

September 2019

## **Economically chipless thread manufacturing in wrought aluminium and cast aluminium alloys**

REIME NORIS expands its product portfolio for wrought aluminium and cast aluminium alloys with two newly developed cold forming taps.

Both tool types, like all taps of the "NEO" series, are made of HSSE-PM substrate. However, they differ in geometry and coating in order to achieve outstanding results in the respective field of application.

### **NORIS SPANLOS NEO AL**

The NORIS SPANLOS NEO AL cold forming tap has been developed especially for the machining of wrought aluminium alloys. The geometry with an asymmetrical pressure point shape acts in the forming direction through a relatively steep stroke with very low torque. The stroke on the back is much flatter and thus has a supporting effect. This combination results in an enormous increase in tool life. A DLC (diamond like carbon) coating reliably protects against cold press welds, which occurring frequently in these materials.



#### **picture caption:**

NORIS SPANLOS NEO AL

### **NORIS SPANLOS NEO GAL**

The NORIS SPANLOS NEO GAL cold forming tap has been developed especially for thread forming in difficulty deformable aluminium casting alloys. The geometry has a steeply pronounced symmetrical stroke both in the forming direction and at the back. The special feature is a sliding surface in between, which offers targeted resist to the particularly high abrasiveness of these cast materials. A multi-layer TiCN coating, which has proven particularly effective in cases of abrasive wear, functions as a coating here.

In the standard product portfolio, the metric dimensions common for these materials, up to and including M10, are available, from M4 also with coolant hole. As in the entire range of NORIS SPANLOS tools, these two new types are also available from stock only with lubrication grooves.

**REIME NORIS: Threading technology in highest precision with over 100 years of experience!**



**picture caption:**

NORIS SPANLOS NEO GAL

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**About the company:**

The REIME NORIS GmbH, Feucht b. Nuremberg, was founded in 1915 and today concentrates on the production, development, application technology and sales of precision threading tools such as taps, thread formers and thread mills. In addition to the name REIME, the NORIS brand is also well known in the professional world. Today REIME is represented in more than 40 countries by subsidiaries and specialized dealers.