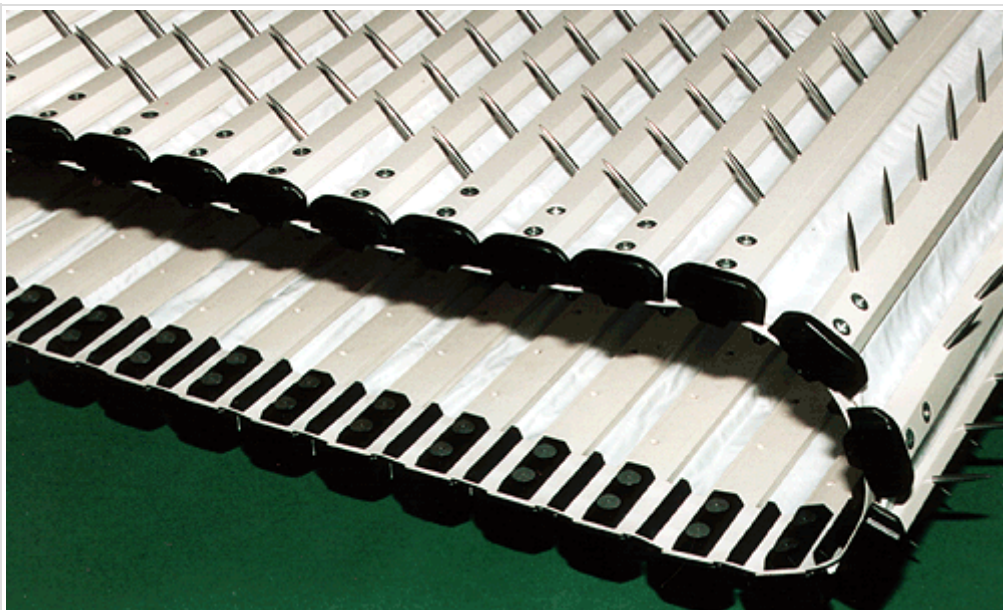


**Machine Ref:** A1-GEK108  
**Description:** Spiked Lattice PKS3020  
**Manufacturer:** German

## Spiked Lattice PKS3020

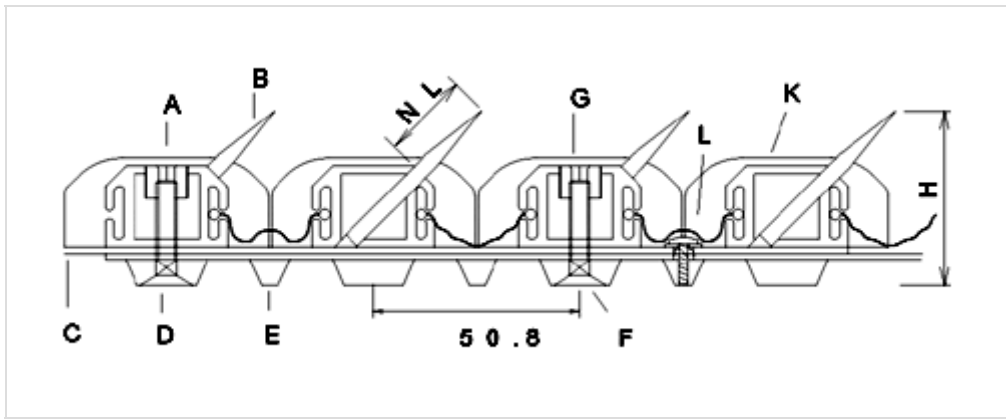
### General

The PVC profile PKS3020 was specially developed for use with hopper feeders and milling cutters. The spiked lattices manufactured in this manner can be equipped with reliable polychrome belts as well as with toothed belts, based on application and load situation. The latter make it possible to install a geared drive in connection with toothed wheels. This prevents belt slipping.



### Advantages

- Durability
- Optional geared drive
- Problem-free replacement of laths, even while mounted
- Quality workmanship
- Smooth surface makes cleaning easier when changing batches



## Description

A very durable and easy to maintain spiked lattice belt has been created using this system. This was achieved by the following details:

- The PVC lath PKS3020 (Sketch: A) with the cross section 30 x 20 mm offers a smooth surface. A core of laminated wood has been inserted into the PVC hollow section in order to ensure that the pins are fastened securely. The standard distance from lath centre to lath centre equals 50,8 mm. Other pitches are available on request.
- The lattices are fastened using galvanized screws M5 (F) and hardened and galvanized special steel bolts (G).
- The pins (B), with standard sizes of 4 x 45 mm and 4 x 55 mm, are equipped with pressings which prevent them from being pulled out. The pins can also be permanently protected from corrosion.
- The belts are available in a selection of materials and designs:
  - Polychrome belts; with leather coated polyamide cores, the screw heads are sunk into leather. Widths above 50 mm can be chosen.
  - Toothed belts for shaft diameters > 300 mm. 50 mm wide polyester belts reinforced with special fibres. Large teeth (D), connected by screws to the belts and laths, assure the additional necessary frictional connection.
  - Toothed belts for shaft diameters < 300 mm are additionally equipped with non-driven intermediary teeth (E). These assure low noise and low wear operating levels, even for smaller shaft- or wheel diameters larger than 140 mm.
- The polyester web straps (L) seal the gaps by their insertion between the laths. These are absolutely resistant to removal due to woven plastic core threads.
- The polyamide caps (K) close the lattices on the front side and serve as tarnishing protectors as well as in combination with a covering for the machine as seals.
- The endless connection in the machine is an overlapping junction of the belts over 3 or 4 laths and is made by screw connection.