

Busatis Quality Patented 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 leading manufacturers of agricultural machinery.

Advantages of the Busatis quality patented segmented knife assembly system:

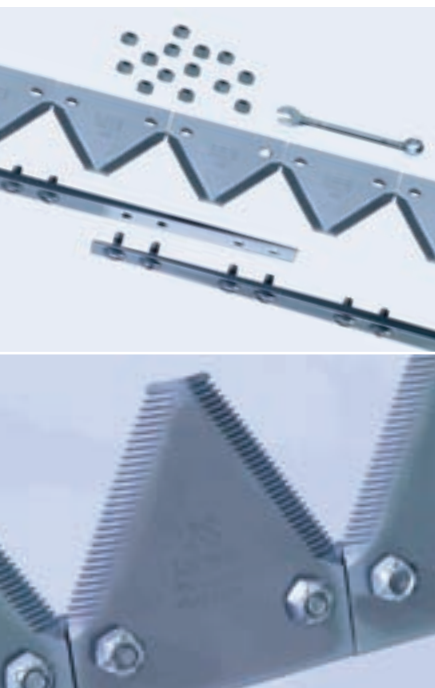
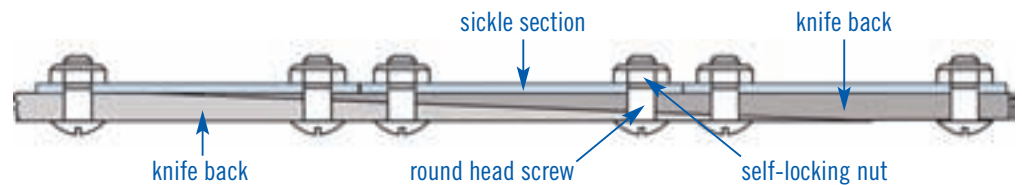
- ▶ replacement of regular long knives without changing the cutter bar
- ▶ simple replacement of individual sickle sections by screw fittings
- ▶ low risk of bending
- ▶ little expenditure in storage, packing, and transport
- ▶ either with or without zone-hardened knife back

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 of course meets the strictest quality specifications. Making use of its **expertise** and **technical equipment**, Busatis is able to manufacture **all products in consistently high quality.**