

# CoroTurn® 107

## Round inserts with rail interface

A new rail interface is now available for round inserts and tool holders. With fixed insert indexes, you can ensure the insert is indexed the same way every time and increase quality and productivity for your profiling and pocketing operations.

A new CBN platform with screw-mounted inserts and up to 12 insert indexes is also available and will boost your productivity in HRSA materials.

### Features and benefits

- Fixed insert indexes enable standardized processes and indexing repeatability
- Rail interface locks the rotation of the insert, minimizing unwanted stops from insert or screw breakage
- Tool holders with over and under coolant for good chip control and high process security
- New geometry and grade chain provides chip control in a large application area, including finishing and non-linear turning



## Application

- External and internal profiling
- Optimized for pocketing with non-linear methods, e.g. dynamic turning and waveform
- Finishing in HRSA components with relatively open features

### Recommendations

- GC4425 in ISO P and K
- GC2220 in ISO M
- GC1105 in ISO M and S
- CB7014 in HRSA

P M K S

ISO application area



## Geometries

-L3	-M3	-H7	CBN
<ul style="list-style-type: none"><li>• Finishing and non-linear turning</li><li>• Problem-solver for thin chips</li><li>• For medium <math>a_p</math> and low <math>f_n</math> OR small <math>a_p</math> and high <math>f_n</math></li></ul>	<ul style="list-style-type: none"><li>• Semi-finishing to medium machining</li><li>• For medium <math>a_p</math> and medium/high <math>f_n</math></li></ul>	<ul style="list-style-type: none"><li>• Medium machining to roughing</li><li>• More open geometry</li><li>• For high <math>a_p</math> and high <math>f_n</math></li></ul>	<ul style="list-style-type: none"><li>• Finishing in HRSA</li><li>• Positive insert with flat top (no chip breaker) and ER-treated cutting edge</li><li>• For components with relatively open features</li></ul>

For more information, contact your local Sandvik Coromant representative or visit  
[www.sandvik.coromant.com](http://www.sandvik.coromant.com)

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