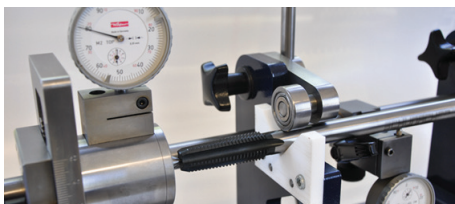


SCHUMACHER

PRECISION TOOLS SINCE 1918



The Tool Developers.®



Threading technology for the

Nut Industry



by Schumacher



Special Taps for Nut Production

Threading Tools for the Nut Industry

SCHUMACHER
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The Company



Schumacher has been developing and producing high-end special threading tools since 1918.

In addition to our first class products, key characteristics of Schumacher are our flexible services in the segments customer-oriented research and development, stock management, logistics and after-sales-support. These services can only be provided in a highly

competitive international environment if built upon an excellent cost base.

The product range for the nut industry comprises taps and forming taps.

Tailored to the individual requirements of our customers, these special tools are made of high-alloyed high-speed steels, powder-metallurgical substrates and solid carbide.

A Competitive Edge Through R+D Activities

Management tools developed together with Aachen Technical University (RWTH) serve as the backbone to consistent processing of information at Schumacher.

A data bank-oriented product design combined with DP-based production and logistics ensure the professional character expected by sophisticated end customers.

This not only comprises tool production but also affects providing technology and logistics data online for customer purposes.

Schumacher has been working as a partner of the nut industry in these key segments for more than 50 years.



Schumacher nut taps: HSS-E and solid carbide

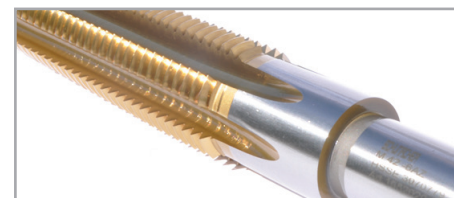
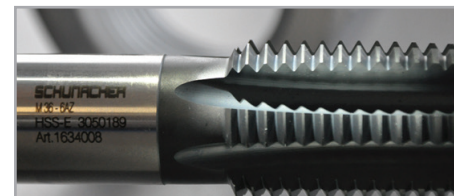
Our special machine nut taps series 6XX is equipped with a geometry that allows extremely high cutting speeds (Vc). This series features five flutes, 20 pitches and a special hard material coating and permits the use of narrowed nut tolerances.

Examples from the Schumacher tool line for nut production:

Machine nut taps HSS-E according to company standardization

- 20 pitches, modified flank diameter in chamfer section
- special surface treatment
- geometry for high speed cutting

- Art. No. 603 with shank pilot for extra shank length
- Art. No. 606 with straight extended shank for automatic machines in nut production
- Art. No. 607 with bent extended shank for automatic machines in nut production



Benefit from our experience

- Machine nut taps in any required thread tolerances – from dimension M 3 to dimension M 56
- Special geometries for high speed cutting
- High-alloyed high-speed steels as basic substrate
- Adaptation of special taps to any established automatic machines for nut production
- Concentricity control for any extended shank nut taps
- Stock management, re-sharpening services, re-coating
- Newly developed measuring device SG10 for quality control of extended shank taps' concentricity
- More than 50 years of R+D activities for the nut production industry



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