Comparison table for turning insert chipbreaker

Negative inserts

ISO	Machining range	ZCC·CT	SANDVIK	KORLOY	TaeguTec	WALTER	SECO	MITSUBISHI	SUMITOMO	KENNAMETAL	DIJET	HITACHI	TUNGALOY	KYOCERA	VALANTTE
P	For extra finishing		QF LC	HU	FA FX	FP5	FF1 FF2	PK※ FH, FY FP, FS	FB FA, FL	FF		FE	01※, TF, ZF 11	DP※, GP, PP ,VF, XP XP-T, XF	F1
	For finishing	DF XF	PF XF	HF	FG FM	MP3, FV5 NF3, NF4	MF2	LP, C SA, SH	FE, SU, LU, SX, SE	LF, FN	PF, UR UA, UT	BE, CE B, BH	NS, 27 TSF, AS, TQ	HQ, CQ PQ	F2(2B), F5(5C)
	For finishing (Soft steel)	SF		HF	FC			SY					17	XQ, XS	
	For finishing (Wiper)		WL WF	HW	WS	NF	W-MF2	SW	LUW SEW	FW			AFW, ASW FW, SW	WF WP, WQ	
	For semi-finishing	DM PM XM	PM QM XM	HA HC HM	PC FT MT SM MP	MF3 MV5	MF3 MF5 M3 M5	MP MA MH	GU UG UX GE	P MN	PG UB	CT AB AY AE AH	NM, ZM TM, DM 37, AM 33, 38	PG, CJ, GS, PS HS, PT	F3, F4(8A), M2(2C), M3 M4, M5(5B), M6, M7, 55, M8
	For semi-finishing (Wiper)		WMX WM		WT	NM	W-M6 W-M3 W-MF5	MW	GUW	MW RW				WE	
	For light roughing	DR (Double-side)	PR, HM XMR		RT	NM6, RP5 NM9, RP7	MR7 MR6	RP GH	MU, MX ME, UZ	RN RP	UD, GG	Y, RE	TH	RH, GT	
	For roughing	ER,SNR, DR (Single-side)	QR PR HR MR	HR HH	RX, HD HY, HT RT, RH HZ, EH	NR6 NRF NRR	R5, R56 R4, R6 R7, PR9 R57, RR6 R8	HM, HL HZ, HX HV, HR	MP, HG HP, HU HW, HF	MR, RM RH	UC	TE, UE HX, HE H	TU, TRS TUS	PX	R3, R4, R6(9A) R7(9B), R9(9C)
	For heavy roughing	HDR,HPR													

※ Periphery grinding type

Comparison table for turning insert chipbreaker

Negative inserts

ISO	Machining range	ZCC·CT	SANDVIK	KORLOY	TaeguTec	WALTER	SECO	MITSUBISHI	SUMITOMO	KENNAMETAL	DIJET	HITACHI	TUNGALOY	KYOCERA	VALANTTE
M	For finishing	EF	MF	HA	SF	NF4, FM5	MF1	SH, LM	SU, EF	FP, LF※		MP, AB BH	SS	MQ GU	F1, F2(2B), F5(5C)
	For semi-finishing	EM	MM, QM XM, K	HS	ML, EM MM, VF	MM5 RM5 NM4	MF4	MS, ES GM, MM MA	EX, EG UP, GU HM	MP	SF, SG SZ	DE PV SE AH	SF, SA, SM, S	MS, MU SU, HU, ST, TK	F3, F4(8A), M2(2C), M3 M4, M5(5B), M6, M7, 55, M8
	For roughing	ER	MR	GS, HM	MT	NR4 NR5	M5, MR7 RR6	GH, HZ RM, HL	EM, MU MP	UP RP		AE	TH, SH		R3, R4, R6(9A) R7(9B), R9(9C)
K	For finishing	PM	KF			MK5	MF2, M3 MF5, M4	VA AH		FN		VA, AH	CF	KQ	F2(2B)
	For Semi-Finishing	PM	KM	Through chip-breaker, HM	MC	RK5 NM5	M5	V AE	UZ, GZ UX	RP, UN	PG	V, AE	CM	KG, C	M5(5B), M6, M8
	For roughing	Without chip-breaker	KR KRR	GR, HR GH	KT	RK7		RE			GG	RE		KH, GC	R3, R4, R7(9B)
S	For finishing	NF/NGF	SF SGF※		EA	NF4, NFT MS3	MF5, MF1 MF4	FJ※, LS MJ, MJ※	EF, SU※	FS, LF※ MS			HRF	MQ	F5(5C), M2(2C)
	For semi-finishing	NM	NGP※, SM			NMT, NMS	M1	MS	EG, EX SU※, UP	NGP※ UP, P		VI	HRM, SA HMM	SQ, MS MU, TK	M4, M5(5B), M7, 55
	For roughing	SNR	SR SMR		ET	NRS NRT	MR3 MR4	GJ RS	MU	RP				SG SX	

※ Periphery grinding type

Comparison table for turning insert chipbreaker

Positive inserts

ISO	Machining range	ZCC·CT	SANDVIK	KORLOY	TaeguTec	WALTER	SECO	MITSUBISHI	SUMITOMO	KENNAMETAL	DIJET	HITACHI	TUNGALOY	KYOCERA	VALANTTE
P	For finishing	SF, HF	PF, UF XF	HFP	FA, FG FX	PF4 FP4	FF1 F1	FV, SV FP, LP	FP, LU SU, SK	11, UF LF, FP		JQ	PF, PSF PS, PSS	GP, XP VF, PP	PF4 JQ, JZ
	For finishing (Wiper)		WF			PF2※ PF, PF5※	W-F1	SW	LUW SDW	FW				WP	
	For semi-finishing	HM	UM, XM PM, PR XR	HMP C25	MT, PC	PS5 PM5 FP6	F2 MF2, M5	MV, MP	MU	MF, MP	FT	JE	PM 23, 24	HQ, XQ GK MF※	PM2 PM4
	For semi-finishing (Wiper)		WM		WT	PM	W-F2 W-M3	MW		MW					
M	For finishing	EF	MF	HFP		FM4	F1, F2	FM, LM	FC※, SI※ LU, SU	MF		MP	PF, PSF PS, PSS	CF※, CK※ GQ※, GF※ MQ, SK	1A, 2A
	For semi-finishing	EM	MM	HMP C25		MM4 RM4		MM	MU	MP			PM	HQ GK	PM2 PM4
K	For semi-finishing	HM, HR without chip-breaker	KF KM KR	HMP C25		FK6	F1 M3, M5	MK without chip-breaker	MU without chip-breaker	without chip-breaker			CM without chip-breaker	without chip-breaker※	PM2 PM4
S	For finishing/ For semi-finishing	NGF						FS※, LS※ FJ※, FS-P※ LS-P※	SL※	LF※ HP※				MQ	PM2, 1A 2A
N	For general turning	LC,LH	AL	TA AK MA	FL	PM2, FN2 MN2	AL※	AZ※	AG	HP※	ALU ACB ASF		AL※	AH※	1L, 1A 2A

※ Periphery grinding type

CVD coating

Application	ISO Code		ZCC·CT	SANDVIK	KORLOY	TaeguTec	WALTER	MiTSUBiSHi	SUMITOMO	TUNGALOY	KYOCERA	DIJET	HITACHI	KENNAMETAL	SECO	ISCAR
Turning	P	P01		GC4305 GC4205		TT8115	WPP01 WPP05 WPP05S	UE6105	AC810P AC700G	T9105	CA510 CA5505	JC110V	HG8010	KCP05B KCP05 KC9105	TP0501 TP0500 TP1501 TP1500	IC9150 IC8150 IC428
		P10	YBC103 YBC152	GC4315 GC4215 GC4325	NC310 NC3015	TT8115	WPP05 WPP10 WAK20 WPP05S WPP10S	UE6105 MC6015 UE6110 MY5015	AC8015P AC810P AC700G AC820P AC2000	T9105 T9115	CA510 CA5505 CA515 CA5515 CA025P	JC110V JC215V	HG8010 HG8025 GM8020	KCP10B KCP10 KCP25 KC9110	TP1501 TP1500 TP2501 TP2500	IC9150 IC8150 IC8250
		P20	YBC203 YBC252	GC4315 GC4215 GC4325 GC4225	NC3020	TT8125 TT5100	WPP20 WPP20S	MC6015 UE6110 MC6025 UE6020 MY5015	AC820P AC2000 AC8025P AC830P	T9115 T9125	CA515 CA5515 CA525 CA5525 CR9025 CA025P	JC110V JC215V	HG8025 GM8020 GM25	KCP25B KCP30B KCP25 KC9125	TP2501 TP2500	IC8250 IC9250 IC8350
		P30	YBC252 YBC352	GC4335 GC4325 GC4225 GC4025 GC4235	NC330	TT8125 TT5100 TT8135	WPP30 WAK30 WPP30S	MC6025 UE6020 MC6035 UE6035 UH6400	AC8035P AC830P AC630M	T9125 T9135 T6130	CA525 CA5525 CA530 CA5535 CR9025	JC325V JC215V	GM25 GM8035	KCP30B KCP30	TP3501 TP3500 TP3000	IC8350 IC9250 IC9350
		P40	YBC351 YBC352	GC4335 GC4235		TT7100 TT8135	WPP30 WAK30 WPP30S	MC6035 UE6035 UH6400	AC8035P AC630M	T9135 T6130	CA530 CA5535	JC325V	GM8035 GX30	KCP40B KCP40 KC9140 KC9240	TP3501 TP3500 TP3000	IC9350
	M	M10	YBM153	GC2015 GC2220		TT9215		MC7015 US7020	AC610M AC6020M	T9115	CA6515	JX605X JC110V		KCM15B KCM15	TM2000	IC6015 IC8250
		M20	YBM153 YBM253	GC2220 GC2015	NC9020	TT9215 TT9225		MC7015 US7020 MC7025	AC6020M AC610M AC6030M AC630M	T6120 T9125	CA6515 CA6525	JC110V	HG8025 GM25	KCM15 KC9225 KCM25B	TM2000	IC6015
		M30	YBM251 YBM253	GC2025	NC330	TT9225 TT9235		MC7025 US735	AC6030M AC630M	T6130	CA6525	JX525X	GM8035 GX30	KCM25 KC9230 KCM35B	TM4000	IC6025
		M40	YBM253	GC2025		TT9235		US735	AC6030M AC630M			JX525X	GX30	KCM35B KCM35 KC9240 KC9245	TM4000	IC6025
	K	K01	YBD052	GC3205 GC3210			WAK10 WPP01	MC5005 UC5015	AC405K AC410K	T5105	CA4505 CA4010 CA310	JC050W JC105V	HX3505	KCK05B KCK05	TK0501 TH1500	IC5005
		K10	YBD102 YBD152	GC3205 GC3210	N305K	TT7005	WPP10 WAK10 WKK10S	MC5015 UC5115 MY5015	AC405K AC410K AC415K AC420K AC700G	T5105 T515 T5115	CA315 CA4515 CA4010 CA4115	JC108W JC050W JC105V JC110V	HX3515 HG8010	KCK15B KCK15 KCK20 KC9315 KCK20B	TK0501 TH1501	IC5005 IC5010 IC428
		K20	YBD152 YBD252	GC3225 GC3215	N315K	TT7310	WPP20 WAK20 WKK20S	MC5015 UC5115 UE6110 MY5015	AC415K AC420K AC700G AC820P	T515 T5115 T5125	CA320 CA4515 CA4115 CA4120	JC108W JC110V JC215V	HG8025 GM8020	KCK20B KCK20 KC9325 KCPK05	TK1501	IC5010 IC8150
		K30		GC3225			WAK30 WKP30S	UE6110	AC820P	T9115 T5125		JC215	HG8025 GM8020	KCPK05		
	S	S01		S05F				US905			CA6515 CA6525 CA6535		HS9105 HS9115			

CVD coating

Application	ISO Code		ZCC·CT	SANDVIK	KORLOY	TaeguTec	WALTER	MiTSUBiSHi	SUMITOMO	TUNGALOY	KYOCERA	DIJET	HITACHI	KENNAMETAL	SECO	ISCAR
Milling	P	P10					WKP25					JC730U			MP1500	IC9080 IC4100 IC9015
		P20	YBM253	GC4220		TT7800	WKP25 WKP35 WKP35S	F7030 MC7020	ACP100	T3225		JC730U	GX2140		MP1500 MP2500	IC5500 IC5100 IC520M
		P30	YBC302 YBM253	GC4230	NCM335	TT7800	WKP25 WKP35 WKP35S	F7030 MC7020	ACP100	T3130 T3225			GX2140 GX2160	KCPK30 KC930M	MP2500	IC5500 IC4050
		P40	YBC302	GC4240		TT7800	WKP35 WKP35S						GX2030 GX30 GX2160	KC935M KC530M		
	M	M10														IC9250
		M20	YBM253			TT7800		F7030 MC7020	ACP100 ACM200	T3225	CA6535	JC730U	AX2040 GX2140	KC925M	MP2500 MM4500	IC520M IC9350
		M30		GC2040	NCM335	TT7800		F7030 MC7020	ACP100	T3130 T3225	CA6535		AX2040 GX2140 GX2160 GX30	KC930M	MP2500 MM4500	IC9350 IC4050
		M40											GX2030 GX2160 GX30	KC930M KC935M		IC635
	K	K01					WKP15					JC600				
		K10	YBD152		NCM310	TT6800	WKP15 WKP25	MC5020	ACK100	T1215 T1115	CA420M	JC600				
		K20	YBD152 YBD252 YBD203	GC3220 GC3330 K20W	NCM320	TT6800	WKP15 WKP25 WKP35 WKP35S	MC5020	ACK200	T1215		JC610		KC915M	MK1500 MK2000	IC5100 IC9150
		K30	YBD252	GC3330 GC3040			WKP25 WKP35 WKP35S					JC610	GX30	KC920M KC925M KCPK30 KC930M KC935M	MK2000 MK3000	IC4100 IC4050 IC520M

PVD coating

Application	ISO Code		ZCC·CT	SANDVIK	KORLOY	TaeguTec	WALTER	MiTSUBiSHi	SUMITOMO	TUNGALOY	KYOCERA	DIJET	HITACHI	KENNAMETAL	SECO	ISCAR
Turning	P	P01					WXN10				PR1005					
		P10	YBG102	GC1125			WSM10 WSM21	VP10MF MS6015		AH710	PR1005 PR930 PR1025 PR115 PR1225 PR1425			KCU10 KC5010 KC5510 KU10T	CP200 TS2000	IC250 IC507 IC570 IC807 IC907 IC908
		P20	YBG202	GC1125 GC15	PC230	TT9030	WSM21 WSM20	VP10RT VP20RT VP15TF VP20MF MS6015	AC520U	AH120 AH730 AH725 SH725 SH730 J740	PR930 PR1025 PR1115 PR1225 PR1425 PR1535		IP2000	KCU10 KC5025 KC5525 KU25T	TS2500	IC1007 IC250 IC308 IC507 IC807 IC808 IC907 IC908 IC1008 IC1028 IC3028
		P30	YBG202	GC1125		TT9030 TT8020	WSM30	VP10RT VP20RT VP15TF VP20MF	AC1030U AC530U	AH725 AH120 AH730 SH730 GH330 GH730 J740 SH725	PR1025 PR1225 PR1425 PR1535 PR1625		IP3000	KCU25 KC5525 KU25T	CP500	IC228 IC250 IC328 IC330 IC354 IC528 IC1008 IC1028 IC3028
		P40			PC240	TT8020				AH120 AH725 AH645	PR1535				CP500 CP600	IC228 IC328 IC528 IC928 IC1008 IC1028 IC3028
	M	M10	YBM215	GC1115 GC15 GC1105			WSM10 WSM10S	VP10MF MS6015		AH630	PR1025 PR1225 PR1425	JC5003 JC8015	IP050S	KCU10 KC5010 KC5510	CP200 TS2000	IC354 IC507 IC520 IC807 IC907 IC1007 IC5080T
		M20	YBG202 YBG205 YBM215	GC1115 GC15 GC1125	PC9030	TT9030 TT8010	WSM20 WSM21 WSM20S	VP10RT VP20RT VP15TF VP20MF	AC520U	AH725 AH120 SH730 AH630 SH725	PR1025 PR1125 PR1225 PR1425 PR915 PR930 PR1535	JC5003 JC5015 JC8015 JC5118	IP100S	KCU10 KC5010 KC5510	TS2500 CP500	IC354 IC808 IC908 IC1008 IC1028 IC3028 IC5080T
		M30		GC1125 GC2035	PC9030	TT8020	WSM30 WSM30S	VP10RT VP20RT VP15TF VP20MF MP7035	AC520U AC530U AC1030U AC6040U	AH725 AH120 SH730 J740 AH645 SH725	PR1125 PR1425 PR1535	JC5015 JC8015 JC5118		KCU25 KC5525 KU25T	CP500 CP600	IC228 IC250 IC328 IC330 IC1008 IC1028 IC9080T
		M40		GC2035				MP7035	AC530U AC6040U	AH645	PR1535	JC5118				IC328 IC928 IC1008 IC1028 IC3028 IC9080T

PVD coating

Application	ISO Code		ZCC·CT	SANDVIK	KORLOY	TaeguTec	WALTER	MiTSUBiSHi	SUMITOMO	TUNGALOY	KYOCERA	DIJET	HITACHI	KENNAMETAL	SECO	ISCAR
Turning	K	K01								AH110						
		K10		GC15	PC205K	TT9030			AC510U	GH110 AH110				KCU10 KC5010 KC5510	CP200 TS2000	IC350 IC910 IC1008
		K20			PC215K	TT9030		VP10RT VP20RT VP15TF		AH120				KCU15 KCU25	CP200 TS2000 TS2500	IC228 IC350 IC808 IC830 IC908 IC1007 IC1008
		K30				TT9030		VP10RT VP20RT VP15TF		AH120 GH130				KCU25 KC5525 KU25T	CP500	IC228 IC350 IC808 IC830 IC908 IC1007 IC1008
	S	S01					WSM10	MP9005 VP05RT		AH8005	PR005S PR1305	JC5003 JC8015	JP9105		TH1000	IC507 IC807 IC903 IC806 IC5080T
		S10	YBG102 YBG105 YBG202 YBS103	GC1105 GC15		TT8010	WSM10 WSM10S	MP9005 MP9015 VP10RT	AC510U	AH8005 AH8015	PR005S PR1310 PR015S	JC5003 JC5015 JC8015	JP9115	KCU10 KC5010 KC5410 KC5510	CP200 CP250 TS2000 TS2050 TS2500 TH1000	IC228 IC300 IC328 IC808 IC908 IC928 IC3028 IC806 IC9080T
		S20	YBG212 YBS103	GC1125		TT8020	WSM20 WSM20S WSM21	MP9005 MT9015	AC510U AC520U	AH8015	PR015S PR1125 PR1325	JC5015 JC8015 JC5118		KCU10 KCU25 KC5025 KC5525	TS2500 CP500	IC928 IC830
		S30		GC1125			WSM30 WSM30S	VP15TF MP9025 VP20RT	AC1030U	AH630 AH7025	PR1125 PR1535	JC5118		KC5525	CP600	

PVD coating

Application	ISO Code		ZCC·CT	SANDVIK	KORLOY	TaeguTec	WALTER	MiTSUBiSHi	SUMITOMO	TUNGALOY	KYOCERA	DIJET	HITACHI	KENNAMETAL	SECO	ISCAR
Milling	P	P01				TT2510 TT5505				AH110 AH710		JC8003	ATH80D ATH08M TH308 PN208 JP4105 PN15M			IC903
		P10	YBG252	GC1010 GC1130		TT2510 TT5505 TT5515 TT7080	WXH15 WXM15		ACP200	AH120 AH725	PR830 PR1225	JC8003 JC8015 JC5015 JC5118	PN15M PN215 PCA12M JP4115	KC505M KC715M KC510M KC515M		IC250 IC350 IC808 IC810 IC900 IC903 IC908 IC910 IC950
		P20	YBG205 YBG205H YBG202 YBG9320 YBG252	GC1010 GC1030 GC1130 GC2030	PC230	TT2510 TT5505 TT5525 TT7080 TT9030 TT9080	WHH15 WXM15	MP6120 VP15TF	ACP200	AH725 AH120 AH3135 AH9030	PR830 PR1225 PR1230 PR1525	JC5015 JC5040 JC6235 JC8015 JC5118 JC6235 JC7560P JC8118P	CY9020 JP4120 CY150	KC522M KC525M KC527M KC610M KC620M KC635M KC715M KC720M KC730M KTPK20	F25M MP3000	IC250 IC300 IC328 IC330 IC350 IC808 IC810 IC830 IC900 IC908 IC910 IC928 IC950 IC1008
		P30	YBG302	GC1010 GC1030 GC1130 GC2030	PC3530 PC130	TT5525 TT7080 TT8020 TT8080 TT9030 TT9080	WSP45 WSP46	MP6120 VP15TF MP6130 VP30RT	ACP200 ACP300	AH725 AH120 AH130 AH3135 AH6030	PR1230 PR1525	JC6235 JC7560 JC8050 JC7560P JC5015 JC8118 JC5040 JC8118P JC8015 JC5118	JS4045 CY250 CY250V CY25 HC844	KC735M KC725M KC530M KC537M KCPM40	F25M MP3000 F30M	IC250 IC300 IC328 IC330 IC350 IC830 IC845 IC900 IC928 IC950 IC1008
		P40	YBG302	GC1030 GC1130 GC2030		TT8020	WSP45 WSP46	VP30RT	ACP300	AH140	PR1525	JC6235 JC7560 JC8050 JC7560P JC5040 JC8118 JC5118 JC8118P JC5118	JS4060 PTH30E PTH40H JX1060 JS4060	KC735M KC537M KCPM40	F40M T60M	IC300 IC328 IC330 IC830 IC928 IC1008

PVD coating

Application	ISO Code		ZCC·CT	SANDVIK	KORLOY	TaeguTec	WALTER	MiTSUBiSHi	SUMITOMO	TUNGALOY	KYOCERA	DIJET	HITACHI	KENNAMETAL	SECO	ISCAR
Milling	M	M01											PN08M PN208			IC907
		M10		GC1025 GC1130 GC1030 GC1010		TT5525 TT9030 TT9080	WXM15		ACM100	AH725	PR1225		PN15M PN215	KC735M KC515M		IC903
		M20	YBG205 YBG205H YBG202 YBG9320 YBS303	GC1025 GC1030 GC1040 GC2030 S30T		TT8020 TT8080	WXM15 WSM35 WSM36	VP15TF MP7130 MP7030 VP20RT	ACP200	AH725 AH130 AH6030 AH3135	PR1025 PR1225	JC5015 JC5118 JC8015	JP4120	KC610M KC5635M KC730M KC720M KC522M KC525M KCPM40 KCPK20	F25M MP3000	IC250 IC300 IC808 IC830 IC900 IC908 IC928 IC1008
		M30	YBS303 YBG302	S30T GC1040 GC2030	PC9530	TT8020 TT8080	WSM35 WSM36 WSP45 WSP46	VP15TF MP7130 MP7030 VP20RT MP7140 VP30RT	ACP200 ACP300 ACM300	AH130 AH3135	PR830 PR1225 PR1525 PR1535	JC5015 JC7560 JC8015 JC7560P JC8050 JC8118 JC5118 JC8118P	JS4045 CY250 HC844	KC537M KC725M KC735M KCPM40 KC530M	F30M F40M MP3000	IC250 IC300 IC328 IC330 IC830 IC928 IC1008 IC380 IC882
		M40	YBG302			TT8020	WSM35 WSM36 WSP45 WSP46	MP7140 VP30RT	ACP300 ACM300	AH140	PR1525 PR1535	JC5015 JC7560 JC5118 JC7560P JC8050 JC8118 JC8118P	PTH30E PTH40H JM4160		F40M	IC250 IC300 IC328I C330 IC1008 IC882

PVD coating

Application	ISO Code		ZCC·CT	SANDVIK	KORLOY	TaeguTec	WALTER	MiTSUBiSHi	SUMITOMO	TUNGALOY	KYOCERA	DIJET	HITACHI	KENNAMETAL	SECO	ISCAR
Milling	K	K01				TT6080		MP8010		AH110		JC8003	ATH80D ATH08M TH308			
		K10	YBG105	GC1010	PC205K	TT6080	WHH15 WXM15 WKK25	MP8010		AH110 AH120	PR1210 PR1510	JC8015	ATH10E TH315 CY100H	KC514M KC515M KC527M KC635M	MK2050	IC350 IC810 IC830 IC900 IC910 IC928 IC950 IC380 IC1008
		K20	YBG105	GC1010 GC1020	PC215K		WHH15 WXM15 WKK25	VP15TF VP20RT	ACK300	AH120 AH9030	PR1210 PR1510	JC5015 JC8015 JC6235	CY150 JP4120 CY9020 PTH13S	KTPK20 KC514M KC610M KC520M KC620M KC524M	MK2000 MK2050	IC350 IC808 IC810 IC830 IC900 IC908 IC910 IC928 IC950 IC1008
		K30		GC1020			WKK25	VP15TF VP20RT	ACK300	AH120		JC6235 JC5015 JC8015 JC8118 JC8118P	CY250 JS4045	KC522M KC725M KC524M KC735M KC537M	MK2050	IC350 IC808 IC830 IC908 IC928 IC950 IC1008
	S	S01								AH110 AH710	PR1210	JC8003 JC8015 JC5118	PN08M PN208			IC907 IC908 IC808 IC903
		S10	YBG202 YBS203	GC1130 GC1010 GC1030 GC2030		TT9030 TT9080 TT8080		MP9120 VP15TF	EH520Z EH20Z ACM100	AH120 AH725	PR1210	JC8003 JC8015 JC5118 JC5015	JS1025 JP4120	KC510M	MS2050	IC903 IC907 IC908 IC840 IC910 IC808
		S20	YBS203 YBS303	S30T GC2030 GC1030 GC1130		TT8020 TT8080	WSM35 WSM36	MP9120 VP15TF MP9130 MP9030	EH520Z EH20Z ACK300 ACP300	AH725 AH130 AH6030	PR1535	JC8050 JC8015 JC5118 JC5015	PTH30H	KC522M KC525M KCSM30 KCPM40	MS2050	IC300 IC908 IC808 IC900 IC830 IC928 IC328 IC330 IC840 IC882 IC380
		S30	YBS303	GC2030 GC1040		TT8020	WSM35 WSM36 WSP45 WSP46		ACM300 ACP300	AH130	PR1535	JC8050 JC7560 JC5118	JM4160	KC725M KCPM40	MS2050 F40M KCSM40	IC830 IC882 IC928
	H	H01				TT2510 TT5505		MP8010 VP05HT		AH110		JC8003 DH103 JC8008 DH102				IC903
		H10		GC1130 GC1010 GC1030		TT5515 TT6080	WHH15	VP15TF VP10H		AH120		JC8003 JC8008 JC8015 JC5118 JC8118P	JP4105 TH308 TH303 PTH08M ATH08M ATH80D	KC505M KC510M	MH1000 F15M	IC900 IC808 IC907 IC905
		H20		GC1030 GC1130		TT5515 TT6080	WHH15	VP15TF		AH120 AH725 AH9030		JC8015 JC5118 JC8118P	JP4115 TH315		F15M	IC900 IC808 IC908 IC380 IC1008
		H30											JP4120		MP3000 F30M	IC380 IC900 IC1008

Grades comparison table

Cermet

Application	ISO Code		ZCC·CT	SANDVIK	KORLOY	TaeguTec	WALTER	MiTSUBiSHi	SUMITOMO	TUNGALOY	KYOCERA	DIJET	HITACHI	KENNAMETAL	SECO	ISCAR
Turning	P	P01			CC105 CN100	PV3010 CT3000		AP25N* VP25N*	T110A T1000A	NS520	TN30 TN610 PV710* PV30* TN6010 PV7010*	LN10 CX50				IC20N IC520N*
		P10	YNG151 YNG151C	CT5015 GC1525*	CC15 CN200 CT10	PV3010 CT3000	WCE10	NX2525 AP25N* VP25N*	T1200A T2000Z* T1500A T1500Z*	GT9530* J9530	TN60TN610 PV710* PV60* TN6010 PV7010*	CX50 CX75 PX75*	CZ25*	KT315 KT125	TP1020 TP1030* CM CMP*	IC20N IC520N* IC530N*
		P20		GC1525*		PV3010 CT3000	WCE10	NX2525 AP25N* VP25N* NX3035 MP3025*	T1200A T2500A T2000Z* T3000Z* T1500A T1500Z*	GT9530* NS9530 J9530	TN60 PV60* TN620 PV720* TN6020 PV7020* PV7025*	CX75 PX75* PX90*	CH550	KT325 KT1120 KT5020*	TP1020 TP1030*	IC20N IC520N* IC30N IC530N* IC75T
		P30						MP3025* VP45N*	T3000Z*	NS9530	PV7025* PV90*	PX90*				IC75T
	M	M10	YNG151 YNG151C	GC1525*		PV3010 CT3000		NX2525 AP25N VP25N	T110A T1000A T2000Z T1500Z	NS520	TN60 PV60* TN620 PV720* TN6020 PV7020*	LN10 CX50		KT125	TP1020 TP1030* CM CMP*	
		M20				PV3010 CT3000		NX2525 AP25N* VP25N*	T1200A T2000Z T1500A T1500Z	GT9530 NS9530 J9530	TN90 TN6020 TN620 PV720* PV90* PV7020* PV7025*	CX50 CX75 PX75	CH550			
		M30								NS9530						
		M40														
	K	K01			CC105 CN100	PV3010 CT3000		NX2525 AP25N*	T110A T1000A T2000Z* T1500Z*	NS520	TN30 PV30* PV7005* TN610 PV710* TN6010 PV7010*	LN10				
		K10	YNG151 YNG151C	CT5015	CC115	CT3000		NX2525 AP25N*	T1200A T2000Z* T1500A T1500Z*	GT9530 NS9530 J9530	TN60 PV60* TN6020 TN620 PV720* PV7020* PV7025*	LN10		KT325 KT125		
		K20						NX2525 AP25N*	T3000Z*	NS9530		CX75				
		K30														

Cermet

Application	ISO Code		ZCC·CT	SANDVIK	KORLOY	TaeguTec	WALTER	MiTSUBiSHi	SUMITOMO	TUNGALOY	KYOCERA	DIJET	HITACHI	KENNAMETAL	SECO	ISCAR
Milling	P	P01				CT3000										
		P10	YNG151 YNG151C		CN100	CT3000 CT7000		NX2525		NS740	TN60	CX75	MZ1000*		C15M	IC30N
		P20		CT530	CN20	CT3000 CT7000		NX2525 MX3020	T250A	NS740	TN100M TN60	CX75 CX90	CH550 CH7030 MZ1000* MZ2000*	KT530M HT7 KT605M	C15M MP1020	IC30N
		P30			CN30	CT7000		MX3030 NX4545	T250A T4500A			CX90 CX99	MZ3000* CH7035			IC30N
	M	M01														
		M10	YNG151 YNG151C			CT3000 CT7000		NX2525		NS740	TN60					IC30N
		M20		CT530		CT7000		NX2525 MX3020		NS740	TN100M	CX75	CH550 CH7030 MZ1000* MZ2000*	KT530M HT7 KT605M	C15M	IC30N
		M30						MX3030 NX4545	T250A			CX90 CX99	MZ3000* CH7035			
		M40														
	K	K01														
		K10	YNG151 YNG151C			CT7000		NX2525		NS740	TN60					
		K20						NX2525				CX75		KT530M HT7		
		K30														

PCBN grade

Application	ISO Code		ZCC·CT	SANDVIK	KORLOY	TaeguTec	WALTER	MiTSUBiSHi	SUMITOMO	TUNGALOY	KYOCERA	DIJET	SECO	Element Six
Turning	H	H01					WCB30	BC8105 BC8110 MBC010 MB810	BNC100 BNX10 BN1000	BXM10 BX310	KBN050M KBN10M KBN510		CBN060K	
		H10	YCB012	CB7015	KB320 KB330 KB420	KB50 TB650	WCB30 WCB50	BC8110 MBC020 BC8120 BC8020 MB825 MB8025	BNC160 BNX20 BN2000	BXM10 BX330 BX530	KBN25M KBN525	JBN300	CBN010	DBC50
		H20		CB7025 CB20		TB650	WCB50 WCB80	MBC020 BC8120 BC8020 MB8025	BNC200 BNX25 BN250	BXA20 BXM20 BX360	KBN30M	JBN245	CBN150 CBN160C	DBN45
		H30		CB7525				BC8130 MB835	BNC300 BN350	BXC50 BX380	KBN35M		CBN150 CBN160C	
	S	S01				KB90		MB730	BN700 BN7000	M714B			CBN170	
	K	K01				KB90	WCB90	MB710 MB5015	BN500 BNC500	BX930 BX910 BX870				
		K10	YCB011 YZB221	CB7525	KB350 KB360	KB90A	WCB50 WCB80	MB730 MB4020	BN700 BN7500	BX470 BX480 BX950	KBN60M	JBN795		DBA80
		K20	YZB221				WCB80	MB730 MB4020	BN700 BN7000	BXC90 BX90S	KBN60M	JBN500	CBN200	
		K30		CB7925				BC5030 MBS140	BNS800	BX90S BXC90	KBN900		CBN300 CBN400C CBN500	

PCD grade

Application	ISO Code		ZCC·CT	SANDVIK	KORLOY	TaeguTec	WALTER	MiTSUBiSHi	SUMITOMO	TUNGALOY	KYOCERA	DIJET	SECO	Element Six
Turning	N	N01		CD05			WCD10	MD205	DA90	DX180 DX160	KPD001	JDA30 JDA735	PCD05	CTH025
		N10	YCD011	CD10	DP90 DP150 DP200	KP500	WCD10	MD220	DA150	DX140	KPD010		PCD10	CTB010
		N20				KP300	WCD10	MD220	DA2200	DX120		JDA715	PCD20	CTB002
		N30				KP100		MD230	DA1000	DX110	KPD230	JDA10	PCD30 PCD30M	

Cemented carbide material

Application	ISO Code		ZCC·CT	SANDVIK	KORLOY	TaeguTec	WALTER	MiTSUBiSHi	SUMITOMO	TUNGALOY	KYOCERA	DIJET	HITACHI	KENNAMETAL	SECO	ISCAR
Turning	P	P01			ST05											
		P10			ST10	P10			ST10P	TH10		SRT				IC70
		P20		SMA	ST20	P20		UTI20T	ST20E	KS20		SRT DX30	EX35			IC70 IC50M
		P30		SM30	ST30A	P30		UTI20T	A30	KS15F UX30	PW30	SR30 DX30	EX35			IC50M IC54
		P40				P40			ST40E	TX40		SR30	EX45			IC54
	M	M10		H10A	U10	M10			EH510 U10E	TH10		UMN	WA10B	KU10 K313 K68	890	IC07
		M20		H13A	U20	M20		UTI20T	EH520 U2	KS20		DX25 UMS	EX35	KU10 K313 K68	HX	IC07 IC08 IC20
		M30		H10F SM30	ST30A			UTI20T	A30	UX30		DX25 UMS	EX45		883	IC08 IC20 IC28
		M40			U40	M40				TU40		UM40	EX45			IC28
	K	K01			H02	UF1		HTI05T	H1 H2	KS05F		KG03	WH05	KU10 K313 K68		
		K10	YD201	H10 HM	H01	K10		HTi10	EH10 EH510	TH10	KW10 GW15	KG10 KT9	WH10	KU10 K313 K68	890	IC20
		K20	YD201	H13A	G10	K20		UTI20T	G10E EH20 EH520	KS15F KS20	GW25	CR1 KG20		KU10 K313 K68	HX	IC20
		K30			G3	K30		UTI20T	G10E			KG30			883	
	N	N01		H10 H13A					H1 H2	KS05F	KW10					
		N10	YD201		H01	K10	WK1 WK10	HTI10	EH10 EH510	TH10	KW10 GW15	KT9	WH10	KU10 K313 K68	H15	IC08 IC20
		N20	YD201			K20	WK1 WK10		G10E EH20 EH520	KS15F		CR1	WH20	KU10 K313 K68	HX	IC08 IC20
		N30					WK40 WMG40					KG30			H25	
	S	S01						RT9005			SW05	KG03				
		S10	YD201	H10 H10A H10F H13A	H01	K10	WK1	RT9005 RT9010 MT9015	EH10 EH510	KS05F TH10	SW10	FZ05 KG10	WH135	KU10 K313 K68	HX	IC07 IC08
		S20	YD201			K20	WK1 WMG40	RT9010 TF15	EH20 EH520	KS15F KS20	SW25	FZ15 KG20		KU10 K313 K68	H25	IC07 IC08
		S30					WMG40	TF15				KG30				

Cemented carbide material

Application	ISO Code		ZCC·CT	SANDVIK	KORLOY	TaeguTec	WALTER	MiTSUBiSHi	SUMITOMO	TUNGALOY	KYOCERA	DIJET	HITACHI	KENNAMETAL	SECO	ISCAR
Milling	P	P10		S1P								SRT				
		P20			ST20	P30		UTI20T	A30N			SRT DX30	EX35	K125M		IC50M IC28
		P30			ST30A	P30		UTI20T	A30N	UX30	PW30	SR30 DX30	EX35	GX		IC50M IC28
		P40	YC30S		ST40						PW30	SR30	EX45			IC28
	M	M10			U10	M10										
		M20			U20	M20						UMN				
		M30	YC30S					UTI20T	A30N			DX25 UMS	EX35			IC08 IC20
		M40		SM30	U40	M40		UTI20T	A30N			DX25 UMS	EX35			IC08 IC28
	K	K01	YD051		H01	K10		HTI05T				KG03		K115M K313		
		K10	YD051		H05 H10	K10	WK10	HTI10	G10E	TH10	KW10 GW25	KG10	WH10	K115M K313		IC20
		K20	YD201	H13A	G10			UTI20T	G10E		GW25	KT9 CR1 KG20			HX	IC20
		K30						UTI20T				KG30				

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Q□-HMX-4B E400
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