



# SAN™ SF staple fiber needle

Reduced contamination in the needle carrier when knitting staple fiber yarns with increased fiber fly

## Application

When using staple fiber yarns on large diameter circular knitting machines, accumulations of fiber residues, fiber abrasion, dirt and other yarn components can result in deposits in the tracks of the needle carrier.

These deposits often result in different positions of the needles in the knitting machine, causing problems such as lines in the fabric or damage to the needle. To prevent this, the needles must be removed and the needles and the needle carrier must be cleaned. This incurs costs for man hours and production standstill due to machine downtime.

The SAN™ SF special application needle effectively reduces contamination accumulations and significantly extends the time between cleaning cycles. The result is increased productivity and reduced production costs.

Groz-Beckert Patent EP 3 418 434 B1

## Technical features:

- Shank closed at the needle back
- Humps to stabilize the trick wall

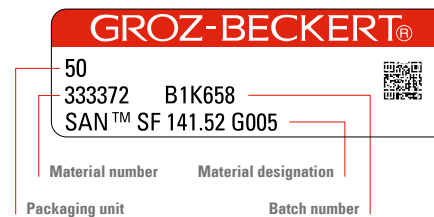
## Advantages:

- Less dirt in the needle tricks
- Increased time between cleaning cycles
- Significant reduction in faults in the goods

## Benefit:

- Reduced machine downtime
- Increased productivity
- Uniform loop structure

Designations of staple fiber needles start with **SAN™ SF**:



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## Reduced contamination of the needle tricks

The combination of the closed shank at the needle bottom and the supporting humps of the multi-track needle types effectively helps to prevent the accumulation of fiber residues and yarn abrasion between the needle back and bottom of the needle trick.

## Longer intervals between cleaning cycles and reduced machine downtimes

The reduced contamination extends the periods between having to remove the needles to clean the machine. In practice, the time between cleaning cycles was extended by up to a factor of 3 on average.

## Uniform loop structure and increased productivity

Using the SAN™ SF staple fiber needle reduces the maintenance requirements significantly and the frequency of faults in goods due to contamination-related vertical lines is significantly reduced. The user thus benefits from lower costs and increased productivity.

