

■ 터닝인서트 칩브레이커 비교표

네거티브 인서트

ISO	분류	ZCCCT	SANDVIK	KORLOY	TaeguTec	WALTER	SECO	MITSUBISHI	SUMITOMO	KENAMETAL	DIJET	HITACHI	TUNGALOY	KYOCERA	VALANTTE
P	초정삭		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
	정삭	DF	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)
	정삭 (연강용)	SF		HF	FC			SY					17	XQ, XS	
	정삭 (와이퍼)	WGF	WL WF	HW	WS	NF	W-MF2	SW	LUW SEW	FW			AFW, ASW FW, SW	WF WP, WQ	
	중삭	DM PM	PM QM XM	HA HC HM	PC FT MT SM MP	MF3 MF5 MV5	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
	중삭 (와이퍼)	WGM	WMX WM		WT	NM	W-M6 W-M3 W-MF5	MW	GUW	MW RW				WE	
	황삭	LR(한면인서트) DR(양면인서트)	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	
	중황삭	HDR HPR	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)

※ 측면 연삭

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M	정삭	EF	MF	HA	SF	NF4,FM5	MF1	SH, LM	SU, EF	FP,LF*		MP, AB BH	SS	MQ GU	F1, F2(2B), F5(5C)
	중정삭	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
	황삭	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	정삭	PM	KF			MK5	MF2, M3 MF5, M4	VA AH		FN		VA, AH	CF	KQ	F2(2B)
	중정삭	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
	황삭	Without chip- breaker	KR KRR	GR, HR GH	KT	RK7		RE			GG	RE		KH, GC	R3, R4, R7(9B)
S	중정삭	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)
	중삭	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
	황삭	SNR	SR SMR		ET	NRS NRT	MR3 MR4	GJ RS	MU	RP				SG SX	

* 측면 연삭

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포지티브인서트

ISO	분류	ZCCCT	SANDVIK	KORLOY	TaeguTec	WALTER	SECO	mitsubishi	SUMITOMO	KENAMETAL	DIJET	HITACHI	TUNGALOY	KYOCERA	VALANTTE
P	정삭	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
	정삭 (와이퍼)		WF			PF2* PF, PF5*	W-F1	SW	LUW SDW	FW				WP	
	중정삭	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
	중정삭 (와이퍼)		WM		WT	PM	W-F2 W-M3	MW		MW					
M	정삭	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
	중정삭	EM	MM	HMP C25		MM4 RM4		MM	MU	MP			PM	HQ GK	PM2 PM4
K	중정삭	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	정삭 중정삭	NGF						FS* , LS* FJ* , FS-P* LS-P*	SL*	LF* HP*				MQ	PM2, 1A 2A
N	범용	LH	AL	TAAK MA	FL	PM2, FN2 MN2	AL*	AZ*	AG	HP*	ALU ACB ASF		AL*	AH*	1L, 1A 2A

* 측면 연삭