

Chipbreaker Comparison Chart

Negative

Classification	Application	Sumitomo Electric	Mitsubishi	Tungaloy	Kyocera	Hitachi	Sandvik	Kennametal	SECO Tools	WALTER	ISCAR	
P Steel	Fine Finishing	FA	FH	TF	GP		QF	FF	FF1		SF	
		FL	FS,FY	NS,ZF	XP,XF	FE				FP5		
	Finishing	LU	SA,SY	SS,NM	XQ,CQ	BE	LC	FN		NF3		
		SU	SH	TS,TSF,11	PP,HQ	CE,B,BH	XF,MF		MF2		NF,TF	
	Wiper Edge	LUW		AFW	WP		WL,WP					
		SEW	SW	ASW	WQ		WF,WMX	FW	W-MF2	NF	WF	
	Finishing to Light	SE,SX	LP	AS,ZM,27	CJ,XS	AB,CT	PF,KF	LF	MF5	MP3,NS6	F3P	
	Medium	GU(UG)	MA,MV	TM,37	HS,PS	AH	XM,QM	P,MG	M3			HT,M4M,GN
		GE,UX	MH,MP	DM,CM	PQ,CS,GS,PT	AE,AY	PM,SM,KM	MN		MP5,NM4,NM6		
	Wiper Edge	GUW	MW				WM	MW	W-M3	NM	HTW,MAMW,WG	
	Rough	MU,ME	RP,GH	TH	HT,GT,PH	RE,AR	MG-PR,XMR,KR	RP	M5,MR7	RP5,NM7,NM9	M3P,NR	
		MX	HAS,MT	CH				RN				
	Heavy	HG	HA,HZ,HX,HBS	THS,TU,57	PX,HX	TE,UE	MM-PR,QR	RM,MR	R4,R5,R6	NR6,NRF	NM,HR	
		HP	HH,HXD	65			HR,SR	RH	R7	NR8		
HU,HW		HV,HDS			H							
HF		HCS	TUS		HX,HE	MR		RR9	NRR	R3P,T3P		
M Stainless Steel	Finishing	SU,EF	LM,SH	SS	MQ,GU	SE,MP	MF	FP,FS,LF	MF2	NF4		
	Light to Medium	EX,EG	GM,MS	SF,SA	SU,MS,MU	PV	23	MS	MF1,M1		TF,VL	
	Medium	GU	MM	SM	HU	DE	MM	MP	MF3,M3	NM4	M3M,PP	
	Rough	HM	ES,1M,2M	S	ST						NR4	
EM,MU		RM,GH	SH	TK		MR		M5,MR3		MR,MH		
K Cast Iron	Light	UZ	LK,MA,MK,SW	CM,CF	Standard	V,VA	KF	UN	M5	NM5	GN	
	Medium	GZ(UX)	GK,RK,GH,MW	Standard,CH,33	ZS,GC	Y,RE	KM,KR	UM	MR7			
N Non-Ferrous Metal	Finishing	AX		P	A3,AH			MS,GP				
	Finishing	EF	LS,FJ				SF			NFT		
S Exotic Alloy	Medium	EG,EX	MS,MJ	HMM,SA			SM			NMT		
	Rough	MU	RS,GJ				SMR			NRT		
H Hardened Steel	Finishing	GH,FV*										
	Light	LV*										
	Carburized Layer Removal	SV*										

() indicates a discontinued item. ★ Sintered body chipbreakers

Positive

Classification	Application	Sumitomo Electric	Mitsubishi	Tungaloy	Kyocera	Hitachi	Sandvik	Kennametal	SECO Tools	WALTER	ISCAR
P Steel	Finishing	FC	FJ,AM	01	CF,GF		UM		GT-F1	PF5	
		FB,LU (FP,FK)	FP,FM,FV,SQ	PSF,PF,23,SS,JSS	GP,XP	JQ,MP	PF,UF,MFKF	11,UF	FF1	PF4	PF
	Wiper Edge	LUW	SW				WF	FW	W-F1	PF	WF
M Stainless Steel	Finishing to Light	SDW					WK				
		SI	SMG	JS	CK						
K Cast Iron	Light	LB,SU (SK,SF)	LP,LM,SV,MQ	PSS,PS,24,TS,33	HQ,XQ,GK	JE	PM,UM,MM	LF	F1	PS5	SM,14
		SC			MF,GQ						
N Non-Ferrous Metal	Light to Medium	MU	MP,MM,MK,MV	PM			PR,UR,MR,KR	MF	F2	PM5	17,19
	Finishing	AG,AW,AY	AZ	AL,PP	AH,A3		AL	HP	AL	PM2	AS,AF
H Hardened Steel	Finishing to Light	LD*,GD*									
	Finishing	FV*									
H Hardened Steel	Light	LV*									

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(Note) The above data was collected from the various published catalogues therefore the information may not be updated.

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Grades