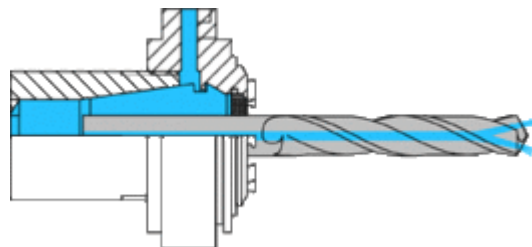


Press Release



Picture 1: Suhner quill feed unit with coolant through attachment



Picture 2: Flow of coolant-lubricant through the collet and cutting tool.
(Bild REGO-FIX®)

NEW coolant through the tool application for quill feed units

What is the main purpose for coolant application? Of course among many reasons primarily for the lubrication and cooling of the cutting edge and in addition to help facilitate chip evacuation. REGO-FIX® has launched a cost effective and efficient attachment for the application of coolant-lubrication liquids through the tool based on an ER collet nut, which is ideal for use on SUHNER feed drilling units.

Optimizing the cooling and lubrication effect to help increase chip removal, tool life and performance requires the coolant-lubricant mix in direct contact with the cutting edge of the tool. Namely for drilling operations, internal coolant becomes more and more essential. In the past, the application of an internal pressurized coolant-lubricant mix, especially for quill feed units, presented challenges and complications.

A new approach engineered by REGO-FIX® is called reCool® where the coolant-lubricant mix enters the collet from radial direction and then passes through the tool. It is very simple and effective. Based on this idea, SUHNER adapted the reCool® principle and designed attachments for the application of internal coolant liquids for its MONOmaster and MULTImaster families of quill feed drilling units.

Drilling with coolant through the tool application typically allows for a 20% increase in surface cutting speed, which results in higher chip removal rates and drastically reduces the machine cycle time.

This solution allows us to retrofit SUHNER quill feed units with internal coolant supply even on existing machines in a very clever uncomplicated way, thus providing increased benefits in machine efficiencies and production time.

Advantages:

- Simple retrofit for existing quill feed units
- Optimal cooling & lubricating at the tool
- Up to 20% higher surface speed
- Good chip removal
- Optimal lubrication for every tool
- No deflection or dissolve of coolant

Technical data:

- Spindle speed up to 12'000 rpm
- Coolant pressure: 50 bar / 725 psi
- Flow of coolant lubricates internal bearings
- Used for internal and external coolant application

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