

CoroTurn® PI

Secure and efficient internal turning



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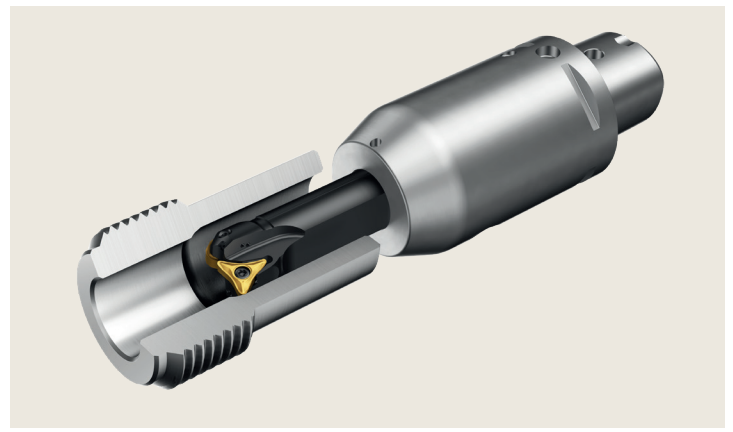
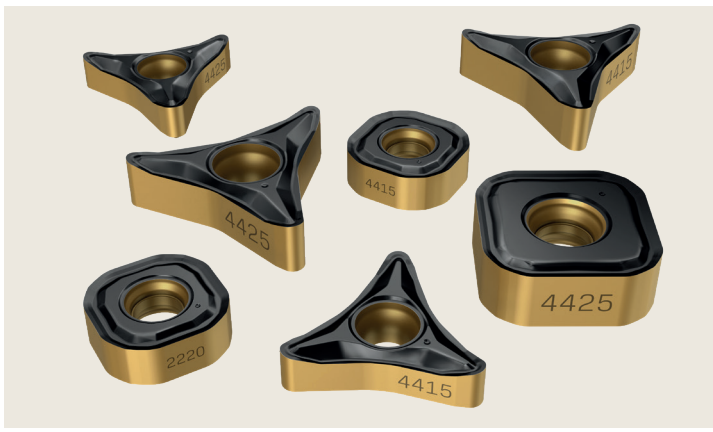
Tight spaces — your comfort zone

Vibration, build-up and tight tolerances are challenges internal turning operators know all too well.

CoroTurn® PI brings security and precision where demands are high and space is limited, applying our PrimeTurning™ methodology with small entering angles and multi-directional turning, now paired with a precisely engineered chip breaker.

With stability and control, it turns tight spaces into comfort zones.





Features and benefits

- Improves efficiency in internal turning by combining roughing and finishing with a single tool
- Applies the PrimeTurning™ methodology of small entering angles and multi-directional turning
- Features a high-precision chip breaker for improved chip control
- The roughing insert features a wiper design for excellent surface quality and high-feed capabilities
- Ensures process security, even in challenging materials, which reduces downtime
- Increases tool life by utilizing the PrimeTurning™ methodology
- Improves cost-efficiency through longer tool life and the eight cutting edges of each roughing insert

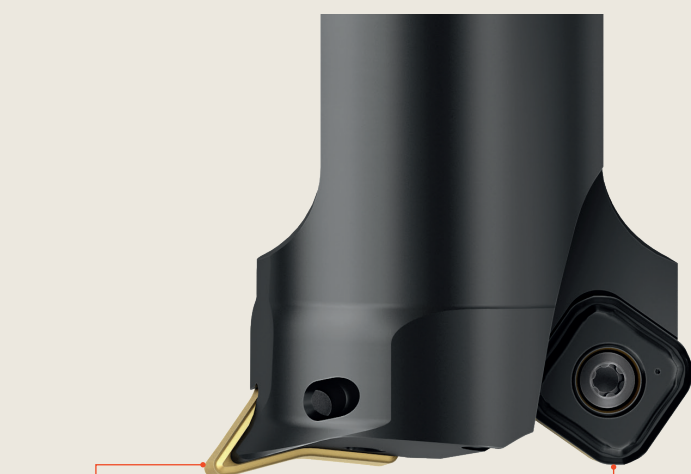
Application

- Internal turning operations where stability and chip control are critical
- Diameters from 20 to 50 mm (0.787 to 1.968 inch) and a maximum depth of $2.5 \times DC$
- Grades GC4415, GC4425, GC2220 and GC1205
- Components such as connection hubs, ring gears and shafts with holes

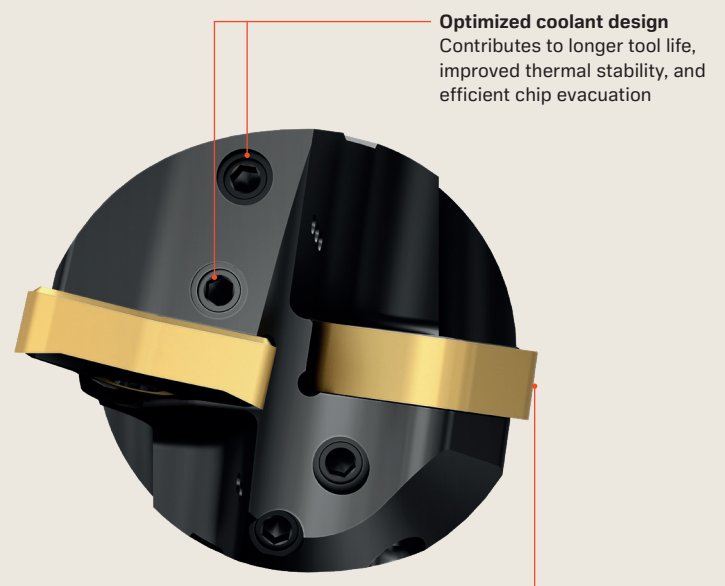


ISO application areas

Enablers for secure internal turning



Precise chip breaker
Boosts roughing and finishing performance while improving process reliability



Optimized coolant design
Contributes to longer tool life, improved thermal stability, and efficient chip evacuation



Wiper technology
For excellent surface quality and high-feed capabilities in pre-machining

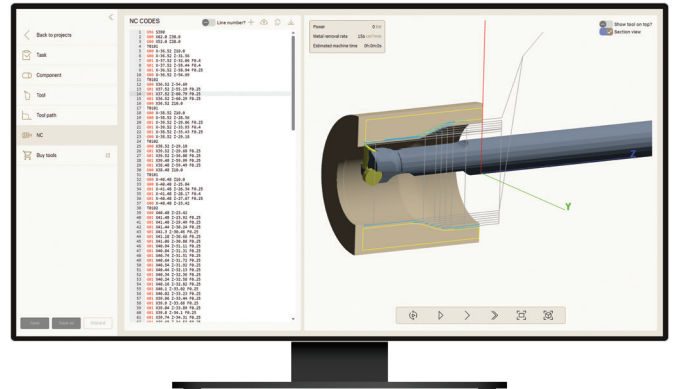
Eight cutting edges
For cost-efficient turning and longer tool life

Unlock the full potential of your machining processes with CoroPlus® Tool Path

CoroTurn® PI can be programmed directly in CoroPlus® Tool Path, a software designed to handle a variety of component types and complex contours, including:

- Blind holes
- Through holes with or without profile
- Profiles with chamfer and radii, undercuts and reliefs, and multiple steps

The advantage? CoroPlus® Tool Path automatically considers both inserts throughout the process, including precise corner clean-up for the finishing insert.



Service offer



Yellow coat support

Our machining experts support you with tooling, programming and strategic advice throughout the entire process.



CoroPlus® Tool Guide

Discover the digital yellow coat experience with our CoroPlus® Tool Guide platform, meeting all your application needs.



Carbide recycling

We buy back your worn-out carbide tools to make brand new ones, reducing waste and conserving resources through recycling.

Discover more:
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Authorized distributor

