

Guhring Publishes New Threading Catalogue



Guhring has now extended its extensive range of threading products with the arrival of the new Pionex threading line. The new generation of fluteless and cut, machine taps have been developed to reduce axial forces and torque by up to 30% whilst improving surface finishes and tool life.

The new generation of Pionex machine taps now appear in a new 20 page catalogue that is available to download from www.guhring.com Discussing the new generation of taps, Guhring UK's Sales Manager, Mr Dave Hudson says: "We have Power taps,

the SL tap range plus a complete tapping catalogue, which can sometimes make it difficult for the engineer to determine the most suitable variant for specific applications. Over a period of time, we have developed a threading range with various geometries, optimised them and put them into a range that covers over 85% of the industry applications. This is all now in the new Pionex threading catalogue.”

The new Pionex Series includes 45 degree helix geometry with a reduced rake angle, back tapering and improved relief; all this culminates to provide unprecedented performance and swarf removal. With a h6 shank tolerance for use in all types of clamping chucks and the Forming tap that has a new lubricating groove to improve thread formation, the next generation Pionex is an impressive threading prospect for any machine shop.

As Mr Hudson continues: “We developed a new profile of fluteless taps together with enhanced geometries, coatings and surface finishes and this has resulted in much longer tool life and massively reduced cutting forces. The new extension to the range is the cut tap with a range of spiral point and spiral flute, which helps the end user with regard to swarf control.”

“The biggest issue with tapping is always swarf control and more taps break through poor swarf control than for any other reasons. This is particularly the case in retraction when the tap is in reverse. The biggest challenge is always to make the swarf fall away from the tap rather than get wrapped around it and we’ve certainly achieved that with the new Pionex.”

The Pionex range is manufactured from HSS-E or PM30 with Guhring’s new aluminium nitride or zirconium coating technology. “The diverse capabilities of the Pionex range through its innovative swarf controlling geometry means that this new Pionex range can be applied effectively to 85% of targeted applications that range from standard low carbon steels to the tougher steels and stainless steels. For exotic materials, we have a very diverse range that caters for all types of heat resistant alloys.”

The new Pionex is available with metric threads in course or fine pitch as well as UNC, UNF, BSP in all diameter and pitch variants with a complete line of special thread designations also available upon request.

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