SPECIALISTS

“For reliable use when harvesting.”

Norbert, 42, farmer

USED WORLDWIDE

As a partner and OEM of leading manufacturers in the field of agricultural technology, Optibelt offers drive solutions that drive agriculture itself. Our drive components are not only extremely smooth running with efficient power transmission, but are also environmentally friendly. The optibelt AGRO POWER product series will not let you down when it really counts.
During the last recent decades, leading agricultural machinery manufacturers such as Claas have made quantum leaps on the technical front and reached incredible levels. With each new model, more performance and even more efficient technology is in demand. This task is quite a challenge for mechanical designers and therefore represents a prime discipline for Optibelt. For example, in Claas combine harvesters, the threshing system and the unloading of grain tank are furnished with the performance level they require by using Optibelt high performance belts.

With a history going back 130 years, Kverneland has not only set milestones in the production of agricultural machinery, but has also relied on quality belts by Optibelt. After an extensive test phase, a decision was made to use a maintenance-free high performance wedge belt by Optibelt. Since 2013, the Kverneland mulcher FRH is now driven by a quality product made by Optibelt. By changing over to optibelt RED POWER, engineers have achieved perfect transmission at maximum power.
WHAT DRIVES US

In the field of agricultural technology, specialists are required.

1. **COMBINE HARVESTER**
The combine harvesters of today are more than simple grain harvesters. In addition to productivity, in particular, diversity and reliability play a crucial role.

2. **FIELD CHOPPER**
The multi-talent among harvesters. Whether maize, grass or lucerne, the requirements placed on field choppers are continually growing.

3. **MOWER**
Today, in addition to fuel consumption, maintenance effort and ground following systems, perfect power transmission in particular is really what counts.
Today’s agriculture is characterised by rapid development and a continuous innovation flow. Larger, faster, further – and that at a maximum level of efficiency. The technology of sophisticated machines is becoming ever more demanding and therefore, engineers, scientists and researchers are always going beyond the limits of what is possible. It is first possible through perseverant drive components requiring a minimum level of maintenance, a great level of durability, and optimal power transmission.

5. CARROT HARVESTER
Harvesters must not only be productive, but also have to be gentle to the crops harvested. In this connection, the right belt plays a crucial role.

4. MULCHER
No matter if dealing with work performed on fallow lands or landscape management. The perfect mulching mower provides a clean cut, requires a low level of pulling power, and is gentle to the ground.

6. TRACTORS
The draught horse and, at the same time, the driving power in agriculture. Here, only 100-percent reliability counts.

7. FORAGE WAGON
The pickup among harvesters. It provides an optimal means of collecting the harvested crops.
**optibelt VB**

CLASSIC V-BELTS AND KRAFTBANDS

<table>
<thead>
<tr>
<th>DIMENSIONS</th>
<th>ADVANTAGES AND CHARACTERISTICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>A/13 437–5030 mm</td>
<td>• optimal running characteristics</td>
</tr>
<tr>
<td>B/17 610–7140 mm</td>
<td>• abrasion resistant cover fabric</td>
</tr>
<tr>
<td>C/22 1148–8058 mm</td>
<td>• special drives are feasible, such as V-flat drives</td>
</tr>
<tr>
<td>D/32 2075–11 275 mm</td>
<td>• variety of special constructions</td>
</tr>
<tr>
<td>E/40 3080–12 580 mm</td>
<td>• up to 97% efficiency</td>
</tr>
</tbody>
</table>

Other profiles + dimensions on request

**optibelt SK**

HIGH PERFORMANCE WEDGE BELTS AND KRAFTBANDS

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</thead>
<tbody>
<tr>
<td>SPZ 487–3550 mm</td>
<td>• wrapped wedge belts with abrasion resistant cover fabric</td>
</tr>
<tr>
<td>SPA 732–4500 mm</td>
<td>• up to 97% efficiency</td>
</tr>
<tr>
<td>SPB 1250–8000 mm</td>
<td>• variety of special constructions</td>
</tr>
<tr>
<td>SPC 2000–12 500 mm</td>
<td>• high level of power transmission</td>
</tr>
<tr>
<td>3V/9N 25–140 inches</td>
<td>• V-belts also in reliable S=C Plus quality</td>
</tr>
</tbody>
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Other profiles + dimensions on request

**optibelt MARATHON 1**

V-BELTS

<table>
<thead>
<tr>
<th>DIMENSIONS</th>
<th>ADVANTAGES AND CHARACTERISTICS</th>
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<tbody>
<tr>
<td>X 10–X 22; AVX 10–AVX 13</td>
<td>• highly durable</td>
</tr>
<tr>
<td>The AVX 10 and AVX 13 profiles in their cross sections and dimensions are compliant with DIN 7753 part 3 and the standards ISO 2790 and SAE.</td>
<td>• high efficiency</td>
</tr>
<tr>
<td></td>
<td>• low-maintenance operation</td>
</tr>
<tr>
<td></td>
<td>• very smooth running</td>
</tr>
<tr>
<td></td>
<td>• outstanding tension behaviour</td>
</tr>
</tbody>
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Other profiles + dimensions on request

**optibelt VARIO POWER/VS**

VARIABLE SPEED BELTS

<table>
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<th>DIMENSIONS</th>
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</tr>
</thead>
<tbody>
<tr>
<td>13 x 5–70 x 18 468–2500 mm</td>
<td>• high level of power transmission</td>
</tr>
<tr>
<td>1422 V–4436 V 235–750 inches</td>
<td>• highly durable</td>
</tr>
<tr>
<td>HI–HQ 1200–3550 mm</td>
<td>• very smooth running, also in the case of high belt speeds</td>
</tr>
<tr>
<td>&gt; 3550 mm on request</td>
<td>• high level of flexibility</td>
</tr>
<tr>
<td></td>
<td>• optimised heat emission</td>
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</tbody>
</table>

Other profiles + dimensions on request
### optibelt AGRO POWER VB/SK/KB
**V-BELTS AND KRAFTBANDS**

**V-GROOVED AND KRAFTBAND PULLEYS**
- All standard pulleys, special pulleys on request

**DIMENSIONS**
- In order to make a comparison, all common part numbers can be found in our current reference catalogue, AGRO POWER.

**ADVANTAGES AND CHARACTERISTICS**
- Excellent level of operational safety
- Optimal running characteristics
- Balanced power transmission
- Extensive assortment
- Environmentally friendly

### optibelt AGRO POWER BKR
**VARIABLE SPEED BELTS**

**V-GROOVED PULLEYS**
- All standard pulleys, special pulleys on request

**DIMENSIONS**
- In order to make a comparison, all common part numbers can be found in our current reference catalogue, AGRO POWER.

**ADVANTAGES AND CHARACTERISTICS**
- High level of power transmission
- Highly durable
- Very smooth running
- High level of flexibility
- Environmentally friendly
- Extensive assortment

### optibelt AGRO POWER RB
**RIBBED BELTS**

**RIBBED BELT PULLEYS**
- Standard range, special pulleys on request

**DIMENSIONS**
- In order to make a comparison, all common part numbers can be found in our current reference catalogue, AGRO POWER.

**ADVANTAGES AND CHARACTERISTICS**
- Good traction and high capacity
- Low levels of noise and vibrations
- High belt speed possible
- Highly flexible for serpentine belt drives for example
- Environmentally friendly

### optibelt VB PKR
**COMBINE HARVESTER BELTS**

**V-GROOVED PULLEYS**
- All standard pulleys, special pulleys on request

**DIMENSIONS**
- Profiles + dimensions on request

**ADVANTAGES AND CHARACTERISTICS**
- Ensures an excellent grip
- Resistant against external influential factors such as sand or stones
- Reinforced fabric providing excellent power transmission and a maximum protection against wear
- Reduced maintenance costs

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THE OPTIBELT TEAM FOR DEVELOPMENT, APPLICATIONS AND SERVICE

SOFTWARE TOOLS AND SPECIALIST CONSULTING
Optibelt’s free CAP software allows users to quickly and easily calculate their specific drives. For more complex drive systems, CAP Professional gives users the ability to perform detailed variable calculations. CAP’s efficiency calculator will also compare available drives with those already optimised.

SERVICE SUPPORT
To make sure that all machines run reliably, Optibelt also offers personal support in drive assembly, maintenance and service on site around the world. Optibelt’s broad range of tools, measuring devices and service tools allow for easy drive optimisation, maintenance and repair.

OPTIBELT CUSTOM PRODUCTS
Optibelt offers custom high-performance products for all applications: Customised products are designed to precisely meet customer’s drive application requirements. Optibelt engineers develop tailored drive solutions for superior efficiency and safety.

Optibelt application engineers are always available to provide advice to customer’s operations around the world. They can assist in optimising the drives for entire plant operations.

Optibelt GmbH
Corveyer Allee 15
37671 Höxter
GERMANY
T +49 (0) 52 71 - 6 21
F +49 (0) 52 71 - 97 62 00
E info@optibelt.com

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