

# CoroCut Q Series

The most reliable parting and grooving system

**SANDVIK**  
Coromant

## CoroCut® QD

**P M K N S**

- Over- and under-coolant system cools the cutting zone for better chip control, extended tool life and higher cutting data
- Geometries designed for good chip formation, high stability and coolant access in combination with grades that provide excellent edge-line security in all materials make for inserts that excel in every parting-off operation
- New round geometry allows profiling with long overhangs in narrow grooves, the possibility to use non-linear turning and grooving with a full radial bottom



## CoroCut® QD for Y-axis parting

- Insert pocket rotated 90 degrees
- More than six times higher blade stiffness, allowing for significantly higher feed and longer overhang
- Improved surface quality and straighter cuts
- Less vibration compared to conventional parting
- Allows parting off of much larger diameters than earlier possible



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## CoroCut® QF

**P M K N S**

- More material in the weakest cross-section and decreased mass in the front part of the blade provides higher dynamic stiffness, effectively reducing vibration
- Tilted insert with stabilizing rails at the top, bottom and back of the insert to minimize insert movement
- Precision coolant supply improves chip evacuation and decreases the risk of chip jamming, critical factors for successful deep face grooving operations
- Non-linear tool path profiling distributes wear along the cutting edge to maximize tool life



## CoroCut® QI

**P M K N S**

- Optimized for internal grooving and face grooving on small diameters in all materials
- Featuring a rail insert seat, the tool ensures a stable and precise insert position with minimized insert movement
- Achieve high surface-quality grooves thanks to optimized geometries for each application
- All inserts fit both internal grooving and face grooving tool holders, making it easy to choose the right tool
- Coolant channels delivering coolant to the cutting zone improves chip evacuation which is a critical factor for successful internal grooving and face grooving operations
- Screw-clamped tool holders ensure stability and high process security

