CoroMill® MS40

The ultimate tangential milling solution

SANDVIK
coromant

Robust design — trusted power

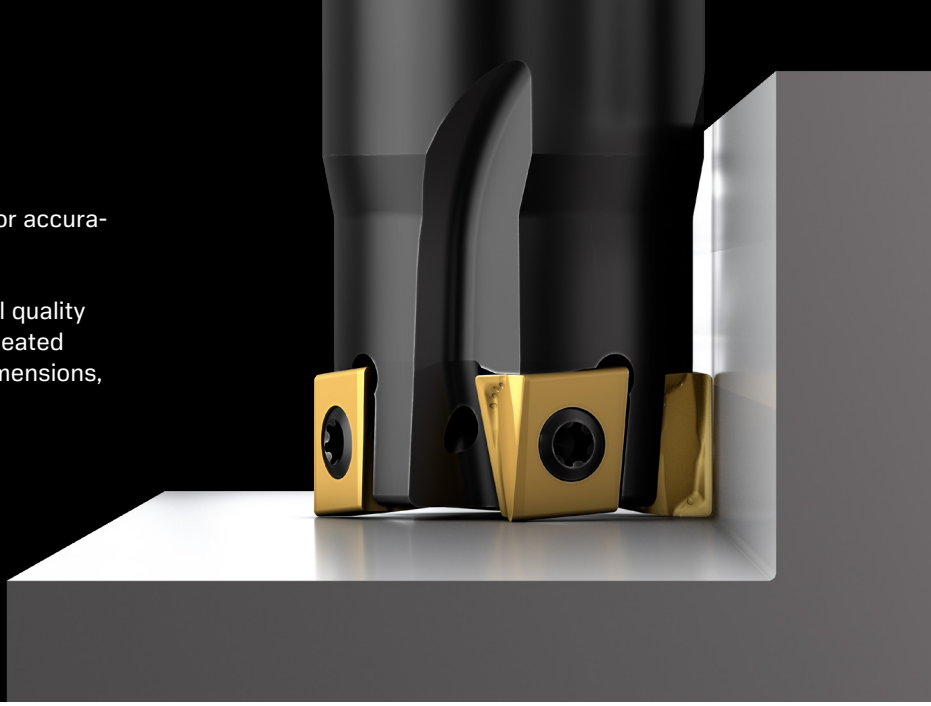
CoroMill® MS40 is engineered with tangentially mounted inserts, maximizing the core strength of the tool body. Its design ensures effortless machining of the most demanding face and shoulder milling applications.

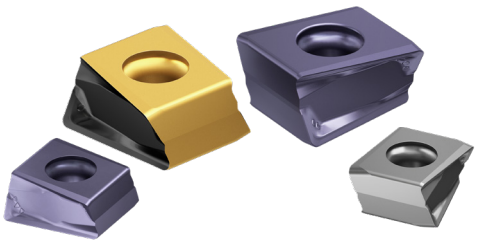
Featuring four cutting edges per insert and a robust cutter body, you can trust CoroMill® MS40 to be your powerful ally in achieving unmatched productivity and reliability.

Side milling perfected

CoroMill® MS40 is a true 90-degree cutter designed for accurate and reliable side milling and repeated passes.

Thanks to precise edge line overlapping, excellent wall quality and minimized mismatch are achieved when using repeated passes. The outcome is flawless walls with precise dimensions, minimal roughness and perfect perpendicularity.





High-performance inserts

Optimized geometries for ISO P, M, K and S applications, ensuring high performance and long insert tool life.

Stable insert positions

Reliable insert clamping with wide support faces ensure exceptional stability and reliability.

Safe insert design

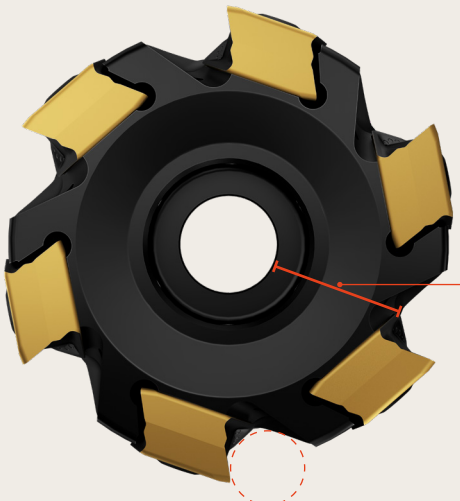
Flank edge relief is independent from the main support face, ensuring insert indexation.

Tangential milling concept benefits

Easy access
Peripheral insert screw for easy insert indexing.

True accurate 90°
Side milling and repeated passes designed.

High wear resistance and stability
Cutting load resistant thanks to the high volume of carbide in the direction of cutting force.

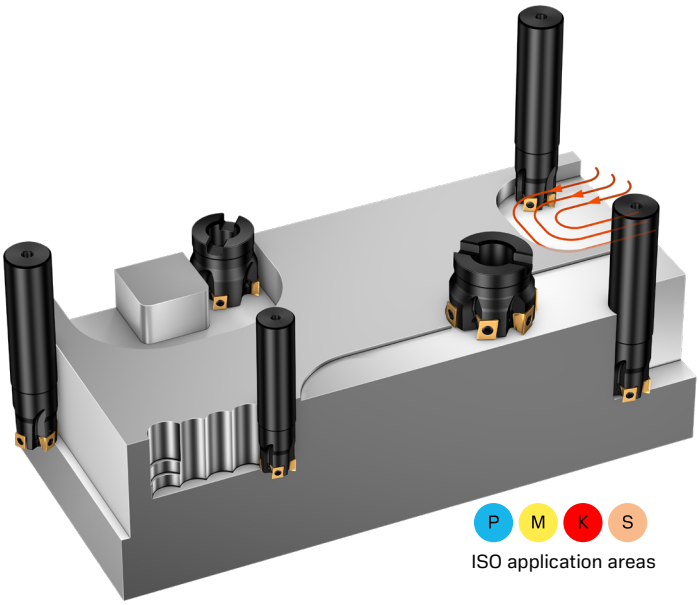


Maximized body core
Gives higher global tool stiffness.

Optimized chip pocket for side milling
Guarantees good chip evacuation when full edge is engaged in depth.

Application

- Optimized for true 90-degree shoulder milling and repeated passes in side milling
- Secondary application areas are face milling, full slot milling and plunge milling
- For roughing and finishing operations
- Main industry segments to target are general engineering and automotive



ISO application areas

Assortment

Cutter bodies

	Cutter diameter range, mm (inch)	Pitch	APMX, mm (inch)	Coupling
Insert size SSC 09	25–32 (1–1¼)	M, H (M)	8 (0.315)	Cylindrical shank
	40–63 (1½ –2)	M, H (M)	8 (0.315)	Arbor
Insert size SSC 13	40–160* (2–6)	M, H (M)	12 (0.472)	Arbor
	*Internal coolant up to Ø125 mm (5 inch)	M pitch: differential pitch H pitch: even pitch		

Inserts

	Insert size 09 (APMX: 8.0 mm (0.315 inch))	Insert size 13 (APMX: 12.0 mm (0.472 inch))
Insert geometry	E-L30, E-M40 and M-M40	E-L40, E-M50 and M-M50
Insert corner radius	0.4 and 0.8 mm (0.0157 and 0.0315 inch)	0.8 mm (0.0315 inch)
Insert grade	GC1040, GC2040, GC1230, GC4330, GC3330	GC1040, GC2040, GC1230, GC4330, GC3330

Learn more about CoroMill® MS40:
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