

CoroCut® QD

New round geometry for profiling

For long overhangs in narrow grooves

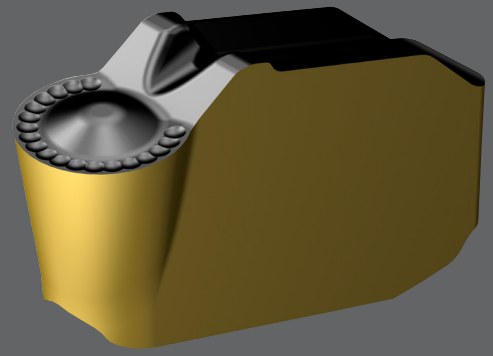
CoroCut® QD for secure parting off and deep grooving is now available with the well-known geometry -RM.

This round geometry enables profiling with long overhangs in narrow grooves and the possibility to use non-linear turning, as well as grooving with a full radial bottom.

Features and benefits

- Better tool life and chip control
- Possible to use with Y-axis blade
- Rigid insert seat
- Internal over and under coolant





Application

- External profiling
- For long overhangs in narrow grooves
- Recesses and undercuts

Recommendations:

- GC1125 for finishing in all materials and roughing in ISO N and S
- GC1135 for roughing in ISO M and S
- GC4335 for roughing in ISO P and K



ISO application areas

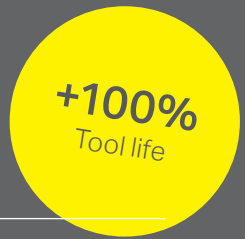
Customer case

Component: MX shaft

Material: 42CrMo4+QT

Operation: Grooving operation

Machine: Niles Simmons N30



	Competitor	Sandvik Coromant
Tool		CoroCut® QD
Insert		QD-NK-0600-RM 4335
n , rpm (rev/min)	290	290
v_c , m/min (ft/min)	160–180 (525–591)	160–180 (525–591)
f_r , mm/rev (in/rev)	0.3 (0.012)	0.3 (0.012)
a_p , mm (inch)	2.7 (0.106)	2.7 (0.106)
Tool life:	1 component	2 components

Result: The grooving operation with CoroCut® QD resulted in longer tool life and better chip control.

For more information, contact your local Sandvik Coromant representative, or visit www.sandvik.coromant.com

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