INNOZL™ coolant nozzles for grinding applications



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| Features | Benefits |
|---|---|
| Correct and needs-based supply of cooling lubricant reduces the required flow rate | Lower pump capacity requiredLower cooling capacity requiredSmaller cooling lubricant system possible |
| Targeted cooling lubricant jet through optimal flow channel geometry improves cooling, lubrication and chip removal | Prevention of grinding burn Longer life of grinding disc Higher productivity Lower grinding costs Lower power consumption of spindles |

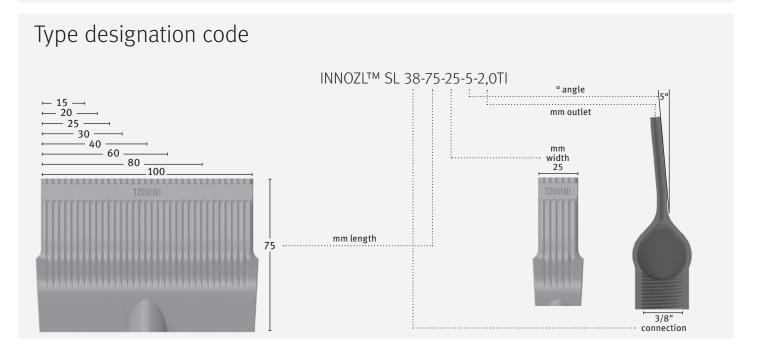
Areas of application

INNOZL™ coolant nozzles are designed for precision grinding and for stable series production. They are suitable both for the original equipment of new machines and for the retrofit of existing machines.

Description

INNOZL™ coolant nozzles

- prevent grinding burn by delivering the cooling lubricant directly to the contact zone at the same flow rate and speed
- are made of titanium with additive manufacturing process
- are equipped with internal flow channel geometry which keeps the flow velocity and direction constant for complex and high-quality grinding processes
- are examined in a flow analysis across the entire nozzle width for consistent cooling lubricant discharge
- are very compact and can be mounted as a single-piece accessory on existing machine cooling systems



Standard nozzles INNOZL™ SL

Available from stock.

INNOZLTM SL 14

Length 56 mm, outlet ø 1.6 mm, Widths 5, 8, 10, 12, 15, 20 mm



Available from stock.

INNOZLTM SL 38

Length 75 mm, outlet ø 2.0 mm, Widths 15, 20, 25, 30, 40, 50, 60, 80, 100 mm



Special nozzles INNOZL™ CL

Planning, design and manufacture of customised coolant nozzles according to customer requirements.



KNOLL Maschinenbau GmbH

Schwarzachstraße 20 DE-88348 Bad Saulgau Tel. +49 7581 2008-0 Fax +49 7581 2008-90140 info.itworks@knoll-mb.de www.knoll-mb.com



Adapter joint hoses made of stainless steel



- airtight
- exact positioning of the cooling lubricant nozzle
- kink-proof
- wear-resistant
- vibration-proof

Service

Identify challenges in your grinding process before problems arise. We support you with process mapping and on-site consulting. As a result, we provide you with a specially designed coolant nozzle for your grinding process for the optimised supply of the cooling lubricant to the machining point. The objectives include assurance of the product quality by avoiding thermal damage to your components, an increase in productivity and a reduction of the cooling lubricant and energy consumption.