

Busatis Quality Segmented Knife Assembly System

Busatis develops and manufactures **quality segmented knife assembly systems** according to the **specifications of our customers**. The products are made of special alloy tool steel. Busatis delivers **quality segmented knife assembly systems** to the leading manufacturers of agricultural machinery.

Advantages of the Busatis quality segmented knife assembly system:

- ▶ replacement of regular long knives without changing the cutter bar
- ▶ simple replacement of individual sickle sections by screw fittings
- ▶ low risk of bending
- ▶ little expenditure in storage, packing, and transport
- ▶ either with or without zone-hardened knife back



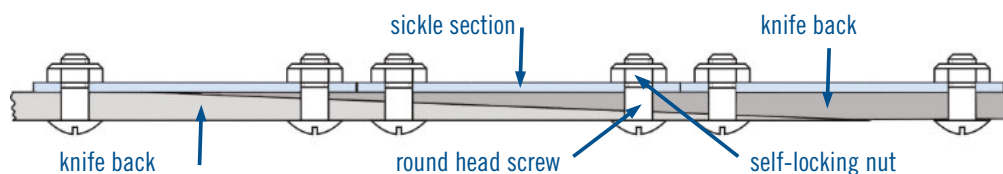
Segmented Knife Assembly System

Long knife assemblies, which have to be transported even to remote regions, cause considerable expenditure in storage, packing, and transport. Additionally, there is a risk that the knife backs bend or break.

So, Busatis developed the segmented knife assemblies which allow putting together the knife segments of compact length right before use. In order to obtain this, the beveled backs of the knives are screwed together, using the same screw holes and screws which hold together the sickle sections and the knife backs. So, the replacement of regular long knives without changing the cutter bar is possible. Even replacing knives in big cutting units is possible in the field.

Knife assemblies can be used without changing the cutter bar.

- ▶ high cutting performance due to chrome alloy and great hardness in the cutting area
- ▶ little risk of breaking due to special alloy tool steel and exactly defined hardness area in the cutting area
- ▶ high bending strength due to cold rolled steel strip and specific heat treatment techniques
- ▶ easy assembly due to dimensional accuracy and smooth surfaces



| Areas of use | Type of sickle section | Advantages |
|-------------------------------------|--|------------------------|
| fine grass | smooth sickle section | low risk of blockage |
| ordinary grass | sickle section with serration at the bottom | regrinding is possible |
| grain | sickle section with serration at the top ("fine") | self-sharpening |
| grain and grass with stalk | sickle section with serration at the top „regular“, „medium“ | aggressive serration |
| coarse, dry grass, rocky conditions | sickle section with serration at the top „coarse“, „xcoarse“ | aggressive serration |

Production and Quality: Busatis manufactures its products on the most modern, automated, and robot controlled systems and meets the strictest quality specifications by making use of its **expertise** and **technical equipment**. Busatis is able to manufacture **all products with consistent high quality**.

