



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 tip 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 reliable engagement of the loop by standard horizontal and vertical 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.

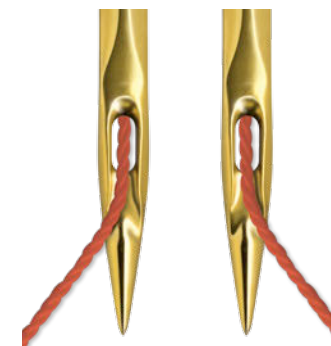


3. The additional scarf chamfer (hook chamfer) on the left-hand side results in reliable engagement of the loop by oscillating hooks.

5. The larger eye allows thicker sewing thread to be used without increasing the needle thickness.



Larger eye of the SAN® 5.2



Thread guidance with the SAN® 5.2

Application examples



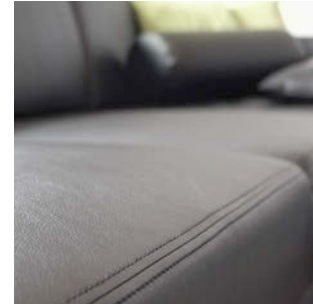
Airbags



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 engagement 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 thickness
- 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 conventional SAN® 5 needle supply range will be gradually replaced and extended by the SAN® 5.2. The following initial range is available at short notice (precise delivery period on request):

Needle system	Size range					
	110	120	130	140	160	180
134-35 SAN® 5.2 GEBEDUR®	•	•	•	•	•	
134-35 SAN® 5.2 SD GEBEDUR®		•	•			
134-35 SAN® 5.2 FFG GEBEDUR®				•	•	
134-35 SAN® 5.2 S GEBEDUR®		•	•	•		
135x17 SAN® 5.2 GEBEDUR®		•	•	•	•	•
135x17 SAN® 5.2 FFG GEBEDUR®				•	•	