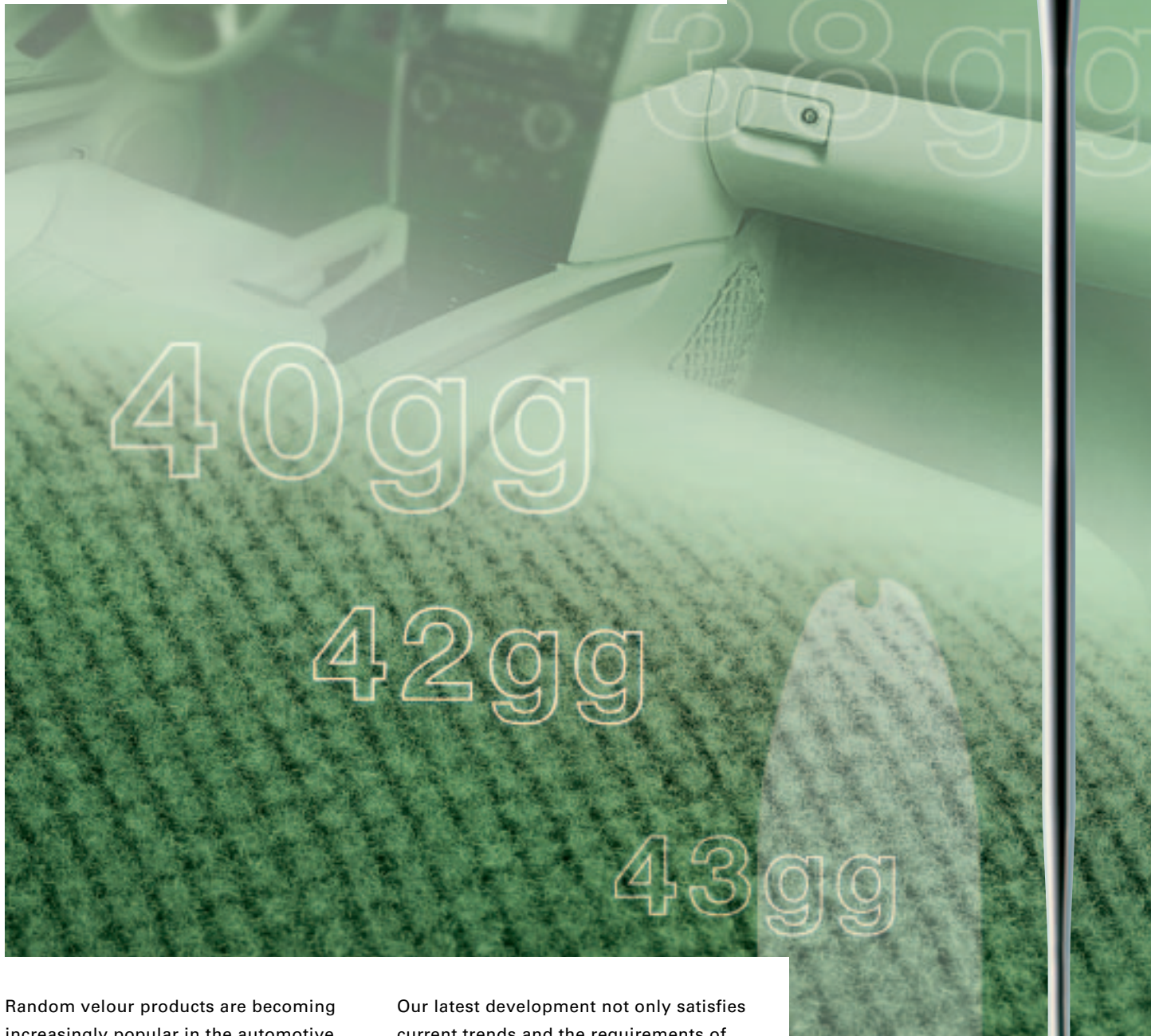




FINE GAUGE FORK NEEDLES
FOR THE PRODUCTION OF HIGH-QUALITY
RANDOM VELOUR PRODUCTS



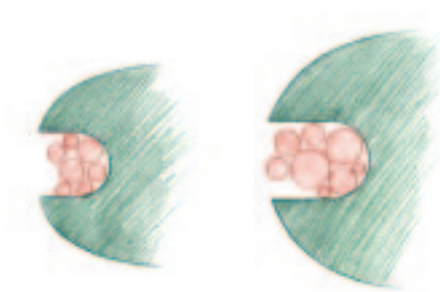
Random velour products are becoming increasingly popular in the automotive industry. For a number of years, Groz-Beckert has successfully met the needs of this market with 38, 40 and 42 gg fork needles.

Our latest development not only satisfies current trends and the requirements of our customers, but also goes one step further. The 43 gg fork needle permits the processing of ultra-fine fibres (e.g. in blends of 1.1-3.3 dtex) for random velour products.

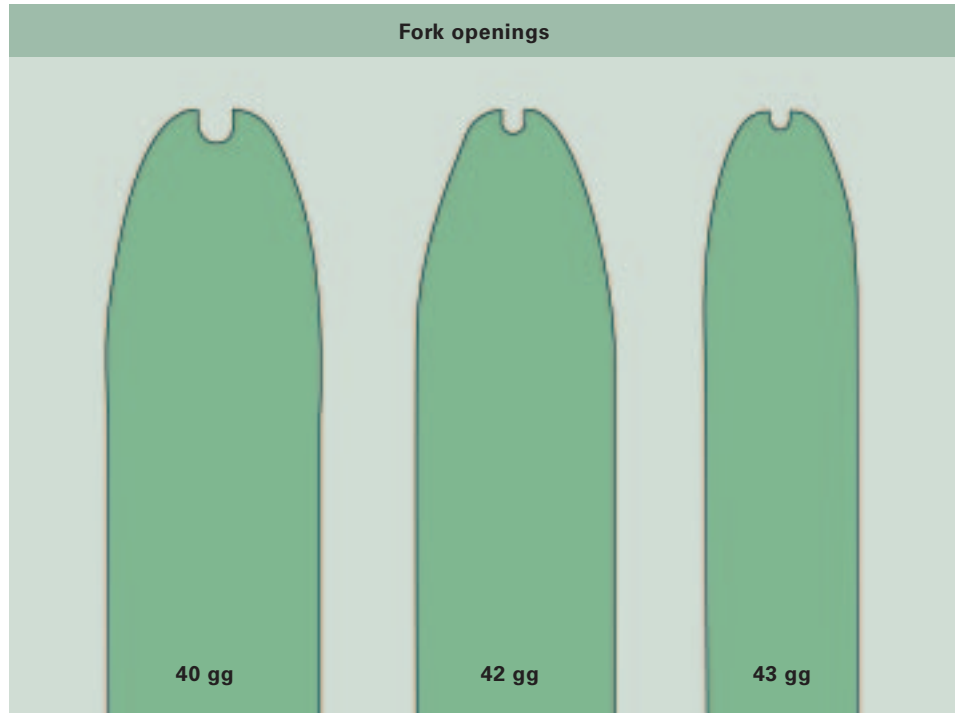
FEATURES OF FINE GAUGE FORK NEEDLES

To achieve the utmost strength in conjunction with the optimum fork size, it is now possible to combine working parts in 40 gg and 42 gg with very fine fork openings (43 gg).

Depending on the desired surface characteristics, typical crown needle applications can now also be covered by fine gauge fork needles.



FORK OPENING ADJUSTED TO FIBRE FINENESS



CHARACTERISTIC ATTRIBUTES OF FINE GAUGE FORK NEEDLES

- **High uniformity during structuring process**
- **Pronounced loops (granular texture)**
- **Exceptionally dense surface quality, thanks to efficient fibre processing capacity**
- **Product appearance can be influenced by DG or VG fork setting**

Examples for application areas of random velour



HEAD LINER

SHELVES

FOOT AREA