



Tufting needle YY with SAN™ S point geometry

For high process security when producing artificial turf

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The production of artificial turf places increasingly high demands on the tufting process and the gauge parts used. Especially the use of multiple layers of primary backing in conjunction with large pile heights and wide stitch spacings places significant stress on the tufting needle.



The tufting needle YY with SAN™ S point geometry

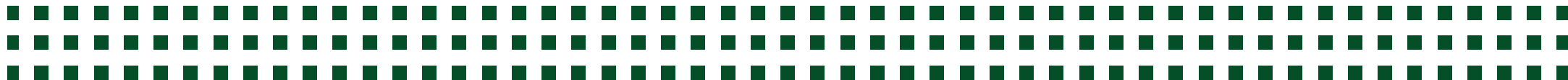
The YY needle with SAN™ S point geometry was developed specifically for these extreme conditions and features an optimized design and increased stability.

The deflection of the needle is reduced to a minimum, ensuring perfect pick-up of the yarn by the looper. The special geometry of the groove and scarf ensures optimum thread guidance and loop pick-up. In addition, the special point shape creates smaller stitch holes and the enlarged eye allows the use of thicker yarns.



Front

Back



Technical features of the YY needle

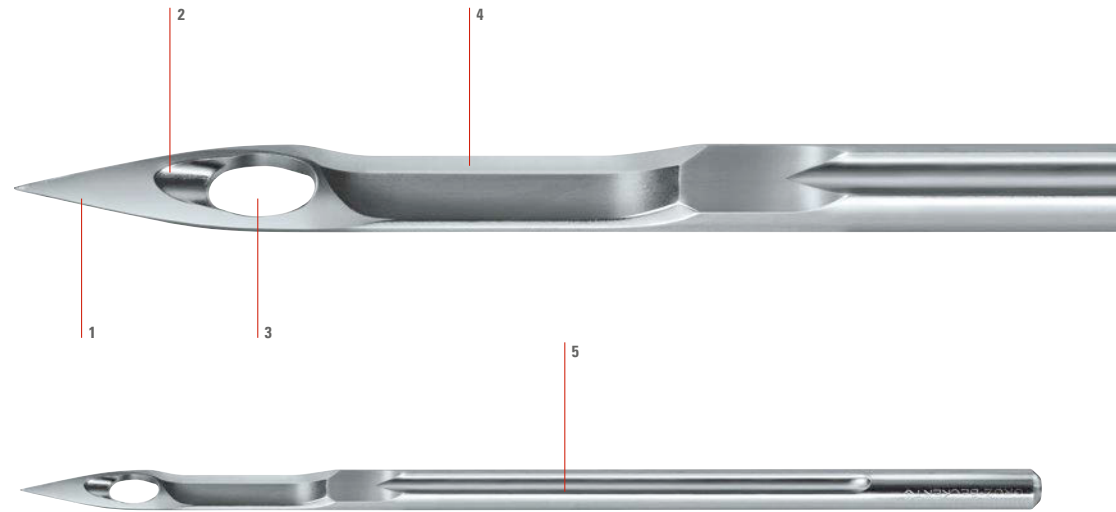
1. The slim and long shape of the point ensures that the needle smoothly penetrates the backing.
2. The optimized groove in the eye improves the yarn guidance.
3. The wide eye allows the use of thicker yarns.
4. The deep scarf with large chamfer enables improved loop pick-up by the hook.
5. The second groove close to the scarf increases the stability of the needle.

Advantages

- Lower penetration forces
- Improved yarn guidance
- Suited for thicker yarns
- Secure loop pick-up
- Less needle deflection

Benefits

- Flawless fabric surface
- Extended application possibilities
- Reduced load and wear on the machine mechanics
- Improved machine efficiency
- Reduced energy consumption



YY needle with SAN™ S point geometry

Designation of YY tufting needles with
SAN™ S point geometry

