Split wing technology reduces transport height of the wider working 37' to 40' models.

5. MAINTENANCE-FREE PIVOTS - UHMW now utilized in the pivot and front shafts of the gauge wheels, more service free features than competitive tools.

6. BUILT-IN PROTECTION - Permanent safety light bracket mounts on the lift axle. A well-adjusted disc not only pulls easier, but leaves the field in better condition.

7. UHMW WING PIVOTS - All greasing has been eliminated in both the wing hinges and all transport connections by incorporating UHMW technology into the high wear areas.

8. ADVANCE LIFT DESIGN - Lift adjustment facilitates frame leveling and promotes smoother trash flow under the 1435 frames.

9. SPLIT CENTER ROCKSHAFT - The split center rockshaft design improves wheel placement for better disc gang control and eliminates twisting of the lift side.

10. LOW WEAR TRUNNION BEARINGS - Sunflower's trunnion bearings provide positive alignment, eliminate wear between the bearing and housing and ensure positive lubrication. As the C-Flex™ bearing standards move, gang bearings have to constantly realign. In conventional bearing systems the bearing moves within the housing. This eventually leads to wear between the bearing and housing, then bearing failure, because grease cannot get into the bearing. With the trunnion bearing there is never any wear between the bearing and housing and there is always positive lubrication. The trunnion bearing feature triple lip seals that cannot be damaged by daily greasing and metal washers that protect the seals from being damaged by stalks or material wrapping around the gang shaft.

You can find any number of reasons the Model 1435 is North America’s “Number One” disc harrow. For one, the 1435 offers working widths from 21’ to 40’ so you can cover more ground with each pass. Yet, they fold smaller competitive disc harrows. The long 7’ hitch allows unrestricted turns to a narrower transport width than most disc harrows in their size class. Wide working widths, height than most disc harrows in models also offer a lower transport height. Thanks to Sunflower’s patented split-center rockshaft technology, the 37’ and 40’ models are standard with 24” blades, 1/4” thick.

Specifications are with 24” blades, 11/16” thick. Recommended implement weights for discs will vary greatly with the type of soil. In general, moderately firm to firm soil conditions require a 1 3/4% of tractor weight. In soft to very soft soils, 2 to 2 3/4% of tractor weight is recommended for best performance in these conditions. For the 1435, 6 to 8% is required.

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Learn more on the WEB www.sunflowermfg.com

You’ll find plenty of disc harrows on the market that claim to flex and follow contours. But one thing soon becomes obvious. They’re all built with three sections. For real flexibility, take a look at the Model 1444. Even the smallest model in the series, which features a cutting width of 30’ 6”, features four sections to follow terraces and uneven terrain, while gliding over rocks that can damage other disc harrows. All the while the heavy frame protects the unit from stress and strain as walking tandems and outboard gauge wheels prevent frame bounce and uneven penetration. Who says “you can’t have your cake and eat it too”?

Sunflower - The Ultimate Answer

This Is What True Flexibility Looks Like.

1444 DISC HARROW

1. SELF-LOCKING - Automatic transport locks are engaged as the wings are folded, eliminating the need to crawl on the frames to insert pins.

2. KEEP HOSES ORGANIZED - Hose holder with storage locations keep the hoses paired together and off the ground to prevent contamination to your hydraulic system.

3. GREASE-FREE WING HINGES - All greasing is eliminated on the heavy-duty wing hinges with the maintenance-free UHMW plastic sleeves.

4. TRANSPORT SAFETY - Standard safety lights and reflective markings are ASAE compliant to meet today’s stringent standards.

5. EASY FRAME LEVELING - Independent front-to-rear leveling of each half of the disc is simple with the conveniently located self-leveler. Optional hydraulic levers available.

6. SIMPLE DEPTH CONTROL - Single point depth control on each center section, allows you to fine tune the disc for optimum performance.

7. PIVOTING GAUGE WHEELS - Exclusive parallel link and swivel design allows the gauge wheel to turn with the disc instead of creating a furrow or bending due to side loading.

8. WALKING TANDEM - Walking tandems on the wings and center sections prevent frame bounce and uneven penetration.

9. SMOOTHER TRASH FLOW - Conveniently located lift adjustment facilitates frame leveling and promotes smoother trash flow under the frame.

10. MAINTENANCE-FREE Pivot Points - Greasing has been eliminated at all transport connectors by incorporating UHMW plastic sleeves into the high wear areas.

11. SOLID COMPONENTS - Available with 32”, 24”, or 20” disc blades in 8 1/2” spacing, which enhance residue coverage and increase ability to penetrate the soil. Large 1 3/4” gang shafts with a spring washer on the ends of the gangs, provide a solid foundation for maximum gang performance.

1444 DISC HARROW SPECS

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Cutting Width (m)</th>
<th>Transport Width (m)</th>
<th>Transport Height (m)</th>
<th>Gang Standards</th>
<th>Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1444-30</td>
<td>9.3</td>
<td>5.5</td>
<td>3.7</td>
<td>12/12</td>
<td>17,506</td>
</tr>
<tr>
<td>1444-33</td>
<td>10.2</td>
<td>5.5</td>
<td>4.0</td>
<td>12/12</td>
<td>18,800</td>
</tr>
<tr>
<td>1444-36</td>
<td>11.1</td>
<td>6.1</td>
<td>4.2</td>
<td>16/14</td>
<td>20,014</td>
</tr>
<tr>
<td>1444-40</td>
<td>12.2</td>
<td>6.1</td>
<td>4.7</td>
<td>20/14</td>
<td>23,865</td>
</tr>
</tbody>
</table>
When you build a disc harrow like the Model 1544 with the strength and heft to penetrate tough soil and heavy residue, you're talking about a lot of weight … particularly on acre-hungry 42’ and 45’ models. Unfortunately, many manufacturers forget that fact. And flotation tires can be expensive.

That's why you'll find eight tires on four sets of walking tandems on the ground during transport. The benefits include safer transport and better flotation in the field. In the meantime, the 1544 offers unmatched flexibility in rolling terrain and terraced ground, thanks to its four-section design and heavy-duty compression springs on each pivot point.

Independent four-section flexibility enables the machine to conform to extremely uneven ground conditions and provides unmatched protection against rock damage. Each section is able to flex from side-to-side and front-to-rear, making the Sunflower four-section disc the #1 choice for farmers with terraced ground or rocky soils.

Sunflower - The Ultimate Answer

1. AMPLE WEIGHT SUPPORT - Eight tires on four sets of walking tandems are on the ground at all times during transport for added safety and stability. This is a real advantage when compared to dual tires on competitive models. Large 2 1/8” diameter spindles and eight bolt hubs and wheels ensure years of dependable service.

2. WALKING TANDEM - Walking tandems at the transport locations effectively distribute the folded implement weight during transport, increasing tire life. Walking tandems under the wing frames not only provide smooth performance in rough fields, but readily control bounce and limit the frame stress associated with out of ground turning.

3. SUPERIOR COMPONENTS THROUGHOUT - Available with 22” or 24” disc blades in 8 3/4” spacing, which enhance residue coverage and increase ability to penetrate the soil. Large 1 3/4” gang shafts with a spring washer on the ends of the gangs, provide a solid foundation for maximum gang performance.

4. FAST EASY FRAME LEVELING - Level each half of the disc from front-to-rear with a single adjustment. Manual crank is standard, or choose the optional hydraulic adjustment. Sunflower features heavy-duty compression springs on each side of the pivot point to cushion both front and rear gangs, important when crossing ditches or rough terrain.

5. SINGLE-POINT DEPTH CONTROL - This front-mounted adjustment allows the operating depth of each half of the disc to be set through a single setting. This simple adjustment is easy, safe and precise.

6. MAINTENANCE-FREE PIVOT POINTS - Greasing has been eliminated at all transport connections by incorporating UHMW plastic sleeves into the high wear areas.

1544 DISC HARRROW SPECS

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>CUTTING WIDTH</th>
<th>TRANSPORT WIDTH</th>
<th>TRANSPORT HEIGHT</th>
<th>-EST. WT.-</th>
<th>NIGHT FEET</th>
<th>HT. AT 3'</th>
<th>HT. AT 6'</th>
</tr>
</thead>
<tbody>
<tr>
<td>1544-42</td>
<td>42”</td>
<td>22”-2”</td>
<td>14”1”</td>
<td>27,200 lb.</td>
<td>644 lb.</td>
<td>36”</td>
<td>31”</td>
</tr>
<tr>
<td>1544-45</td>
<td>45”</td>
<td>22”-2”</td>
<td>15 3/4”</td>
<td>28,975 lb.</td>
<td>644 lb.</td>
<td>36”</td>
<td>31”</td>
</tr>
</tbody>
</table>

*Width based on 22” blades.

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Learn more on the WEB www.sunflowermfg.com
With working widths up to 50 feet, Sunflower 1550 Series Five Section Disc Harrows can cover more than 30 acres per hour and still provide unmatched flexibility over uneven terrain. Built with the strength to handle high-horsepower tractors it also boasts over 650 pounds per foot or 230 plus pounds per blade to cut through tough crop residue and packed soil. When time is short and the fields are large, the 1550 is the obvious answer.

Sunflower - The Ultimate Answer

1. DUPLEX WING HINGES - Duplex wing hinges (patent pending) provide the wings with two pivot points. The lower pivot, closer to the blades, allows more down flex (10°) than competitive five section tools (5° to 7°). In addition, it maintains proper blade spacing. The upper pivot provides the offset needed to fold the wing frames for transport.

2. NARROW TRANSPORT - Moving from field to field is easy and stress free thanks to the narrow width and low transport dimensions of the SF1550 series tandem disc harrows.

3. MAINTENANCE-FREE GAUGE WHEELS - Disc gang control is augmented by a gauge wheel on each wing. The gauge wheels are designed into the disc harrow and are located near the outside ends of the disc gangs for optimum gang control. Vertical adjustments are made with parallel linkage keeping constant the angle of the wheel arm to the soil. The gauge wheels pivot on maintenance free UHMW bushings.

4. MORE WEIGHT-CARRYING CAPACITY - Walking Triple Tandems (patent pending) located in the center section have 50% more weight carrying capacity than conventional walking tandems. A total of fourteen tires supply unequalled flotation and implement carrying capacities.

**1550 DISC HARROW SPECS**

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>IMPLEMENT CARROUSEL</th>
<th>CUTTING WIDTH</th>
<th>TRANSPORT WIDTH</th>
<th>TRANSPORT HEIGHT</th>
<th>BLACK DEPTH</th>
<th>WEIGHT</th>
<th>WEIGHT PER FT. OF CUT</th>
</tr>
</thead>
<tbody>
<tr>
<td>SF1550-47</td>
<td>Center (6) 12.5L (GF-F) tires with 15x10 wheels and 8 bolt 2.75” hubs. Wings (8) 12.5L, 12 ply tubeless tires with 15x10 wheels and 6 bolt 2” hubs.</td>
<td>50’ (15.2)</td>
<td>24’ (7.3)</td>
<td>13’ 11” (4)</td>
<td>666 lbs. (302)</td>
<td>31,302 lbs (14198)</td>
<td>666 lbs (302)</td>
</tr>
<tr>
<td>SF1550-50</td>
<td>Center (6) 12.5L (GF-F) tires with 15x10 wheels and 8 bolt 2.75” hubs. Wings (8) 12.5L, 12 ply tubeless tires with 15x10 wheels and 6 bolt 2” hubs.</td>
<td>50’ (15.2)</td>
<td>24’ (7.3)</td>
<td>13’ 11” (4)</td>
<td>666 lbs. (302)</td>
<td>33,300 lbs (15105)</td>
<td>666 lbs (302)</td>
</tr>
</tbody>
</table>

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标准配置和特点

1. **盘刀刮片**
   - 不同竞品的碟形产品，Sunflower布置的刮片在C-Flex™后端的每个单独动作。这将刮片从底部清除或摩擦接触盘面。

2. **前置悬挂装置**
   - 布置在Sunflower碟形上，我们的悬挂装置提供水平、脊或起垄移栽的表面。

3. **刮刀条**
   - 在每个Sunflower后端碟形的末端用于防止在被切掉的条幅上缠绕的杂草或材料。

4. **C-Flex™标准轴承**
   - 标准配置在所有Sunflower碟形上。C-Flex™标准轴承装置盘面环绕着由 stamp、noodle 和正常倒置。C-Flex™后端盘面的改进包括减少起垄条幅两端的磨损。

5. **耐用提升系统**
   - 一个维护免费的提升系统，其设计由标准的维护和精确深度控制。在所有Sunflower碟形上。这个系统不仅不包括所有链接，而且通过在复位装置的改进消除了需要为一个选择或打孔的移栽提供一个方法。在每个后端，笋特和C-Flex™后端相互作用的提升系统保持盘面水平。更进一步，Sunflower组合连接时消除了在中心的问题—另一问题与常规的组合盘面。最后，Sunflower确保每次组合时都包含一个水平条幅。

6. **轻便刀片**
   - 钢质或四角定制的最终组合方案。是否适合用于基础或完成盘面，保持盘面的角度一致。每个部分都包含一个维护费配置和扳手无键刀片调整。注意使用弹簧平行连接臂来保持必需的压强，同时保持整体刀片间距。螺纹的平行安装臂确保了在平地或斜坡上的支撑。一些制造商通过简单地增加延伸盘面的长度来做出较大的组合方案。如果不成功，这可能在组合时被组合或损坏由于在平地或斜坡上的支撑。
**1710 / 1730 SERIES OFFSET DISC HARROWS**

A New Level Of Strength And Weight

Sunflower has always been known for building rugged, heavy-duty disc harrows. But the new SF1700 Series Offset Disc Harrows take weight and strength to a new level. Featuring large-diameter, full-concavity blades and the highest weight per foot in the industry, the 1700 Series is designed to penetrate packed soils, as well as the thickly matted crop residue that comes with today’s high-yielding, genetically modified crop varieties.

Available in cutting widths from 11’ to 24’ 11” — including two models built specifically for the construction industry — the 1700 Series is designed to size and incorporate even the toughest crop material in your quest to return nutrients to the soil and maximize crop potential.

**Sunflower - The Ultimate Answer**

**1710 / 1730 OFFSET DISC HARROWS**

1. **HEAVY DUTY FRAMES** - The SF1700 Series frames are constructed of high strength 4” x 8” x 3/8” steel tube to withstand the high stress of aggressive tillage. It is cross braced and gusseted for added strength and trouble-free service.

2. **RIGID OR SPRING CUSHION GANGS** - with 1/8” thick plant or notched disc blades. Available in 28” or 30” blade sizes 28” & 30”.

3. **SINGLE CUSHION GANGS** (selected models) - The entire gang assembly plastic upwards when an obstruction is encountered. The heavy coil springs compress allowing the gang assembly to pass over the obstruction then expand to return the gangs to their working position.

4. **HIGH LOAD RANGE WHEELS AND TIRES** - (6.12), x 10 DVT, Load Range F tires with 5” x 10”, eight bolt wheels and 2.75” lip in spindles.

**1710 DISC HARROW SPECS**

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>DESCRIPTION</th>
<th>CUTTING WIDTHS</th>
<th>BLADE SIZES (IN)</th>
<th>NUMBER OF BLADES</th>
<th>TRANSPORT WIDTHS (IN)</th>
<th>WEIGHT (LBS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SF1710-10</td>
<td>1710 Offset Disc Harrow</td>
<td>13’ 10” (4.1)</td>
<td>28” &amp; 30” (711 &amp; 762)</td>
<td>21R</td>
<td>13’ (3.9 X 2.1)</td>
<td>11,430 (5,193)</td>
</tr>
<tr>
<td>SF1710-12</td>
<td>1710 Offset Disc Harrow</td>
<td>17’ 11” (5.4)</td>
<td>28” &amp; 30” (711 &amp; 762)</td>
<td>21R</td>
<td>15’ (4.6 X 2.1)</td>
<td>13,593 (6,169)</td>
</tr>
<tr>
<td>SF1710-14</td>
<td>1710 Offset Disc Harrow</td>
<td>21’ 5” (6.5)</td>
<td>28” &amp; 30” (711 &amp; 762)</td>
<td>21R</td>
<td>17’ 10” (5.3 X 2.1)</td>
<td>19,060 (8,650)</td>
</tr>
<tr>
<td>SF1710-16</td>
<td>1710 Offset Disc Harrow</td>
<td>24’ 11” (7.4)</td>
<td>28” &amp; 30” (711 &amp; 762)</td>
<td>21R</td>
<td>21’ 5” (6.5 X 2.1)</td>
<td>19,210 (8,720)</td>
</tr>
</tbody>
</table>

**1730 DISC HARROW SPECS**

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>DESCRIPTION</th>
<th>CUTTING WIDTHS</th>
<th>BLADE SIZES (IN)</th>
<th>NUMBER OF BLADES</th>
<th>TRANSPORT WIDTHS (IN)</th>
<th>WEIGHT (LBS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SF1730-10</td>
<td>1730 Offset Disc Harrow</td>
<td>13’ 10” (4.1)</td>
<td>28” &amp; 30” (711 &amp; 762)</td>
<td>21R</td>
<td>13’ (3.9 X 2.1)</td>
<td>11,430 (5,193)</td>
</tr>
<tr>
<td>SF1730-12</td>
<td>1730 Offset Disc Harrow</td>
<td>17’ 11” (5.4)</td>
<td>28” &amp; 30” (711 &amp; 762)</td>
<td>21R</td>
<td>15’ (4.6 X 2.1)</td>
<td>13,593 (6,169)</td>
</tr>
<tr>
<td>SF1730-14</td>
<td>1730 Offset Disc Harrow</td>
<td>21’ 5” (6.5)</td>
<td>28” &amp; 30” (711 &amp; 762)</td>
<td>21R</td>
<td>17’ 10” (5.3 X 2.1)</td>
<td>19,060 (8,650)</td>
</tr>
<tr>
<td>SF1730-16</td>
<td>1730 Offset Disc Harrow</td>
<td>24’ 11” (7.4)</td>
<td>28” &amp; 30” (711 &amp; 762)</td>
<td>21R</td>
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</tr>
</tbody>
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**1730 DISC HARROW SPECS**

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<tr>
<th>MODEL NUMBER</th>
<th>DESCRIPTION</th>
<th>CUTTING WIDTHS</th>
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<th>NUMBER OF BLADES</th>
<th>TRANSPORT WIDTHS (IN)</th>
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</tr>
</thead>
<tbody>
<tr>
<td>SF1730-22</td>
<td>1730 Offset Disc Harrow</td>
<td>13’ 10” (4.1)</td>
<td>28” &amp; 30” (711 &amp; 762)</td>
<td>21R</td>
<td>13’ (3.9 X 2.1)</td>
<td>11,430 (5,193)</td>
</tr>
<tr>
<td>SF1730-24</td>
<td>1730 Offset Disc Harrow</td>
<td>17’ 11” (5.4)</td>
<td>28” &amp; 30” (711 &amp; 762)</td>
<td>21R</td>
<td>15’ (4.6 X 2.1)</td>
<td>13,593 (6,169)</td>
</tr>
<tr>
<td>SF1730-26</td>
<td>1730 Offset Disc Harrow</td>
<td>21’ 5” (6.5)</td>
<td>28” &amp; 30” (711 &amp; 762)</td>
<td>21R</td>
<td>17’ 10” (5.3 X 2.1)</td>
<td>19,060 (8,650)</td>
</tr>
</tbody>
</table>

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Learn more on the web www.sunflowermfg.com
**HEAVY DUTY FRAMES** - The SF1800 Series frames are constructed of high strength 100x45 (3.94"") steel tubing to withstand the high stresses of aggressive tillage. It is cross braced and gusseted for added strength and troublefree service.

**RIGID OR SPRING CUSHION GANGES** - with 5/8" thick or notched disc blades. Available in 28” or 30” diameters the blade spacings are 11” or 13” depending on the model selected. The ganges are supported by 10”(2548) shafts revolving on 214 re-lube gang ball bearings fitted with lubrication fittings. The hardened steel spacers provide a continuous cleaning action.

---

**SF1810-16**
- **Model**: Spring Cushion Gang
- **Cutting Width**: 16’ (4.9 m)
- **Black Blades**: 30” (762 mm)
- **Number of Gangs**: 1
- **Blade Size**: 16” (406 mm)
- **Horsepower Required**: 111.2 HP (82.7 kW)
- **Estimated Weight**: 12,702 lbs. (5743 kg)

**SF1810-14**
- **Model**: Spring Cushion Gang
- **Cutting Width**: 14’ (4.3 m)
- **Black Blades**: 30” (762 mm)
- **Number of Gangs**: 1
- **Blade Size**: 16” (406 mm)
- **Horsepower Required**: 99.8 HP (74.4 kW)
- **Estimated Weight**: 11,520 lbs. (5230 kg)

**SF1810-12**
- **Model**: Spring Cushion Gang
- **Cutting Width**: 12’ (3.7 m)
- **Black Blades**: 28” (711 mm)
- **Number of Gangs**: 1
- **Blade Size**: 12” (305 mm)
- **Horsepower Required**: 88 HP (65 kW)
- **Estimated Weight**: 9359 lbs. (4242 kg)

**SF1830-30**
- **Model**: Rigid Gang
- **Cutting Width**: 29’ 9” (8.1 m)
- **Black Blades**: 30” (762 mm)
- **Number of Gangs**: 1
- **Blade Size**: 28” (711 mm)
- **Horsepower Required**: 135 HP (101 kW)
- **Estimated Weight**: 31,559 lbs. (14315 kg)

**SF1830-26**
- **Model**: Spring Cushion Gang
- **Cutting Width**: 26’ (7.9 m)
- **Black Blades**: 30” (762 mm)
- **Number of Gangs**: 1
- **Blade Size**: 28” (711 mm)
- **Horsepower Required**: 120 HP (89 kW)
- **Estimated Weight**: 28,666 lbs. (13457 kg)

**SF1830-22**
- **Model**: Spring Cushion Gang
- **Cutting Width**: 22’ (6.7 m)
- **Black Blades**: 30” (762 mm)
- **Number of Gangs**: 1
- **Blade Size**: 28” (711 mm)
- **Horsepower Required**: 111 HP (82.7 kW)
- **Estimated Weight**: 28,228 lbs. (12804 kg)

**SF1830-19**
- **Model**: Spring Cushion Gang
- **Cutting Width**: 19’ 10” (6.0 m)
- **Black Blades**: 30” (762 mm)
- **Number of Gangs**: 1
- **Blade Size**: 28” (711 mm)
- **Horsepower Required**: 109 HP (80 kW)
- **Estimated Weight**: 27,776 lbs. (12570 kg)

**SF1830-17**
- **Model**: Spring Cushion Gang
- **Cutting Width**: 17’ 10” (5.4 m)
- **Black Blades**: 30” (762 mm)
- **Number of Gangs**: 1
- **Blade Size**: 28” (711 mm)
- **Horsepower Required**: 104 HP (77 kW)
- **Estimated Weight**: 26,934 lbs. (12217 kg)

**SF1830-15**
- **Model**: Spring Cushion Gang
- **Cutting Width**: 15’ 10” (4.8 m)
- **Black Blades**: 30” (762 mm)
- **Number of Gangs**: 1
- **Blade Size**: 28” (711 mm)
- **Horsepower Required**: 101 HP (75 kW)
- **Estimated Weight**: 26,203 lbs. (11898 kg)

**SF1830-13**
- **Model**: Spring Cushion Gang
- **Cutting Width**: 13’ 10” (4.2 m)
- **Black Blades**: 30” (762 mm)
- **Number of Gangs**: 1
- **Blade Size**: 28” (711 mm)
- **Horsepower Required**: 97 HP (72 kW)
- **Estimated Weight**: 25,084 lbs. (11368 kg)

**SF1830-11**
- **Model**: Spring Cushion Gang
- **Cutting Width**: 11’ 10” (3.6 m)
- **Black Blades**: 30” (762 mm)
- **Number of Gangs**: 1
- **Blade Size**: 28” (711 mm)
- **Horsepower Required**: 91 HP (68 kW)
- **Estimated Weight**: 23,264 lbs. (10531 kg)

**SF1830-09**
- **Model**: Spring Cushion Gang
- **Cutting Width**: 9’ 10” (2.9 m)
- **Black Blades**: 30” (762 mm)
- **Number of Gangs**: 1
- **Blade Size**: 28” (711 mm)
- **Horsepower Required**: 84 HP (62 kW)
- **Estimated Weight**: 21,246 lbs. (9611 kg)

**SF1830-07**
- **Model**: Spring Cushion Gang
- **Cutting Width**: 7’ 10” (2.4 m)
- **Black Blades**: 30” (762 mm)
- **Number of Gangs**: 1
- **Blade Size**: 28” (711 mm)
- **Horsepower Required**: 75 HP (55 kW)
- **Estimated Weight**: 19,228 lbs. (8715 kg)

**SF1830-05**
- **Model**: Spring Cushion Gang
- **Cutting Width**: 5’ 10” (1.8 m)
- **Black Blades**: 30” (762 mm)
- **Number of Gangs**: 1
- **Blade Size**: 28” (711 mm)
- **Horsepower Required**: 67 HP (50 kW)
- **Estimated Weight**: 17,210 lbs. (7804 kg)

**SF1830-03**
- **Model**: Spring Cushion Gang
- **Cutting Width**: 3’ 10” (1.1 m)
- **Black Blades**: 30” (762 mm)
- **Number of Gangs**: 1
- **Blade Size**: 28” (711 mm)
- **Horsepower Required**: 59 HP (44 kW)
- **Estimated Weight**: 15,192 lbs. (6899 kg)

**SF1830-01**
- **Model**: Spring Cushion Gang
- **Cutting Width**: 1’ 10” (0.5 m)
- **Black Blades**: 30” (762 mm)
- **Number of Gangs**: 1
- **Blade Size**: 28” (711 mm)
- **Horsepower Required**: 51 HP (38 kW)
- **Estimated Weight**: 13,164 lbs. (5999 kg)

**We are continually striving to improve our machines; therefore, these specifications are subject to change without notice.**
Iowa farmer Rich Deist isn’t the first to boast about the performance of a Sunflower 1000 Series disc harrow. However, Deist also insists that his Sunflower 1435 has earned him more business. In addition to farming approximately 850 acres of corn and soybeans of his own, Deist has a trucking business, as well as a custom-farming venture that provides planting, tillage and harvesting on another 600 to 900 acres.

“I just bought the Sunflower disc last year,” he relates. “But after some of my customers saw how good of job it did, I picked up another 250 acres of discing after I thought I was finished. On the other hand, the reason I bought the Sunflower unit in the first place was because a neighbor who farms around 4,000 to 5,000 acres had one. I saw what kind of job it did on his farm and thought, ‘Oh yeah, I’ve got to have one of those.’ ”

Deist says all he does to prepare for spring planting on his own farm is disc corn stubble in the fall with the 1435, follow with anhydrous ammonia and seed the next crop in the spring. Meanwhile, fields that were previously yielded soybeans are planted no-till.

“Sometimes, fields that were previously yielded soybeans are planted no-till. “I haven’t seen anything on the market that will do the job that the Sunflower disk does,” he says. “In fact, before I bought a Sunflower, I rented a disc built by one of the major tractor brands, and it didn’t do half the job this one does.”

“When you have a light-weight disc, it just knocks the stalks over,” he insists. “With the technology we have in corn hybrids right now, you have to bury those stalks to get them to rot. That’s why I’ve gone with a tillage program that calls for discing corn fields before winter.”

Compounding the problem is the fact that Deist plants up to 36,000 seeds per acres on his corn acres.

“The more corn you put out there, the more you’re going to bring in at harvest,” he believes, noting that corn typically yields in the range of 230 to 240 bushels per acre. Of course, that means a lot of leaves and stalks to deal with after harvest.

“The Sunflower disc not only sizes the stalks, but it literally buries them,” he continues. “Everybody thinks you have to use a field cultivator in the spring after you’ve disced in the fall; but I don’t. I end up with such a mellow seedbed I don’t see any reason to do anything else.”

Naturally, that just leaves Deist with more time to do custom farming for other area farmers … or to truck a load of rock, gravel or grain with his fleet of tractor-trailers.

“I tell people I’m a jack of all trades and a master of none,” he jokes. However, some of Deist’s customers would probably disagree. If they weren’t happy with his work, they wouldn’t be calling to add even more.
1000 SERIES DISC HARROWS

1212 | 1234 | 1435 | 1444 | 1544 | 1550 | 1710 | 1730 | 1810 | 1830

SUNFLOWER. THE ULTIMATE ANSWER.