



GRADE COMPARISON CHART – CVD COATED GRADES (ISO CLASS P)

ISO CLASS	INDUSTRY CLASS	ANC GRADE	ISCAR	KENNAMETAL	KORLOY	KYOCERA	MITSUBISHI	NEWCOMER	RTW	TUNGALOY	SANDVIK	SECO CARBOLOY	STELLRAM	SUMITOMO	VALENITE
P05 - P10	C8	AN3015 AN4010	IC8005 IS520N			CA5505 CA5515 CR7015	UE6005	NN70 NN72	RC807 RC8010	T9005	GC4015 GC4005	TX100	NL25 MP37	AC700C	SV305 SV405 SV310 SV510
P10 - P20	C7	AN2015 AN2020 AN2025 AN3015 AN3020 AN3025 AN3030 AN4010	IC805 IC8048 IC9015	KC8050 KC9110	NC310	CA5525 CR7015 CR7025 CR9025	UE6005 UE6010 UE6020	NN55 NN60 NP1000 NP1100 NP4000 NP4100	RC807 RC906 RC8010 RC8025	T9015	GC4005 GC4015 GC4025	TP1000 TX150	NL25 NL30 MP37	AC2000 AC3000	SV310 SV315 SV320 SV325 SV410 SV415 SV510 SV515
P20 - P30	C6	AN2015 AN2020 AN2025 AN2035 AN3015 AN3020 AN3025 AN3030 AN3035 AN4035 AN4040 C5CVAL	IC825 IC9025 IC50M	KC8050 KC9040 KC9015 KU30T	NC320	CA5525 CR9025	UE6025	NN5CP NN6CP NN51 NN52 NN60 NN94	RC706 RC906 RC8025 RC8040	T9025	GC2015 GC4015 GC4025 GC4035	TP2000	MP37 NL25 NL30	AC2000 AC3000	SV230 SV235 SV315 SV325 SV415 SV515 SV525
P30 - P50	C5	AN2015 AN2025 AN2035 AN3025 AN3030 AN3035 AN4030 AN4035 AN4040 AN4045 C5CVAL	IC540 IC656 IC825	KC850 KC9040 KC30T	NC330 NCM325	CA5535	UE6035	NK94 NK620 NN51 NP94	755 RC706 RC906 RC8040	T9035	GC235 GC2025 GC4035	TP3000 TP400	NL30 NL92	AC3000	SV230 SV235 SV325 SV330 SV515 SV525

Comparisons based on published grade information from each indicated brand.



GRADE COMPARISON CHART – CVD COATED GRADES (ISO CLASS M AND K)

ISO CLASS	INDUSTRY CLASS	ANC GRADE	ISCAR	KENNAMETAL	KORLOY	KYOCERA	MITSUBISHI	NEWCOMER	RTW	TUNGALOY	SANDVIK	SECO CARBOLOY	STELLRAM	SUMITOMO	VALENITE
M05 - M25		AN2015 AN2020 AN2025 AN2035 AN3015 AN3020 AN3025 AN3030 AN4040		KC8050 KC9225 KU30T	NC3255	CA6015 CR7015 CR9025	US7020	NA02 NK02 NK4000 NN55 NN60 NP1000 NP4000		T6020		TP30 TP2000 TP3000	NL25 NL30		SV310 SV315 SV325 SV405 SV410 SV515 SV525
M25 - M50		AN2015 AN2020 AN2035 AN3020 AN3025 AN3030 AN4030 AN4035 AN4040 AN4045	IC3028	KC8050 KC9225 KC9240 KC9245 KU30T	NC330		US735	NK94 NK620 NN51 NN52 NP94		T6030	GC2025 GC4035	TP40 TP400	NL30 NL92	AC304 AC3000	SV230 SV235 SV320 SV330 SV415
K05 - K25	C3-C4	AN2015 AN3005 AN3010 AN3015 AN3020 AN3025 AN3030 AN3035	IC428 IC4028 IC9007	KC9110 KC9315 KC9325	NC305K NCM31K	CA4010 CA4115 CA4120 CR7015	UC5005 UC5015 UC5105 UC5115	NN21 NE02 NA02	RC807 RC8010 RC8025	T5010	GC3005 GC3015	TX100 TX150	NL25 NL30	AC300G AC700G	SV305 SV310 SV315 SV510 SV515
K25 - K50	C1-C2	AN2015 AN3020 AN3030 AN3035	IC428 IC4050	KC9110 KC9125 KC9325	NC315K NCM20K	CA4120	UC5115	NN10 NN311	955 RC706 RC906 RC8025	T5020	GC3005 GC3025	TX150	NL25 NL30	AC700G	SV230 SV325 SV525

Comparisons based on published grade information from each indicated brand.



GRADE COMPARISON CHART – CVD COATED GRADES (ISO CLASS N, S AND H)

ISO CLASS	INDUSTRY CLASS	ANC GRADE	ISCAR	KENNAMETAL	KORLOY	KYOCERA	mitsubishi	NEWCOMER	RTW	TUNGALOY	SANDVIK	SECO CARBOLOY	STELLRAM	SUMITOMO	VALENITE
N	C3	AN3010 AN3015			NC305K			NE02 NA02							
S	C2-C3 C6-C7	AN3015 AN3025		KU30T		CA6015 CR7015		NN21 NN22			GC1015 GC1025				
H		AN3010 AN3030 AN3035										TP1000 TX100 TX150			

GRADE COMPARISON CHART – PVD COATED GRADES

ISO CLASS	INDUSTRY CLASS	ANC GRADE	ISCAR	KENNAMETAL	KORLOY	KYOCERA	mitsubishi	NEWCOMER	RTW	TUNGALOY	SANDVIK	SECO CARBOLOY	STELLRAM	SUMITOMO	VALENITE
P		AN2120 AN4105		K725M KC5010 KC5025	PC130 PC230 PC3530	PR630 PR660 PR730 PR830 PR915 PR930	VP15TF UP20M	PV52 PA52 PV60 PV72 PA72	R541	AH330 GH330	GC4125 GC2145 GC1025 GC1020	CP200 CP250 CP500	SFZ		VC935
M		AN2120		K725M KC5010 KC5025	PC9030	PR630 PR660 PR730 PR830 PR915 PR925 PR930	VP15TF UP20M				GC4125 GC2145 GC1025 GC1015 GC1020 GC2035	CP200 CP250 CP500	SFZ		VC901 VC902 VC928 VC929
N	C3	AN6115		K410M KC5010	PC205K PC215K			PV32 PA32							
S	C2-C3 C6-C7	AN6115		K410M KC5010 KC5025 KC5510		PR905 PR915 PR660	VP05RT VP10RT VP15TF	PV22 PA22		AH110 AH120	GC4125 GC2145 GC1015 GC1025	CP200 CP250 CP500		EH510Z EH520Z	

Comparisons based on published grade information from each indicated brand.



GRADE COMPARISON CHART – UNCOATED GRADES															
ISO CLASS	INDUSTRY CLASS	ANC GRADE	ISCAR	KENNAMETAL	KORLOY	KYOCERA	MITSUBISHI	NEWCOMER	RTW	TUNGALOY	SANDVIK	SECO CARBOLOY	STELLRAM	SUMITOMO	VALENITE
P05 - P20	C7 – C8	AN67	IC70	K45 K7H	ST10 ST15		STi10T UTi10T	N70 N72	CY14 CY2 CY9	TX10S TX10D TU10	S10 S20 HM	S1F	T24 T25	ST05E ST10P	VC7 VC76
P20 - P30	C6	AN6		K125M K40 K216	ST20 ST30A MA2	PW30	UTi20T STi20	N60 5602 N6CP	CY11 CY7 CY25	TU20 TX25 UX25	SH SM	S2	T22 TXH TXL	ST20E U10E H10E	VC27
P30 – P50	C5	AN6 AN50	IC50M IC54	K420 K21 K82 K29 K84	MA2 ST30A	PW30	UTi20T STi40T STi30	N51 N52 N55 N5CP	CY16 CY55 CY30M	UX30 TX30 TX40	S4 S6 SM30 SMA	S4 S6 S10M S60M	T04 T12 T14 S3X7	ST30E A30N A40 U2	VC5 VC35M VC135 VC56
M		AN50			U10		UTi20T			TU10 UX30 TU40	H13A	890 HX 883	S3X7		VC29 VC101
K05 - K20	C3 – C4	AN23 AN4 AN2 AN28 C2VAL	IC20 IC08 IC4	K313 K68 K11 K8	H01	KW10	HTi10 GTi05 HTi05T	NP32 NP34 N40	CQ3 CQ4 CQ6 CQ23	F TH03 KS0SF	H10 H1P	H15 890 895	HF HA HU6	H3 EH10 EH510	VC3 VC29
K20 – K50	C1 - C2	AN2 AN20 AN28 C2VAL	IC2 IC28	K1 K9 K10 K110M K6 K8735	H05 H10 G10		GTi10 GTi20 TF15 HTi20T RT9010	N21 N22 N25 N10 N311 N406	CQ2 CQ10 CQ22 CQ24 CQ28	M TH10 KS20 G2 G3	H10A H13A R1P R4	HX H20 H25 H30 883	H21 HAR HTA H22 K20	A1 G10E EH20 EH520	VC28 VC2 VC121 VC111 VC101
N	C3	AN2 AN20 AN23 AN28 C2VAL		K313 K68	H01	KW10	HTi10 GTi05	NP32 NP34	CQ3 CQ4	F TH03	H10 H13A	H15 890 895	HA HU6	H1 H2	VC29
S	C2-C3 C6-C7	AN2 AN20 AN23 C2VAL		K313 K68		KW10	RT9005 RT9010 TF15	N25 NP32 N70			H10A H10F H13A	890		H1 EH10 EH510	
H		AN4							CQ4		H13A	890 HX			

Comparisons based on published grade information from each indicated brand.