



Reduced wear thanks to the chrome-plated hook

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

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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 chrome-plated hooks by Groz-Beckert have been developed to reduce this kind of wear.

Advantages

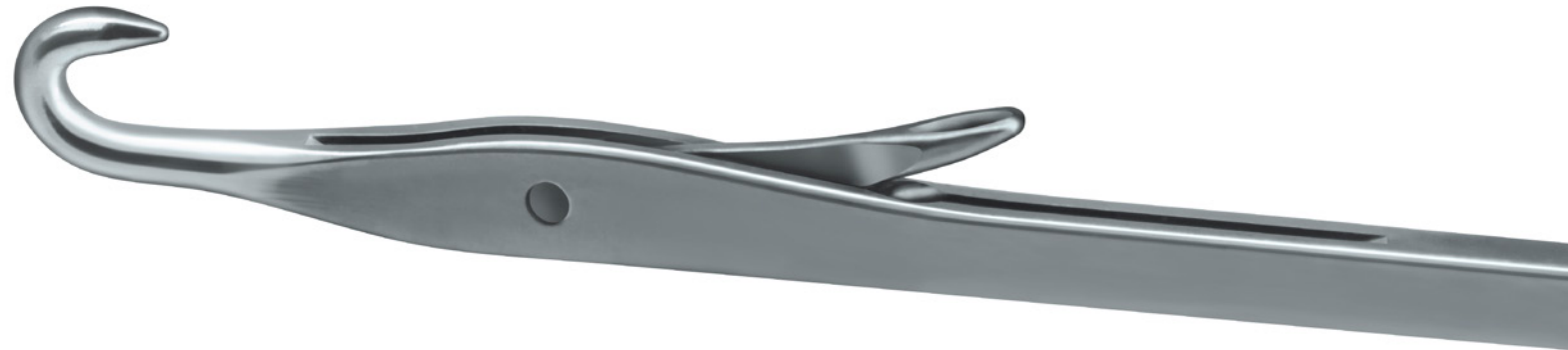
- Reduced needle consumption due to longer needle life
- Uniform and flawless fabric quality

Benefits

- Optimized process stability
- Higher productivity

Technical feature

The hook area of the needle is chrome-plated. The coating is significantly harder than hardened steel and withstands the high dynamic loads of the knitting process.



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





Hook without wear



Wear to the inside area of the hook (without chrome-plating)

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 chrome-plating of the hook area prevents premature wear in the form of worn-in hooks. Due to this, needles with chrome-plated hooks have a significantly longer service life when processing abrasive yarns than needles without chrome-plating. 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