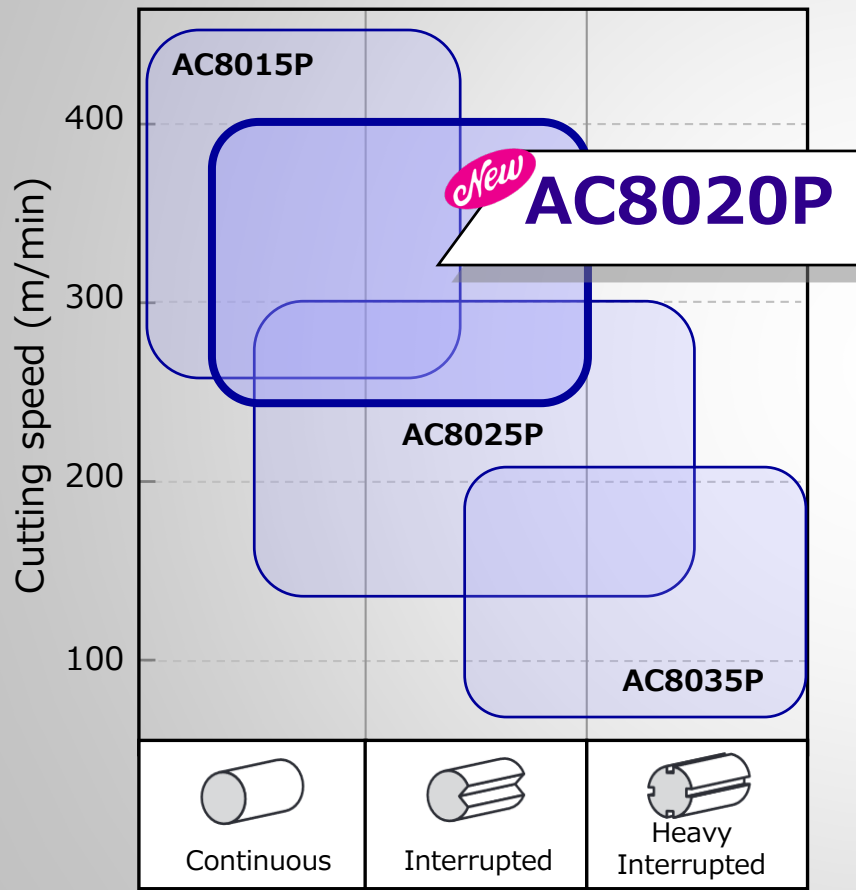


New

AC8020P for steel turning

New grade for steel turning, creating "ABSOLUTELY STABLE CUTTING"



AC8020P
Suitable for High-efficiency machining
Wear resistance and fracture resistance are compatible at a high level



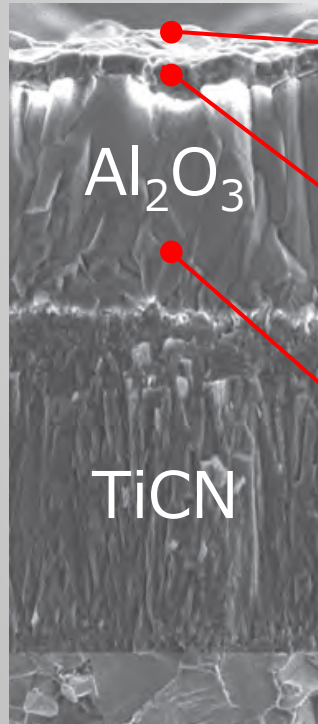
New

AC8020P for steel turning

Remarkable Point

Stable and long life in high efficiency machining of high carbon steel and alloy steel by newly developed **high density crystal orientation control technology** and **residual stress control technology**

Features



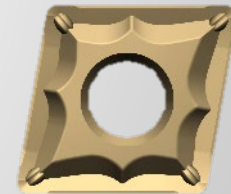
1 Special surface treatment

Reinforcement of residual stress by modifying the outermost surface of the coating and special surface treatment

Chipping resistance Doubled

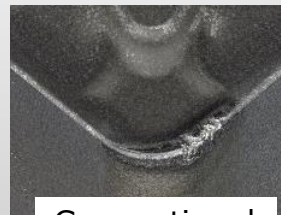
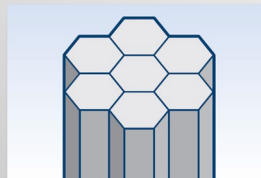
2 Usage status display layer

Adopted gold color with high visibility of damage as appearance

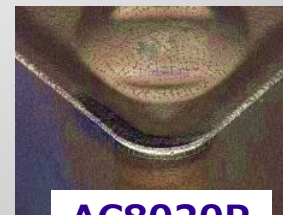


3 High-strength crystal orientation control

Wear resistance and fracture resistance are compatible at high level



Conventional

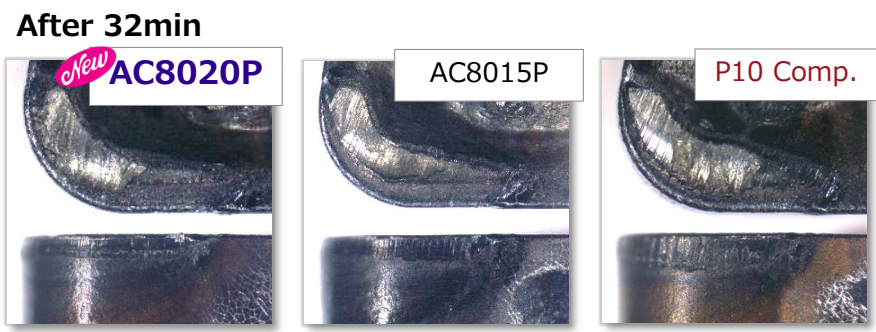
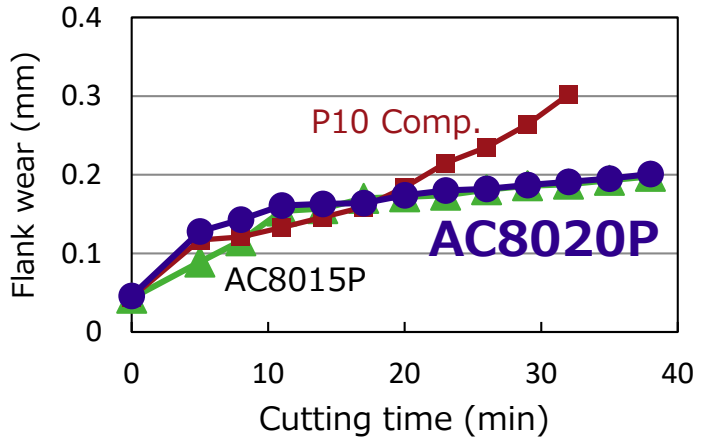


AC8020P

AC8020P for steel turning

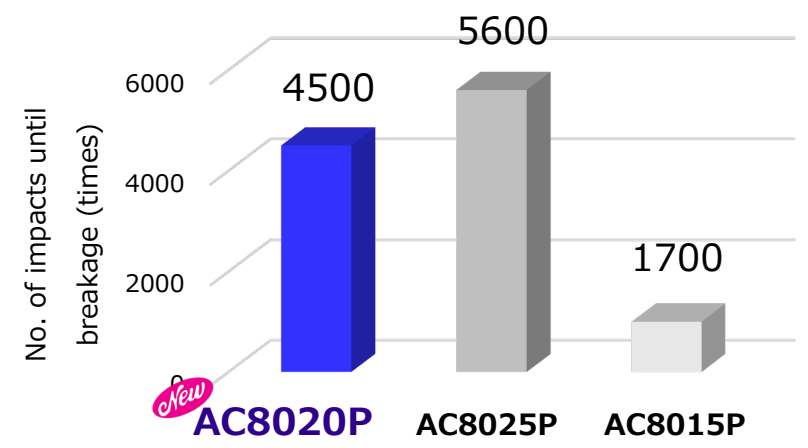
Application Examples

1 Continuous (Alloy steel)
 Insert: CNMG120408
 $v_c=270\text{m/min}$, $f=0.3\text{mm/rev}$
 $a_p=1.5\text{mm}$, Wet



High wear resistance comparable to AC8015P in high-speed machining

2 Interrupted (Alloy steel)
 Insert: CNMG120408
 $v_c=250\text{m/min}$, $f=0.3\text{mm/rev}$
 $a_p=1.5\text{mm}$, Wet



Damage ex) **Stable and long tool life even in interrupted machining**

Wear and fracture resistance are compatible at high level