

Micro tools for universal application

Benefits of the WTX Micro:

- ▲ **Special drill point** guarantees maximum positioning accuracy and outstanding centering properties
- ▲ **Lapped surfaces and patented chip space openings** allow for rapid and reliable chip removal
- ▲ **Innovative Dragonskin DPX74-M** makes the WTX Micro resistant to heat and wear
- ▲ **Spiral through coolant holes and a Power chamber along the whole shank length** ensures optimum cooling of the cutting edges, significantly extending tool life
- ▲ **Process security and tight tolerances** are a priority and the WTX Micro has been successfully engineered for this very purpose
- ▲ **Ultra-fine grain carbide** from CERATIZIT ensures consistently outstanding tool quality



Learn more

Specialized application recommendations are provided in our main catalog for the use of WTX Micro and WTX Micro deep hole drills.



About Dragonskin

The Dragonskin coating technology offers maximum protection against external influences and effectively minimizes premature tool wear. The perfect combination of state-of-the-art high-performance substrates and innovative coating structure achieves high cutting speeds and increased process security. A proven increase in performance of up to 80% provides you a significant competitive advantage.

Benefits of the Dragonskin coating:

- ▲ Considerably less wear and therefore lower costs per unit
- ▲ Perfect chip flow coupled with increased tool life
- ▲ Minimal chip adhesion
- ▲ Reduced cutting pressure

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Learn more



Part of the Plansee Group

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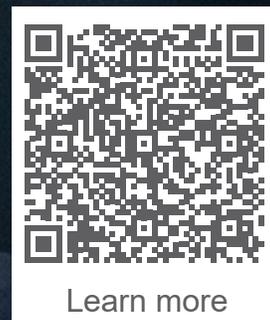
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#13061727

WTX Micro

High-performance
micro drills and
micro deep hole drills

Micro drills
for universal use



CERATIZIT is a high-technology
engineering group specialized in cutting
tools and hard material solutions.

Tooling a Sustainable Future

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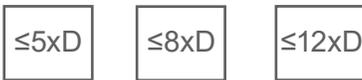


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Tooling Information

Maximum precision and accuracy up to 30xD

WTX Micro drills

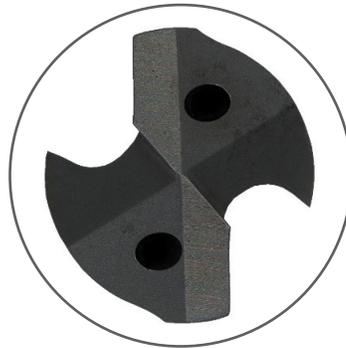


5xD pilot drill for WTX Micro deep hole drills

WTX Micro deep hole drills



- ▲ \varnothing 0.80 - 2.90mm
- ▲ Straight, main cutting edge
- ▲ 4 facet grind
- ▲ Cutting diameter tolerance:
m6 (5xD)
h6 (8xD-30xD)



Special drill point:
enhanced centering
properties

Carbide (10% cobalt)

Spiral through coolant

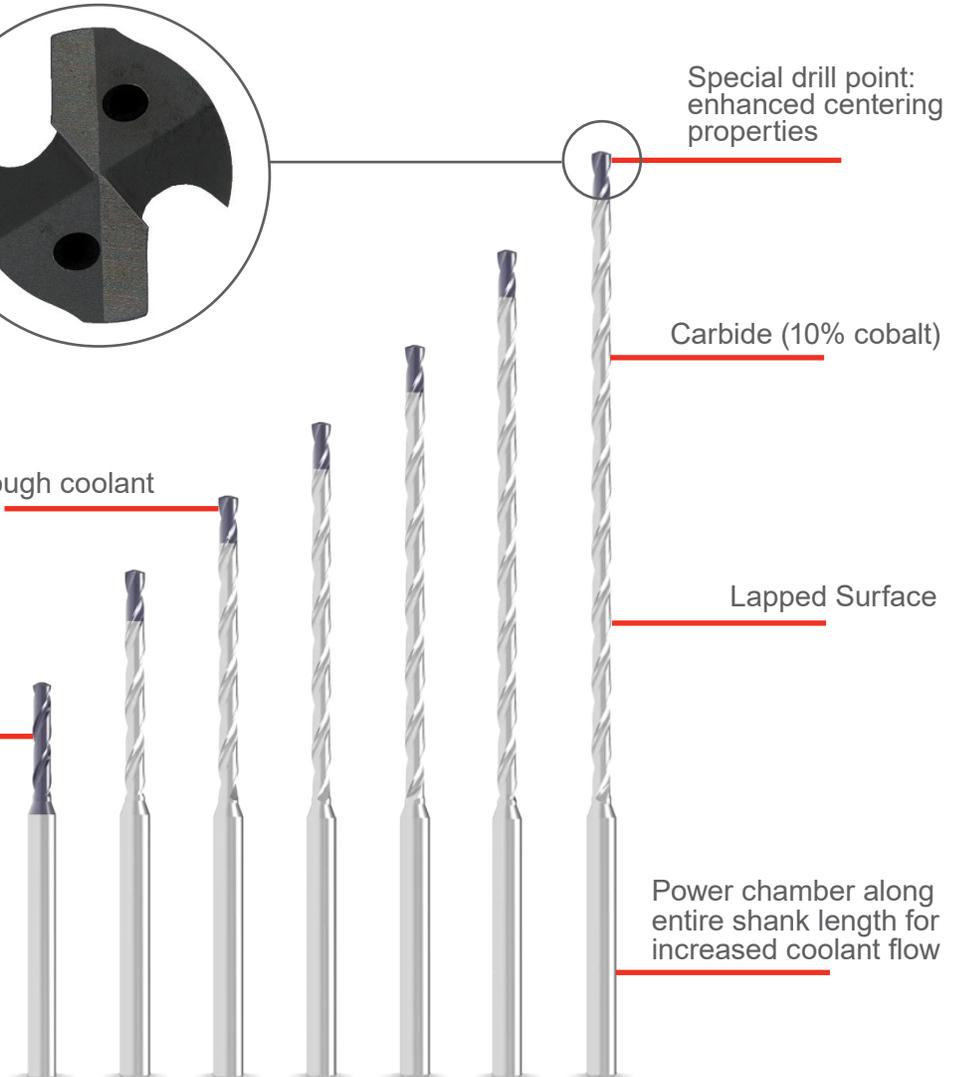
Lapped Surface

The tools are coated approximately 1xD resulting in a productive and reliable drilling operation.

Coating: DPX74M - specialized for applications in the micro range and provides a high level of tool life and wear resistance.

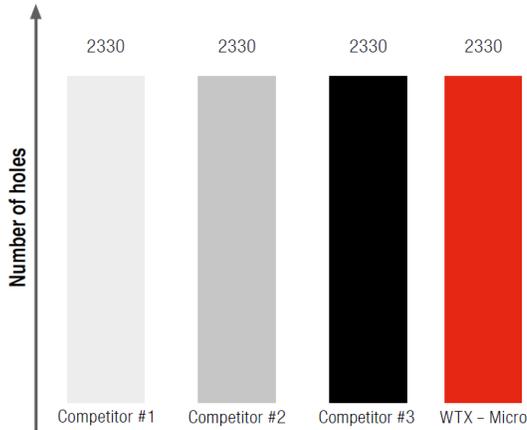
Power chamber along entire shank length for increased coolant flow

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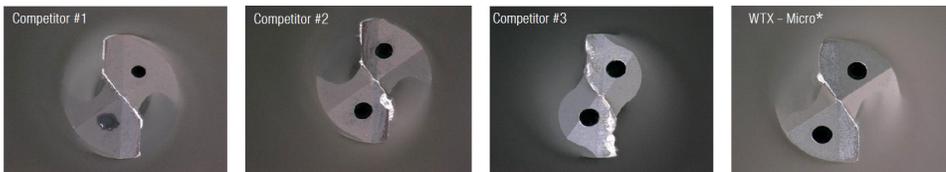
Increase your productivity and gain up to **40% higher** tool life with WTX Micro

Micro drills - 5xD blind hole



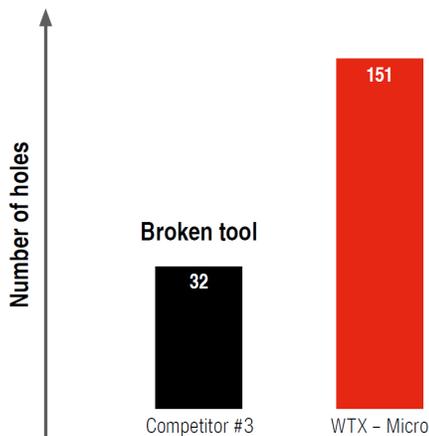
TEST CONDITIONS

ISO P Material: 4140
Cutting Data:
 Speed: 164 ft/min (16064 RPM)
 Feed Rate: 0.0015 in/rev (24.1 in/min)
 Depth: 0.197 inch
 Diameter: 0.039 inch (1.0mm)
 Through coolant: Emulsion



*Reduced and consistent wear pattern

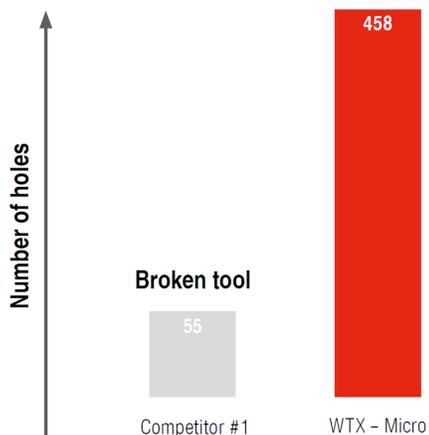
Micro drills - 30xD blind hole



TEST CONDITIONS

ISO P Material: 5115
Cutting Data:
 Speed: 164 ft/min (16064 RPM)
 Feed Rate: 0.0004 in/rev (6.4 in/min)
 Depth: 0.984 inch
 Diameter: 0.039 inch (1.0mm)
 Through coolant: Emulsion

Micro drills - 10xD through hole



TEST CONDITIONS

ISO P Material: 5115
Cutting Data:
 Speed: 98 ft/min (9599 RPM)
 Feed Rate: 0.0006 in/rev (5.8 in/min)
 Depth: 0.394 inch
 Diameter: 0.039 inch (1.0mm)
 Through coolant: Emulsion