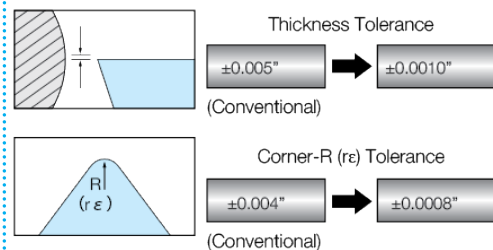


# INSERT FEATURES

## Features of Insert

with tolerance symbol "E" Class

- Same edge position and height after changing inserts



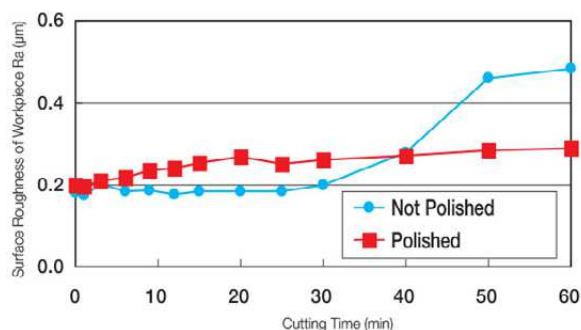
## Polish (Insert Rake Face) Effects

### 1) Improved Smoothness

- Better adhesion resistance due to smooth chip flow.
- Polished inserts achieve high performance especially in stainless steel and aluminum cutting.

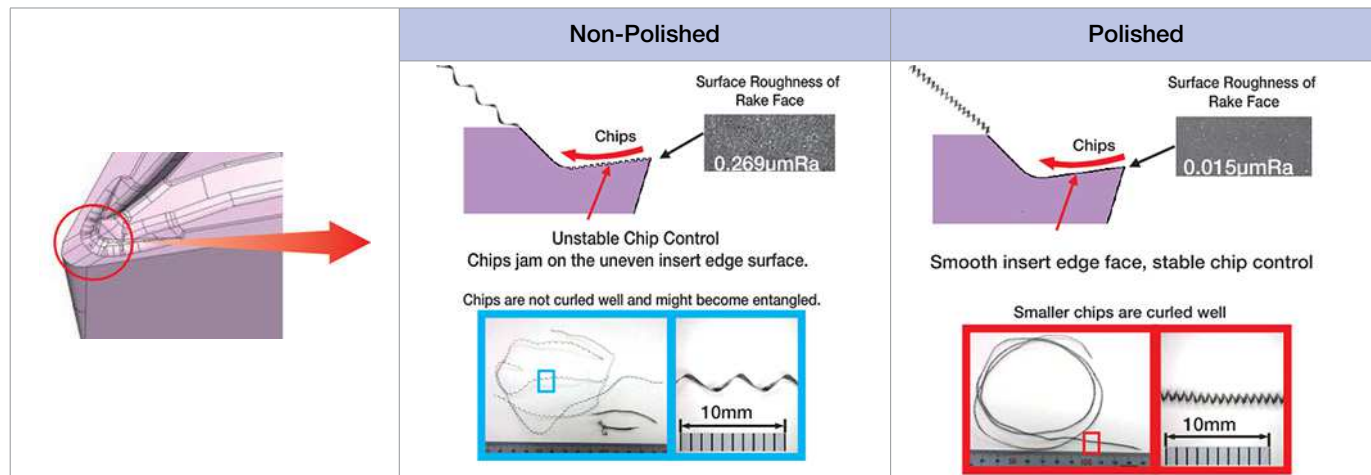
### 2) Polished inserts improve surface smoothness

### Surface Finish Comparison of Workpiece



Cutting Condition  
Workpiece Material: 304 Steel (Ø6 Bar material)  
Vc=175sfm, D.O.C.=0.012, f=0.0012ipr, Wet  
• DCGT32505MF-GF (Non-Polished)  
• DCGT32505MFP-GF (Polished)

### 3) Chip Shape Comparison of Polished Vs. Non-Polished



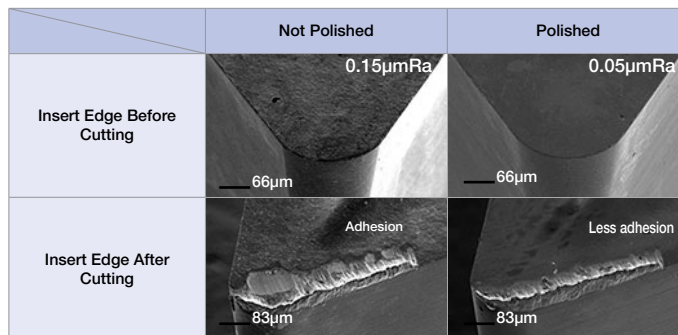
## Advantages of "Super Fine"

### High Quality Ground + "E" Class High Precision (Insert descriptions ending with "SF")

- Reduced micro chipping during edge grinding
- Less adhesion
- Long tool life



### Surface Finish of Workpiece



### Surface Finish of Workpiece

