



## Flat knitting needles for technical and industrial textiles

Special needle characteristics make new and innovative fabrics possible.

### Maximum resilience and highest process reliability

Yarns and knitting techniques exerting high levels of stress on the flat knitting needles require special needle properties. The Groz-Beckert range of products includes latch and compound needles for such extreme requirements.

### Application

Technical and industrial textiles as well as fully-fashioned fabrics for special applications (e.g. shoe uppers).

### Customer benefit

- Profitability  
Reduced needle consumption and improved process reliability from increased hook stability, improved cast-off behavior with tight loops, and reliable opening and closing function of the latch.
- Quality  
Uniform loops and flawless fabric quality.
- Innovation  
Special needle properties open up new and innovative business fields. Multi-gauge needles, for example, allow the processing of a wide range of yarns.

# GROZ-BECKERT®

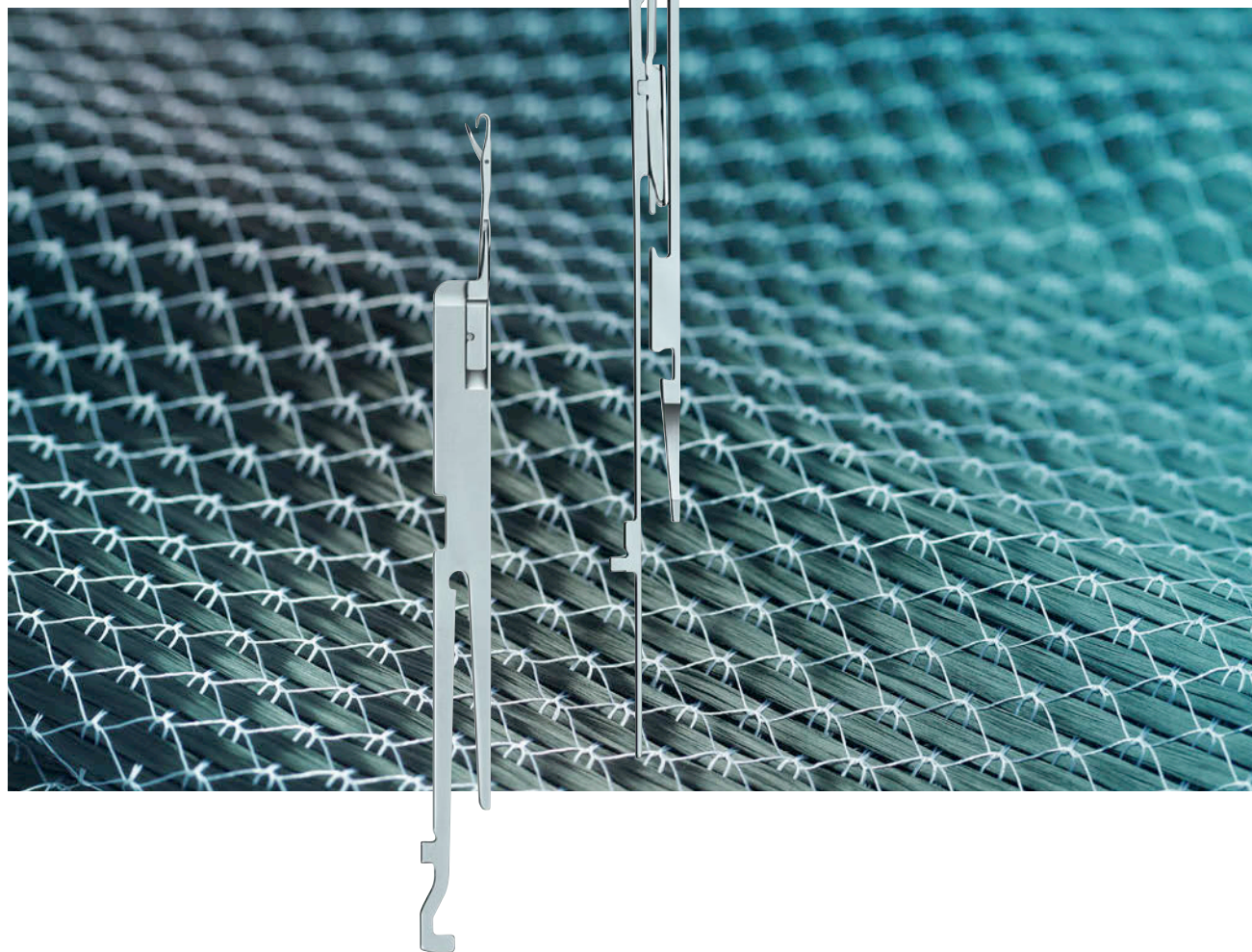
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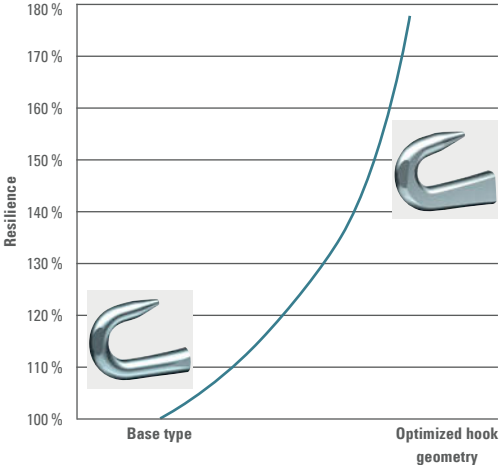
[www.groz-beckert.com](http://www.groz-beckert.com)



**Technical characteristics**

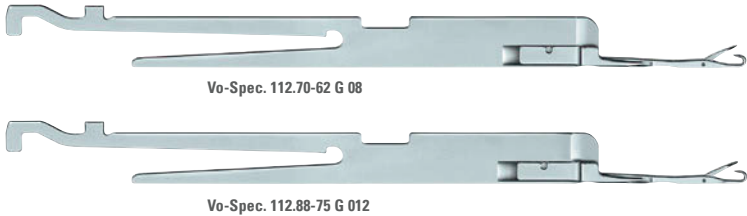
Reinforced hook, optimized force of the spring-loaded latch, multi-gauge needle head and patented, slim latch head

Groz-Beckert calculations prove that the resilience of the hook of the flat knitting needle can be up to 75 % higher.

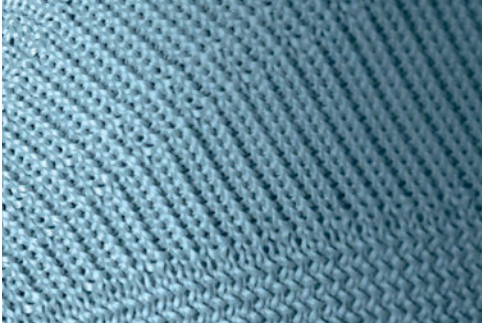
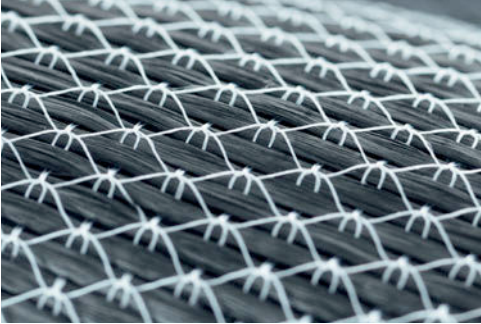
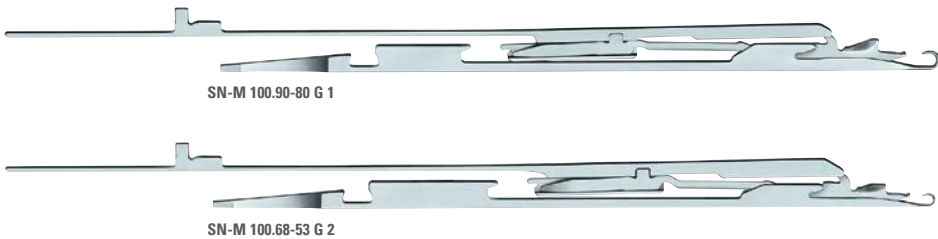


**Examples of products**

Spring-loaded latch needles:



Compound needles:



**Service**

- Customer-specific product solutions – from the latch needle with or without spring-loaded latch to the compound needle
- Global sales network for fast delivery and reduced warehousing costs
- Research and development – development partnership from prototype to market introduction
- Technical knowledge and a better understanding of quality with training offered by the Groz-Beckert Academy
- Further information under [www.groz-beckert.com](http://www.groz-beckert.com) and in the “myGrozBeckert” app