

# INSERT GRADES CROSS REFERENCE

## Ceramic

• This table is Kyocera's own estimation based on publications and is not authorized by companies mentioned in it.

Classification		Kyocera	Dijet	Hitachi	Mitsubishi	NTK	Sandvik	Seco	Sumitomo	Tungaloy	Kennametal	Iscar
Class	Symbol											
K (Cast Iron)	K01	KA30 A65 KT66 <b>PT600M</b> <b>CS7050</b>	-	NPC-H2 NPC-A2	-	SE1 HC1 HC2 HC5 HC6 HW2	CC620 CC650	-	NB90S NB90M WX120	-	KW80 KY1615 AC5	-
	K10	A65 KT66 <b>A66N</b> <b>PT600M</b> <b>CS7050</b> KS6050	-	NX <b>NXA</b> Whisker WIN	-	WA1 HC2 HC6 HC7	CC6090 CC6190 <b>GC1690</b>	-	WX120 <b>NS260C</b>	LX11 LX21	KYK10 <b>KYK25</b> KB90 KY1320 KY3000 <b>KY3400</b>	-
	K20	KS6050	-	-	-	SX6 SX9 <b>SP9</b>	CC6090 CC6190 <b>GC1690</b>	-	WX120	KS20 FX105 CX710	KYK35 <b>KY3400</b> KY3500	-
S (Difficult-to-cut Material)	S01	-	-	-	-	-	CC650	-	-	-	KY2100	-
	S10	CF1 KS6030 KS6040	CA200	Whisker WIN	-	WA1 WA5 SX9	CC670 CC6060 CC6065	-	WX120	TH10	<b>KYS25</b> KY4300 KY1525 KY1540	-
	S20	-	-	-	-	-	-	-	WX120	KS20	KYS30	-
H (Hardened Material)	H01	A65 KT66 <b>A66N</b> <b>PT600M</b>	-	NPC-A2	-	HC4 HC7 <b>ZC7</b>	CC650 CC670 CC6050	-	<b>NB100C</b>	LX11 LX21	<b>KY4400</b>	-
	H10	A65 KT66 <b>A66N</b> <b>PT600M</b>	-	NPC-A2 Whisker WIN	-	<b>ZC7</b> WA1 WA5	CC670	-	-	TH10	KY4300	-

• Boldface grade shows Coated Ceramic.

## CBN

Classification		Kyocera	Dijet	Hitachi	Mitsubishi	NTK	Sandvik	Seco	Sumitomo	Tungaloy	Kennametal	Iscar
Class	Symbol											
K (Cast Iron)	K01	KBN475	JBN795	-	MB710	B20 B22 B30	CB7525 CB50 CB7050	<b>CBN050C</b> <b>CBN300P</b>	BN500 <b>BNC500</b>	BX910 BX930 BX950	-	IB50 IB85
	K10	<b>KBN60M</b> <b>KBN900</b>	JBN330	BH200	MB710 MB5015 MB4020	B22 B23	CB50 CB7050	CBN20 CBN200 CBN300	BN600 BN700 BN7000	BX950 <b>BXC90</b> BX470	KB1630 <b>KB9610</b>	IB55 IB90
	K20	<b>KBN900</b>	-	BH250	MB730 MBS140 <b>BC5030</b>	B16 B40	-	CBN350 CBN500 CBN600	BN7000 BNS800	BX950 <b>BXC90</b> BX90S	<b>KB9640</b>	-
H (Hardened Material)	H01	KBN510 <b>KBN05M</b> <b>KBN10M</b>	DH102	-	<b>BC8110</b> <b>MBC010</b> MB810	B24 B52	CB20	<b>CBN050C</b> CBN010 CBN10 CBN100	BN1000 BNX10 <b>BNC100</b> <b>BNC160</b> <b>BNC2010</b>	BXA30 BX310 <b>BXC30</b> <b>BXM10</b>	KB1610	IB20H <b>IB25HC</b> IB50
	H10	KBN525 <b>KBN05M</b> <b>KBN25M</b>	JC6102 JC8003 JBN500	BH200	<b>BC8120</b> <b>MBC020</b> <b>BC8020</b> MB8025 MB825	B24 B36 B54 B52	CB7015 CB7050 CB50	CBN150 CBN060K CBN200 <b>CBN160C</b>	<b>BNC160</b> BNX20 BN2000 <b>BNC200</b> <b>BNC2020</b>	BXA40 BX330 BX360 <b>BXC50</b>	KB1615 KB1625 KB5610 <b>KB9610</b>	IB50
	H20	<b>KBN30M</b> <b>KBN35M</b> <b>KBN900</b>	JC8003 JC5015 JBN245	BH250	<b>BC8120</b> <b>MBC020</b> <b>BC8020</b> MB8025	B22 B36	CB7025 CB7525	CBN350 <b>CBN300P</b> <b>CNB400C</b> CBN500	BNX25 BN350 <b>BNC300</b>	BX380 <b>BXC50</b> <b>BXM20</b>	KB1340 <b>KB5625</b> <b>KB9640</b>	IB55 <b>IB25HA</b>
Stainless Steel	-	KBN65B KBN570 <b>KBN65M</b> <b>KBN70M</b>	JBN795 JBN500	-	MB4020	-	-	CBN200	BN350 BN7000 BN7500	BX450 BX470 BX480	-	-

• Boldface grade shows PVD Coated CBN.

## PCD (Diamond)

Classification		Kyocera	Dijet	Hitachi	Mitsubishi	NTK	Sandvik	Seco	Sumitomo	Tungaloy	Kennametal	Iscar
Class	Symbol											
N (Non-ferrous Metals)	N01	KPD001	JDA30 JDA735	-	MD205	PD1	CD05 CD10	PCD05 PCD10	DA90 DA1000 DA2200	DX180 DX160	PD100 KD1400 KD1405	-
	N10	KPD001 KPD010 KPD230 KPD250	JDA40 JDA745	-	MD220	PD2	CD10	PCD10 PCD20	DA150 DA1000 DA2200	DX140	KD100 KD1400 KD1415	ID5
	N20	KPD001 KPD010 KPD230 KPD250	JDA10 JDA715	-	MD230	-	-	PCD30 PCD30M	DA1000 DA2200	DX110 DX120	KD1425	-

GRADES  
LINEUP / INSERTS  
45° / 70° LEAD  
75° LEAD  
90° LEAD  
HIGH FEED  
MULTI-FUNCTION  
SLOT MILLS  
RADIUS / BALL-NOSE  
OTHER APPLICATIONS  
TOOL HOLDING  
SPARE PARTS  
TECHNICAL  
INDEX

**A**  
**B**  
**C**  
**D**  
**E**  
**F**  
**G**  
**H**  
**J**  
**K**  
**O**  
**P**  
**R**  
**T**