



# Special application needle SAN® 5.2

The 2nd-generation sewing machine needle for technical textiles

# GROZ-BECKERT

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### Special features of the SAN® 5.2

1. The newly conceived double groove in the point area has improved thread guidance during linear and multidirectional sewing processes. This results in fewer uneven threads and consequently offers more uniform seam appearance, particularly during forward and reverse sewing and multidirectional sewing processes.



2. The scarf chamfer (hook chamfer) on the right-hand side results in a reliable pick-up of the loop by standard horizontal and vertical hooks.

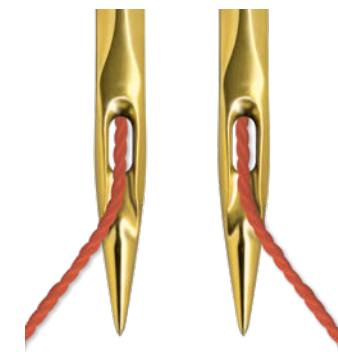
3. The additional scarf chamfer (hook chamfer) on the left-hand side results in reliable pick-up of the loop by oscillating hooks.

4. The special blade reinforcement enhances needle stability further. This makes the new needle ideally suited for linear as well as multidirectional sewing applications.

5. The larger eye allows thicker sewing threads to be used without increasing the needle size.



Larger eye of the SAN® 5.2



Thread guidance with the SAN® 5.2



## Application examples



Airbags



Carrying straps



Car seats



Upholstered furniture



Protective clothing



Sun protection systems

### The benefits of the SAN® 5.2 needle at a glance:

- Increased needle stability due to special blade reinforcement
- Optimized loop pick-up provides a greater safeguard against skipped stitches
- Gentle handling of the sewn fabric
- Uniform seam appearance
- Use of thicker sewing threads without changing the needle size
- High protection against needle wear through the use of GEBEDUR® coating\*
- Increased productivity
- Reduced production costs

\* Groz-Beckert GEBEDUR® needles are coated with titanium nitride, lending them a greater degree of hardness than standard needles. Particularly in the point and eye area, they offer improved protection against wear and damage, resulting in a consistently high seam quality and a longer needle service life.

### The SAN® 5.2 supply range

The designation is still SAN® 5. The needles with the new geometry carry the supplement "Version 5.2" on the label.



The following needles are available in the SAN® 5.2 version:

Needle system	Size range							
	110	120	130	140	150	160	180	200
134-35 SAN® 5 GEBEDUR®	•	•	•	•	•	•		
134-35 SAN® 5 SD GEBEDUR®		•	•					
134-35 SAN® 5 FFG GEBEDUR®				•		•		
134-35 SAN 5 FG GEBEDUR®		•		•		•		
134-35 SAN® 5 S GEBEDUR®		•	•	•				
135x17 SAN® 5 GEBEDUR®		•	•	•		•	•	
135x17 SAN® 5 FFG GEBEDUR®				•		•		
135x17 SAN® 5 SD GEBEDUR®				•				
135x17 FK SAN® 5 GEBEDUR®				•		•		
328 SAN® 5 GEBEDUR®								•