



Energy savings with LCmax™

Reduced power consumption and lower machine temperature –
designed for use in circular knitting machines

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Benefits

With regard to profitability/productivity
and environment:

- Reduced costs
- Smaller carbon footprint
- Easy handling

Advantages

- Reduced energy consumption
- Reduced machine temperature
- Enables operation at the maximum possible
machine speed
- Use independent of the machine direction
- Energy saving regardless of the gauge

Technical features

- New wave-shaped shank geometry
- Minimum contact surface in the cylinder
- Reduced mass

Needle geometry LCmax™



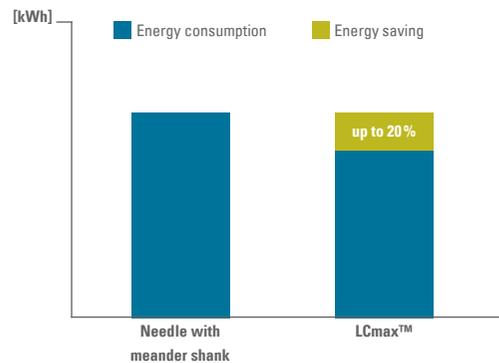
Groz-Beckert patent

EP 4015690 B1



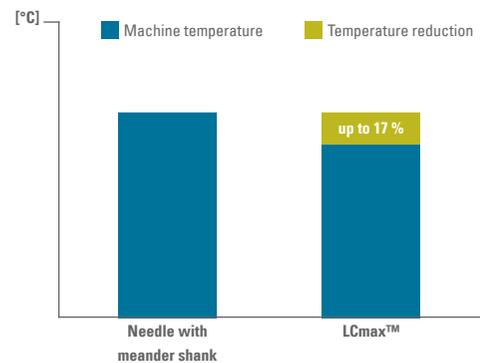
Reduced energy consumption

The wave-shaped shank geometry of the LCmax™ needle means that less friction occurs during use in the machine, thus lowering the power consumption.



Reduced machine temperature

Modern (high-performance) circular knitting machines are often restricted in speed due to high temperatures. But using LCmax™ needles lowers the machine temperature.



Reduced costs

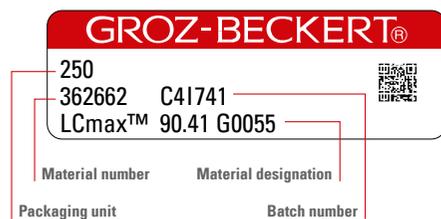
Longer service life of the system components, low maintenance and ancillary costs, as well as reduced power consumption guarantee savings potential.

Significant increase in performance

Due to the low friction, the machine temperature is significantly reduced even at high machine speeds, which improves handling and reduces wear on the system components. This allows the maximum machine speed to be used.

Smaller carbon footprint

Lowering the power consumption and machine temperature results in a considerable reduction of CO₂ emissions.



Designations of circular knitting needles with wave-shaped shank start with LCmax™.