CENTROLUB
Tap internal lubrication solution

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

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

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.

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.

www.pronic.com
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.

**SPECIFICATIONS:**

<table>
<thead>
<tr>
<th>Model</th>
<th>Centrolub</th>
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</thead>
<tbody>
<tr>
<td>Number of pumps</td>
<td>1 to 4</td>
</tr>
<tr>
<td>Oil tank capacity</td>
<td>3.7 liters</td>
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<tr>
<td>Valve</td>
<td>Solenoid 24Vcc</td>
</tr>
<tr>
<td>Oil flow rate per pump</td>
<td>0 to 270 mm³/s</td>
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<tr>
<td>Required airflow</td>
<td>75 NL/min</td>
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<tr>
<td>Max viscosity (at 40°C)</td>
<td>200 mm/s</td>
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<tr>
<td>Hose length</td>
<td>5 meters</td>
</tr>
</tbody>
</table>

**DIMENSIONS:**

- 3.7 liters oil tank
- 4 point for fixation
- 1 to 4 pumps distribution module
- Hooks to store the hoses when not in use
- Reinforced hoses with quick coupling

**EXAMPLE OF A TAPPING HEAD WITH INTERNAL LUBRICATION FEATURE:**

**RANGE OF DEDICATED TAPS:**

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