



# The special application needle SAN™ 12

For the perfect appearance of 2-needle seams

# GROZ-BECKERT

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### Potential problems when creating 2-needle decorative seams

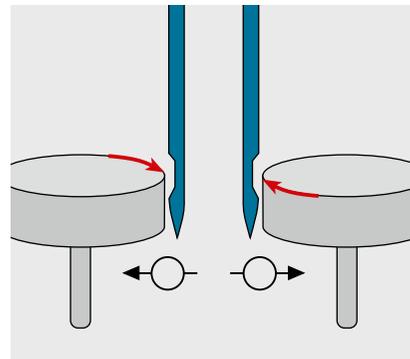
When creating adjacent seams on 2-needle machines, the left and right seams should ideally have the same seam appearance. The differences in the threading direction and loop pick-up between the left and right needle can result in a different appearance of the two seams. This can occur both on seams with a slanted stitch formation (LR cutting point) and on seams with straight stitch formation (S cutting point).

### Solution

An improved seam appearance is achieved on both the SAN™ 12 LR and the SAN™ 12 S needle by aligning the cutting geometry precisely using a special flat on the shank. This results in uniform seams with both slanted or straight stitch formation.



Different threading direction for right and left needle



Loop pick-up



Using SAN™ 12 LR and SAN™ 12 S enables a uniform and harmonious seam appearance



### Using the SAN™ 12 LR:

- For more uniform and matching appearance of the seams using slanted stitch formation
- Use only on the right needle

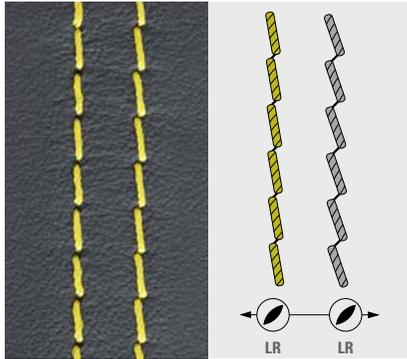


### Using the SAN™ 12 S:

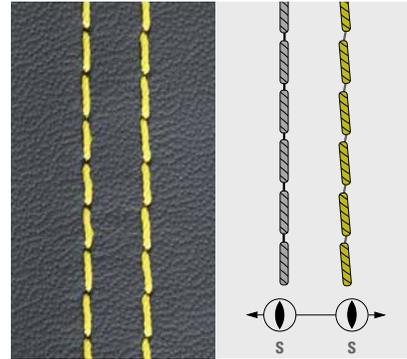
- For more uniform and matching appearance of the seams using straight stitch formation
- Use on both needles



## Seam appearance using standard needles



When using LR cutting points, the left seam usually looks less decoratively slanted than the right seam.



When using S cutting points, the right seam usually looks less straight than the left seam.

Standard LR cutting point



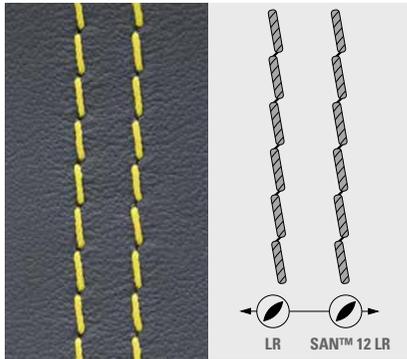
Shank

Standard S cutting point

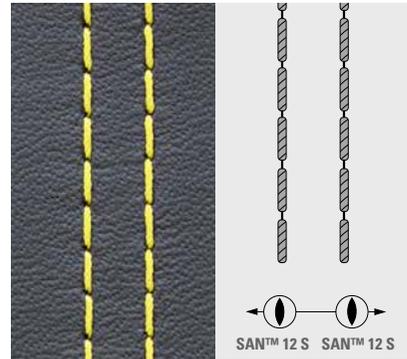


Shank

## Seam appearance using SAN™ 12 needles



Uniform seam appearance when using the SAN™ 12 LR on the right side



Uniform seam appearance when using the SAN™ 12 S on both sides

SAN™ 12 LR cutting point



Shank

SAN™ 12 S cutting point



Shank



Perfect seam appearance – with the SAN™ 12 needle from Groz-Beckert