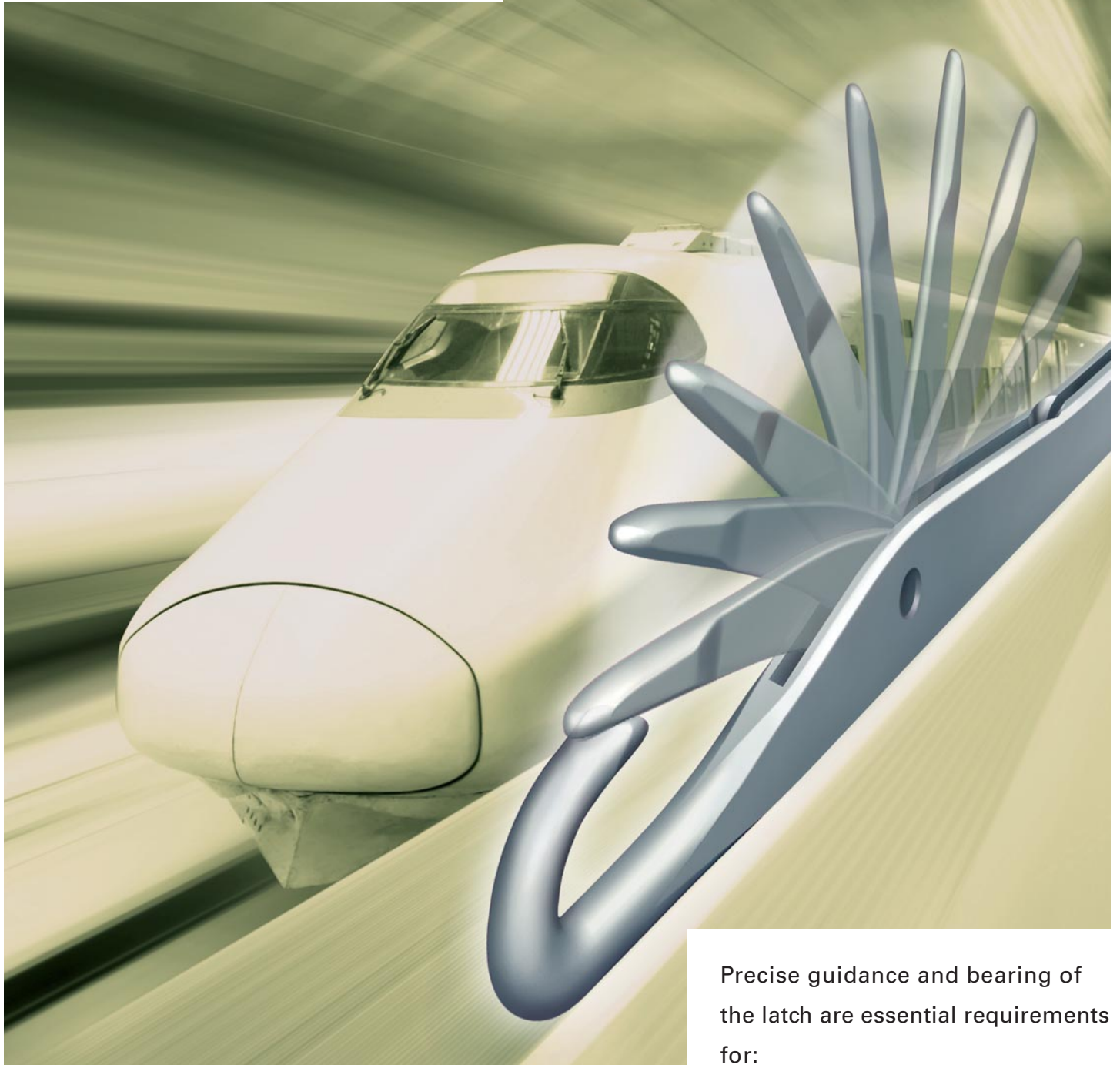




OPTIMUM LATCH GUIDANCE IN KNITTING

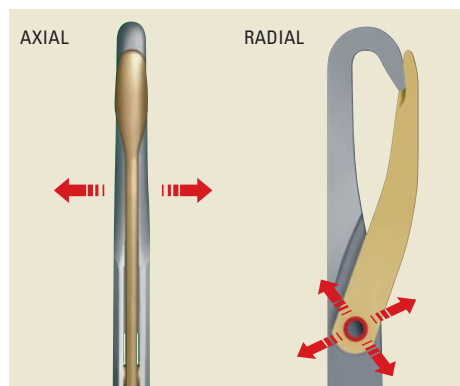


Precise guidance and bearing of the latch are essential requirements for:

- Long needle service life
- Maximum machine speeds
- Process reliability in production

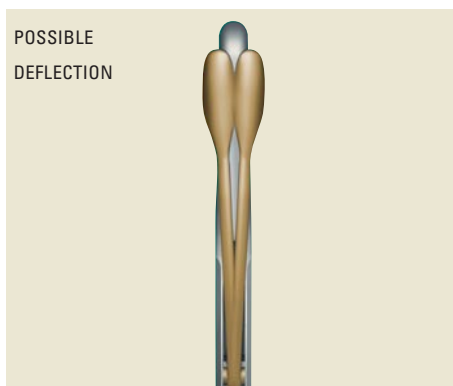
To achieve these requirements, Groz-Beckert needles have minimal initial latch play.

OPTIMUM LATCH GUIDANCE FOR OPTIMUM RESULTS



Groz-Beckert needles – minimal latch play

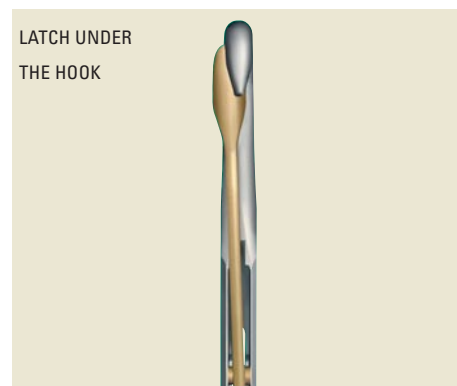
It is only with a precisely configured latch bearing that minimal axial and radial play of the latch and consequently optimum latch guidance can be guaranteed.



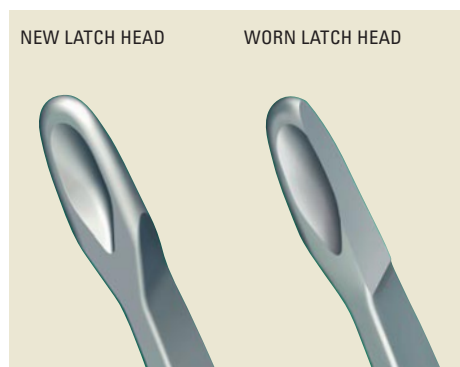
Why is precise latch guidance so important?

The more latch play increases, the more the latch will strike the hook off centre.

The result: Increased wear of latch spoon, latch shank and cheek walls, leading to a significantly reduced life.

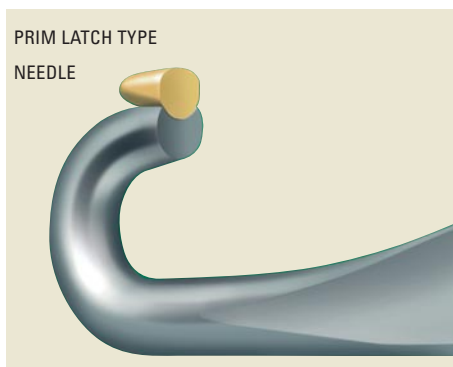


It is also possible for the latch deflection to increase to such an extent that the latch moves under the hook. This results in knitting defects and machine downtime.

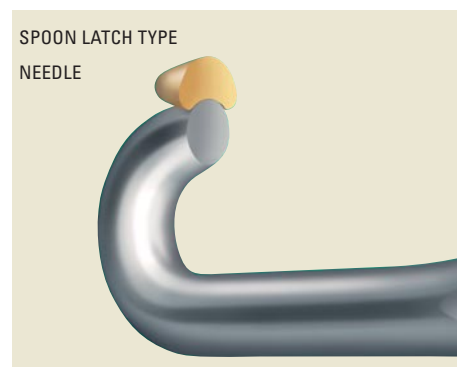


Excessive axial play of the latch can cause the latch to be deflected sideways to such an extent that the side of the latch head contacts the sinkers.

The result: Yarn damage, latch spoon breakage, defects in fabric.



If the latch strikes the hook at speeds of up to 200 kph, a high impact force is generated. In order to distribute this force over the largest possible area, Groz-Beckert needles have precisely executed hook and latch shapes. This reduces surface pressure and consequently diminishes the amount of wear.



GROZ-BECKERT KG
 PO Box 10 02 49
 72423 Albstadt, Germany
 Phone +49 7431 10-0
 Fax +49 7431 10-2777
 contact@groz-beckert.com
 www.groz-beckert.com

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