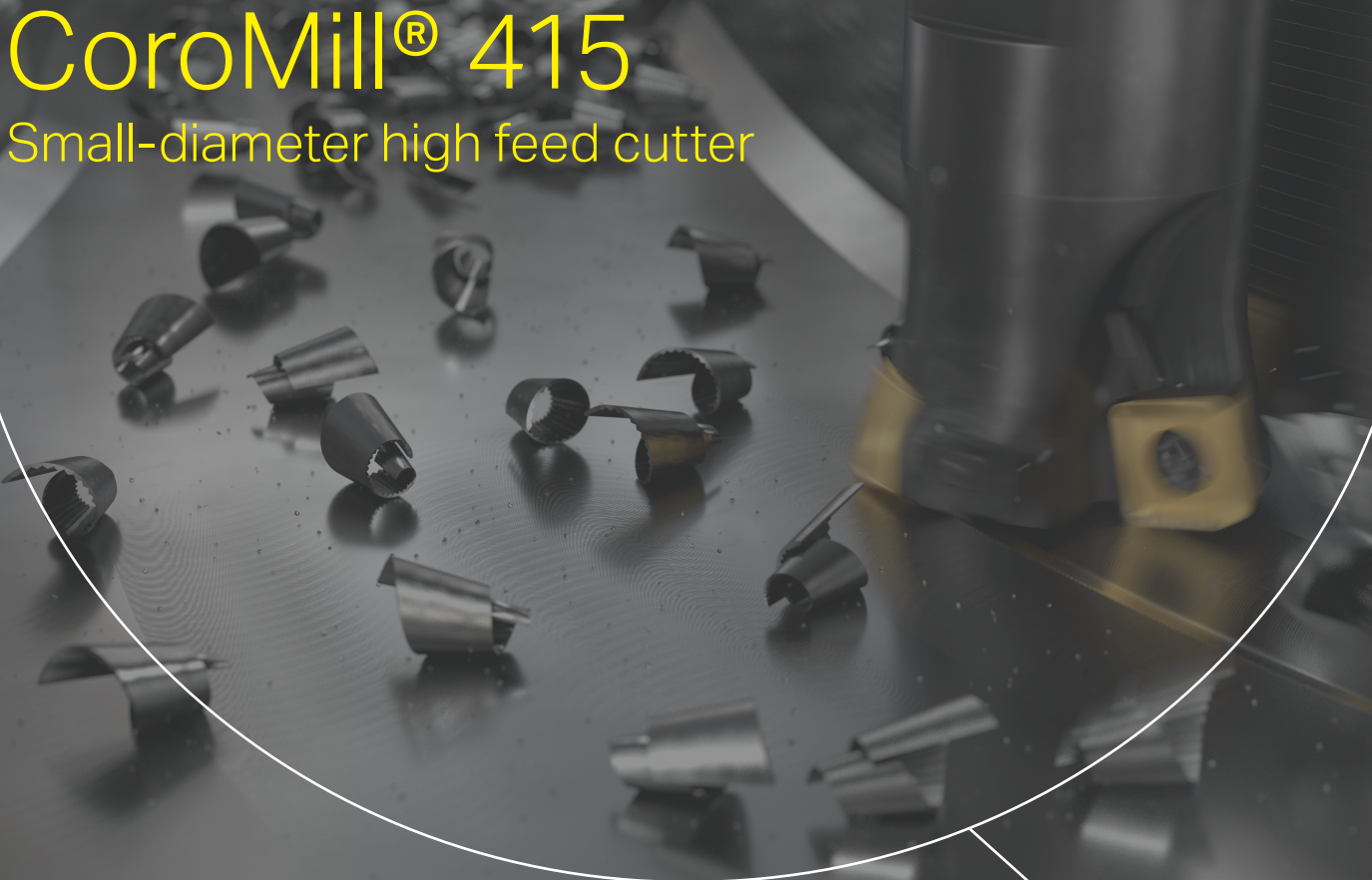


CoroMill® 415

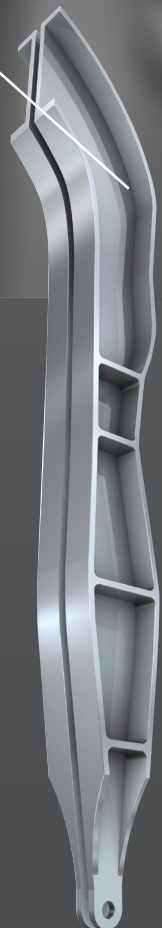
Small-diameter high feed cutter



CoroMill® 415 is a new small-diameter high feed face milling concept. The high metal removal rate and the four-edged inserts make this a truly cost-efficient and productive solution. The cutter also provides a reliable, secure performance thanks to the unique iLock™ interface.

Benefits

- Reduced cost per component and increased productivity thanks to the high metal removal rate and the four-edged inserts
- CoroMill 415 with iLock™ technology is a reliable and secure solution, resulting in less scrap workpieces
- Versatile tool suitable for a wide range of applications
- CoroMill 415 can be combined with the Coromant EH coupling and Silent Tools™ damped adaptors for vibration-free machining, high reliability and a significant productivity gain

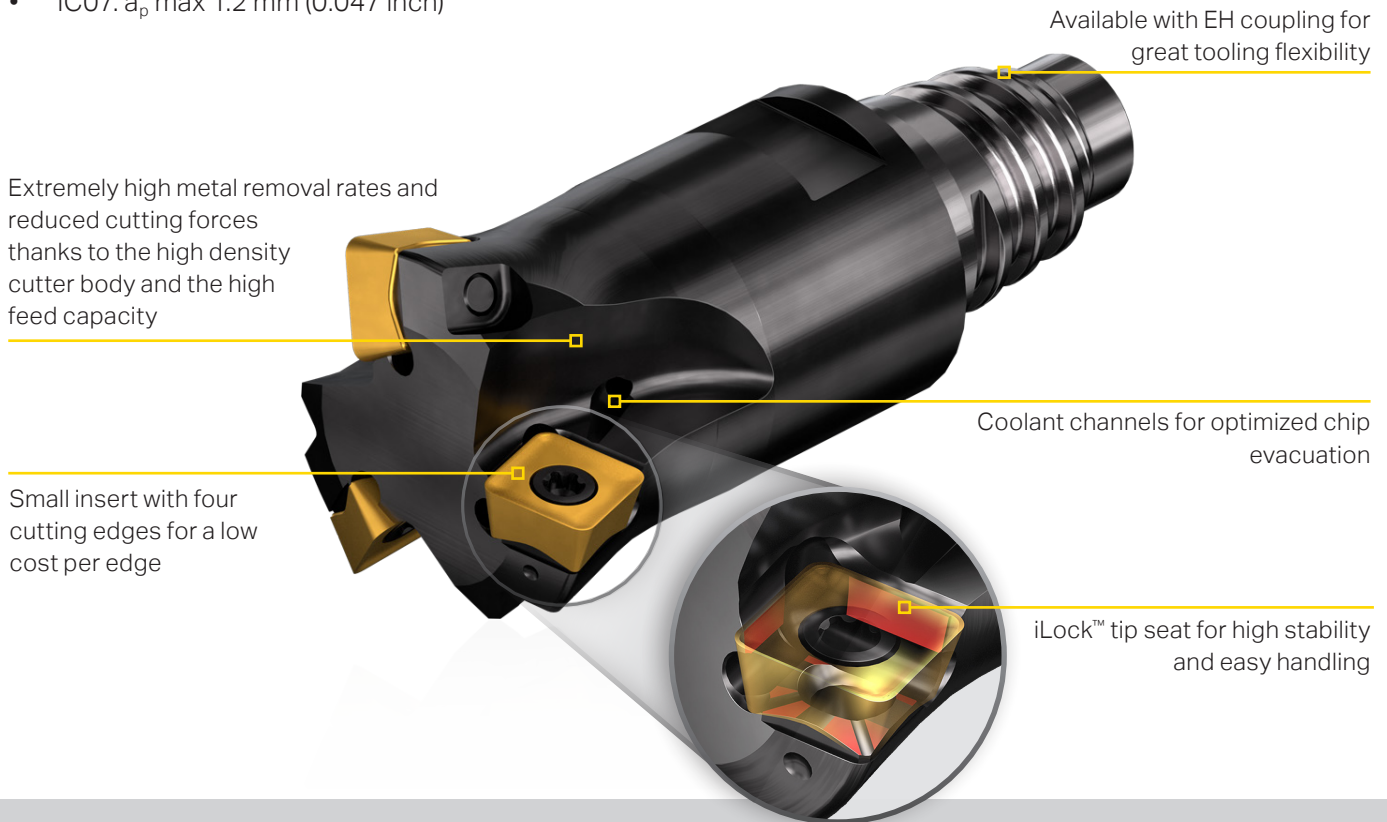


Application

- High feed rough face milling and pocketing
- Ramping capacity
- Diameter: 13–32 mm (0.512–1.26 inch)
- IC05: a_p max 0.85 mm (0.034 inch)
- IC07: a_p max 1.2 mm (0.047 inch)

P M S H

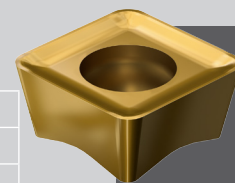
ISO application area



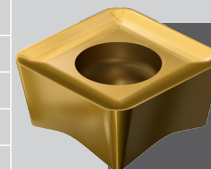
Customer case

Component:	Clamp
Material:	1.2311, Steel P20, 320 HB
Operation:	Face milling, helical interpolation
Machine:	DMG 50 (HSK 63)

	High feed competitor	Sandvik Coromant
Tool	High feed concept Ø25	CoroMill 415 Ø25
Insert	P25-P30 grade	415N-05 02 06M-M30 1030
z_n	5	6
n, rpm	1911	2178
v_c , m/min (ft/min)	150 (492)	171 (561)
v_f , mm/min (in/min)	5732 (226)	7189 (283)
f_2 mm/z (in/z)	0.6 (0.024)	0.55 (0.022)
a_p mm (inch)	0.7 (0.028)	0.7 (0.028)
a_e mm (inch)	19 (0.748)	19 (0.748)
MRR cm³ /min (in³ /min)	76 (4.64)	96 (5.86)
Tool life (number of parts)	4	5



+25%
Tool life



+26%
Metal removal rate

For more information, please visit <http://www.sandvik.coromant.com/CoroMill415>

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