



Mobiltech

Recommendations for perfect seams in automotive interiors

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Needle point styles for the desired seam appearance in leather

LR-point

**Application:**

- Decorative lockstitch seams in soft to medium-hard leather
- For all types of leather

LL-point

**Application:**

- Straight seams with uniform closed appearance
- For nearly all common types of leather

S-point

**Application:**

- Straight seams with relatively tight stitch formation in leather
- For soft to medium-hard leather
- Seams located directly on an edge

SD-point

**Application:**

- Straight seam position (slightly irregular)
- For soft leather (clothing leather)
- For multi-directional applications

Both DH and D points are suitable for medium-hard to hard leather and for medium to long stitches.

Needle point styles for interior fabrics

R-point

**Application:**

- Standard for lockstitch, woven fabrics, coated woven fabrics, artificial leather

RG-point

**Application:**

- Standard for chain stitch

FFG-point

**Application:**

- For general knitted fabrics, woven fabrics made from cotton and/or synthetic fabrics



General recommendations for needle sizes and point styles

| Material | Point style | | Needle size | |
|--|--|---|--|---|
| | Decorative seams | Joining seams and multi-directional sewing operations | Needle size | Joining seams and multi-directional sewing operations |
| Leather (with and without foam lining) | LR, LL, S (defined seam positions), R, RG, SD, DH | R, SD, RG¹ | Nm 110–140 | Nm 90–110 (depending on the sewing thread size) |
| Artificial leather (with and without foam lining) | LR, LL, S (defined seam positions), R, RG, SD, DH | R, SD, RG | Nm 110–140 | Nm 90–110 (depending on the sewing thread size) |
| Material combination leather/artificial leather (with and without foam lining) | LR, LL, S (defined seam positions), R, RG, SD, DH | R, SD, RG | Nm 110–140 | Nm 90–110 (depending on the sewing thread size) |
| Material combination woven/felt | R, RG | | Nm 110–140 (depending on the material and sewing thread size) | |
| Material combination leather/felt + cardboard/felt | DH, D | | Nm 110–140 (depending on the material and sewing thread size) | |
| Material combinations leather/textile + artificial leather/textile | R, RG, FFG | | Nm 90–120 (depending on the material and sewing thread size) | |
| Woven fabrics (with and without foam lining) | R, RG, FFG | | Nm 90–120 (depending on the material and sewing thread size) | |
| Knit fabrics (warp and weft knit) with and without foam lining | RG, FFG | | Nm 90–110 (depending on the material and sewing thread size) | |
| Artificial leather | R, RG² | | Nm 120–140 | |
| Airbag | R, RG² | | Nm 140–180 (depending on the material and sewing thread size) | |
| Seat belts | R, RG² | | Nm 160–230 (depending on the material and sewing thread size) | |
| Floor mats (edged) | R, RG² | | Nm 140–230 (depending on the material and sewing thread size) | |

¹ Recommendation: Use the SAN® 12 needle ² Recommendation: Use the SAN® 5 needle



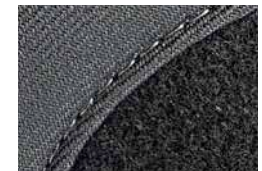
Leather



Artificial leather



Combination of woven / felt leather



Combination of woven / felt



Woven fabric



Knit fabric



Artificial leather



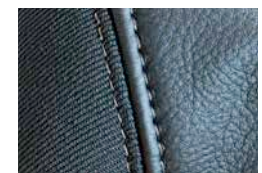
Airbag



Seat belts



Floor mats



Combination of leather / textile