

**Machine Ref:** A1-GEK110  
**Description:** Spiked Lattice Profile PE-HYG  
**Manufacturer:** German

## Spiked Lattice Profile PE-HYG

### General

The PE profiles have been developed especially for the use at the production of hygiene products and as a substitute for wood. They consider the continuously increasing demands of the trading companies for household & personal care products. The laths are extremely resistant to abrasion and do not splinter in the event of overload. The spiked lattices produced with these profiles can be equipped always according to the kind of application and load with Transilon belts as well as with toothed belts. In connection with toothed belts the latter make the construction of a positive drive possible, which avoids the one-sided running of the belt. We recommend the use of a positive drive from a working width of 2.5 m.

### Advantages



- Flexible, smooth laths: no breaking – no splintering – a correct end product is always reached
- Suitable for the modification of production facilities according to hygiene standards
- Retrofitting of nearly every machine is possible - alternative profile forms can be supplied
- Simple exchange of screwed laths without special tool
- White (PE nature) or black laths available
- Tight pin seat according to special pins

## Description

Due to the following features a very low-wear and flexible spiked lattice has been created with this system:

- The **PE lath** with the desired cross section offers a smooth surface. The laths are produced of flexible material. Compared to wooden laths they do not break immediately in the event of overload. Thus a higher reliability is reached. Equipped with these laths your machine will meet the hygiene demands easily and at low cost. If necessary we may also deliver a suitable feed conveyor.
- The **laths are fixed** either with rivets, special screws or at toothed belts by tooth and screw.
- The **pins** in profile specific sizes are provided with pressing, which prevents the pins from being pulled out. The pins can be protected against corrosion.
- The **belts** can be chosen with respect to material and construction:
  - Transilon belts; multilayer PVC belts with fabric insert, the screw or rivet heads are sunk in the lowest PVC layer. Width as desired.
  - Toothed belt; 50 mm wide polyester belt reinforced with special fibers. Depending on the chosen profile we use different tooth forms. The use of toothed belts is recommended from a working width of 2.5 meters. We can adapt the new belt, since some machines are already equipped with it. For the conversion of the drive shaft we can offer you also low-cost gear wheels or toothed belts from our own production. The conversion to gear drive (positive drive) is possible from a shaft diameter of 140 mm.
- Being pushed into the laths the polyester fabric strips seal the gaps. Very high pull-out strength is reached by woven in synthetic threads.
- The endless splicing in the machine is a lap joint of the belts over 3 or 4 laths and is friction-locked by the screw connection.