Advanced coating technology for sewing machine needles

For longer service life and gentle sewing

GROZ-BECKERT

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For many decades, sewing machine needles have been standardly coated with a galvanic chrome finish. This protects the needles from external influences such as corrosion, increases wear resistance and ensures a smooth surface that is gentle on the fabric and thread.

As part of its ongoing development efforts, Groz-Beckert has now revised its coating technology for sewing machine needles. The result is a newly developed coating based on a more environmentally friendly process. While the new technology changes the needles' appearance, the functional benefits of the previous chrome plating in the sewing process are fully preserved.

The innovative process has already been used successfully for several years and will gradually replace the previous technology.

The special features of the new coating

1. Coated needle point
The new coating process provides the point area of the needle with even better protection from wear and damage. This extends the service life of the needle.

2. Improved gliding properties
The new coating ensures optimized gliding properties. This noticeably reduces penetration forces and is gentler on the material being sewn.

3. Visual change
The needles with the new coating differ visually from conventional chrome needles. The new coating gives the needle a uniform, less reflective surface as well as a visible color difference in the shank area.

The changed appearance does not affect the technical properties:
The surface remains just as smooth and gentle on the thread and material to be sewn as with conventional chrome needles.

Changed appearance of the new coating

Shank labeling with laser technology
In addition to the new chrome coating process, Groz-Beckert has also been using improved shank labeling technology for some time now: Instead of stamping, the needle size and manufacturer's logo are applied by laser – for significantly better legibility. As this switch is also taking place gradually, both variants are currently available on the market.

Laser technology

Stamping