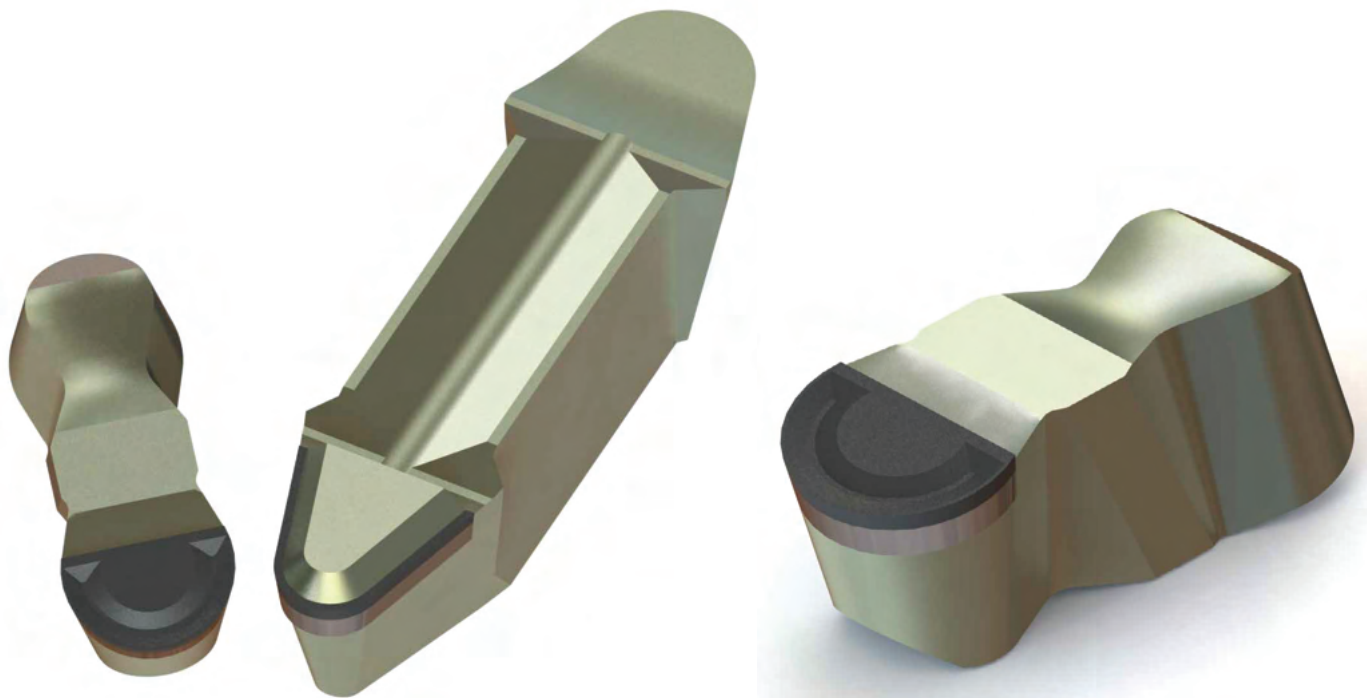




HIGH PRECISION  
MACHINES

# CITCO cutting tools for aluminum wheel turning applications



Custom engineered cutting tools for profiling, roughing, and drilling of aluminum wheels

- Unique tool designs such as dog-bone style, V style, valve stem and lug hole drills
- Ideal for non-ferrous/aluminum wheels
- Custom engineered cutting edge parameters to achieve desired surface finish
- Available in PCD, CVD, and mono-crystal diamond
- Made in the U.S.A. with Fives' best-in-class manufacturing processes

“Fives designs and supplies its own unique superabrasive grinding wheels to achieve optimum quality control of every tools’ cutting edge”

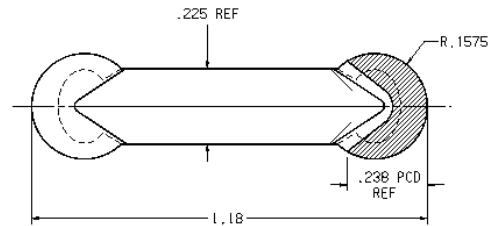
**CITCO CUTTING TOOL ADVANTAGES:**

- Less frequent tool changes and interruption
- Reduction in burring and chipping paint
- Better wear resistance and improved tool strength
- Advanced edge prep capability
- Roughing and finishing in one unique tool design
- Better control over tool edge finish with in-house manufacturing
- Optional designs with and without chip breakers
- Custom chip breakers achieve desired finish for each unique application
- Proprietary PCD, CVD, Mono-crystal grades for enhanced cutting tool performance
- Re-tip capabilities

CITCO cutting tools for non-ferrous aluminum wheel turning applications apply the latest manufacturing techniques in edge prep capabilities ensuring each application achieves its desired finish. Custom chip breakers ensure better chip control for reduced operation interruption and improved finish.

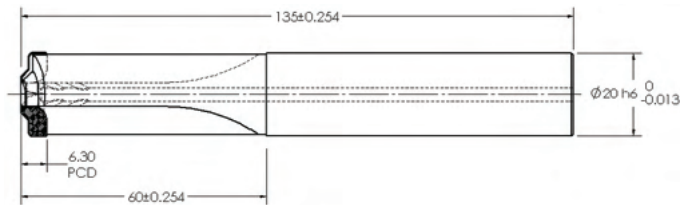


**DOG-BONE STYLE ROUGHER**



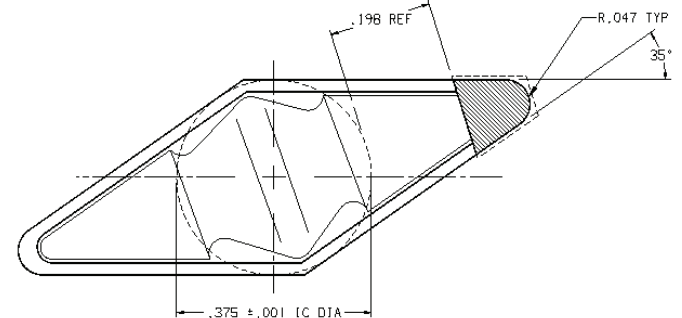
Optional chip breaker; lasered-in or carbide brazed

**PCD VALVE STEM DRILL**



PCD carbide with steel body

**V-STYLE PCD TURN PROFILER**



Double or single tipped PCD

**CONTACT**

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**fives**  
Industry can do it