The Schumacher Cut

For a safe, efficient and profit-yielding harvest

Simply a good cutting system
Guard

Efficient material flow. Better cut.

Guard until 2009

Easy Cut II
Guard 2010

- flatter + wider ridge
- square hole
- more space for material flow
- Closed profile in the back

Advantages.

Higher vertical + lateral stability

- Double bevelled edges, better guidance of knife

Slightly closed skeleton construction

- No further adjustments necessary after mounting

[The Original.]
**Guard**

**Types and item no. guards**

### Double guard

![Double guard image]

<table>
<thead>
<tr>
<th>x index</th>
<th>Double guard type</th>
<th>xxxxx x xx item no</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>12 mm black</td>
<td>16500.01</td>
</tr>
<tr>
<td>4</td>
<td>14 mm red brown</td>
<td>16501.01</td>
</tr>
<tr>
<td>7</td>
<td>17 mm light grey</td>
<td>16502.01</td>
</tr>
</tbody>
</table>

### Triple guard

![Triple guard image]

<table>
<thead>
<tr>
<th>x index</th>
<th>Triple guard type</th>
<th>xxxxx x xx item no</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>12 mm black</td>
<td>16503.01</td>
</tr>
<tr>
<td>4</td>
<td>14 mm red brown</td>
<td>16504.01</td>
</tr>
<tr>
<td>7</td>
<td>17 mm light grey</td>
<td>16505.01</td>
</tr>
</tbody>
</table>

### First double guard v/o

![First double guard v/o image]

<table>
<thead>
<tr>
<th>x index</th>
<th>First guard type</th>
<th>xxxxx x xx item no</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>12 mm black</td>
<td>10701.01</td>
</tr>
<tr>
<td>4</td>
<td>14 mm red brown</td>
<td>10702.01</td>
</tr>
<tr>
<td>7</td>
<td>17 mm light grey</td>
<td>10703.01</td>
</tr>
</tbody>
</table>
Wear of guards. Control of clearance.

Guards must be controlled in regular intervals. A new guard has a clearance of 3,8—4,2 mm.

A wear over 5,4 mm allows the knife to float. The rounded counter-edges do not give a support anymore. The guard must be replaced.

Control of wear when replacing the guards

Control also the wear plates, when replacing the guards. If the wear is too big, the sections tip over. As a result also the guards wear faster.
Roller guide

Retrofitting of roller

R1 top-guided

The top-guided roller
The top-guided roller R1 keeps the section straight against the pulling forces in the cutting gap

Item no. 16330

R2 bottom-guided

The bottom-guided roller
In combination with the top-guided roller the bottom-guided roller R2 improves the knife guidance. This means a smoother running of the cutting system and a relief to the knife drive.

Item no. 15768

[The Original.]
Wear plate

The new combi plate.

In the new, shorter version the plate can be used as a guidance as well as a spacer.

<table>
<thead>
<tr>
<th></th>
<th>Thickness</th>
<th>Mass-X-</th>
<th>Item no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4 mm</td>
<td>256 mm</td>
<td>10741.01</td>
</tr>
<tr>
<td></td>
<td>5 mm</td>
<td>256 mm</td>
<td>10742.01</td>
</tr>
<tr>
<td></td>
<td>6 mm</td>
<td>256 mm</td>
<td>10743.01</td>
</tr>
<tr>
<td>B</td>
<td>4 mm</td>
<td>180 mm</td>
<td>17014.01</td>
</tr>
<tr>
<td></td>
<td>5 mm</td>
<td>180 mm</td>
<td>17015.01</td>
</tr>
<tr>
<td></td>
<td>6 mm</td>
<td>180 mm</td>
<td>17016.01</td>
</tr>
<tr>
<td>C</td>
<td>4 mm</td>
<td>104 mm</td>
<td>17011.01</td>
</tr>
<tr>
<td></td>
<td>5 mm</td>
<td>104 mm</td>
<td>17012.01</td>
</tr>
<tr>
<td></td>
<td>6 mm</td>
<td>104 mm</td>
<td>17013.01</td>
</tr>
</tbody>
</table>
Sections suitable for all conditions

The Pro Cut section is available in fine, coarse and 7-inch serration for various operating conditions and crops.

<table>
<thead>
<tr>
<th>Section</th>
<th>Item no.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>fine 14 tpi</td>
<td>10966</td>
<td>14 tpi = 14 teeth per inch means 25 teeth on the whole edge</td>
</tr>
<tr>
<td>coarse 11 tpi</td>
<td>10961</td>
<td>11 tpi = 11 teeth per inch means 19 teeth on the whole edge</td>
</tr>
</tbody>
</table>

Control in time.

Wear control on section

If the teeth taper, the section is erroneously considered as being sharp. In reality the crop is speared and not cut and will be pulled into the guard.

If the teeth are round, the section is dull. The crop is not cut properly anymore.

[The Original.]
Section PRO CUT

Perfectly adopted to Schumacher Easy Cut cutting system.

Various teeth forms for various crops and operating conditions.

Balanced cutting forces due to alternate cutting system (balance of top- and bottom-cutting sections).

Cleaning edge for a clean cut.

The "kidney-shaped" holes remove easily particles of dirt out of the cutting gap.

Easy mounting. Safe connection.

The Schumacher screws with conical shank interlock with the knife back. Secure fixing of the sections, no wobbling.

Easy replacement of sections during repair.

[The Original.]
**Sectional knife**

**Easily supplied, stocked, mounted.**

Schumacher sectional knives are packed in cardboards of 2,60 m and can be transported easily and inexpensively.

**Easy handling of single knife parts.**

*No adjustments of* connecting ends on the knife back

**Connection kit.** bolted easily and safe.

**Sectional knife parts.** Easy transport. Easy storage.

<table>
<thead>
<tr>
<th><strong>Knife parts</strong></th>
<th><strong>Item no.</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>A Connection kit 10 holes</td>
<td>16831</td>
</tr>
<tr>
<td>B Connection strip</td>
<td>16134</td>
</tr>
</tbody>
</table>

[The Original.]
Easy Cut II Types

The basic equipment.
With the basic set you get all proven elements for a clean cut. You benefit of the new Easy Cut II developments. The roller guide can be retrofitted at any time.

Comfort
+ every second ft. a top-guided roller

The top-guided roller.
The plus for a straightly running knife means less wear for sections and guards. We recommend the top-guided roller for all known combine types and cutting widths.

Premium
+ every ft. alternately a top- and a bottom-guided roller

The doubled roller.
The additional plus of the bottom-guided roller means less friction for the knife guidance. We recommend the bottom-guided roller for cutting widths starting from 6 m. Not usable on all combine types.
The Schumacher crop lifter runs longer. The safety and durability is a matter of details.

Standard crop lifter 2010

1. Closed slim profile
2. Curved skid
3. Item no. 16445.01
4. Also curved under the fixing shoe, reliefs the rivets

Concave curved skid. Higher durability

<table>
<thead>
<tr>
<th>Type</th>
<th>Item no.</th>
</tr>
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<tbody>
<tr>
<td>ASK-100</td>
<td>16445.01</td>
</tr>
<tr>
<td>ASK-120</td>
<td>16587.01</td>
</tr>
<tr>
<td>ASK-127</td>
<td>16589.01</td>
</tr>
</tbody>
</table>

[The Original.]
Pro Drive Gear

Optimal transmission of forces.
For an absolutely straight, low-wearing knife movement.

The Pro Drive gear is designed as a planetay gear. Hereby a straight movement of the knife is guaranteed. The knife stroke remains constantly also after many operating hours and do not wear. Constructed as horizontal or vertical drive in its current modular version.

Coherent transmission of forces from drive to knife head