

## KORLOY Grade Index

### Grade index

Workpiece	Coated	Grade	ISO						Turning	Multi functional tools	Thread (Turning)
			P	M	K	S	N	H			
			Steel	Stainless steel	Cast iron	HRSA	Non-ferrous	Hardened			
Coated carbide	CVD	NC3205	P05-P15							•	
		NC3215	P10-P20							•	
		NC3225	P20-P25							•	•
		NC3120	P30-P40	M30-M40						•	•
		NC3030	P20-P25							•	•
		NC3235	P25-P35	M25-M35						•	
		NC5320	P15-P25		K15-K25					•	
		NC5330	P30-P35	M20-M30	K30-K35	S15-S25				•	•
		NC515H	P10-P20							•	
		NC520H	P15-P20							•	
		NC525H	P20-P25							•	
		NC6310	P05-P10		K01-K10					•	
		NC6315			K10-K20					•	•
		NC9115	P15-P20	M10-M20						•	
	NC9125		M20-M30		S15-S25				•		
	NC9135		M30-M40		S25-S35				•		
	PVD	PC3035	P30-P40							•	
		PC5300	P30-P40	M20-M30	K20-K25	S15-S25				•	•
		PC5400	P35-P45	M30-M40	K30-K35	S25-S35				•	
		PC8105		M05-M15		S01-S10		H01-H05		•	
		PC8110		M10-M20	K10-K20	S05-S15		H05-H10		•	•
		PC8115		M15-M25		S10-S20		H10-H15		•	
		PC9030		M25-M35						•	•
		PC9035		M25-M35		S20-S30				•	
		PC3030T	P25-P35	M25-M35							•
	PC9070T		M25-M35							•	
	Non-coated	ST30A	P25-P35								•
		H01			K01-K05	S01-S10	N10-N20	H05-H10		•	•
		H05			K05-K15	S05-S15	N15-N25			•	•
		G10			K15-K25		N20-N30			•	•
Cermet	PVD	CC1015	P10-P20		K05-K15					•	
		CC1025	P15-P25		K10-K20					•	
	Non-coated	CN1500	P10-P20		K05-K15					•	
		CN2500	P15-P25		K10-K20					•	
cBN	PVD	DNC100					H01-H10		•		
		DNC250					H10-H20		•		
		DNC300					H15-H20		•		
		DNC350					H20-H30		•		
	Non-coated	DBNX20						H15-H20		•	
		DBN250						H01-H10		•	
		DBN350						H20-H30		•	
		DB1000						H01-H10		•	
DB2000						H10-H15		•			
DBN700A			K01-K20	S01-S10				•			
Dia coated	CVD	ND3000				N01-N05		•			
DLC coated	PVD	PD1005				N05-N10		•			
		PD1010				N10-N15		•			
PCD	Non-coated	DP90				N01-N20		•			
		DP150				N05-N25		•			
		DP200				N10-N30		•			

## Grade System

### ➤ Cutting tool

Uncoated carbide	P	Steel	ST30A				
	K	Cast iron	H01	H05	G10		
	S	HRSA	H01	H05			
	N	Aluminum alloy/Copper alloy	H01	H05	G10		
	H	Hardened	H01				
Cermet	P	Steel	CN1500	CN2500			
	K	Cast iron	CN1500	CN2500			
Cermet coated	P	Steel	CC1015	CC1025			
	K	Cast iron	CC1015	CC1025			
Dia coated	N	Non-ferrous	ND3000				
DLC coated	N	Non-ferrous	PD1005	PD1010			
PCD	N	Non-ferrous	DP90	DP150	DP200		
cBN	K	Cast iron	DBN700A				
	S	HRSA	DBN700A				
	H	Hardened	DBN250	DB1000	DB2000	DBNX20	DBN350
cBN coated	H	Hardened	DNC100	DNC250	DNC300	DNC350	

### ➤ Applications

Turning coated	P	Steel	NC3205	NC3215	NC3225	NC3235	NC3120	NC3030	NC6310	NC9115	NC5320	NC5330	PC5300	PC5400	
		Steel (Heavy)	NC515H	NC520H	NC525H										
	M	Stainless steel	NC9115	NC9125	NC9135	PC9030	PC9035	PC8105	PC8110	PC8115	NC3030	NC3235	NC5330	PC5300	PC5400
	K	Cast iron	NC6310	NC6315	NC5320	NC5330	PC8110	PC5300	PC5400						
	S	HRSA	PC8105	PC8110	PC8115	PC9035	NC9125	NC9135	NC5330	PC5300	PC5400				
	N	Non-ferrous	ND3000	PD1005	PD1010										
Multi-functional	P	Steel	PC3035	PC5300	NC3225	NC3120	NC3030	NC5330							
		Steel (Heavy)	PC515H	PC520H	PC525H										
	M	Stainless steel	PC5300	PC9030	NC3030	NC5330	PC8110								
	K	Cast iron	PC5300	NC5330	NC6315	PC8110									
	S	HRSA	PC5300	PC9030	NC5330	PC8110									
H	Hardened	PC8110													
Thread coated	P	Steel	PC3030T	PC5300											
	M	Stainless steel	PC9070T	PC3030T	PC5300										
	K	Cast iron	PC5300												
	N	Non-ferrous	PC5300												

## Turning Grade selections

### Selection system

Workpiece	Steel					Stainless steel				Cast iron				HRSA				Non-ferrous				Hardened					
	P01	P10	P20	P30	P40	P50	M01	M10	M20	M30	M40	K01	K10	K20	K30	S01	S10	S20	S30	N01	N10	N20	N30	H01	H10	H20	H30
Coated carbide		NC3205						PC8105					NC6310			PC8105				ND3000						PC8105	
		NC3215						PC8110					NC6315			PC8110				PD1005						PC8110	
		NC3225						PC8115					NC5320			PC8115				PD1010						PC8115	
		NC3120						NC9115					NC5330														
		NC3030						NC9125																			
		NC3235						NC5330																			
		NC5320						NC9135						PC8110													
		NC5330						NC3235						PC5300													
		PC5300						PC5300						PC5400													
		PC5400						PC9030																			
								PC9035																			
								PC5400																			
	Cermets		CC1015											CC1015													
			CC1025											CC1025													
		CN1500											CN1500														
		CN2500											CN2500														
cBN / PCD													DBN700A			DBN700A				DP90					DNC100		
																				DP150					DNC250		
																				DP200					DNC300		
Uncoated carbide													H01			H01				H01					H01		
													H05			H05				H05							
													G10							G10							

### Application range of turning grades

