

OCHMIT[®]

CNC TOOLS



- **QUALITY**

- **SERVICE**

- **INNOVATION**

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Grade Comparision Chart

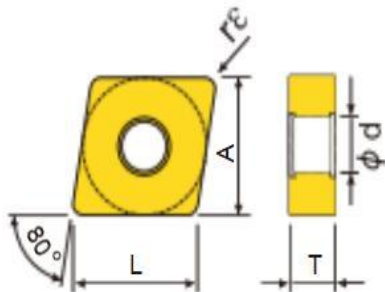
ISO	Symbol	Ochmit	Sandvik	Kennametal	Seco	Iscar	Mitsubishi	Sumitomo	Tungaloy	Taegutec
P	P10	IP210 IC510	GC1010 GC1025	KC715M		IC250 IC808 IC908		ACP200		TT2510 TT7080
	P20	IP610 IP620 IC533 IC530	GC1010 GC1025 GC2030	KC522M KC525M	F25M MP3000	IC250 IC808 IC908 IC928	MP6120 VP15TF	ACP200	AH725 AH120 AH330 GH330	TT2510 TT7080 TT9080
	P30	IP620 IP630 IC533 IC530	GC1010 GC1030 GC2030	KC725M KC530M	F25M MP3000 F30M	IC250 IC808 IC908 IC928	MP6120 VP15TF MP6130 VP30RT	ACP200 ACP300	AH725 AH120 AH130 GH130	TT8080 TT9080
	P40	IP620 IP630 IC530	GC1030	KC735M	F40M T60M		VP30RT	ACP300	AH140	TT8080 TT9080
M	M10	IP210	GC1025 GC1030	KC715M		IC903				
	M20	IP610 IP620	GC1025 GC1030 GC1040 GC2030	KC730 KC522M KC525M	F25M MP3000	IC250 IC300 IC808 IC928	VP15TF MP7130 MP7030 VP20RT	ACP200	AH725 AH120 AH330 GH330	TT9080
	M30	IP620 IP630	GC1040 GC2030	KC725M KC735M	F30M F40M MP3000	IC250 IC300 IC808 IC928	VP15TF MP7130 MP7030 VP20RT	ACP200 ACP300	AH120 AH725 GH130 GH340	TT8080 TT9080
	M40	IP630 IP730			F40M		MP7140 VP30RT	ACP300	AH140	TT8080 TT9080
K	K10	IK633	GC1010	KC510M		IC350 IC810 IC900 IC910 IC950	MP8010		AH110 GH110 AH330	TT6080 TT7080
	K20	IK633 IK630	GC1010 GC1020	KC520M KC525M	MK2000	IC350 IC830 IC928	VP15TF VP20RT	ACK300	GH130	TT6080 TT7080
	K30	IK630	GC1020	KC725M KC735M		IC350 IC830 IC928	VP15TF VP20RT	ACK300		
S	S10	IP630	GC1025	KC510M		IC903	MP9120 VP15TF			
	S20	IP630 IP730	GC1025 GC2030	KC522M KC525M		IC300 IC808 IC908 IC328	MP9120 VP15TF MP9130 MP9030			TT9080
	S30	IP630 IP730	GC2030	KC725M	F40M	IC830 IC928				TT8080 TT9080
H	H10	IP630	GC1010 GC1030	KC635M	MH1000 F15M	IC900	VP15TF VP10H			TT2510 TT6080
	H20	IP630 IP730	GC1010 GC1030	KC635M	F15M	IC900 IC808 IC908	VP15TF			TT2510 TT6080
	H30	IP630 IP730		KC530M	MP3000 F30M	IC808 IC908 IC1008				

Recommend Cutting Condition

ISO	Material Group	VDI Group	Relative materials (DIN)	Hardness HB	Cutting speed (m/min.)
P	Non-alloy steel	1 - 5	9 SMn 28, C35, C50, C40E, C45E, 49 CrMo 4	125 - 250	150 - 250
	Low alloy steel	6 - 9	13 CrMo 44, 40NiCrMo22, 58 CrV 4	200 - 350	140 - 200
	High alloy steel	10 - 11	X 40 CrMoV 51, X100 CrMoV 51, S6-5-5	200 - 325	80 - 140
M	Ferritic/martensitic Stainless steel	12 - 13	X6Cr13, X10CrA118, X20CrNi175	200 - 240	130 - 190
	Austenitic Stainless steel	14	X5 CrNi 18 9, X5 CrNiMo 17 13 3, X6 CrNiTi 18 9	180	100 -200
K	Grey cast iron	15 - 16	GG15, GG20, GGG40, GG-35	180 - 260	160 - 200
	Malleable castiron	19 - 20	GTS-35-10, GTS-35, GTS70-02, 20mN5	130 - 230	130 - 180
S	Fe, Ni or Co based	31 - 35	X12 NiCrAlTi 31 20, TiAl5Sn2	200 - 350	30 - 50
	Titanium and Ti-alloy based	36 - 37	TiCu2, TiAl6V4, TiAl6V4ELI	-	35 - 75
H	Hardended steel	38 - 39	C 105 W1,75 CrMoNiW 6 7	55 - 60 HRc	55 - 65
	Chilled cast iron	40	G-X 260 NiCr 4 2, X15 CrNiSi 25 20	400	45 - 55
	Cast iron	41	G-X 300 CrMo 15 3	55 HRc	55 - 65

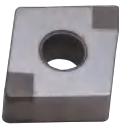
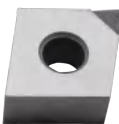
-Above recommend cutting condition can be changed according to the customer's machining condition.

CN Negative 80° Insert



Unit: mm

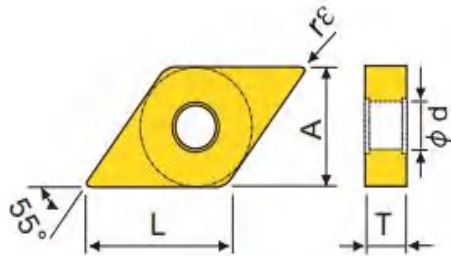
Model	A	T	φd	L	rε
CN..090304	9.525	3.18	3.81	9.2	0.4
CN..090308	9.525	3.18	3.81	8.8	0.8
CN..120402	12.7	4.76	5.16	12.6	0.2
CN..120404	12.7	4.76	5.16	12.4	0.4
CN..120408	12.7	4.76	5.16	12	0.8
CN..160608	15.875	6.35	6.35	15.3	0.8
CN..160612	15.875	6.35	6.35	14.8	1.2
CN..160616	15.875	6.35	6.35	14.4	1.6
CN..190608	19.05	6.35	7.94	18.5	0.8
CN..190612	19.05	6.35	7.94	18.1	1.2
CN..190616	19.05	6.35	7.94	17.1	1.6
CN..250924	25.4	9.52	9.2	25.8	2.4

Picture	Item Code	Cutting Grade					
		P	M	K	N	S	H
	CNMG 120402-CBN			●			
	120404-CBN			●			
	120408-CBN			●			
	120412-CBN			●			
	CNGA 120404-4T-CBN-K			●			
	120408-4T-CBN-K			●			
	120412-4T-CBN-K			●			
	120404-4T-CBN-S	●				●	
	120408-4T-CBN-S	●				●	
	120412-4T-CBN-S	●				●	
	CNMG 120402-PCD				●		
	120404-PCD				●		
	120408-PCD				●		
	CNMG 120404-PM-IC530	●					
	120408-PM-IC530	●					
	160608-PM-IC530	●					
	160612-PM-IC530	●					
	160616-PM-IC530	●					
	190612-PM-IC530	●					
	190616-PM-IC530	●					
	190624-PM-IC530	●					
	250924-PM-IC530	●					

Picture	Item Code	Cutting Grade					
		P	M	K	N	S	H
	CNMG 160608-PR-IC530	•					
	160612-PR-IC530	•					
	160616-PR-IC530	•					
	190612-PR-IC530	•					
	190616-PR-IC530	•					
	190624-PR-IC530	•					
	250924-PR-IC530	•					
	CNMG 120404-43-IC533	•					
	120408-43-IC533	•					
	CNMG 120404-TM-IC533	•					
	120408-TM-IC533	•					
	120412-TM-IC533	•					
	CNMG 120404R-S-IC533	•					
	120408R-S-IC533	•					
	CNMG 120404L-S-IC533	•					
	120408L-S-IC533	•					
	CNMG 120404-MA-IP610	•	•				
	120408-MA-IP610	•	•				
	120412-MA-IP610	•	•				
	CNMG 120404-MA-IP620	•	•				
	120408-MA-IP620	•	•				
	CNMG 120404-MF-IP620	•	•				
	120408-MF-IP620	•	•				
	120412-MF-IP620	•	•				
	CNMG 120404-MM-IP620	•	•				
	120408-MM-IP620	•	•				
	CNMG 120404-MS-IP620	•	•				
	120408-MS-IP620	•	•				

Picture	Item Code	Cutting Grade					
		P	M	K	N	S	H
	CNMG 120404-MSF-IP620 120408-MSF-IP620	•	•				
		•	•				
	CNMG 160608-PM-IP620 160612-PM-IP620 160616-PM-IP620 190608-PM-IP620 190612-PM-IP620 190616-PM-IP620 160608-PM-IP630 160612-PM-IP630 160616-PM-IP630 190608-PM-IP630 190612-PM-IP630 190616-PM-IP630	•	•				
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		•	•			•	•
		•	•			•	•
	CNMG 120404-MA-IP66H 120408-MA-IP66H	•	•	•		•	•
		•	•	•		•	•
	CNMA 120404-IK630 120408-IK630	•		•			
		•		•			
	CNMG 120404-IK633 120408-IK633	•		•			
		•		•			
	CNMG 120402-HA-H01 120404-HA-H01 120408-HA-H01				•		
					•		
					•		
	CNMG 120404-MT-TN60 120408-MT-TN60	•					
		•					

DN Negative 55° Insert

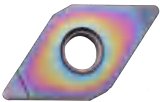


Unit: mm

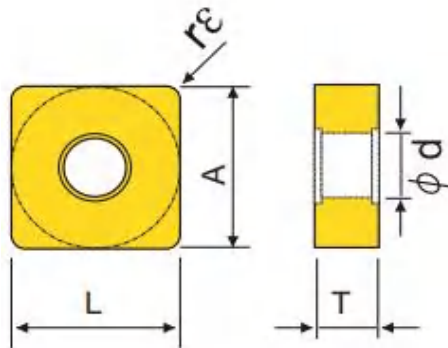
Model	A	T	ϕd	L	rε
DN..110404	9.525	4.76	3.81	11.2	0.4
DN..110408	9.525	4.76	3.81	10.8	0.8
DN..150402	12.70	4.76	5.16	15.3	0.2
DN..150404	12.70	4.76	5.16	15.1	0.4
DN..150408	12.70	4.76	5.16	14.7	0.8
DN..150604	12.70	6.35	5.16	15.1	0.4
DN..150608	12.70	6.35	5.16	14.7	0.8
DN..150612	12.70	6.35	5.16	14.4	1.2
DN..190608	15.90	6.35	7.94	18.5	0.8
DN..190612	15.90	6.35	7.94	18.1	1.2
DN..190616	15.90	6.35	7.94	17.7	1.6

Picture	Item Code	Cutting Grade					
		P	M	K	N	S	H
	DNMG 150404-CBN			●			
	150408-CBN			●			
	150604-CBN			●			
	150608-CBN			●			
	DNGA 150404-4T-CBN-K			●			
	150408-4T-CBN-K			●			
	150412-4T-CBN-K			●			
	150404-4T-CBN-S					●	
	150408-4T-CBN-S					●	
	150412-4T-CBN-S					●	
	DNMG 150404-PCD				●		
	150408-PCD				●		
	150604-PCD				●		
	150608-PCD				●		
	DNMG 150404-PM-IC510	●					
	150408-PM-IC510	●					
	150604-PM-IC510	●					
	150608-PM-IC510	●					
	DNMG 110404-PM-IC530	●					
	110408-PM-IC530	●					
	110412-PM-IC530	●					
	150404-PM-IC530	●					
	150408-PM-IC530	●					
	150604-PM-IC530	●					
	150608-PM-IC530	●					

Picture	Item Code	Cutting Grade					
		P	M	K	N	S	H
	DNMG 150404-TM-IC530	•					
	150408-TM-IC530	•					
	150604-TM-IC530	•					
	150608-TM-IC530	•					
	DNMG 150404R-S-IC530	•					
	150408R-S-IC530	•					
	150608R-S-IC530						
	150608R-S-IC530						
	DNMG 150404-TM-IC533	•					
	150408-TM-IC533	•					
	150412-TM-IC533	•					
	150608-TM-IC533	•					
	DNMG 150404-43-IC533	•					
	150408-43-IC533	•					
	150604-43-IC533	•					
	150608-43-IC533	•					
	DNMG 110404-MF-IP620	•	•				
	110408-MF-IP620	•	•				
	150404-MF-IP620	•	•				
	150408-MF-IP620	•	•				
	DNMG 110404-MM-IP620	•	•				
	110408-MM-IP620	•	•				
	150404-MM-IP620	•	•				
	150408-MM-IP620	•	•				
	150604-MM-IP620	•	•				
	150608-MM-IP620	•	•				
	150612-MM-IP620	•	•				
	DNMG 110404-MM-IP630	•	•			•	•
	110408-MM-IP630	•	•			•	•
	150404-MM-IP630	•	•			•	•
	150408-MM-IP630	•	•			•	•
	150408-MM-IP630	•	•			•	•
	150608-MM-IP630	•	•			•	•
	DNMG 110404-MS-IP620	•	•				
	110408-MS-IP620	•	•				
	150404-MS-IP620	•	•				
	150408-MS-IP620	•	•				
	150604-MS-IP620	•	•				
	150608-MS-IP620	•	•				

Picture	Item Code	Cutting Grade					
		P	M	K	N	S	H
	DNMG 150604N-GH-IP69H	•	•	•		•	•
	150608N-GH-IP69H	•	•	•		•	•
	150408N-GH-IP69H	•	•	•		•	•
	DNMG 150404-HA-H01				•		
	150408-HA-H01				•		
	150604-HA-H01				•		
	150608-HA-H01				•		
	DNMG 150404-HQ-TN60	•					
	150408-HQ-TN60	•					
	DNMG 150404R-VF-TN60	•					
	150408R-VF-TN60	•					
	150604R-VF-TN60	•					

SN Negative Square Insert



Unit: mm

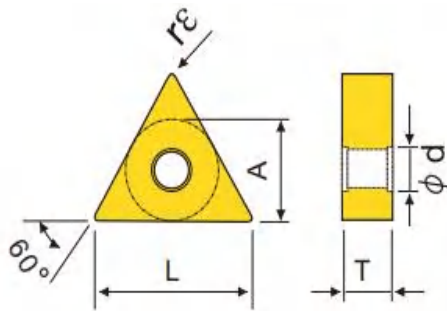
Model	A	T	Φd	L	r _e
SN..090304	9.525	3.18	3.81	9.1	0.4
SN..090308	9.525	3.18	3.81	8.7	0.8
SN..120402	12.70	4.76	5.16	12.7	0.2
SN..120404	12.70	4.76	5.16	12.3	0.4
SN..120408	12.70	4.76	5.16	11.9	0.8
SN..150608	12.70	6.35	6.35	15	0.8
SN..150612	12.70	6.35	6.35	14.6	1.2
SN..190608	15.90	6.35	7.94	18.2	0.8
SN..190612	15.90	6.35	7.94	17.8	1.2
SN..190616	15.90	6.35	7.94	17.4	1.6

Picture	Item Code	Cutting Grade					
		P	M	K	N	S	H
	SNMG 120404-CBN 120408-CBN			●			
				●			
	SNMG 120402-PCD 120404-PCD 120408-PCD				●		
					●		
					●		
	SNMG 120404-IC530 120408-IC530 150608-IC530 150612-IC530 150616-IC530 190608-IC530 190612-IC530 190616-IC530	●					
		●					
		●					
		●					
		●					
		●					
		●					
		●					
	SNMG 120404-MA-IC530 120408-MA-IC530 120412-MA-IC530	●					
		●					
		●					
	SNMG 150608-PR-IC530 150612-PR-IC530 150616-PR-IC530 190608-PR-IC530 190612-PR-IC530 190616-PR-IC530	●					
		●					
		●					
		●					
		●					
		●					

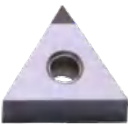
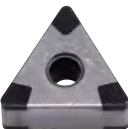
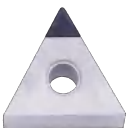
Picture	Item Code	Cutting Grade					
		P	M	K	N	S	H
	SNMG 120404-TM-IC533	•					
	120408-TM-IC533	•					
	120412-TM-IC533	•					
	SNMG 120404R-S-IC533	•					
	120408R-S-IC533	•					
	SNMG 120404L-S-IC533	•					
	120408L-S-IC533	•					
	SNMG 120404-MA-IP620	•	•				
	120408-MA-IP620	•	•				
	120412-MA-IP620	•	•				
	SNMG 120404-MA-IP630	•	•				
	120408-MA-IP630	•	•				
	120412-MA-IP630	•	•				
	SNMG 120404-MM-IP620	•	•				
	120408-MM-IP620	•	•				
	150608-MM-IP620	•	•				
	150612-MM-IP620	•	•				
	150616-MM-IP620	•	•				
	SNMG 120404-MS-IP620	•	•				
	120408-MS-IP620	•	•				
	120412-MS-IP620	•	•				
	120404-MS-IP630	•	•				
	120408-MS-IP630	•	•				
	120412-MS-IP630	•	•				
	SNMG 150608-PR-IP620	•	•				
	150612-PR-IP620	•	•				
	150616-PR-IP620	•	•				
	190608-PR-IP620	•	•				
	190612-PR-IP620	•	•				
	190616-PR-IP620	•	•				

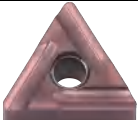
Picture	Item Code	Cutting Grade					
		P	M	K	N	S	H
	SNMG 120404-MA-IP66H	•	•	•		•	•
	120408-MA-IP66H	•	•	•		•	•
	120412-MA-IP66H	•	•	•		•	•
	SNMA 120404-IK630			•			
	120408-IK630			•			
	120412-IK630			•			
	SNMG 120404-IK633			•			
	120408-IK633			•			
	SNMG 120402-HA-H01				•		
	120404-HA-H01				•		
	120408-HA-H01				•		
	SNMG 120404-MT-TN60	•					
	120408-MT-TN60	•					

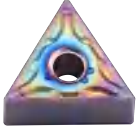
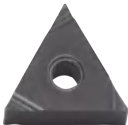
TN Negative 60° Insert



Unit: mm					
Model	A	T	Φd	L	rε
TN..110308	6.35	3.18	2.4	9.0	0.8
TN..160404	9.525	4.76	3.81	15.5	0.4
TN..160408	9.525	4.76	3.81	14.5	0.8
TN..160412	9.525	4.76	3.81	13.5	1.2
TN..160416	9.525	4.76	3.81	12.5	1.6
TN..220408	12.70	4.76	5.16	20.0	0.8
TN..220412	12.70	4.76	5.16	19.0	1.2
TN..270608	15.875	6.35	6.35	25.5	0.8
TN..270612	15.875	6.35	6.35	24.5	1.2
TN..270616	15.875	6.35	6.35	23.5	1.6

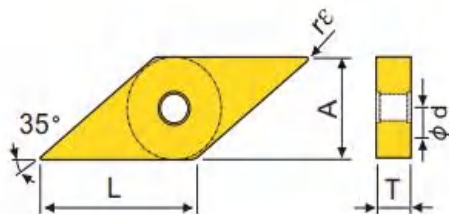
Picture	Item Code	Cutting Grade					
		P	M	K	N	S	H
	TNMG 160402-CBN 160404-CBN 160408-CBN			●			
	TNGA 160404-6T-CBN-K 160408-6T-CBN-K 160412-6T-CBN-K 160404-6T-CBN-S 160408-6T-CBN-S 160412-6T-CBN-S			●			
	TNMG 160401-PCD 160402-PCD 160404-PCD 160408-PCD				●		
	TNMG 160404-CQ-IC510 160408-CQ-IC510	●					
	TNMG 160404-HQ-IC510 160408-HQ-IC510	●					
	TNMG 160408-PM-IC530 220404-PM-IC530 220408-PM-IC530	●					

Picture	Item Code	Cutting Grade					
		P	M	K	N	S	H
	TNMG 160404-TM-IC533 160408-TM-IC533 160412-TM-IC533	•					
		•					
		•					
	TNMG 160404R-S-IC533 160408R-S-IC533	•					
		•					
	TNMG 160404-MA-IP610 160408-MA-IP610	•	•				
		•	•				
	TNMG 160404-MQ-IP610 160408-MQ-IP610	•	•				
		•	•				
	TNMG 160404-MS-IP610 160408-MS-IP610	•	•				
		•	•				
	TNMG 160402-MA-IP630 160404-MA-IP630 160408-MA-IP630	•	•	•		•	•
		•	•	•		•	•
		•	•	•		•	•
	TNMG 160404R-S-IP630 160408R-S-IP630	•	•	•		•	•
		•	•	•		•	•
	TNMG 160404-MM-IP620 160408-MM-IP620 220404-MM-IP620 220408-MM-IP620	•	•				
		•	•				
		•	•				
		•	•				
	TNMG 160404R-S-IP620 160408R-S-IP620	•	•				
		•	•				
	TNMG 160404L-S-IP620 160408L-S-IP620	•	•				
		•	•				

Picture	Item Code	Cutting Grade					
		P	M	K	N	S	H
	TNMG 160404-MA-IP66H 160408-MA-IP66H	•	•	•		•	•
		•	•	•		•	•
	TNGG 160402R-P-IP730 160404R-P-IP730	•	•	•		•	•
		•	•	•		•	•
	TNGG 160402L-P-IP730 160404L-P-IP730	•	•	•		•	•
		•	•	•		•	•
	TNGG 160401R-S-IP730 160402R-S-IP730 160404R-S-IP730	•	•	•		•	•
		•	•	•		•	•
		•	•	•		•	•
	TNGG 160401L-S-IP730 160402L-S-IP730 160404L-S-IP730	•	•	•		•	•
		•	•	•		•	•
		•	•	•		•	•
	TNMA 160404-IK630 160408-IK630 160412-IK630			•			
				•			
				•			
	TNMG 160404-IK633 160408-IK633 160412-IK633			•			
				•			
				•			
	TNMG 160402-HA-H01 160404-HA-H01 160408-HA-H01				•		
					•		
					•		
	TNGG 160401R-S-H01 160402R-S-H01 160404R-S-H01				•		
					•		
					•		
	TNGG 160401L-S-H01 160402L-S-H01 160404L-S-H01				•		
					•		
					•		

Picture	Item Code	Cutting Grade					
		P	M	K	N	S	H
	TNMG 160404-HQ-TN60 160408-HQ-TN60	• •					
	TNMG 160404R-FS-TN60 160408R-FS-TN60	• •					
	TNMG 160404L-FS-TN60 160408L-FS-TN60	• •					
	TNMG 160404R-VF-TN60 160408R-VF-TN60	• •					
	TNMG 160404L-VF-TN60 160408L-VF-TN60	• •					
	TNMG 160401R-S-TN90 160402R-S-TN90 160404R-S-TN90	• • •					
	TNMG 160401L-S-TN90 160402L-S-TN90 160404L-S-TN90	• • •					
	TNMG 160402R-P-TN90 160404R-P-TN90	• •					
	TNMG 160402L-P-TN90 160404L-P-TN90	• •					

VN Negative 35° Insert



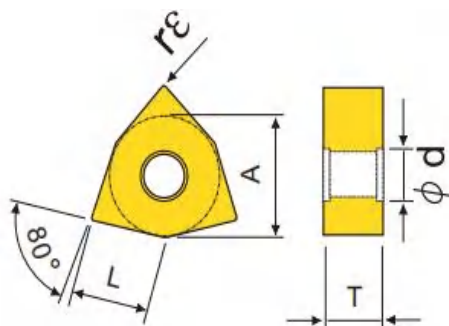
Unit: mm

Model	A	T	Φd	L	rε
VN..160402	9.525	4.76	3.81	16.1	0.2
VN..160404	9.525	4.76	3.81	15.6	0.4
VN..160408	9.525	4.76	3.81	14.6	0.8
VN..160412	9.525	4.76	3.81	13.6	1.2
VN..220404	12.700	4.76	5.16	21.2	0.4
VN..220408	12.70	4.76	5.16	20.0	0.8
VN..220412	12.70	4.76	5.16	19.0	1.2

Picture	Item Code	Cutting Grade					
		P	M	K	N	S	H
	VNMG 160402-CBN			•			
	160404-CBN			•			
	160408-CBN			•			
	VNGA 160404-4T-CBN-K			•			
	160408-4T-CBN-K			•			
	160404-4T-CBN-S					•	•
	160408-4T-CBN-S					•	•
	VNMG 160402-PCD				•		
	160404-PCD				•		
	160408-PCD				•		
	VNMG 160404-TM-IC510	•					
	160408-TM-IC510	•					
	VNMG 160404-TM-IC530	•					
	160408-TM-IC530	•					
	VNMG 160404-TM-IC533	•					
	160408-TM-IC533	•					
	160412-TM-IC533	•					

Picture	Item Code	Cutting Grade					
		P	M	K	N	S	H
	VNMG 160404-MA-IP610 160408-MA-IP610	•	•				
		•	•				
	VNMG 160404-MA-IP630 160408-MA-IP630	•	•	•		•	•
		•	•	•		•	•
	VNMG 160404-MM-IP620 160408-MM-IP620	•	•				
		•	•				
	VNMG 160404-MS-IP620 160408-MS-IP620	•	•				
		•	•				
	VNMG 160402R-H-IP620 160404R-H-IP620	•	•				
		•	•				
	VNMG 160402-99-IP66H 160404-99-IP66H 160408-99-IP66H	•	•	•		•	•
		•	•	•		•	•
		•	•	•		•	•
	VNMG 160404-IK630 160408-IK630 160412-IK630			•			
				•			
				•			
	VNMG 160402-HA-H01 160404-HA-H01 160408-HA-H01				•		
					•		
					•		
	VNMG 160404-MT-TN60 160408-MT-TN60	•					
		•					

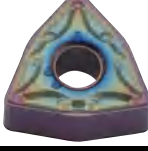
WN Negative 80° Insert

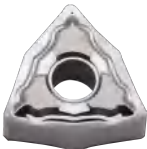
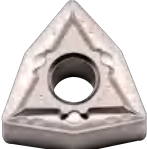


Unit: mm

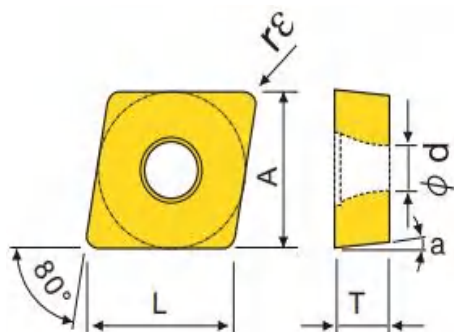
Model	A	T	Φd	L	rε
WN..060404	9.525	4.76	3.81	6.2	0.4
WN..060408	9.525	4.76	3.81	6.1	0.8
WN..060412	9.525	4.76	3.81	6.0	1.2
WN..080402	12.700	4.76	5.16	8.7	0.2
WN..080404	12.700	4.76	5.16	8.4	0.4
WN..080408	12.70	4.76	5.16	8.3	0.8
WN..080412	12.70	4.76	5.16	8.2	1.2

Picture	Item Code	Cutting Grade					
		P	M	K	N	S	H
	WNMG 080402-CBN			●			
	080404-CBN			●			
	080408-CBN			●			
	WNGA 080404-6T-CBN-K			●			
	080408-6T-CBN-K			●			
	080412-6T-CBN-K			●			
	080404-6T-CBN-S					●	
	080408-6T-CBN-S					●	
	080412-6T-CBN-S					●	
	WNMG 080402-PCD				●		
	080404-PCD				●		
	080408-PCD				●		
	WNMG 080404-CQ-IC510	●					
	080408-CQ-IC510	●					
	080412-CQ-IC510	●					
	WNMG 080404-HQ-IC510	●					
	080408-HQ-IC510	●					
	WNMG 080404R-S-IC510	●					
	080408R-S-IC510	●					

Picture	Item Code	Cutting Grade					
		P	M	K	N	S	H
	WNMG 080404L-S-IC510 080408L-S-IC510	● ●					
	WNMG 080404-TM-IC533 080408-TM-IC533 080412-TM-IC533	● ● ●					
	WNMG 080404R-S-IC533 080408R-S-IC533	● ●					
	WNMG 080404L-S-IC533 080408L-S-IC533	● ●					
	WNMG 080404-MA-IP610 080408-MA-IP610 080412-MA-IP610	● ● ●	● ● ●				
	WNMG 080404-MA-IP630 080408-MA-IP630	● ●	● ●	● ●		● ●	● ●
	WNMG 080404-MM-IP620 080408-MM-IP620	● ●	● ●				
	WNMG 080404-MS-IP620 080408-MS-IP620 080412-MS-IP620	● ● ●	● ● ●				
	WNMG 080404-MA-IP66H 080408-MA-IP66H	● ●	● ●	● ●		● ●	● ●
	WNMA 080404-IK630 080408-IK630 080412-IK630 080416-IK630			● ● ● ●			

Picture	Item Code	Cutting Grade					
		P	M	K	N	S	H
	WNMG 080402-HA-H01				•		
	080404-HA-H01				•		
	080408-HA-H01				•		
	WNMG 080404-MT-TN60	•					
	080408-MT-TN60	•					
	080412-MT-TN60	•					
	WNMG 080404-HQ-TN60	•					
	080408-HQ-TN60	•					

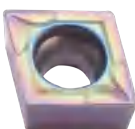
CC Positive 80° Insert

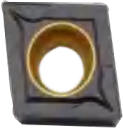


Unit: mm

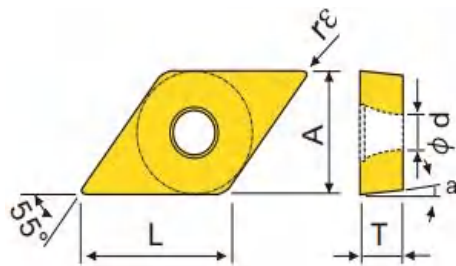
Model	A	T	Φd	L	rε	a
CC..030102	3.5	1.39	1.9	3.3	0.2	7°
CC..030104	3.5	1.39	1.9	3.1	0.4	7°
CC..040102	4.3	1.79	2.3	4.1	0.2	7°
CC..040104	4.3	1.79	2.3	3.9	0.4	7°
CC..060204	6.35	2.38	2.8	6.0	0.4	7°
CC..060208	6.35	2.38	2.8	5.6	0.8	7°
CC..09T302	9.525	3.97	4.4	9.4	0.2	7°
CC..09T304	9.525	3.97	4.4	9.2	0.4	7°
CC..09T308	9.525	3.97	4.4	8.8	0.8	7°
CC..120402	12.7	4.76	5.5	12.6	0.2	7°
CC..120404	12.7	4.76	5.5	12.4	0.4	7°
CC..120408	12.7	4.76	5.5	12.0	0.8	7°

Picture	Item Code	Cutting Grade					
		P	M	K	N	S	H
	CCGT 060202-CBN			●			
	060204-CBN			●			
	060208-CBN			●			
	09T302-CBN			●			
	09T304-CBN			●			
	09T308-CBN			●			
	120402-CBN			●			
	120404-CBN			●			
	120408-CBN			●			
	CCGT 060201-PCD				●		
	060202-PCD				●		
	060204-PCD				●		
	060208-PCD				●		
	09T301-PCD				●		
	09T302-PCD				●		
	09T304-PCD				●		
	09T308-PCD				●		
	120402-PCD				●		
	120404-PCD				●		
	120408-PCD				●		
	120412-PCD				●		
	CCMT 060204-HQ-IC510	●					
	060208-HQ-IC510	●					
	09T304-HQ-IC510	●					
	09T308-HQ-IC510	●					

Picture	Item Code	Cutting Grade					
		P	M	K	N	S	H
	CCMT 060208-TM-IC530	•					
	09T304-TM-IC530	•					
	09T308-TM-IC530	•					
	120408-TM-IC530	•					
	CCMT 060204-IC533	•					
	060208-IC533	•					
	09T302-IC533	•					
	09T304-IC533	•					
	09T308-IC533	•					
	120402-IC533	•					
	120404-IC533	•					
	120408-IC533	•					
	CCMT 060204-IP610	•	•				
	060208-IP610	•	•				
	09T304-IP610	•	•				
	09T308-IP610	•	•				
	120404-IP610	•	•				
	120408-IP610	•	•				
	CCMT 060202-IP630	•	•			•	•
	060204-IP630	•	•			•	•
	09T302-IP630	•	•			•	•
	09T304-IP630	•	•			•	•
	120404-IP630	•	•			•	•
	120408-IP630	•	•			•	•
	CCMT 060202-MSF-IP620	•	•				
	060204-MSF-IP620	•	•				
	09T302-MSF-IP620	•	•				
	09T304-MSF-IP620	•	•				
	09T308-MSF-IP620	•	•				
	CCMT 060204-TM-IP620	•	•				
	060208-TM-IP620	•	•				
	09T304-TM-IP620	•	•				
	09T308-TM-IP620	•	•				
	120404-TM-IP620	•	•				
	120408-TM-IP620	•	•				
	CCMT 060204-IP66H	•	•			•	•
	060208-IP66H	•	•			•	•
	09T304-IP66H	•	•			•	•
	09T308-IP66H	•	•			•	•
	120404-IP66H	•	•			•	•
	120408-IP66H	•	•			•	•

Picture	Item Code	Cutting Grade					
		P	M	K	N	S	H
	CCMT 060204-IK633			•			
	060208-IK633			•			
	09T302-IK633			•			
	09T304-IK633			•			
	09T308-IK633			•			
	120404-IK633			•			
	120408-IK633			•			
	CCGT 060202-AL-H01				•		
	060204-AL-H01				•		
	060208-AL-H01				•		
	09T302-AL-H01				•		
	09T304-AL-H01				•		
	09T308-AL-H01				•		
	120402-AL-H01				•		
	120404-AL-H01				•		
	CCMT 060202-HQ-TN60	•					
	060204-HQ-TN60	•					
	09T302-HQ-TN60	•					
	09T304-HQ-TN60	•					
	09T308-HQ-TN60	•					

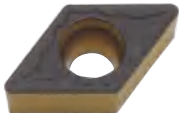
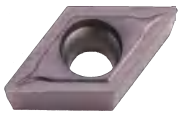
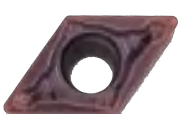
DC Positive 55° Insert



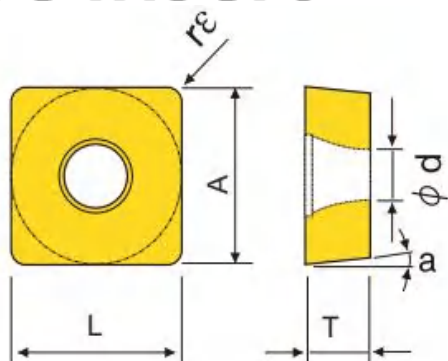
Unit: mm

Model	A	T	φd	L	rε	a
DC..070202	9.525	3.97	4.4	9.4	0.2	7°
DC..070204	9.525	3.97	4.4	9.2	0.4	7°
DC..070208	9.525	3.97	4.4	8.8	0.8	7°
DC..11T302	12.7	4.76	5.5	12.6	0.2	7°
DC..11T304	12.7	4.76	5.5	12.4	0.4	7°
DC..11T308	12.7	4.76	5.5	12.0	0.8	7°

Picture	Item Code	Cutting Grade					
		P	M	K	N	S	H
	DCGT 070201-CBN			●			
	070202-CBN			●			
	070204-CBN			●			
	070208-CBN			●			
	11T301-CBN			●			
	11T302-CBN			●			
	11T304-CBN			●			
	11T308-CBN			●			
	DCGT 070201-PCD				●		
	070202-PCD				●		
	070204-PCD				●		
	070208-PCD				●		
	11T301-PCD				●		
	11T302-PCD				●		
	11T304-PCD				●		
	11T308-PCD				●		
	DCMT 070204-TM-IC510	●					
	070208-TM-IC510	●					
	11T304-TM-IC510						
	11T308-TM-IC510						
	DCMT 070204-IC530	●					
	070208-IC530	●					
	11T304-IC530						
	11T308-IC530						

Picture	Item Code	Cutting Grade					
		P	M	K	N	S	H
	DCMT 070204-GM-IC533	•					
	070208-GM-IC533	•					
	11T304-GM-IC533						
	11T308-GM-IC533						
	DCMT 070204-IP610	•	•				
	070208-IP610	•	•				
	11T304-IP610	•	•				
	11T308-IP610	•	•				
	DCMT 070204-IP630	•	•	•		•	•
	070208-IP630	•	•	•		•	•
	11T308-IP630	•	•	•		•	•
	11T308-IP630	•	•	•		•	•
	DCMT 070202-MV-IP620	•	•				
	070204-MV-IP620						
	11T302-MV-IP620						
	11T304-MV-IP620	•	•				
	DCMT 070204-TM-IP620	•	•				
	070208-TM-IP620	•	•				
	11T304-TM-IP620	•	•				
	11T308-TM-IP620	•	•				
	DCMT 070204-IP66H	•	•	•		•	•
	070208-IP66H						
	11T304-IP66H						
	11T308-IP66H						
	DCMT 070204-IK630			•			
	070208-IK630			•			
	11T304-IK630			•			
	11T308-IK630			•			
	DCGT 070202-AL-H01				•		
	070204-AL-H01				•		
	070208-AL-H01				•		
	11T301-AL-H01				•		
	11T302-AL-H01				•		
	11T304-AL-H01				•		
	11T308-AL-H01				•		
	DCMT 070202-HQ-TN60	•					
	070204-HQ-TN60	•					
	070208-HQ-TN60	•					
	11T302-HQ-TN60	•					
	11T304-HQ-TN60	•					
	11T308-HQ-TN60	•					

SC Positive Square Insert



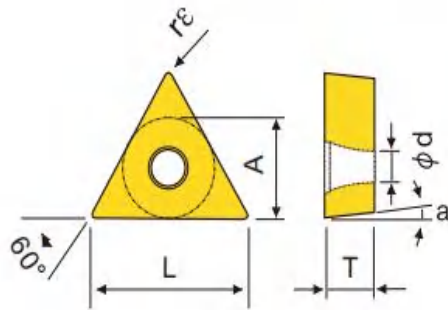
Unit: mm

Model	A	T	Φd	L	rε	a
SC..09T302	9.525	3.97	4.4	9.5	0.2	7°
SC..09T304	9.525	3.97	4.4	9.1	0.4	7°
SC..09T308	9.525	3.97	4.4	8.7	0.8	7°
SC..120402	12.7	4.76	5.5	12.7	0.2	7°
SC..120404	12.7	4.76	5.5	12.3	0.4	7°
SC..120408	12.7	4.76	5.5	11.9	0.8	7°

Picture	Item Code	Cutting Grade					
		P	M	K	N	S	H
	SCGT 09T302-CBN			●			
	09T304-CBN			●			
	09T308-CBN			●			
	120404-CBN			●			
	120408-CBN			●			
	SCGT 09T302-PCD				●		
	09T304-PCD				●		
	09T308-PCD				●		
	120404-PCD				●		
	120408-PCD				●		
	SCMT 09T304-GM-IC533	●					
	09T308-GM-IC533	●					
	120404-GM-IC533	●					
	120408-GM-IC533	●					
	SCMT 09T304-TM-IP620	●	●				
	09T308-TM-IP620	●	●				
	120404-TM-IP620	●	●				
	120408-TM-IP620	●	●				
	SCMT 09T304-TM-IP630	●	●	●		●	●
	09T308-TM-IP630	●	●	●		●	●
	120404-TM-IP630	●	●	●		●	●
	120408-TM-IP630	●	●	●		●	●
	SCMT 09T304-IK630			●			
	09T308-IK630			●			
	120404-IK630			●			
	120408-IK630			●			

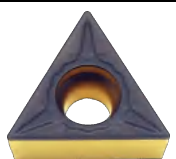
Picture	Item Code	Cutting Grade					
		P	M	K	N	S	H
	SCGT 09T302-AL-H01				•		
	09T304-AL-H01				•		
	09T308-AL-H01				•		
	120402-AL-H01				•		
	120404-AL-H01				•		
	120408-AL-H01				•		

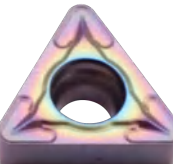
TC Positive 60° Insert



Unit: mm

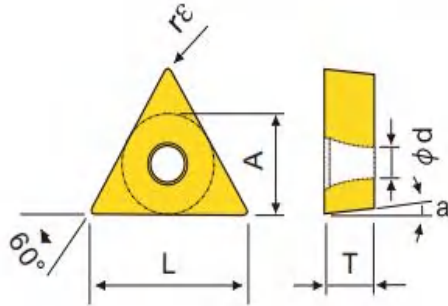
Model	A	T	Φd	L	rε	a
TC..090202	5.56	2.38	2.5	0.1	0.2	7°
TC..090204	5.56	2.38	2.5	9.6	0.4	7°
TC..090208	5.56	2.38	2.5	7.6	0.8	7°
TC..110202	6.35	2.38	2.8	10.5	0.2	7°
TC..110204	6.35	2.38	2.8	10.0	0.4	7°
TC..110208	6.35	2.38	2.8	9	0.8	7°
TC..16T304	9.525	3.97	4.4	15.5	0.4	7°
TC..16T308	9.525	3.97	4.4	14.5	0.8	7°

Picture	Item Code	Cutting Grade					
		P	M	K	N	S	H
	TCGT 090202-CBN			●			
	090204-CBN			●			
	110202-CBN			●			
	110204-CBN			●			
	110208-CBN			●			
	16T302-CBN			●			
	16T304-CBN			●			
	16T308-CBN			●			
	TCGT 090202-PCD				●		
	090204-PCD				●		
	110201-PCD				●		
	110202-PCD				●		
	110204-PCD				●		
	110208-PCD				●		
	16T302-PCD				●		
	16T304-PCD				●		
	16T308-PCD				●		
	TCMT 110204-GM-IC533	●					
	110208-GM-IC533	●					
	16T304-GM-IC533	●					
	16T308-GM-IC533	●					
	TCMT 110204-IP610	●					
	110208-IP610	●					
	16T304-IP610	●					
	16T308-IP610	●					

Picture	Item Code	Cutting Grade					
		P	M	K	N	S	H
	TCMT 090204-TM-IP630	•					
	090208-TM-IP630	•					
	110204-TM-IP630	•					
	110208-TM-IP630	•					
	16T304-TM-IP630	•					
	16T308-TM-IP630	•					
	TCMT 090204-IP630	•					
	090208-IP630	•					
	110204-IP630	•					
	110208-IP630	•					
	16T304-IP630	•					
	16T308-IP630	•					
	TCMT 090204-TM-IP620	•					
	090208-TM-IP620	•					
	110204-TM-IP620	•					
	110208-TM-IP620	•					
	16T304-TM-IP620	•					
	16T308-TM-IP620	•					
	TCMT 090204-IP66H	•					
	090208-IP66H	•					
	110204-IP66H	•					
	110208-IP66H	•					
	16T304-IP66H	•					
	16T308-IP66H	•					
	TCMT 110204-IK630			•			
	110208-IK630			•			
	16T304-IK630			•			
	16T308-IK630			•			
	TCGT 090202-AL-H01				•		
	090204-AL-H01				•		
	110202-AL-H01				•		
	110204-AL-H01				•		
	110208-AL-H01				•		
	16T302-AL-H01				•		
	16T304-AL-H01				•		
	16T308-AL-H01				•		

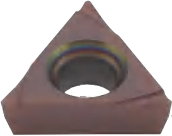
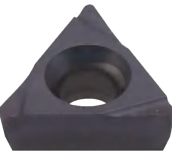
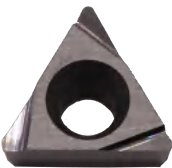
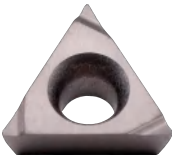
Picture	Item Code	Cutting Grade					
		P	M	K	N	S	H
	TCMT 090202-HQ-TN60	•					
	090204-HQ-TN60	•					
	110202-HQ-TN60	•					
	110204-HQ-TN60	•					
	110208-HQ-TN60	•					
	TCMT 110204-MT-TN60	•					
	110208-MT-TN60	•					
	16T304-MT-TN60	•					
	16T308-MT-TN60	•					

TB Positive 60° Insert

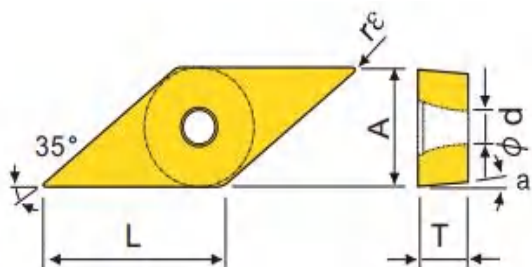


Unit: mm						
Model	A	T	Φd	L	rε	a
TB..060102	3.97	1.59	2.16	6.4	0.2	5°
TB..060104	3.97	1.59	2.16	5.8	0.4	5°
TP..080204	4.76	2.38	2.3	7.7	0.4	11°
TP..080208	4.76	2.38	2.3	7.2	0.8	11°
TP..090204	5.56	2.38	3.0	8.6	0.4	11°
TP..090208	5.56	2.38	3.0	7.6	0.8	11°
TP..110304	6.35	3.18	3.4	10.5	0.4	11°
TP..110308	6.35	3.18	3.4	10.0	0.8	11°

Picture	Item Code	Cutting Grade					
		P	M	K	N	S	H
	TBGT 060102-CBN			●			
	060104-CBN			●			
	TPGT 080202-CBN			●			
	080204-CBN			●			
	090202-CBN			●			
	090204-CBN			●			
	110202-CBN			●			
	110204-CBN			●			
	110302-CBN			●			
	110304-CBN			●			
	110308-CBN			●			
	TBGT 060102-PCD				●		
	060104-PCD				●		
	TPGT 080202-PCD				●		
	080204-PCD				●		
	090202-PCD				●		
	090204-PCD				●		
	090208-PCD				●		
	110301-PCD				●		
	110302-PCD				●		
	110304-PCD				●		
	TBMT 060102-DP-IP620	●	●				
	060104-DP-IP620	●	●				

Picture	Item Code	Cutting Grade					
		P	M	K	N	S	H
	TPGH 080201L-IP620	•	•				
	080202L-IP620	•	•				
	080204L-IP620	•	•				
	090201L-IP620	•	•				
	090202L-IP620	•	•				
	090204L-IP620	•	•				
	110302L-IP620	•	•				
	110304L-IP620	•	•				
	TBGT 060101L-IP730	•	•	•		•	•
	060102L-IP730	•	•	•		•	•
	060104L-IP730	•	•	•		•	•
	TPGH 080201L-IP730	•	•	•		•	•
	080202L-IP730	•	•	•		•	•
	080204L-IP730	•	•	•		•	•
	090201L-IP730	•	•	•		•	•
	090202L-IP730	•	•	•		•	•
	090204L-IP730	•	•	•		•	•
	110301L-IP730	•	•	•		•	•
	110302L-IP730	•	•	•		•	•
	110304L-IP730	•	•	•		•	•
	TBGT 060102L-H01				•		
	060104L-H01				•		
	080202L-H01				•		
	080204L-H01				•		
	090202L-H01				•		
	090204L-H01				•		
	110302L-H01				•		
	110304L-H01				•		
	TBGT 060102L-TN90	•					
	060104L-TN90	•					
	TPGH 080201L-TN90	•					
	080202L-TN90	•					
	080204L-TN90	•					
	090201L-TN90	•					
	090202L-TN90	•					
	090204L-TN90	•					
	110301L-TN90	•					
	110302L-TN90	•					
	110304L-TN90	•					
	110308L-TN90	•					

VB Positive 35° Insert



Unit: mm

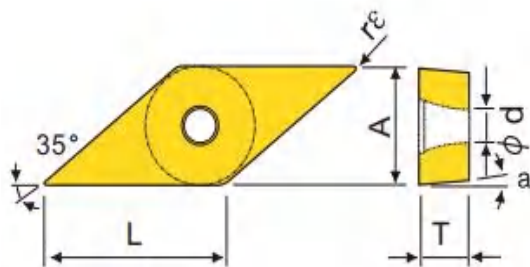
Model	A	T	Φd	L	rε	a
VB..110302	6.35	3.18	2.8	11	0.2	5°
VB..110304	6.35	3.18	2.8	10	0.4	5°
VB..110308	6.35	3.18	2.8	9.0	0.8	5°
VB..160402	9.525	4.76	4.4	16.1	0.2	5°
VB..160404	9.525	4.76	4.4	15.6	0.4	5°
VB..160408	9.525	4.76	4.4	14.6	0.8	5°

Picture	Item Code	Cutting Grade					
		P	M	K	N	S	H
	VBGT 110301-CBN			●			
	110302-CBN			●			
	110304-CBN			●			
	160401-CBN			●			
	160402-CBN			●			
	160404-CBN			●			
	160408-CBN			●			
	VBGT 110301-PCD				●		
	110302-PCD				●		
	110304-PCD				●		
	110308-PCD				●		
	160402-PCD				●		
	160404-PCD				●		
	160408-PCD				●		
	VBMT 160404-TM-IC533	●					
	160408-TM-IC533	●					
	VBMT 160404-GM-IC533	●					
	160408-GM-IC533	●					
	VBMT 110304-MV-IP620	●	●				
	110308-MV-IP620	●	●				
	160404-MV-IP620	●	●				
	160408-MV-IP620	●	●				

Picture	Item Code	Cutting Grade					
		P	M	K	N	S	H
	VBMT 110304-TM-IP620	•	•				
	160404-TM-IP620	•	•				
	160408-TM-IP620	•	•				
	VBMT 110302-MV-IP630	•	•	•		•	•
	110304-MV-IP630	•	•	•		•	•
	VBGT 110301-1L-IP730	•	•	•		•	•
	110302-1L-IP730	•	•	•		•	•
	110304-1L-IP730	•	•	•		•	•
	160402-1L-IP730	•	•	•		•	•
	160404-1L-IP730	•	•	•		•	•
	VBGT 110301L-H-IP730	•	•	•		•	•
	110302L-H-IP730	•	•	•		•	•
	110304L-H-IP730	•	•	•		•	•
	160402L-H-IP730	•	•	•		•	•
	160404L-H-IP730	•	•	•		•	•
	VBGT 110301R-H-IP730	•	•	•		•	•
	110302R-H-IP730	•	•	•		•	•
	110304R-H-IP730	•	•	•		•	•
	160402R-H-IP730	•	•	•		•	•
	160404R-H-IP730	•	•	•		•	•
	VBGT 110301L-Y-IP730	•	•	•		•	•
	110302L-Y-IP730	•	•	•		•	•
	110304L-Y-IP730	•	•	•		•	•
	VBGT 110301R-Y-IP730	•	•	•		•	•
	110302R-Y-IP730	•	•	•		•	•
	110304R-Y-IP730	•	•	•		•	•
	VBGT 110301L-F-IP730	•	•	•		•	•
	110302L-F-IP730	•	•	•		•	•
	110304L-F-IP730	•	•	•		•	•
	VBGT 110301R-F-IP730	•	•	•		•	•
	110302R-F-IP730	•	•	•		•	•
	110304R-F-IP730	•	•	•		•	•

Picture	Item Code	Cutting Grade					
		P	M	K	N	S	H
	VBGT 110301-AL-H01				•		
	110302-AL-H01				•		
	110304-AL-H01				•		
	110308-AL-H01				•		
	160402-AL-H01				•		
	160404-AL-H01				•		
	160408-AL-H01				•		
	VBGT 110301L-H-TN90	•					
	110302L-H-TN90	•					
	110304L-H-TN90	•					
	VBGT 110301R-H-TN90	•					
	110302R-H-TN90	•					
	110304R-H-TN90	•					
	VBGT 110301L-Y-TN90	•					
	110302L-Y-TN90	•					
	110304L-Y-TN90	•					
	VBGT 110301R-Y-TN90	•					
	110302R-Y-TN90	•					
	110304R-Y-TN90	•					
	VBGT 110301L-F-TN90	•					
	110302L-F-TN90	•					
	110304L-F-TN90	•					
	VBGT 110301R-F-TN90	•					
	110302R-F-TN90	•					
	110304R-F-TN90	•					

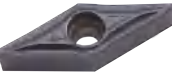
VC Positive 35° Insert



Unit: mm

Model	A	T	Φd	L	rε	a
VC..110302	6.35	3.18	2.8	11	0.2	7°
VC..110304	6.35	3.18	2.8	10	0.4	7°
VC..110308	6.35	3.18	2.8	9.0	0.8	7°
VC..160402	9.525	4.76	4.4	16.1	0.2	7°
VC..160404	9.525	4.76	4.4	15.6	0.4	7°
VC..160408	9.525	4.76	4.4	14.6	0.8	7°

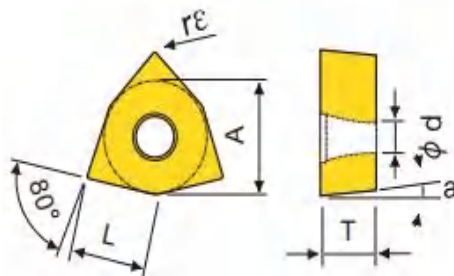
Picture	Item Code	Cutting Grade					
		P	M	K	N	S	H
	VC GT 110301-CBN			●			
	110302-CBN			●			
	110304-CBN			●			
	110308-CBN			●			
	160401-CBN			●			
	160402-CBN			●			
	160404-CBN			●			
	160408-CBN			●			
	160412-CBN			●			
	VC GT 110301-PCD				●		
	110302-PCD				●		
	110304-PCD				●		
	110308-PCD				●		
	160401-PCD				●		
	160402-PCD				●		
	160404-PCD				●		
	160408-PCD				●		
	160412-PCD				●		
	VC MT 110302-TF-IC530	●					
	110304-TF-IC530	●					
	160404-TF-IC530	●					
	160408-TF-IC530	●					
	VC MT 160404-TM-IP630	●					
	160408-TM-IP630	●					

Picture	Item Code	Cutting Grade					
		P	M	K	N	S	H
	VCMT 110302-TF-IP620	•	•				
	110304-TF-IP620	•	•				
	160404-TF-IP620	•	•				
	160408-TF-IP620	•	•				
	VCMT 160404-TM-IP620	•	•				
	160408-TM-IP620	•	•				
	VCGT 110301-1L-IP730	•	•			•	•
	110302-1L-IP730	•	•			•	•
	110304-1L-IP730	•	•			•	•
	160402-1L-IP730	•	•			•	•
	160408-1L-IP730	•	•			•	•
	VCGT 110301L-H-IP730	•	•			•	•
	110302L-H-IP730	•	•			•	•
	110304L-H-IP730	•	•			•	•
	110301R-H-IP730	•	•			•	•
	110302R-H-IP730	•	•			•	•
	110304R-H-IP730	•	•			•	•
	VCGT 110301L-F-IP730	•	•			•	•
	110302L-F-IP730	•	•			•	•
	110304L-F-IP730	•	•			•	•
	VCGT 110301R-F-IP730	•	•			•	•
	110302R-F-IP730	•	•			•	•
	110304R-F-IP730	•	•			•	•
	VCGT 110301MF-IP730	•	•			•	•
	110302MF-IP730	•	•			•	•
	110304MF-IP730	•	•			•	•
	VCGT 110301-AL-H01				•		
	110302-AL-H01				•		
	110304-AL-H01				•		
	110308-AL-H01				•		
	160402-AL-H01				•		
	160404-AL-H01				•		
	160408-AL-H01				•		

Picture	Item Code	Cutting Grade					
		P	M	K	N	S	H
	VC GT 110301L-H-TN90	•					
	110302L-H-TN90	•					
	110304L-H-TN90	•					
	VC GT 110301R-H-TN90	•					
	110302R-H-TN90	•					
	110304R-H-TN90	•					
	VC GT 110301L-F-TN90	•					
	110302L-F-TN90	•					
	110304L-F-TN90	•					
	VC GT 110301R-F-TN90	•					
	110302R-F-TN90	•					
	110304R-F-TN90	•					

WB Positive

80° Insert



Unit: mm

Model	A	T	φd	L	rε	a
WB..060101	3.97	1.59	2.3	2.7	0.1	5°
WB..060102	3.97	1.59	2.3	2.6	0.2	5°
WB..060104	3.97	1.59	2.3	2.3	0.4	5°

Picture	Item Code	Cutting Grade					
		P	M	K	N	S	H
	WBGT 060102-CBN 060104-CBN			•			
				•			
	WBGT 060102-PCD 060104-PCD				•		
					•		
	WBGT 060101L-F-IP620 060102L-F-IP620 060104L-F-IP620	•	•				
		•	•				
		•	•				
	WBMT 060102L-DP-IP620 060104L-DP-IP620	•	•				
		•	•				
	WBGT 060101L-F-IP730 060102L-F-IP730 060104L-F-IP730	•	•			•	•
		•	•			•	•
		•	•			•	•
	WBGT 060102L-F-H01 060104L-F-H01				•		
					•		
	WBGT 060102L-F-TN90 060104L-F-TN90	•					
		•					