

# Parts for agricultural machinery

Customized belting solutions, for a perfect fit

Custom made  
specifications



All spare belts for agricultural equipment can be obtained from the OEM's. However, a large part of end-users choose to purchase spare parts from local dealers. Reasons for this is local availability, but often customers wish to realize modifications to conveyor belting, or driving sprockets to address specific customer wishes.

# Parts for agricultural machinery

High quality materials and expertise



OEM's must limit the number of options and executions of a standard program. For this reason, End-users modify, or adapt machinery themselves in order to realize customer specific wishes. It is understandable that OEM's only supply spare parts, as these are mounted on the original equipment. For customized solutions, users are dependent on alternative suppliers: Broekema is market leader in the supply of Crop conveyor belting, independent of producers and capable to supply belting products for all brands, makes, year and variation.

For end-users it is very difficult to distinguish quality differences between different makes of conveyor belting. All rubber is black and all rods look the same. The quality of tractions belts varies strongly, depending on rubber compound, fabric construction and adhesion of

rubber covers to the fabric layers. Rods can be made from regular steel, or out of more expensive spring steel qualities. Depending on alloy, production method and heat treatment, rods are more abrasive resistant or more resistant to bending and breaking.

A Broekema product is a guarantee for high quality raw materials, advanced production technology and a controlled production process, combined with expertise of the market, products and applications.



## Broekema: the best choice for spare parts

- Independent and familiar with all brands and specifications
- Worldwide support of our sales and technical staff for advise and training
- Over 50 years experience in rod conveyor belting and harvesting applications
- Flexible and innovative with requirements for customization
- Full range of steel grades, vulcanizations, traction belting and accessories.
- Multi-lingual customer support team to assist and support customers from inquiry to shipping
- Product expertise by developing all components and raw materials in-house, or within the group of companies
- Independent from machine builders and objective in the development of specials
- Transparent and reliable in our dealings

### Highlights from product range

We have been working intensively on the production of "genuine" OEM parts. There an increasing demand for these parts, and we would like to give you an overview regarding the parts that will be available.

### Steel rods

Rods can be produced from many different grades of steel. Broekema only works with highest qualities from reliable suppliers. A spring steel is much better resistant to bending and/or breaking than ordinary steel grades. Broekema is unique with an in-house heat treatment that hardens steel through-and-through. Alternative suppliers can provide hardened rods, but forging the rods will cause the material to drop in strength when heated again: this is often in areas where more strength is required.



With a welding robot, Broekema can guarantee a constant quality of the welding: with this we ensure 100% reliability for cleats and accessories, reducing the risk of down time during harvesting. With more than half a century experience in harvesting of potato, sugarbeet, carrots, tomato and other products, Broekema offers the largest variety in vulcanizations, pintle profiles, rod covering and cleat-solutions.





### Traction belts

Broekema's standard program comprises a large variety of different traction belts for crop conveyor belting. Depending on application the choice can be made based on:

- Breaking strength,
- Load/elongation characteristics
- Cam profile high/low
- Single or double profile
- Trapezium or parabolic profile.



Please contact our belting experts to assist you in your choice.

### Improved KS-Clips

In order to mount rods to a center traction belt, we can make use of clips: the 2014 design is improved in how the rod rests in the clip and how the clip bends around the rod. Superior clamping will result in less turning of the rod in the clip, prolonging life expectancy and improving reliability of the belt in total.



KS clips are available for rods with diameters of 9, 10, 11 & 12 mm.

## Fasteners with wearable bushings

Belt clips with bushings that have a longer life expectancy. The belt clips are made of hardened steel, and the connecting rod is also of an increased hardness compared to the bushings in the clip. This results in wear in the bushings, while the rod and clips remain in good condition. The bushings are easily replaced if needed by loosening the screws, bringing the clip back in good condition with little cost and effort.

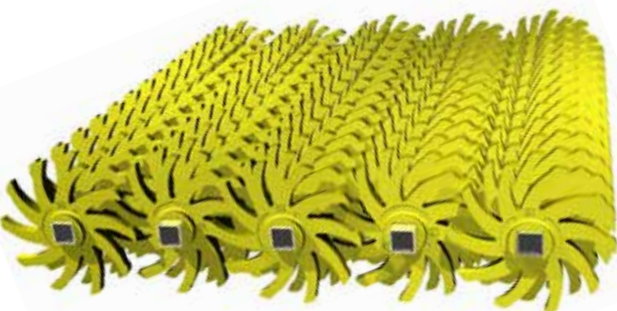
Bushing clips (BS-clips) are available in the following versions:



- Pitch 28
- Pitch 32
- Pitch 35
- Pitch 40
- Pitch 45
- Pitch 50

## Screening stars

Within the Jäger Group of Companies, Broekema has a large number of plastic components available. With a variety of production methods at our disposal we can always find an optimal solution between price and quantity. This is how we realize quality products for reasonable pricing. Our cleaning stars, for example, are produced by one of our sister companies with an improved design. According to users, the Broekema screening stars are showing increased life time compared to the original ones.



## Hedgehog pintle profiles

Pintle profiles are supplied in two options. Depending on use and application, the V- or H-shaped pintles are preferred.

H-shaped profiles are used often in horizontal applications: as this geometry carries the product more on top of the pintles, the product can still roll across the surface of the belt, to a certain degree, while rocks and stones are pressed between the pintles. H-shaped profiles show an open structure, resulting in better sieving properties and allow for change in the direction of the product flow.



V-shaped pintle profiles tend to have better incline capacities and are more aggressive in dragging along haulm and grass.

Both profile shapes are available on round rods, resulting in a combination of weight reduction, optimal stability and sieving properties. If an application calls for a more open surface, a few other options are pintle profiles on a metal strip (e.g. 30x4), or pintle mats.





## Support

Aside from customized solutions, Broekema supplies belting for all brands, as per customer's wishes. Our experience and extended databases enable us to complement our customers knowledge with more than 50 years of experience in belting products.

## Innovation

Knowledge of applications and materials allow Broekema to advise in different solutions and make combinations of other existing solutions. Not only are our experts well aware of all existing products, our engineering staff has a strong focus on the use of new techniques and materials.

## One-stop-shop

Broekema is specialist in rod conveyor belting and supplies all accessories and components affiliated with the conveyor belt. For many years, Broekema is active in many markets and industries around the world.

## Quality

Broekema does not compromise in the selection of suppliers and raw materials or components. Only top quality is used to produce our belting products and suppliers are expected to match our knowledge and expertise. The most critical raw materials are developed and produced within the Jäger Group of companies.

## Reliability

Broekema is transparent, clear and independent. With this, we are objective in our advice to customers.

## Expertise

More than 50 years of experience in all agricultural applications have brought Broekema a preferred supplier for most OEM's. Our R&D department with highly educated engineers, our experts with knowledge of metals, rubber and plastics make Broekema a reliable consultant for your belting queries. Expertise is a guarantee for a correct product choice.