



## Prevention of lines

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

### 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

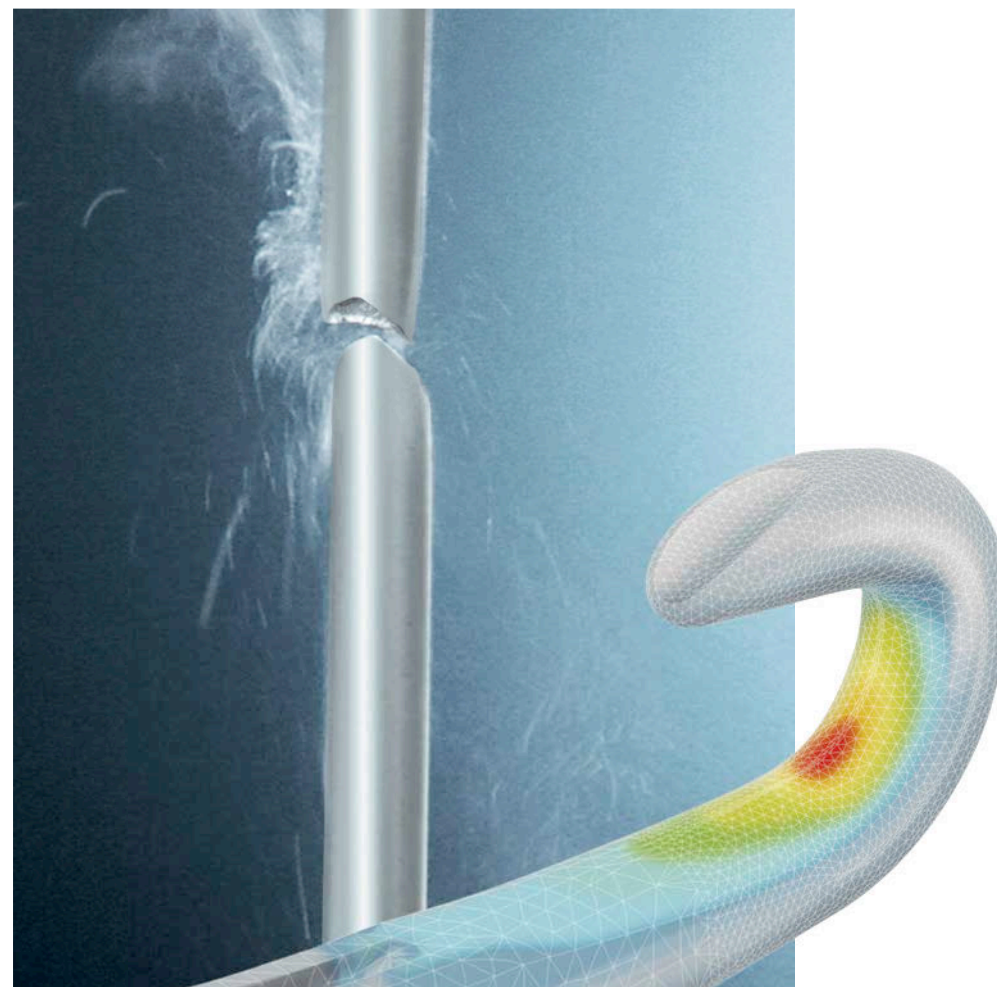
Needles with G00 technology can be identified by the addition G00 in the needle designation:

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

# GROZ-BECKERT®

### Groz-Beckert KG

Parkweg 2, 72458 Albstadt, Germany  
 Phone +49 7431 10-0, Fax +49 7431 10-2777  
 contact-knitting@groz-beckert.com  
 www.groz-beckert.com

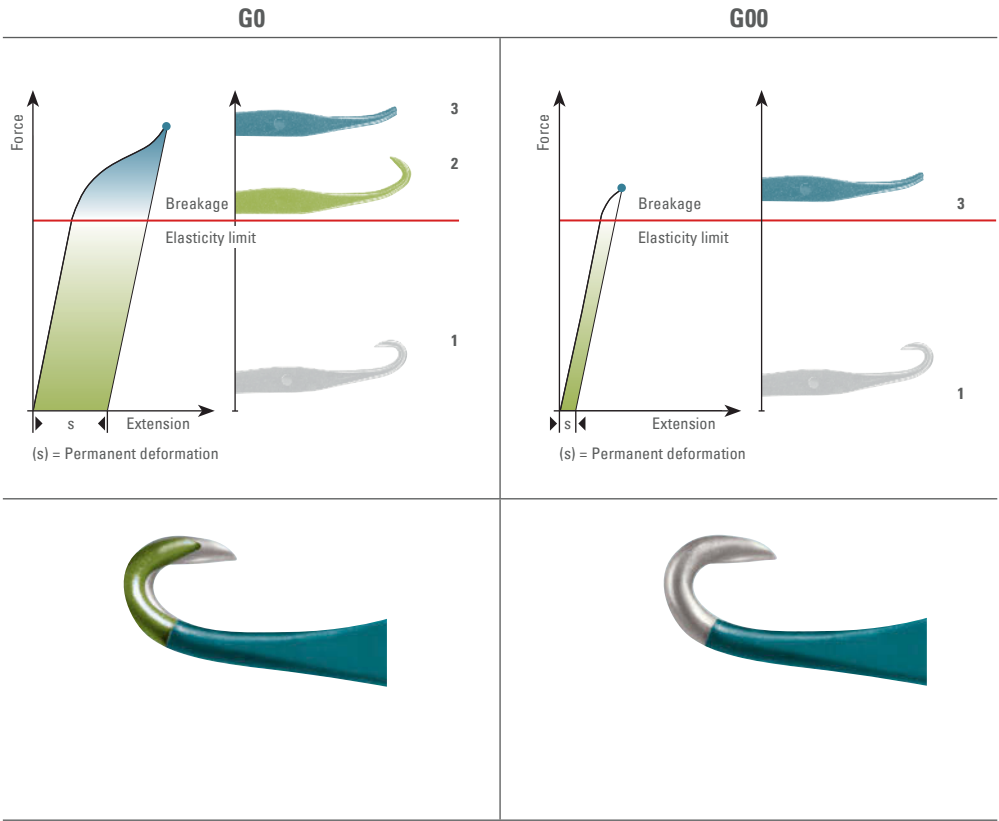


**Description G0 characteristic**

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. As the G00 characteristics do not allow a permanent deformation, the hook of the G00 version breaks just after passing the elasticity limit (3).

The characteristic of G00 needles prevents a permanent hook deformation.

**Service**

- Technical knowledge and 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