SCHUMACHER
PRECISION TOOLS SINCE 1918

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TYPHOON
PM-Line
by Schumacher

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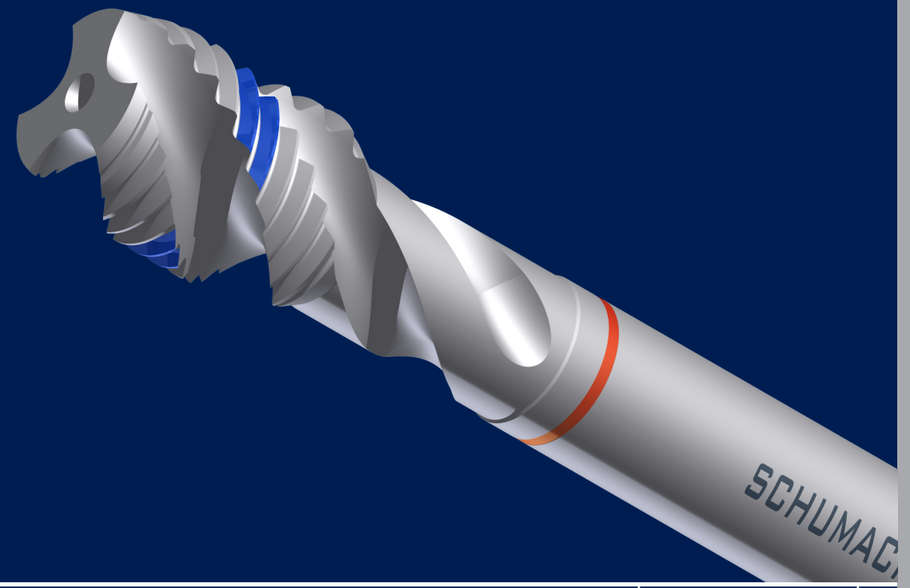
TYPHOON

Threading in Advanced Applications



ToolDesign
by Schumacher

Taps for high-end applications

Project TYPHOON

The Technology of TYPHOON

> High alloyed PM-steel substrate
> Optimized heat, surface and cutting edge treatment for process security in production
> State-of-the-art TiCN-coating

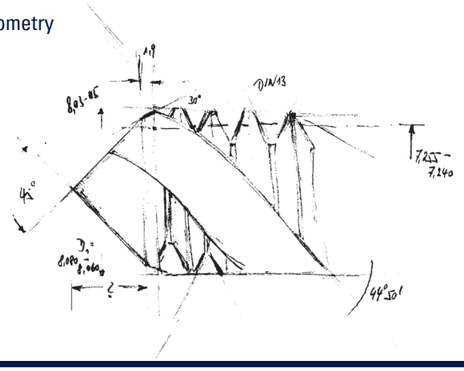
Art. 334/48 and 434/48 TYPHOON

Art. 313/48 and 413/48 TYPHOON B

> Specific tool geometry, developed in long-term test series using “Rapid-Prototyping” methods

> Tight tolerances in tool production for accuracy in process, ensured by increased efforts in “Tool Quality Management”

> Administered through our engineering and production system ToolDesign, ensuring a 100% reproducibility of the tool geometry



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The Advantages of TYPHOON

> Increased cutting speeds – due to new tool geometry and advanced coating technology
> Reduction of torque – following optimized chip evacuation and reduction of friction
> Improvement of thread surface quality (workpiece)
> Increase of tool life – up to threefold
> Suitable for a broad range of threading operations – especially in high-alloyed materials
> Off-stock in catalogue 123 G from M 3 - M 20

Selected workpiece materials and cutting data

Material:	Cutting Speed:	Coolant:
ST37/ST52	Vc=25m/min	Emulsion
C45	Vc=25m/min	Emulsion
Alloyed Steels	Vc=25m/min	Emulsion/Oil
INOX Steels	Vc=10m/min	Emulsion/Oil
GGG	Vc=15m/min	Emulsion
Cu-Alloys	Vc=20m/min	Emulsion
Al-Alloys	Vc=30m/min	Emulsion

Industries

>> Automotive Industry

>> Oil & Gas Industry

>> Energy Industry

>> Schumacher Turbine

Examples for successful applications

> Production of clutches, breaks and couplings for the automotive industry
> Special turbine steel applications in the energy sector
> High-alloyed and stainless steels for the oil & gas industry