

# Clamp on Movable Main Nozzle

## Working principle

The clamp on the movable main nozzle is a mechanical device operated by means of compressed air. It is located at the entrance of the movable main nozzle and is controlled by the microprocessor. It clamps the filling yarn when it is not being inserted.

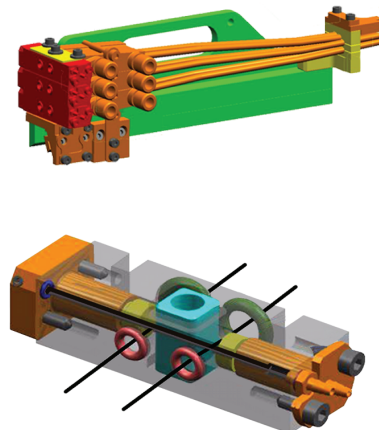
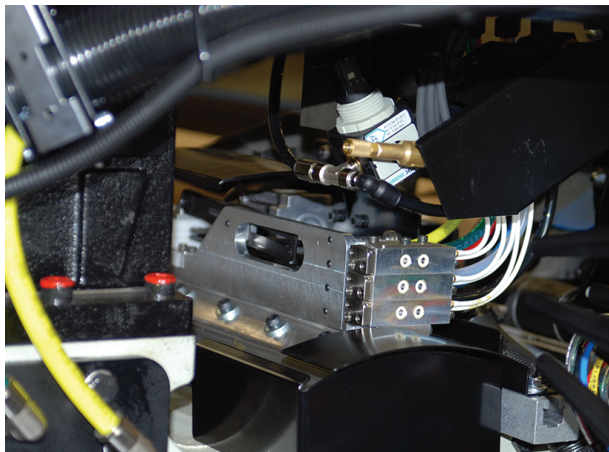
The clamping is performed without damaging the yarn, at machine stop and for a short period after start-up.

## Advantages

- Facilitates the weaving of some stretch yarns / fancy yarns
- Improved performance on complex and long color patterns
- Color differences (shading) due to time intervals between picks from the same channel are eliminated
- No more damage to the weft material in the movable main nozzle and no more blown-off weft yarn tips
- Overhead cleaning modules can no longer remove the weft from the nozzles, even when the weaving machine is stopped
- Electronic Low Continuous Airflow (ELCA) can be eliminated or significantly reduced
- High-twist or elastic yarns cannot retract and be pulled out of the movable main nozzle

## Application

Optimal results with stretch, fancy, chenille, open filament, denim and fancy denim up to speeds of 1000 rpm.



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