



Negative Rake Inserts													
ISO Category	Application	ANC	Ceratizit	Iscar	Kennametal	Korloy	Mitsubishi	Sandvik	Seco	Stellram	Sumitomo	Tungaloy	Walter
P	Finishing	P2 xNGM	TF TFQ	NF, PF SF	FF, FH FN, FX K	VF, VG VL	C FH, FS SA	LC, PF QF	FF1 MF2	1B	EFA EFL ELU ESE ESU	11, 17, 27 AS, CB, C, NM NS, TF, TSF, ZF AFW ASW	FP5 MP3 NF4
	Medium Machining	P3, GM MM, VM	M50, TM TMF TMM TMQ TRM	GN, PP TF	MH, MN MX, P UN	VB, VC VM, VQ	MA, MH MV, SH	HM, PM QM	M3 MF3 MF5	2N	EGE EGU ENG ESX EUX	33, 37, 38 DM, TM ZM	C5, MP5 M2, M4 NMT NM4 NM5 NM6 RP5
	Roughing	P4, GR LR	TMR	GN, HT NM, NR	RN, RP	HR	GH	PR	M5	4T, 4U	EME EMU EMX ENZ	TH	R3
	Heavy Roughing	P5, XR	R28 R58 R80 R88 TR, TRR		MG, RP	GH, VH VT	HV, HZ	HR, MR QR	57, MR7 R4, R5 R6, RR6 R7, RR9	5R	EHG EHP ENP	57, 65 TU	NR6 NRF NRR
M	Finishing	SF xNGP	F30 F32, TF	NF, PF SF, VL	FF, FN FP, LF	VP2	FS	LC, MF SGF	FF1 MF1	1B, 2N	ESU	SS	NF4 NFT F5, SR
	Medium Machining	SG, MM	M30, M34 M42, M52 M60, TM TMF TRM	PP, TF M3M	MP, P UN, UP	HS, VP3	MS	HM, MM QM SMR	MF5	3F, 3J 4E	EEX EGE EGU ENG EUP	S, SM	C5, M2 M4, NMS NM4
	Roughing	SR xNMP	TMR	MR	MG	VM	GH, HZ	MR, PR QR, SM SMR	56 M5, MR7 R6, R8	4T	EHG EHP EME EMU ENP	TH	NRS NR4, R3
K	Finishing	KR (flat)		GN, (flat)	FN, FX	VM	Flat	KF	MF3, M4			CF	FP5
	Medium Machining	VM	M50	GN, NR (flat)	UN	B25 VK, GR	Flat	KM, QM	M4		EGZ EUX	CM, 33	NM5 NM6 RP5
	Roughing	KR (flat)	TMR	GN, NR (flat)	MG, RN Flat	Flat	Flat	KR (flat)	M5	4T, 4U	EME EMU ENZ	CH Flat	Flat, R3
N	Finishing	xNGP		NF	FN	HA							NFT
	Medium Machining	xNGP		PP, 12	MP	HA				3F	EUP	P	
S	Finishing	SF xNGP	F32	PF, PP SF, TF	FN, FS LF	VP1	FJ	SF, SGF	MF1	1B	EEF	HMM	NFT NF4
	Medium Machining	SG, VM	M34 M52	PP, TF	MS, P UP	VP2 VP3	MJ	QM, SM SMR	M1	3F, 3J 4E	EEX EEX EUP	SA, SM	NMT NMS, M4 NM4, M2
	Roughing	SR xNMP		MR		VM	GJ	SM SMR	MR3 MR4		EME EMU		NRT NRS NR4



Positive Rake Inserts													
ISO Category	Application	ANC	Ceratizit	Iscar	Kennametal	Korloy	Mitsubishi	Sandvik	Seco	Stellram	Sumitomo	Tungaloy	Walter
P	Finishing	GF xPGR	SF SMF	14, SM	11 FP, LF UF	VF	FV, SV	PF, UF	F1 FF1	15, 61 62	EFK EFM EFP ENK FW, FX FY	01 PF, PS PSF PSS	PF2 PF4 PF5 PM2 PS5
	Medium Machining	FM, GP MG, HF xCMT	SM SMQ	SM	MF, MP	C25 HMP	MV	PM, UM	F2	73, M	ELU ENF ENS EMU ESU	23, 24 PM, PS RS	PF1 PM1 PM4 PM5
M	Finishing	GF	F23 SF SMF	14, SM	11 FP, LF UF	VF	SV	M, UMF UF	FF1	15, 61 62	EFM FW, FX FY	PSF	1L, PF2 PF4 PF5 PM1 PM2 PS5
	Medium Machining	FM, GP xCMT	F43 SM	SM	MF, MP	C25 HMP	MV	MM, SM	F2	66, 73 M	EMU ENS ESU	PS, PSS	PM5
K	Finishing	GF	25P 25Q SF		11, FP UF			KF		61, 62	FW, FX FY	CM	PF1 PF2 PM1 PM2 PS5
	Medium Machining	MG, HF xCMT Flat	25P 25Q 27, 29 SM		MF, MP	C25 HMP	Flat	KM			EMU ENS	CM Flat	PM4 PM5
N	Finishing	HP, HF	23P 25P 25Q	AS	HP, LF	AK		AL	AL	66	FY	AL	1L, PF2
	Medium Machining	HP, HF	25P 25Q 27, 29	AS		AK, AR		AL, UM	AL	64	NAG	AL	PM2
S	Finishing	GF	25P 25Q	14	FP, HP LF	AK	FJ	MF		15, 62	FX, FY		1L, PF2 PF4 PF5 PS5
	Medium Machining	FM, GP HF xCMT	25P 25Q		MF, MP	AK HMP		MM, SM UM		73, M		Flat	PM5