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Coromant

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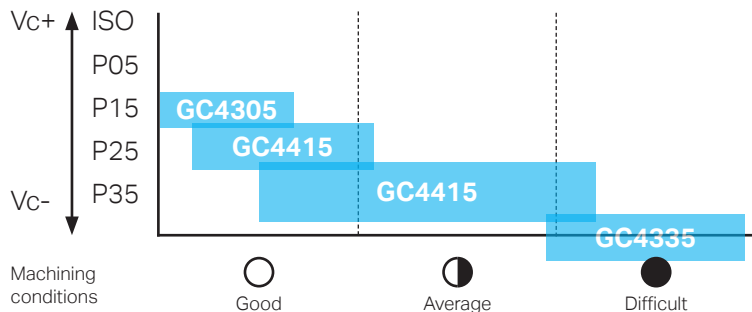
## NEW STEEL TURNING GRADES OVERVIEW

A unique combination of good toughness and resistance against plastic deformation with the next generation Inveio™ coating for grades GC4425 and GC4415 for ISO P Turning.

Experience as much as 15-25% increase in tool life. Replacing and expanding previous GC4315 and GC4325 offer. Positioned for productivity with excellent toughness, resulting in broader application areas and a stronger P-turning grade chain.

Both GC4425 and GC4415 have their sweet spots in application where flank and crater wear are the dominant wear types. To achieve maximum productivity utilize the improvements in both wear resistance and heat resistance; increasing the cutting speed and chip thickness.

| ISO Material Group | Tool Life Improvements | Productivity Improvements |
|--------------------|------------------------|---------------------------|
| ISO P              | 25% (P25)<br>15% (P15) | 30% (P25)<br>40% (P15)    |
| ISO K              | 25%                    | 25%                       |



## GC4425 (P25)

- First choice steel turning grade

### Application

- For a majority of steel turning applications
- Roughing to finishing
- Continuous and interrupted cuts
- Wet and dry machining



Improved wear resistance, heat resistance and toughness expands the application area compared to the previous generation.

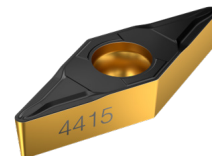
- Effectively increasing the area where you can optimize between P15 and P35 grades.

## GC4415 (P15)

- Optimal alternative to GC4425 when more heat resistance is needed

### Application

- High cutting speeds
- Long times in cut
- Hard workpiece material
- From roughing to finishing
- Continuous to light-interrupted cuts
- Wet and dry machining



Improved wear and heat resistance expands the application area compared to the previous generation.

- Can provide a more secure alternative with same productivity as the P05 grade in more applications

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