



Prevention of lines

G00 technology prevents lines in the fabric otherwise caused by bent open hooks.

GROZ-BECKERT

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Application

- For unusually high amounts of stress to the hook, for example, from knots or slubs in the yarn or when knitting special constructions
- For sensitive fabrics and high machine speeds

Properties

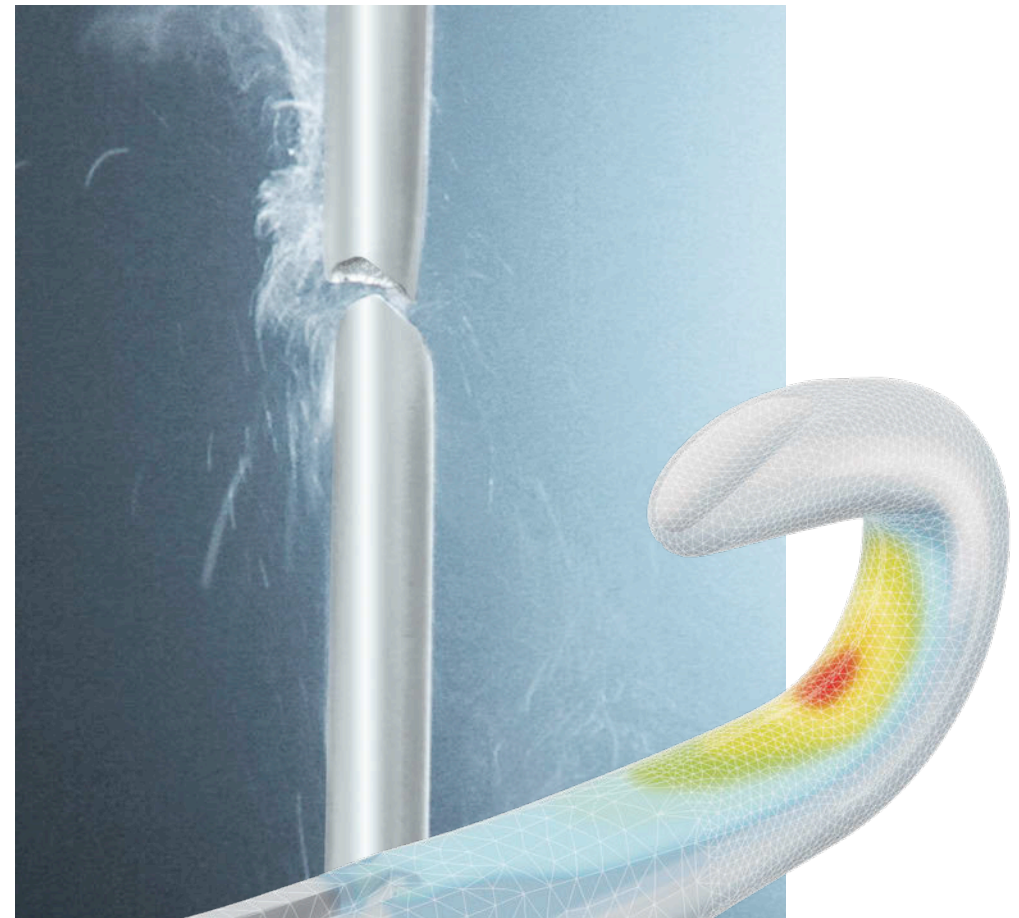
The G00 hook does not allow a permanent deformation but breaks on overloading. The error this causes in the fabric is immediately detected. The machine stops and the broken needle can simply be replaced.

Customer benefits

- Profitability
Increased process reliability and, at the same time, maximum productivity and reduced failure rate
- Quality
Prevention of vertical lines in the fabric; Possible errors are detected immediately in the process chain
- Environment
Sustainable production due to reduced waste generation

Needles with G00 technology can be identified by the addition G00 in the needle designation:

GROZ-BECKERT®			DataMatrix code with numeric material designation
Packing unit	2000		Batch number
Material number	219502 B139W5		Material designation
	Vo-LS™ 147.41 G 0011		

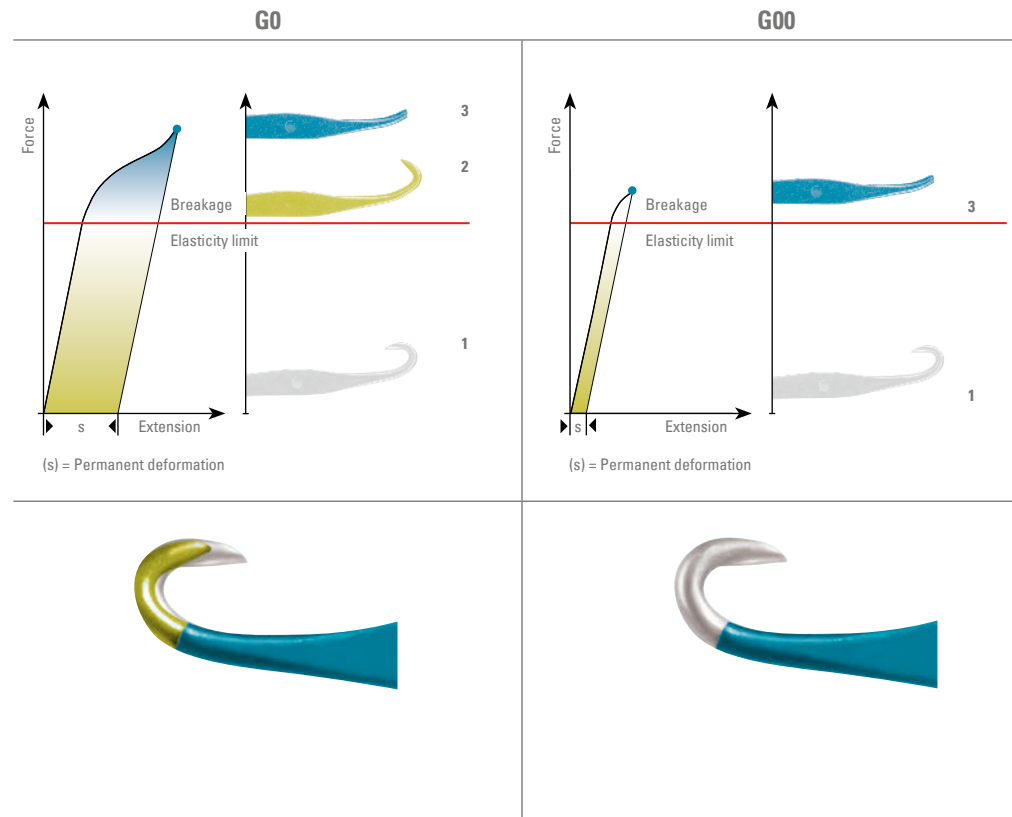


Description G0 characteristic

If the force exceeds the elasticity limit of the needle hook (1), plastic deformation (s) results. The hook begins to bend open (2). This zone is marked in blue in the force-extension diagram. Once the maximum possible opening position is exceeded, the hook breaks (3).

The G0 configuration is designed to allow the hook to bend open before breaking.

G0 and G00 technologies in comparison



Description G00 characteristic

Up to the elasticity limit, the behavior of G0 and the G00 needles is identical. Due to its low amount of permanent deformation the hook of the G00 version breaks just after passing the elasticity limit (3).

Permanent deformation is practically undetectable in practice.

Service:

- Technical knowledge and better understanding of quality with training offered by the Groz-Beckert Academy
- Further information under www.groz-beckert.com and in the "myGrozBeckert" app