Reduced wear thanks to the chrome-plated hook
Special solution for increased needle life and reduced wear to the inside area of the hook

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:
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 sawn-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