

**HCL**

# Introducing PrimeTurning™ from Sandvik Coromant in HCL CAMWorks

For increased feeds & speeds, shorter cycle times and  
longer tool life



With a high material removal rate, more than 50% reduced cycle time for turning, and a more than 500% increased insert tool life, PrimeTurning™ is a significant turning innovation available now with HCL CAMWorks.

HCL CAMWorks is one of the first integrated CAM systems to support Sandvik Coromant's PrimeTurning™, which uses CoroTurn® Prime Type-A and Type-B tools in conjunction with unique toolpaths to achieve increased feeds and speeds, shorter cycle times, and longer tool life. PrimeTurning™ offers the flexibility for turning operations in all directions.

## ADVANTAGES OF PRIMETURNING™

		
<p>High material removal rate compared to conventional turning</p>	<p>Reduced cycle time for turning by 50% or more</p>	<p>Increased insert tool-life by 500% or more</p>
		
<p>Full toolpath support to do turning in all directions</p>	<p>Higher machine utilization and less time with setup and tool changes</p>	<p>Extremely fast return on invest, higher productivity</p>

### Extremely Fast Return On Investment With Higher Productivity

The shape of the CoroTurn® Prime tool inserts, combined with toolpaths that turn in the opposite direction than those with a conventional turning process, makes it possible to achieve a smaller entry angle and better chip control. This allows the machine to achieve a higher feed rate – typically 2 to 3 times faster than conventional feed rates – while still maintaining the same close tolerances and quality finishing. In addition, the direction of the toolpaths provides the ability to machine right up against a 90-degree shoulder on parts.

TYPE A PRIME TURN INSERT	TYPE B PRIME TURN INSERT
	

### Extended Tool Life

PrimeTurning™ significantly extends tool life. With conventional turning, the high heat and high load are focused on the corner of the tool insert, where the least amount of carbide is found. With PrimeTurning™, the high heat and high load is spread over a longer distance, distributing the strain over the larger portion of the cutting edge and the area with the higher volume of carbide. This provides a tool life that is up to 500% longer than typical tool life when using conventional turning methods.

# PRIMETURNING™ TOOL LIBRARY IN CAMWORKS TECHDB

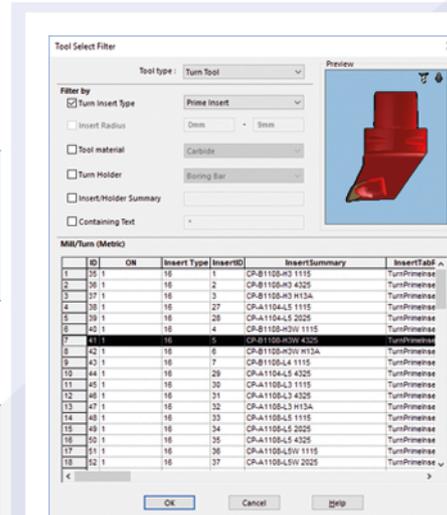
PrimeTurning™ inserts offered by Sandvik Coromant are available with CAMWorks Technology Database or TechDB™

- Includes both type A and B PrimeTurning™ inserts

- Easily accessible directly inside the patented CAMWorks Technology Database

- Library of over 85 unique PrimeTurning™ tools

- Filter exclusively for quickly locating PrimeTurning™ inserts and tools



TYPE A



TYPE B

## About CAMWorks

CAMWorks – the next generation, best-in-class CNC programming solution that enables users to program smarter and machine faster – was originally introduced in 1997. This state-of-the-art solids CAM product is designed for product-oriented manufacturing companies, and is available for machining centers, turning, mill/turn, and wire EDM applications. CAMWorks® with Machining Intelligence is the most advanced CAM programming software available for getting products to market faster, more efficiently, and within budget.

For more information: [www.camworks.com](http://www.camworks.com) Email : [camworks.marketing@hcl.com](mailto:camworks.marketing@hcl.com)



HCL Technologies (HCL) empowers global enterprises with technology for the next decade today. HCL's Mode 1-2-3 strategy, through its deep-domain industry expertise, customer-centricity and entrepreneurial culture of ideapreneurship™ enables businesses to transform into next-gen enterprises.

HCL offers its services and products through three lines of business - IT and Business Services (ITBS), Engineering and R&D Services (ERS), and Products & Platforms (P&P). ITBS enables global enterprises to transform their businesses through offerings in areas of Applications, Infrastructure, Digital Process Operations, and next generation digital transformation solutions. ERS offers engineering services and solutions in all aspects of product development and platform engineering while under P&P. HCL provides modernized software products to global clients for their technology and industry specific requirements. Through its cutting-edge co-innovation labs, global delivery capabilities, and broad global network, HCL delivers holistic services in various industry verticals, categorized under Financial Services, Manufacturing, Technology & Services, Telecom & Media, Retail & CPG, Life Sciences, and Healthcare and Public Services.



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