



# Optimized Turning Grades

YG-1 Turning grades cover most of workpiece materials like Steels, Stainless Steels and Cast Iron with high performance and competitive price to boost your productivity and reduce your production cost



**YG1001**  
ISO P05, K10  
Grey Cast iron  
and Steel Finishing

**YG3010**  
ISO P10, K15  
Steel Finishing  
and Ductile Cast iron

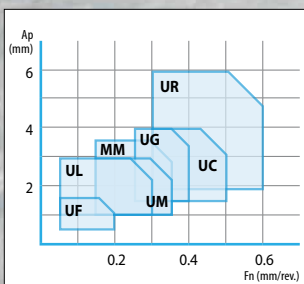
**YG3020**  
ISO P20  
First choice for Steel  
High Versatility

**YG3030**  
ISO P30, M20  
Steel Interrupted cut and  
High speed cutting  
on Stainless steel

**YG211**  
ISO M15, S05  
Stainless steel and  
Superalloys

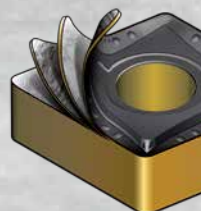
**YG213**  
ISO M25, S15  
First choice  
for Stainless steel

**YG214**  
ISO M35, S25  
for Heavy interrupted  
Stainless steel



## Various Chipbreakers

Cover wide range from Roughing to Finishing to optimize each of your turning processes



## Special Process

Makes smoother chip flow and longer tool life to maximize your productivity

Take a Turn for the Better



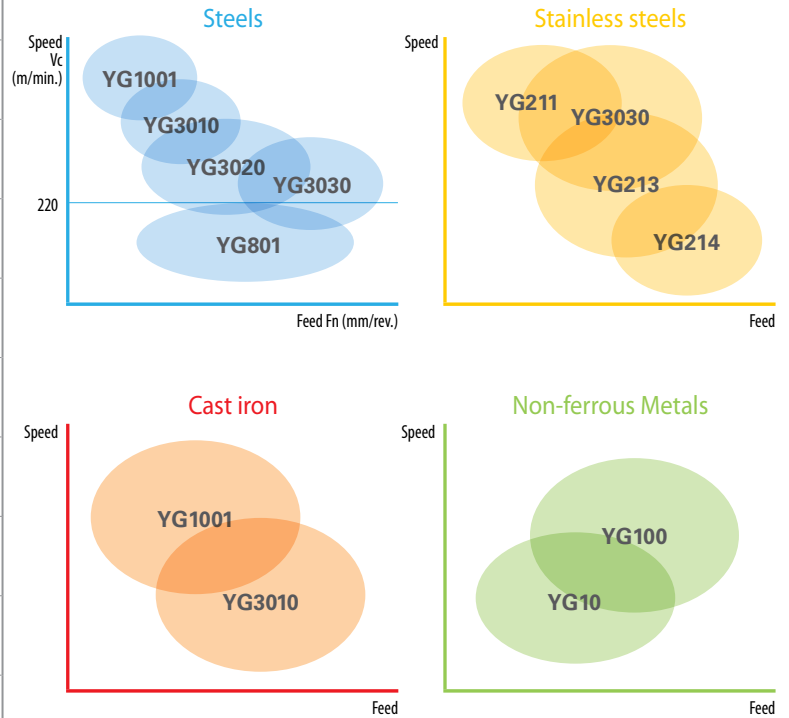
www.yg1.kr

# YG Optimized Turning Grades

YG-1 provides a wide product range of cost-effective solutions that cover all major machining areas. We have developed many turning grades to optimize your productivity on a wide range of workpiece materials, and our various chipbreakers can be applied to all of your every turning applications from Roughing to Finishing

## YG Turning Grades

CVD	<b>YG1001</b> <span style="background-color: #0070C0; color: white; padding: 2px;">P01 – P10</span> <span style="background-color: #C00000; color: white; padding: 2px;">K10 – K25</span> First choice for stable machining of cast iron
	<b>YG3010</b> <span style="background-color: #0070C0; color: white; padding: 2px;">P05 – P20</span> <span style="background-color: #C00000; color: white; padding: 2px;">K15 – K35</span> First choice for finishing steels and ductile cast iron
	<b>YG3020</b> <span style="background-color: #0070C0; color: white; padding: 2px;">P15 – P30</span> First choice grade for general steel application
	<b>YG3030</b> <span style="background-color: #0070C0; color: white; padding: 2px;">P20 – P35</span> <span style="background-color: #FFD700; color: black; padding: 2px;">M10 – M30</span> Interrupted cut of steel and stainless steel
PVD	<b>YG211</b> <span style="background-color: #FFD700; color: black; padding: 2px;">M05 – M25</span> <span style="background-color: #C00000; color: white; padding: 2px;">S05 – S20</span> High wear resistance grade for super alloys and stainless steel
	<b>YG213</b> <span style="background-color: #FFD700; color: black; padding: 2px;">M20 – M35</span> <span style="background-color: #C00000; color: white; padding: 2px;">S15 – S25</span> First choice grade on low cutting speed of stainless steel
	<b>YG214</b> <span style="background-color: #FFD700; color: black; padding: 2px;">M30 – M40</span> <span style="background-color: #C00000; color: white; padding: 2px;">S25 – S30</span> Heavy interrupted cut for stainless steel
	<b>YG801</b> <span style="background-color: #0070C0; color: white; padding: 2px;">P10 – P30</span> for Carbon Steel with Low cutting speed
DLC	<b>YG100</b> <span style="background-color: #90EE90; color: black; padding: 2px;">N05 – N25</span> First choice grade for aluminum with DLC coating
Uncoated	<b>YG10</b> <span style="background-color: #90EE90; color: black; padding: 2px;">N05 – N25</span> Uncoated grade for general aluminum



## YG Turning Chipbreakers

