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TOOLHOLDERS

**HYDRONUT**  
INTERNAL COOLING SOLUTIONS



**SCHAUBLIN**

Business card

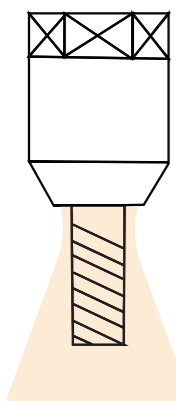
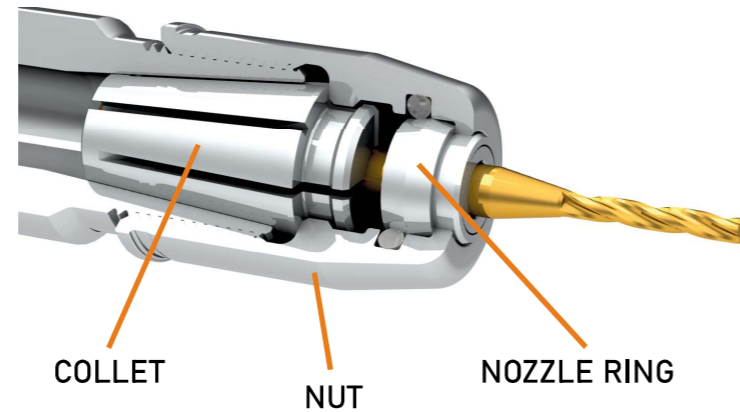
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# HYDRONUT

PATENT PENDING

The newest solution by SCHAUBLIN to **efficiently bring fluid** to the cutting edge.

The nut is equipped with nozzle ring fitting the tool body diameter. The nozzle accelerates the coolant, creating a jet that stays close to the tool at low and high revolution speed.

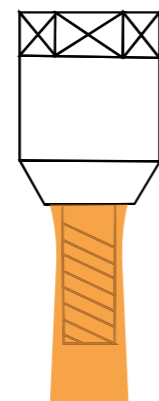


Existing solutions:

- **Low cooling flow**
- **High dispersion (spray effect)**

These effects are amplified as much as the revolution speed increases.

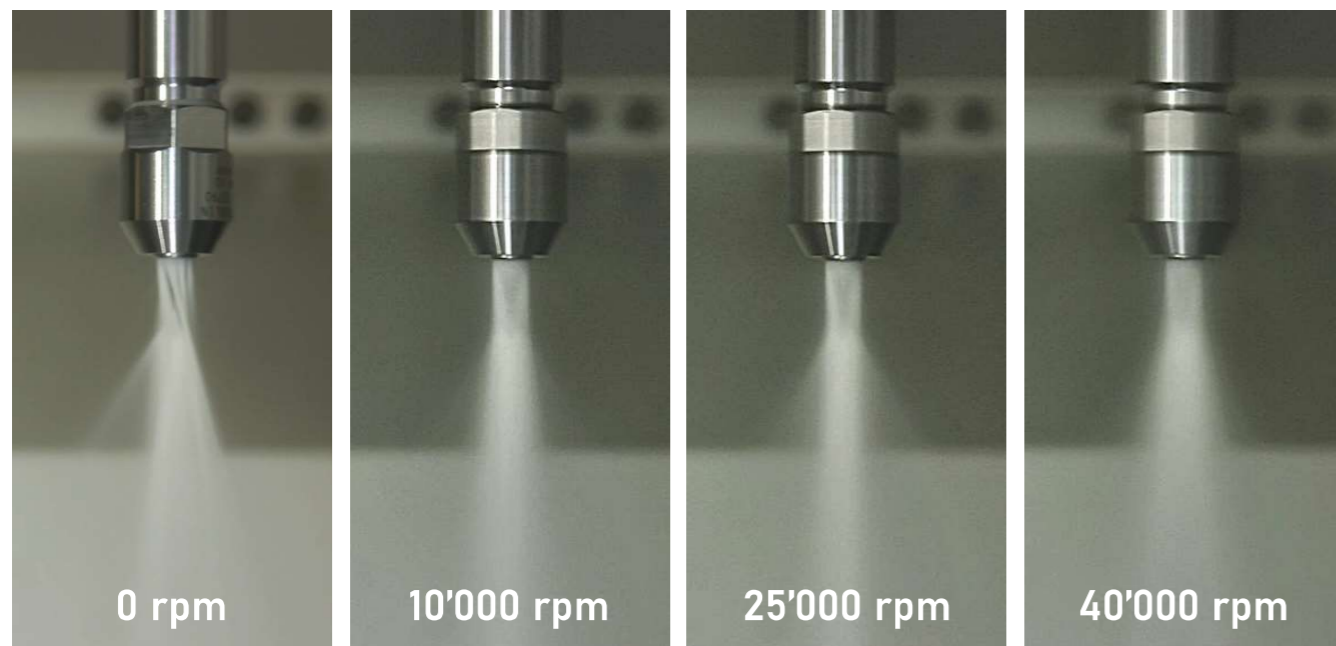
**INEFFICIENT COOLING**



HYDRONUT creates a **massive coolant flow** perfectly oriented to the cutting edge.

The cooling efficiency improves when revolution speed increases.

**UP TO 2x EXTENDED TOOL LIFE**



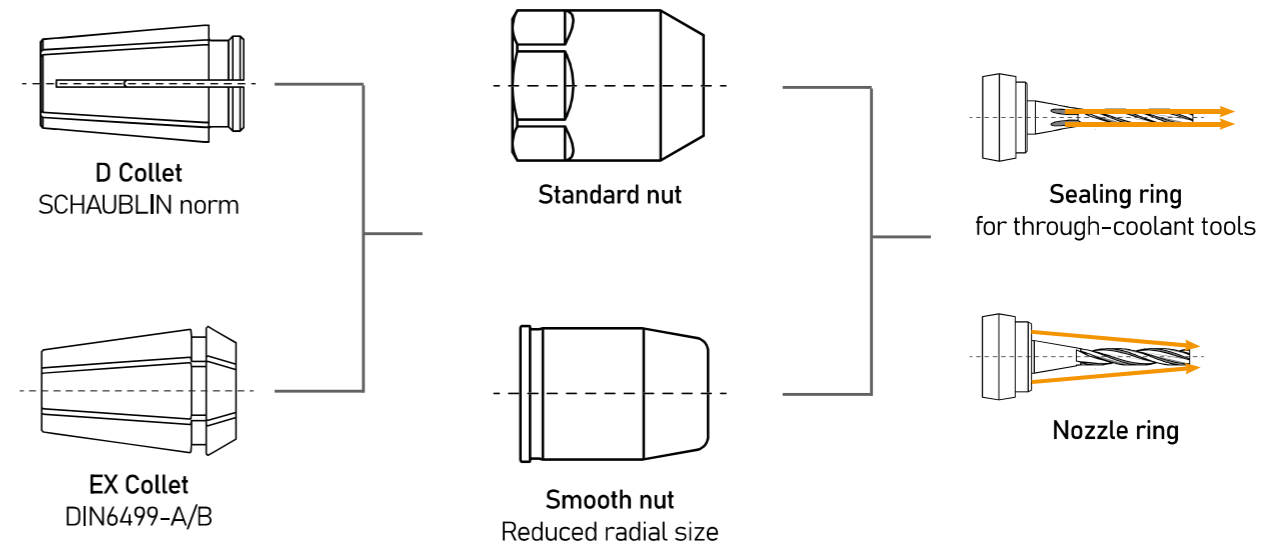
Pressure: 40 bar ; 580 PSI

## MODULAR SOLUTION

Hydronut can be used for standard tools as well as for through-coolant tools.

By replacing the **nozzle** with the **sealing ring**, you can easily switch between the two options:

- **SEALING RING:** for tools allowing through-coolant
- **NOZZLE RING:** for tools without through-coolant



	COLLET		NUT			RING	
	Art.	Clamp. range [mm]	Std Art.	Smooth Art.	Thread	Sealing Art.	Nozzle Art.
D10	74-10000	0.5 - 6.0	68-10790	68-10850	M12x0.75	68-10791	89-96010
D12	74-12000	0.5 - 7.0	68-12790	68-12850	M15x0.75	68-12791	89-96012
D14	74-14000	0.5 - 9.0	68-14790	68-14850	M17x1	68-14791	89-96014
D16	74-16000	0.5 - 10.0	68-16790	68-16850	M20x1	68-16791	89-96016
D20	74-20000	0.5 - 12.7	68-20790	68-20850	M24x1	68-20791	89-96020
D24	74-24000	0.5 - 16.0	68-24790	-	M28x1	68-24791	-
D29	74-29000	0.5 - 20.0	68-29790	-	M34x1	68-29791	-
EX12	75-12200	0.5 - 7.0	61-12730	61-12850	M14x0.75	68-12791	89-96012
EX16	75-16200	0.3 - 10.0	61-16772	61-16852	M19x1	68-16791	89-96016
EX16	75-16200	0.3 - 10.0	61-16710	61-16851	M20x1	68-16791	89-96016
EX16	75-16200	0.3 - 10.0	61-16730	61-16850	M22x1.5	68-16791	89-96016
EX20	75-20200	1.0 - 16.0	61-20710	61-20851	M24x1	68-20791	89-96020
EX20	75-20200	1.0 - 16.0	61-20730	61-20850	M25x1.5	68-20791	89-96020