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, medical bandages).

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.
Technical characteristics

Reinforced hook, optimized force of the spring-loaded latch, multi-gauge needle head and patented, slim latch head, anti-scissoring effect when using filament yarn

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:
- SAN™ TT 112.70-62 G 01
- Vosa-Spec. 89.75-62 G 066

Compound needles:
- SN-M 100.90-80 G 1
- SN-M 100.68-53 G 2

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 and in the “myGrozBeckert” app

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