

# Summary of Insert Grades

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Insert Grades

## Turning

Workpiece Material	Steel (Carbon steel / Alloy steel)					Stainless steel / Cast steel					Cast Iron (Gray cast iron / Nodular cast iron)														
	Cutting Range					Cutting Range					Cutting Range														
	Classification	P01	P10	P20	P30	P40	M01	M10	M20	M30	M40	K01	K10	K20	K30										
Cermet	TN Series	TN6010		TN60		TN90		TN6010		TN60		TN90		TN60											
	TC Series	TC40N		TC60M		TC60M		TC60M		TC60M		TC40N		TC40N											
	Super Micro-Grain Cermet	TN6020		TN6020		TN6020		TN6020		TN6020		TN6020		TN6020											
PV Series	PV Series	PV7010		PV7020		PV60		PV90		PV7010		PV7020		PV60		PV90									
	CA Series	CA5505		CA5515		CA5525		CA5535		CA6515		CA6525		CA4010		CA4115		CA4120							
	CR Series	CR9025		CR9025		CR9025		CR9025		CR9025		CR9025		CR9025		CR9025		CR9025							
Coated Carbide	PR Series	PR630		PR660		PR915		PR930		PR1025		PR1115		PR630		PR660		PR915		PR930		PR1025		PR1115	
	Ceramic	KA30		A66N		PT600M		KS6000		KW10		GW15		KBN60M		KBN900		KBN60M		KBN900		KBN60M		KBN900	
	Carbide	KW10		GW15		KW10		KW10		KW10		GW15		KW10		GW15		KW10		GW15		KW10		GW15	
CBN	KBN60M		KBN900		KBN60M		KBN900		KBN60M		KBN900		KBN60M		KBN900		KBN60M		KBN900		KBN60M		KBN900		

Workpiece Material	Non-ferrous materials (Aluminum / Non-ferrous metals / Non-metals)				Hard-to-machine materials (Titanium alloys / Heat-resistant alloys)				Hard materials (Hardened steel / Chilled cast iron)				Sintered steel					
	Cutting Range				Cutting Range				Cutting Range				Cutting Range					
	Classification	N01	N10	N20	N30	S01	S10	S20	S30	H01	H10	H20	H30	01	10	20	30	
Coated Carbide	CA Series	CA6515		CA6525		PR1125		PR930		TN6010		TN60		TN6010		TN60		
	PR Series	PR930		PR930		PR930		PR930		PR930		PR930		PR930		PR930		
Cermet	TN6010		TN60		TN6010		TN60		TN6010		TN60		TN6010		TN60		TN6010	
Ceramic	CF1		CF1		CF1		CF1		A65		A66N		PT600M		PT600M		PT600M	
Carbide	KW10		GW15		KW10		KW10		KW10		GW15		KW10		GW15		KW10	
CBN	KBN510		KBN525		KBN05M		KBN10M		KBN25M		KBN30M		KBN35M		KBN900		KBN510	
PCD	KPD001		KPD010		KPD001		KPD010		KPD001		KPD010		KPD001		KPD010		KPD001	