

YBC203

New cemented carbide matrix

The new matrix adopts a new organizational structure and sintering technology, which refines the alloy structure, strengthens the bonding phase, and makes the structure more uniform and the control more precise. As a result, this technology significantly improves its machining efficiency and its resistance against plastic deformation and oxidation under high temperature.

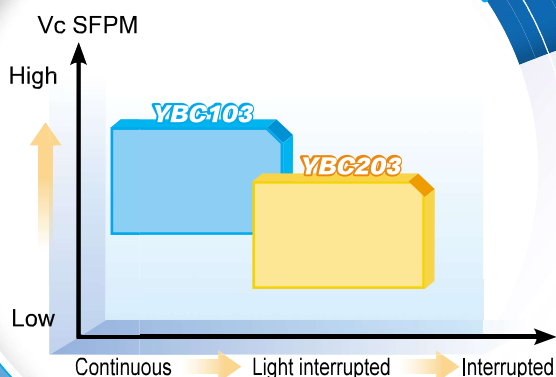


A new generation of ultra-fine grain coating

Ultra-fine grain coating provides outstanding high temperature performance and wear resistance. The two-color marking layer and ultra-smooth Al_2O_3 coating rake face improve the smoothness and uniformity of the cutting edge and enhance the quality of surface processing.



Application range



Applications

Workpiece: Bearing
 Workpiece material: GCr15
 Hardness of material: HRC30
 Insert: DNMG441-XF/YBC103
 Cutting parameters: $V_c=870$ SFPM,
 $a_p=0.02\sim0.03$ in,
 $f=0.01$ in/r
 Coolant: Without



New Chipbreakers for Turning Steel

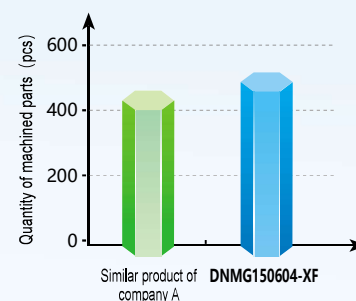
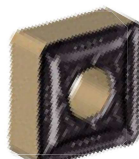
-XR Chip breaker for roughing

- M-class chip breaker with sharp cutting edge and inclination design has low cutting resistance and excellent chips control, which makes it ideal for light-load roughing.



-LR Chip breaker for roughing

- M-class double-sided chip breaker adopts variable edge design to effectively reduce cutting force and improve chip control, which makes it ideal for light-load roughing.



Conclusion: The insert proved to be superior to the similar products by A company in both efficiency and quality of the finished surface.