

Summary of Insert Grades

KYOCERA promotes research and development to help improve customers' productivity and profitability.

KYOCERA provides high-quality inserts in various grades including Cermet, Coated Carbide, Coated Super Micro-Grain Carbide, Carbide, Ceramic, PCD and CBN.

PCD A8

Workpiece Material		Non-ferrous materials (Aluminum / Non-ferrous metals / Non-metals)				Titanium / Titanium alloys			
Cutting Range		Finishing ← → Roughing				Finishing ← → Roughing			
Classification		N01	N10	N20	N30	S01	S10	S20	S30
Turning Milling	PCD	KPD001				KPD001			
		KPD010				KPD010			
		KPD230				KPD230			

CBN A9

Workpiece Material		Hard materials (Hardened steel / Chilled cast iron)				Sintered steel				Cast Iron (Gray cast iron / Nodular cast iron)			
Cutting Range		Finishing ← → Roughing				Finishing ← → Roughing				Finishing ← → Roughing			
Classification		H01	H10	H20	H30	01	10	20	30	K01	K10	K20	K30
Turning	CBN	KBN510											
		KBN525											
		KBN05M											
		KBN10M				KBN65M				KBN60M			
		KBN25M				KBN70M				KBN900			
		KBN30M											
		KBN35M											
		KBN900											

Ceramic A10

Workpiece Material		Hard materials (Hardened steel / Chilled cast iron)				Heat-resistant alloys / Inconel				Cast Iron (Gray cast iron / Nodular cast iron)			
Cutting Range		Finishing ← → Roughing				Finishing ← → Roughing				Finishing ← → Roughing			
Classification		H01	H10	H20	H30	S01	S10	S20	S30	K01	K10	K20	K30
Turning	Ceramic	A65								KA30			
		A66N				CF1				A65			
		PT600M								A66N			
										PT600M			
										KS6000			

Cell Fiber A11

Workpiece Material		Hard materials (Hardened steel / Chilled cast iron)				Heat-resistant alloys / Inconel			
Cutting Range		Finishing ← → Roughing				Finishing ← → Roughing			
Classification		H01	H10	H20	H30	S01	S10	S20	S30
Turning	Cell Fiber	KBN35M				CF1			

Cermet A12

Workpiece Material		Steel (Carbon steel / Alloy steel)				Stainless steel / Cast steel				Cast Iron (Gray cast iron / Nodular cast iron)					
Cutting Range		Finishing ← → Roughing				Finishing ← → Roughing				Finishing ← → Roughing					
Classification		P01	P10	P20	P30	P40	M01	M10	M20	M30	M40	K01	K10	K20	K30
Turning Milling	TN Series	TN6010				TN6010									
		TN60				TN60				TN60					
		TN90				TN90									
	TN100M				TN100M										
	TC Series		TC40								TC40				
			TC60				TC60								
Super Micro-Grain Cermet		TN6020				TN6020									

PVD Coated Cermet A12

Workpiece Material		Steel (Carbon steel / Alloy steel)				Stainless steel / Cast steel				Cast Iron (Gray cast iron / Nodular cast iron)					
Cutting Range		Finishing ← → Roughing				Finishing ← → Roughing				Finishing ← → Roughing					
Classification		P01	P10	P20	P30	P40	M01	M10	M20	M30	M40	K01	K10	K20	K30
Turning	PV Series	PV7010				PV7010				PV7005					
		PV7020				PV7020									
		PV60				PV60									
		PV90				PV90									