Reduced wear thanks to the coated hook

Special solution for increased needle life and reduced wear to the inside area of the hook

GROZ-BECKERT

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Application

When abrasive yarns are used, their sawing effect can cause premature wear to the inside area of the hook. Needles with coated hooks by Groz-Beckert have been developed to reduce this kind of wear.

Technical feature

The hook area of the needle is coated. The coating is significantly more wear-resistant than hardened steel.

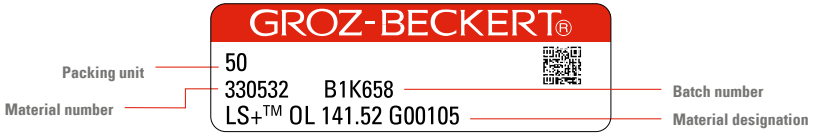
Advantages

- Reduced needle consumption due to longer needle life
- Uniform and flawless fabric quality

Benefits

- Optimized process stability
- Higher productivity

Circular knitting needles with a coated hook can be identified by the **OL** in the needle designation:



Hook without wear

Wear to the inside area of the hook (without coating)

Wear to the inside area of the hook:

Wear on the inside area of the hook can affect the fabric quality in different ways:

- Formation of lines or irregular loop structure
- Defects by damaged yarn or individual damaged fibers/filaments
- Holes or drop stitches

The coating of the hook area prevents premature wear in the form of sawn-in hooks. Due to this, needles with coated hooks have a significantly longer service life when processing abrasive yarns than needles without coating. Also machine malfunctions and fabric defects caused by premature hook breakages are avoided.

Service:

- Global sales network for fast delivery and reduced warehousing costs
- Research and development – development partnership from prototype to market introduction
- Process optimization by laboratory services
- Technical knowledge and understanding of quality with training offered by the Groz-Beckert Academy
- Further information under www.groz-beckert.com and in the "myGrozBeckert" app