



SAN™ TT 112.70-62 G 01

Higher process reliability when knitting technical textiles with filament yarns

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Application

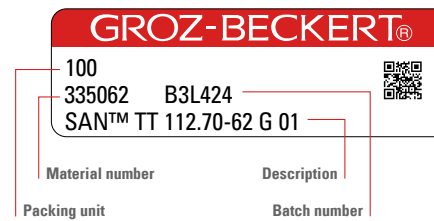
When knitting technical textiles on flat knitting machines, e.g. shoe uppers in the Sporttech sector, synthetic yarns (normally filament yarns) are most commonly used. With a special property profile these yarns can be produced, tailored to specific application areas. For shoe uppers multi-thread synthetic yarns (consisting of up to 6 threads) are used and knitted with a high course density. This ensures the required shape retention.

When knitting tight loops with multi-thread synthetic yarns, the needle head is subject to high stress, which can result in premature needle failure.

The high number of synthetic yarns can lead to filament or yarn damage during the loop formation. The cutting of capillaries or yarn at the shear point between the latch and the cheek rise of the needle can cause a hairy fabric surface.

The Special Application Needle SAN™ TT 112.70-62 G 01 enables a multi-thread knitting of tight loops with filament yarn without cutting individual filaments or threads in the closing movement of the latch.

Designations of Special Application Needles for technical textiles start with SAN™ TT.



Technical features

- Increased hook stability
- Adjusted latch spring function
- Anti-scissoring effect when knitting filament yarns
- Slim latch head for tight loops

Advantages

- Less hook breakages
- Reliable latch spring function
- No hairy fabric surface
- Optimized loop cast-off

Benefits

- Higher process reliability when knitting filament yarns
- Reduced needle consumption
- Less machine downtime
- Higher productivity
- Uniform loop structure and high fabric quality

