

The **well-tested INTERNAL COOLANT SOLUTION** for tap **LUBRICATION** for **deep threading** applications



Improve the tap lifetime and reduce your lubricant consumption

As part of our ongoing optimization of customer applications, Pronic is presenting his internal tap lubrication solution which is a substitute then to the external micro lubrication.

As this technique is already used in machining operation, we did rely on our partner BASS GmbH (German tap manufacturer) for its expertise.

Compared to the external tap lubrication, the internal lubrication provides a regular lubrication on the side of the extrusion.

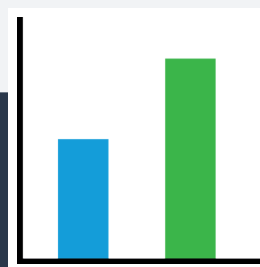
This is a key parameter when the extrusion height is: $\geq 1,5 \times \varnothing$ the tap.

Moreover, the lubrication is sprayed accurately and locally, so that the part is less soiled.

ADVANTAGES WITH INTERNAL COOLANT LUBRICATION:

- Lubricant **consumption optimization**
- Tap lifetime **improvement**
- **Continuous coolant and lubricating film** between the tap and the side of the extrusion
- Accurate **lubricant spray**

Tap lifetime



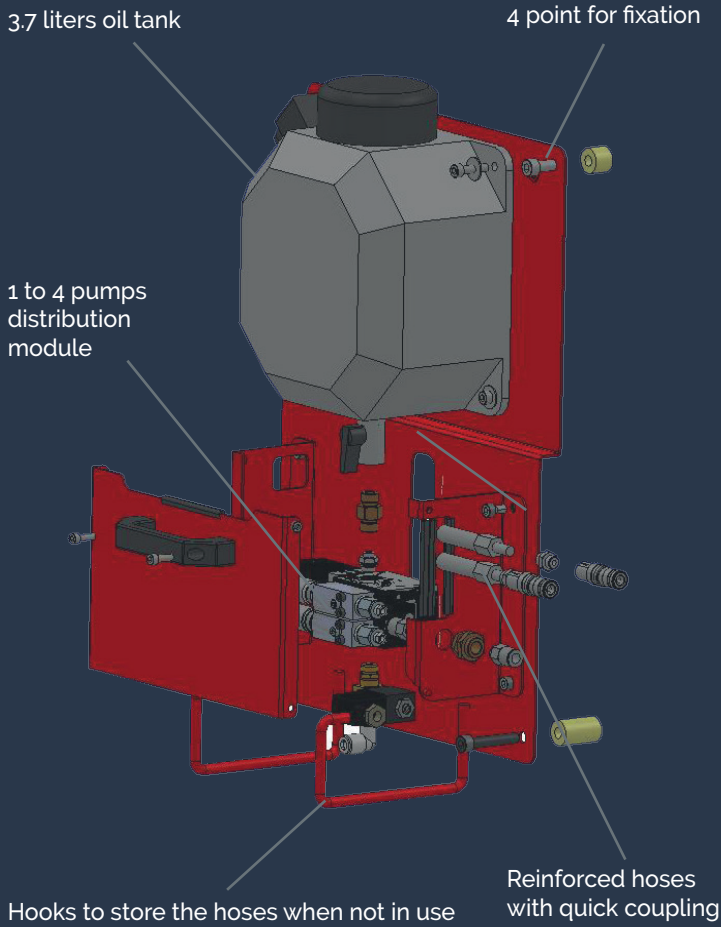
Increase of the tap lifetime by 60% compared to the external lubrication



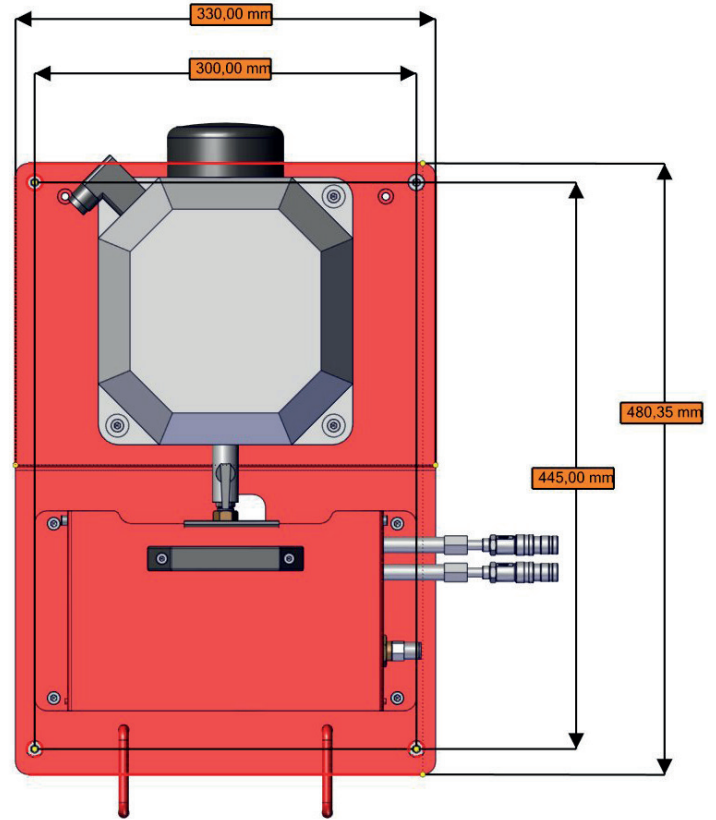
Using tap with internal lubrication makes the lubrication film between the tap and the extrusion side continuous.

SPECIFICATIONS:

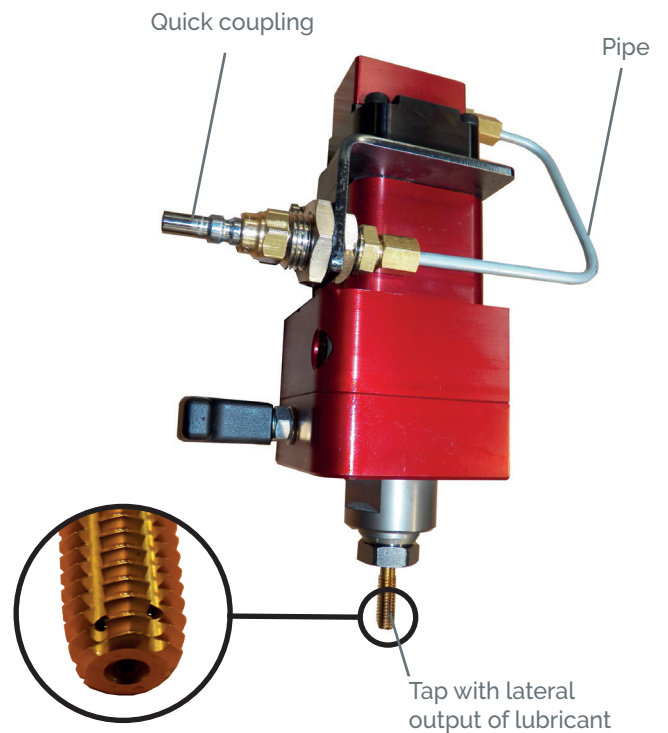
Model	Centrolub
Number of pumps	1 to 4
Oil tank capacity	3,7 liters
Valve	Solenoid 24Vcc
Oil flow rate per pump	0 to 270 mm ³ /s
Required airflow	75 NL/min
Max viscosity (at 40°C)	200mm/s
Hose length	5 meters



DIMENSIONS:



EXAMPLE OF A TAPPING HEAD WITH INTERNAL LUBRICATION FEATURE:



RANGE OF DEDICATED TAPS:

Along with our partner BASS, we are able to offer the right tap with internal lubricant pipe and lateral output in order to optimize the performance of the tapping, from M6 and up.

BASS
TECHNIK FÜR GEWINDE

