MOWER COMBINATION
SILVERCUT DISC C

Mower combinations are suitable for larger farms and contractors that require high efficiency, durability, and low maintenance costs.

CSS (collision safety system)
Hydraulic float (hydropneumatic suspension)
Hydraulically aided stabilization of cutter bars
Finger or rubber roller conditioner
QCS (quick change system)
DDSS (disc drive safety system)

Direct drive to the first disc via a PTO shaft, angle drive and double universal joint.

In the event of a collision with an obstacle, the protection is immediately released. Due to the special position of the hinge, the cutter bar simultaneously moves backwards and upwards. After colliding with the obstacle, the cutter bar automatically returns into the operating position.

Hydraulically aided stabilization of cutter bars enables sequential lift of the cutter bar. First the inside of the cutter bar is lifted and afterwards the outside of the cutter bar.
The SILVERCUT DISC C mower combination has only one goal: ensure the highest possible quality in the shortest possible time.

By combining the mowers the output is significantly higher. That is why the mower combination is intended for large scale farming and professional contractors.

If we take into account that the mower combination is capable of mowing up to 15 ha/h, we truly believe that this machine will satisfy the needs of even the most demanding users.
Daily work on the grass fields requires reliable machinery. Our robust and durable disc mowers with an outstanding hydropneumatic suspension system ensure a precise cut and clean high quality forage. Perfect stability, quick adaptability and easy maintenance are their main attributes.
Hydropneumatic suspension system ensures a precise cut and clean high quality forage. Easy and hassle free mowing on all types of terrain and in all conditions. The relief rate can be easily and quickly adjusted before and during mowing.

**SILVERCUT TECHNOLOGIES**

**HYDROPNEUMATIC SUSPENSION**

Comparison of weight distribution between hydropneumatic suspension system (blue) and spring suspension system (orange) at different vertical positions of the cutter bar.
ADAPTATION TO THE TERRAIN

Consistent adaptation to the terrain provides even cut and clean forage. The field is evenly mown leaving grass structure undamaged.

The maximum angle of adaptation to the terrain is -15° and +35°.

S-FLOW

S-FLOW linkage is based on the innovative design of the mower mounting cutter bar. The response of the linkage system not only guide the cutter bar perfect to the terrain, but also in combination with the hydropneumatic suspension cares for the even ground pressure and clean cut across the field.

The maximum angle of adaptation to the terrain of S-FLOW linkage is -6° and +14°.

Excellent kinematics lead to perfect adaptation to the terrain. Which offers efficient mowing and lowers the contamination of the fodder.

The maximum angle of adaptation to the terrain is ± 28°.
SILVERCUT TECHNOLOGIES
CUTTER BAR

While mowing it is important to get the cut grass behind the cutter bar as fast as possible so the forage flow is not obstructed. For this reason we have designed the cutter bar with specially shaped discs which ensure a **fast and efficient forage flow** over the cutter bar even on sloped terrain.

1. **The specially shaped discs.** made of 4 mm wear resistant HARDOX steel, ensure excellent forage flow and long lifespan of the components.

2. Overload protected cutter bar with DDSS system (disc drive safety system). The system consists of an intermediate flange with four shear pins, which break in case of an overload to prevent damage to the rest of the gears. This design of the DDSS allows to change pins quickly and easily so as little time as possible is wasted.

3. The disc drive shaft is **rigidly mounted** to the cutter bar via a double closed bearing enabling it to withstand larger loads. Long life span of the cutter bar is ensured.

4. The spring of the QCS (quick change system) allows the blade to retract upon impact with an obstacle. Blade holders can be individually replaced.

5. To reduce the amount of impurities in the fodder the surface area of the skids must be as large as possible. For this purpose we use a specially designed **wear-resistant cold pressed HARDOX skids** to ensure the optimum contact surface between the skids and the terrain.
**DISC DRIVE SAFETY SYSTEM - DDSS**

In year 2007 SIP developed a new generation of cutter bar, in which the DDSS was incorporated for the first time. Since then no warranty claim has been filed regarding the cutter bar.

- Nut M32
- Spring washer
- Inner flange
- 4 shear pins
- Outer flange
- Drive shaft with gear
- Bearing housing

4 brass pins ensure unimpeded work in case of a disc overload. Shearing of the brass pins absorbs the force and leaves the cutter bar intact.

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**DISC ROTATION COMBINATIONS**

- **Towards centre**
  Enables a narrower swath for coping with extremely sloped terrains.

- **Paired**
  Discs rotating in pairs ensure a quick and efficient forage flow over the cutter bar.

- **Combined**
  Combined disc rotation for optimum feed flow and swath width.

The correct disc rotation combination is determined by further processing of fodder needs.
Adjustable intensity of conditioning
Durable plastic, Y-shaped fingers reduce damage to grass and help maintain higher nutrition values.

The use of finger conditioners reduces the risks due to bad weather, shortens the drying process and enhances the quality of the forage. Conditioning also reduces the energy needed by up to 10% for the preparation and harvesting of the forage.
RUBBER ROLLER CONDITIONER

Continuously adjustable conditioning pressure helps to maintain high nutrition values of lucerne grass. Small rubber segments on rollers make maintenance easier, cheaper and faster.

With the use of rubber rollers we reduce the difference in drying time between the leafs and stems of alfalfa. The stems are thicker and tend to dry up to 3 to 5 times slower than leafs. The rubber rollers press the stems releasing the moisture thus speed up the drying process.
## TECHNICAL DATA

### SILVERCUT DISC C - MOWING COMBINATION

<table>
<thead>
<tr>
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<th>800 C RC</th>
<th>900 C</th>
<th>900 C FC</th>
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<tr>
<td><strong>Working width (m)</strong></td>
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<td><strong>Number of discs</strong></td>
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<td><strong>Number of blades</strong></td>
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<td><strong>Blade dimensions (mm)</strong></td>
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<td><strong>Disc rotation speed (rpm)</strong></td>
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<td><strong>PTO rotation speed (rpm)</strong></td>
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<td><strong>Required tractor power (kW/HP)</strong></td>
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<td><strong>Capacity (ha/h)</strong></td>
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<td><strong>Cutting height (mm)</strong></td>
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<td><strong>Swath width (m)</strong></td>
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<td><strong>Transport width (m)</strong></td>
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## EQUIPMENT

### Attachment

- 3-point linkage Cat. II & III

### Drive

- Angle drive, PTO shaft and double universal joint

### Collision safety system

- S

### Suspension

- Hydraulic

### PTO shaft

- Friction safety clutch and free wheel clutch

### Hydraulic connection

- 1 x one-way hydraulic connection (1EW)
- 1 x two-way hydraulic connection (1DW)

### QCS (quick change system) with QCS tool

- S

### Spare blades

- S

### Shear safety pins

- S

### Foldable protective curtains against flying debris

- S

### Swath wheels - outer/inner

- +

### Wear skids

- +

### Topping skids

- +

### Additional swath cone

- +

### Disc extension

- +

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<th>ADDITIONAL EQUIPMENT</th>
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