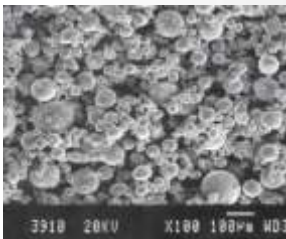




MASTERTAP's was designed for high-performance tapping a wide range of materials such as steel, stainless steel, cast iron, non-ferrous metals, heat-resistant alloys and titanium alloys.

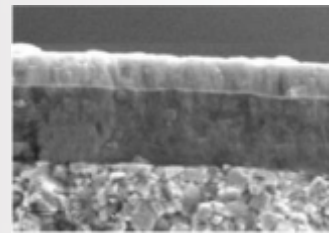
Threading may be performed both on modern efficient machining centers with high cutting speeds, older type numerical machines and conventional machines with a slightly lower performance. The most important taps design feature is the combination of innovative solutions in the area of tools stereometry and micro-geometry also the use of innovative nano-structured PVD coatings. The combination of these features makes the tool universal, lets you work with high cutting speeds, ensures excellent surface quality and dimensional accuracy of made threads threads.



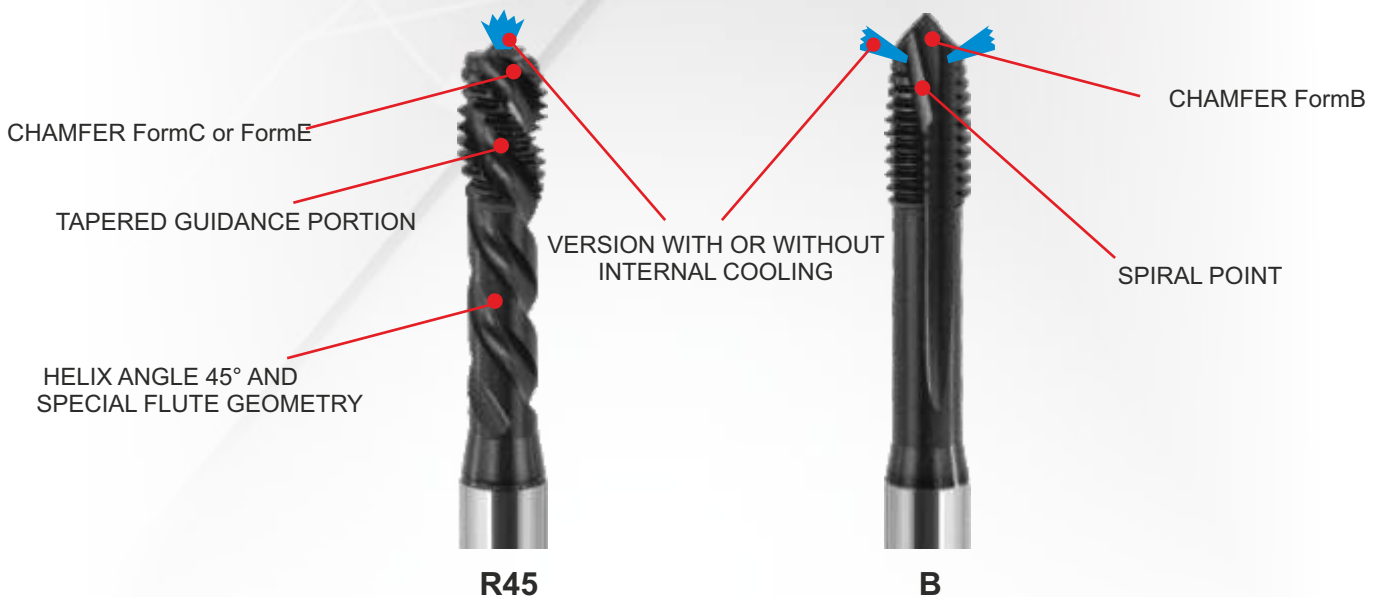
POWDERED STEEL



SPECIAL MICRO-GEOMETRY OF CUTTING EDGE



MULTI-LAYER HARD MATERIAL COATING



FEATURES:

- Made of HSSE-PM – high-speed powder steel
- The multi-layer coating based on TiAlN + WC / C with extra hardness and extremely smooth surface
- Innovative geometry and micro-geometry of cutting edges
- Diameter range for metric threads from M2 to M16 and metric threads fine from M8x1 to M16x1,5
- Available in many different variants.

YOUR ADVANTAGES:

- One tool for working with wide range of materials
- The longest tool life in comparison with other products on the market
- Machining with increased cutting speeds
- The best quality of machined surfaces
- Guaranteed optimum chip evacuation
- High level of process reliability
- The possibility of wet and MQL (Minimum Quantity Lubrication) working

THE APPLICATION:

- For ISO material groups
 - **P** – steels
 - **M** – stainless steels
 - **K** – cast iron
 - **N** – non-ferrous materials
 - **S** – heat-resistant alloys and titanium alloys
- For use in engineering, automotive, aerospace, energy industries



VARIANTS:

- **B** – FormB chamfer (4-5xP) with spiral point, for through holes
- **B-IKR** – FormB chamfer (4-5xP) with spiral point, for through holes with internal coolant for longer tool life and better chip evacuation
- **C-R45** – FormC chamfer (2-3xP) with spiral flutes with an angle of 45°, for blind holes
- **E-R45** - FormE chamfer (1,5-2xP) with spiral flutes with an angle of 45°, for blind holes and threading almost the entire length of the hole
- **E-R45-IK** - FormE chamfer (1,5-2xP) with spiral flutes with an angle of 45°, for blind holes and threading almost the entire length of the hole with internal coolant for longer tool life and better chip evacuation



Catalog and more information available on the www.fanar.pl and www.mastertap.eu

