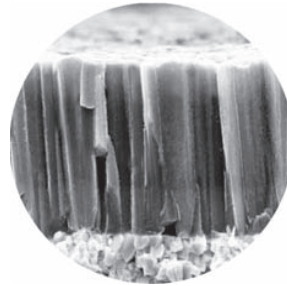


Grade introduction for solid carbide drills

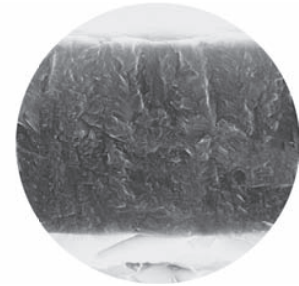
Coated grade

KDG303

It is a combination of ultra-fine carbide substrate with good strength, toughness and wear resistance and Nano structure nc-TiAlN coating aiming at optimizing drilling operations, make sure the tools possess very high toughness and hardness. Unique coating technology make the tools have smooth surface and excellent wear resistance, and prominent thermal stability and chemical stability supply effective protection for cutting edges.

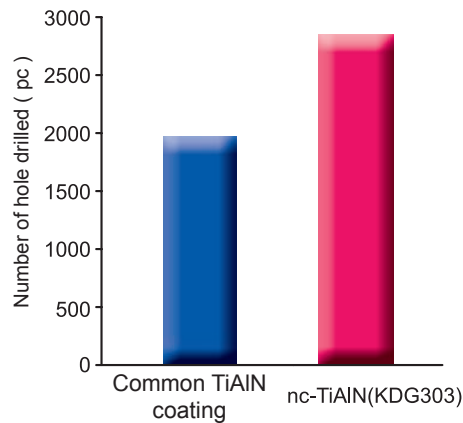


Common TiAlN coating



nc-TiAlN coating

Application of nc-TiAlN coating in drilling	
Tool type	1534SU03C-1200
Size	Ø12mm
Workpiece material	42CrMo(32HRC)
Cutting speed	100m/min
Rotating speed	2652r/min
Feed rate per revolution	0.25mm/r
Feed speed	663mm/min
Drilling depth	36mm
Cooling system	Water-soluble liquid (internal coolant)
Machine	Mikron UCP 1000



Uncoated grade

YK20F

Ultra-fine grain carbide substrate with high hardness, outstanding wear resistance, long tool life.

YK30F

Ultra-fine carbide substrate with good strength, toughness and wear resistance makes tool to possess perfect strength.