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Efficient Cast Iron Threading with NORIS GGV

Modern cast iron materials are used in highly dynamically and thermally stressed components. So in the automotive industry e.g. components such as steering knuckles, brake support assemblies, bearing blocks or engine case already are manufactured from cast iron, and materials such as EN-GJS-450 or GJV-450 give convincing proof of their suitability by excellent mechanical and physical properties.

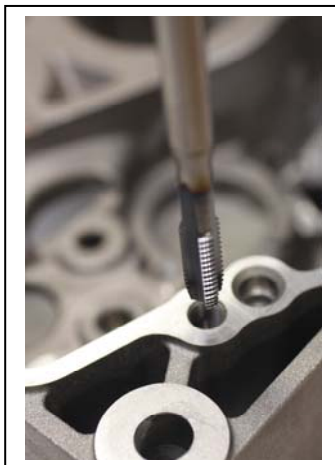
At the cutting process, however, these materials are more demanding as far as the tools are concerned, due their particularly high strength. In particular tools with a geometrically defined cutting edge are subject to wear and tear for the high abrasiveness of this cast iron.

By the development of the new taps NORIS GGV, REIME offers effective solutions for this case. The accurate harmonization of cutting edge geometry and finish treatment results in an optimum cut of these cast iron materials; however, they prove their suitability also when being used for lower cast iron qualities, such as EN-GJL-250.

To guarantee a high wear resistance, these taps are made of HSS-PS (powder metallurgical HSS) and coated with the proven TiCN. By default these high-efficiency taps are also offered with internal coolant supply.

Furthermore threading tools are challenged by the design of these components with reduced weight. This means the use of a minimum of material resulting in thinner wall thicknesses and also in shorter thread runouts. Therefore REIME offers also thread drills with shortened tap point (Form E) in order to be able to also efficiently machine components with a reduced weight.

Conclusion: By NORIS GGV taps also modern cast iron materials can be reliably machined!



Picture legend:
Example for machining with tap NORIS GGV

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About the company:

Ernst Reime Vertriebs GmbH, Feucht near Nuremberg, was founded in 1915 and now focuses on the production, development, application and sale of precision thread tools such as tap drills, thread formers and thread milling cutters. In addition to the name REIME, among the experts also the NORIS brand is very well known. REIME is currently represented by selected dealers in over 40 countries around the world.