

CoroTap™ 400

Optimized for steel

Automotive industry machining has extremely high demands and rigorous processes in place to safeguard quality. The new forming tap, CoroTap 400 for ISO P, meets those demands proficiently.

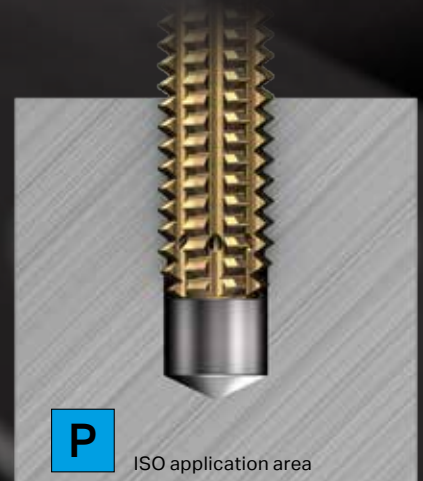
Superior productivity. Unmatched precision.

- Excellent process security with fewer machine stoppages
- Improved tool life and reduced cost per hole
- Increased cutting speed and productivity
- Superior thread quality

O

Optimized solutions

A unique line of refined tools for specific needs that provide extreme efficiency, reliability and durability.



P

ISO application area

CoroTap™ 400 for ISO P



Optimized lobe profile designed for steel applications.
Increased number of lobes and shorter thread length reduces torque.

New grade of substrate and coating:

- Thicker TiN coating for improved wear resistance
- New grade with a higher percentage of tungsten for increased hardness and tougher cutting

Application

Industry segment: automotive
Components: connecting rod, crank shaft, wheel hub, axle

Industry segments: general engineering, rail
Components: boom cylinder, tube, housing, rivets, flanges, rail wheel



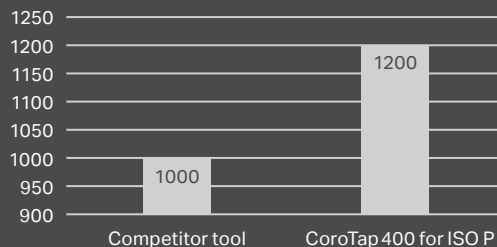
For a secure process, pair with CoroChuck™ 970 high-performance tapping chuck.

Performance Case

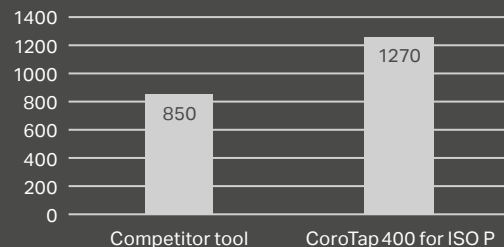
Application: Connecting Rod
Thread Size: M8X1
Material: C70 and 42CrMo
 $V_c = 10$ m/min

+125%
On average
tool life

Average tool life (components)
material 42CrMo



Average tool life (components)
C70



In a comparison test, CoroTap 400 far outperformed a competitor tool with 125% longer average tool life.

Product range						
Thread form	Thread size	Standard	Chamfer type	Tolerance	Coolant	Coolant groove
Metric, MF	M3 - M16	DIN 2174	C,E	6HX, 6GX	No, Radial, Axial	Y, N
UNC, UNF	4-40 - 5/8	DIN/ANSI		2BX, 3BX		

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