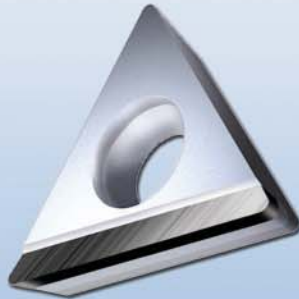


ISO-HardCut



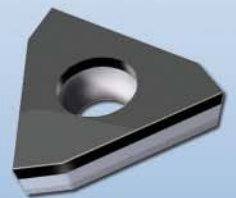
Solid



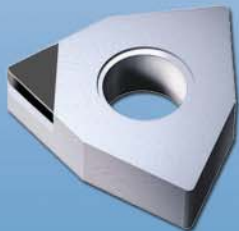
**Whole Edge
Positive Neutral**



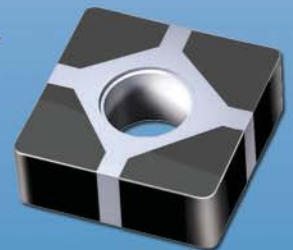
**MultiCut
(2 corners)**



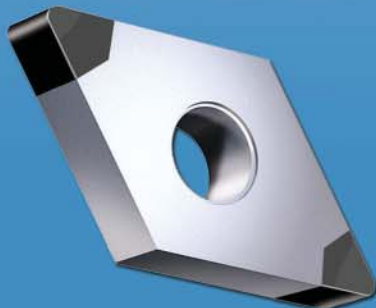
**Full Face
(PCD & CBN)**



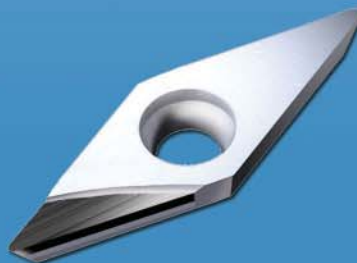
**MW
(1 corner)**



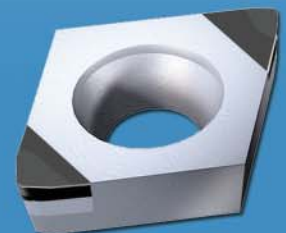
**PolyCut
(8 corners)**



**PolyCut-M
(4 corners)**



**Positive PCD
(right & left hand)**



**Positive Neutral
(with Wiper Edge)**

Turning Inserts - CBN grades

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CCMW MultiCut	page 91	RNGN Fullface	page 108
CCMW MultiCut wiper edge neutral	page 91	RNMA Fullface	page 109
CCMW MW	page 91	RPMW Fullface	page 109
CCMW Whole edge tipped	page 92	SCMW EW	page 109
CNMA EW	page 92	SCMW Whole edge tipped	page 110
CNMA MultiCut	page 93	SNGN PolyCut-M	page 110
CNMA MultiCut wiper edge neutral	page 93	SNGN PolyCut-M/4	page 110
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CNMA PolyCut-S wiper edge neutral	page 94	SNGN PolyCut-S/4	page 111
CNMA PolyCut-M	page 94	SNGN PolyCut Solid	page 111
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CNMA MW	page 95	SNMA PolyCut-M	page 112
CNMF PolyCut-S	page 95	SNMA PolyCut-M/4	page 112
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CNMN PolyCut-M/4	page 97	SPGN EW	page 114
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CPMW EW	page 98	SPMW Whole edge tipped	page 115
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CPMW whole edge tipped	page 99	TBGW Fullface	page 116
DCMT EW	page 100	TCMT EW	page 116
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DNMA PolyCut-S	page 103	TNMA PolyCut-M/4	page 119
DNMA PolyCut-S/4	page 104	TNMA MW	page 120
DNMA PolyCut-M	page 104	TNMA Whole edge	page 120
DNMA MW	page 105	TNMG PolyCut-S	page 120
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EPMT EW	page 106	TPGN Whole edge tipped	page 122
EPMWEW	page 107	TPGN Fullface	page 122
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		TPMW Whole edge tipped	page 123

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VBMW MultiCut-S	page 124
VBMW MultiCut-S/4	page 124
VBMW MW	page 125
VCMT EWS	page 125
VCMW EWS	page 126
VCMW MultiCut-S	page 126
VCMW MultiCut-S/4	page 127
VCMW MW	page 127
VNMA PolyCut-M	page 128
VNMA PolyCut-M/4	page 128
VNMA MW	page 128
VNMA PolyCut-S	page 129
VNMG PolyCut-S	page 129
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WNMA EW	page 130
WNMA PolyCut-M	page 130
WNMA PolyCut-M/4	page 131
WNMA MW	page 131
WNMA PolyCut-S	page 131
WNMG PolyCut-S	page 132

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SDHW..AE N MW milling insert	page 138
SPKN..ED R MW milling insert	page 138
TPKN ..PDR MW Milling Insert	page 138

Tools - External Pinlock

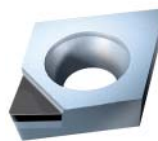
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MCMNN	page 140
MDJNR/L	page 141
MDPNN	page 141
MRGNR/L	page 142
MSDNN	page 142
MTENN	page 142
MTFNR/L	page 143
MTGNR/L	page 143
MTJNR/L	page 144
MVJNR/L	page 144
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SDJCR/L	page 146
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STGCR/L	page 149
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SVHBR/L	page 150
SVHCR/L	page 150
SVJBR/L	page 150
SVJCR/L	page 151
SVBN	page 151
SVVCN	page 151

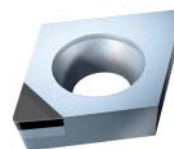
Tools - Internal Screwlock (Carbide Shank)

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C_-STFPR/L	page 155
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C_-SVUCR/L	page 156



CCMT_{EW}

Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH			BL			
	CCMT-21.50.5F-EW					.134	.008	■	■	■		■		■
	CCMT-21.51F-EW	.250	.110	.094	.254	.122	.016	■	■	■		■		■
	CCMT-21.52F-EW					.110	.031	■	■	■		■		■
	CCMT-32.50.5F-EW					.134	.008	■	■	■		■		■
	CCMT-32.51F-EW	.375	.173	.156	.382	.122	.016	■	■	■		■		■
	CCMT-32.52F-EW					.110	.031	■	■	■		■		■



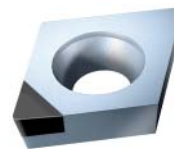
CCMW_{EW}

Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH			BL			
	CCMW-21.50.5F-EW					.134	.008	■	■	■		■		■
	CCMW-21.50.5T-EW					.134	.008	■	■	■		■		■
	CCMW-21.51F-EW	.250	.110	.094	.254	.122	.016	■	■	■		■		■
	CCMW-21.51T-EW					.122	.016	■	■	■		■		■
	CCMW-21.52F-EW					.110	.031	■	■	■		■		■
	CCMW-21.52T-EW					.110	.031	■	■	■		■		■
	CCMW-32.1F-EW					.122	.016	■				■		■
	CCMW-32.1T-EW	.375	.173	.125	.382	.122	.016	■				■		■
	CCMW-32.2F-EW					.110	.031	■				■		■
	CCMW-32.2T-EW					.110	.031	■				■		■
	CCMW-32.50.5F-EW					.134	.008	■	■	■		■		■
	CCMW-32.50.5T-EW					.134	.008	■	■	■		■		■
	CCMW-32.51F-EW					.122	.016	■	■	■		■		■
	CCMW-32.51T-EW	.375	.173	.156	.382	.122	.016	■	■	■		■		■
	CCMW-32.52F-EW					.110	.031	■	■	■		■		■
	CCMW-32.52T-EW					.110	.031	■	■	■		■		■
	CCMW-32.53F-EW					.098	.047	■				■		■
	CCMW-32.53T-EW					.098	.047	■	■	■		■		■
	CCMW-43.1F-EW					.122	.016	■				■		■
	CCMW-43.1T-EW	.500	.217	.187	.508	.122	.016	■	■	■		■		■
	CCMW-43.2F-EW					.110	.031	■	■	■		■		■
	CCMW-43.2T-EW					.110	.031	■	■			■		■

Note: CCMT-21.50.5F-EW: F= sharp cutting edge, T= T-Land

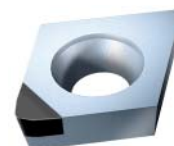
Inserts - CBN

CCMW EWS



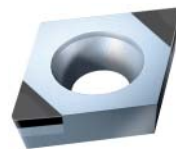
Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH		BL	
	CCMW-21.50.5F-EWS	.250	.110	.094	.254	.134	.008				
	CCMW-21.50.5T-EWS					.134	.008				
	CCMW-21.51F-EWS					.122	.016				
	CCMW-21.51T-EWS					.122	.016				
	CCMW-21.52F-EWS					.110	.031				
	CCMW-21.52T-EWS					.110	.031				
	CCMW-32.50.5F-EWS	.375	.173	.156	.382	.134	.008				
	CCMW-32.50.5T-EWS					.134	.008				
	CCMW-32.51F-EWS					.122	.016				
	CCMW-32.51T-EWS					.122	.016				
	CCMW-32.52F-EWS					.110	.031				
	CCMW-32.52T-EWS					.110	.031				
	CCMW-32.53F-EWS					.098	.047				
	CCMW-32.53T-EWS					.098	.047				

CCMW EWS wiper edge neutral



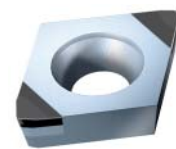
Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH		BL	
	CCMW-21.50.5FW-EWS	.250	.110	.094	.254	.130	.008				
	CCMW-21.50.5TW-EWS					.130	.008				
	CCMW-21.51FW-EWS					.118	.016				
	CCMW-21.51TW-EWS					.118	.016				
	CCMW-32.50.5FW-EWS	.375	.173	.156	.382	.130	.008				
	CCMW-32.50.5TW-EWS					.130	.008				
	CCMW-32.51FW-EWS					.118	.016				
	CCMW-32.51TW-EWS					.118	.016				
	CCMW-32.52FW-EWS					.106	.031				
	CCMW-32.52TW-EWS					.106	.031				

Note: CCMT-21.50.5E-EW: E= sharp cutting edge, T= T-Land



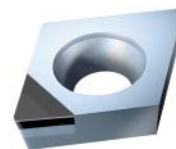
CCMW MultiCut

Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH		BL				
	CCMW-32.50.5F-MC	.375	.173	.156	.382	.134	.008	■				■		■
	CCMW-32.50.5T-MC					.134	.008	■	■	■	■	■	■	■
	CCMW-32.51F-MC					.122	.016	■				■		■
	CCMW-32.51T-MC					.122	.016	■	■	■	■	■	■	■
	CCMW-32.52F-MC					.110	.031	■				■		■
	CCMW-32.52T-MC					.110	.031	■	■	■	■	■	■	■



CCMW MultiCut wiper edge neutral

Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH		BL				
	CCMW-32.50.5FW-MC	.375	.173	.156	.382	.130	.008	■	■	■		■		■
	CCMW-32.50.5TW-MC					.130	.008	■	■	■	■	■	■	■
	CCMW-32.51FW-MC					.118	.016	■	■	■		■		■
	CCMW-32.51TW-MC					.118	.016	■	■	■	■	■	■	■
	CCMW-32.52FW-MC					.106	.031	■	■	■		■		■
	CCMW-32.52TW-MC					.106	.031	■	■	■	■	■	■	■



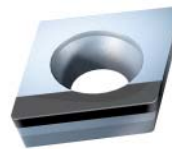
CCMW MW

Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH		BL				
	CCMW-431F-MW	.500	.217	.187	.508	.209	.016	■				■		■
	CCMW-431T-MW					.209	.016	■		■	■	■	■	■
	CCMW-432F-MW					.197	.031	■				■		■
	CCMW-432T-MW					.197	.031	■		■	■	■	■	■

Note: CCMT-21.50.5F-EW: F= sharp cutting edge, T= T-Land

Inserts - CBN

CCMW Whole edge tipped

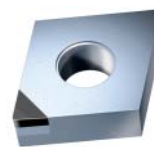


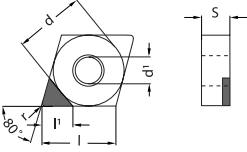
Insert	Designation	Dimensions						PBC	PBC	PBC	PBC	PBC	PBC	PBC	
		d	d ¹	s	l	l ¹	r	BH		BL					
	CCMW-21.51FR/L-GS	.250	.110	.094	--	.254	.016	■				■			■
	CCMW-21.51TR/L-GS					.254	.016	■	■	■	■	■	■	■	■
	CCMW-21.52FR/L-GS					.254	.031	■				■			■
	CCMW-21.52TR/L-GS					.254	.031	■	■	■	■	■	■	■	■
	CCMW-32.51FR/L-GS	.375	.173	.156	--	.382	.016	■				■			■
	CCMW-32.51TR/L-GS					.382	.016	■	■	■	■	■	■	■	■
	CCMW-32.52FR/L-GS					.382	.031	■				■			■
	CCMW-32.52TR/L-GS					.382	.031	■	■	■	■	■	■	■	■

Right hand shown

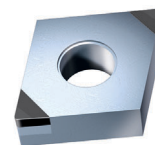
Ordering Example: 10 pcs. CCMW-21.51FR -GS PBC-10 (Right Hand)

CNMA EW



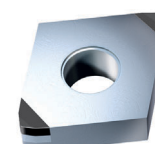
Insert	Designation	Dimensions						PBC	PBC	PBC	PBC	PBC	PBC	PBC		
		d	d ¹	s	l	l ¹	r	BH			BL					
	CNMA-321F-EW	.375	.150	.125	.382	.122	.016	■					■			
	CNMA-321T-EW					.122	.016	■					■			
	CNMA-322F-EW					.110	.031	■					■			
	CNMA-322T-EW					.110	.031	■					■			
	CNMA-430.5F-EW	.500	.202	.187	.508	.134	.008	■	■	■			■		■	
	CNMA-430.5T-EW					.134	.008	■	■	■	■	■	■	■	■	
	CNMA-431F-EW					.122	.016	■	■	■			■			■
	CNMA-431T-EW					.122	.016	■	■	■	■	■	■	■	■	■
	CNMA-432F-EW					.110	.031	■	■	■			■			■
	CNMA-432T-EW					.110	.031	■	■	■	■	■	■	■	■	■
	CNMA-433F-EW					.098	.047	■	■	■			■			■
	CNMA-433T-EW					.098	.047	■	■	■	■	■	■	■	■	■

Note: CCMT-21.50.5E-EW: E= sharp cutting edge, T= T-Land



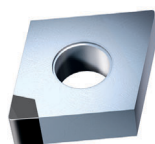
CNMA MultiCut

Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d'	s	l	l'	r	BH		BL				
	CNMA-431F-MC	.500	.202	.187	.508	.118	.016	■	■	■		■		■
	CNMA-431T-MC					.118	.016	■	■	■	■	■	■	■
	CNMA-432F-MC					.106	.031	■	■	■		■		■
	CNMA-432T-MC					.106	.031	■	■	■	■	■	■	■
	CNMA-433T-MC					.094	.047	■	■	■	■	■		■

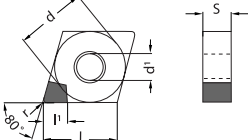


CNMA MultiCut wiper edge neutral

Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d'	s	l	l'	r	BH		BL				
	CNMA-430.5FW-MC	.500	.202	.187	.508	.130	.008	■	■	■		■		■
	CNMA-430.5TW-MC					.130	.008	■	■	■	■	■	■	■
	CNMA-431FW-MC					.118	.016	■	■	■		■		■
	CNMA-431TW-MC					.118	.016	■	■	■	■	■	■	■
	CNMA-432FW-MC					.106	.031	■	■	■		■		■
	CNMA-432TW-MC					.106	.031	■	■	■	■	■	■	■



CNMA PolyCut-S

Insert	Designation	Dimensions						SBC	SB1		SB2	SB4		
		d	d'	s	l	l'	r	BH		BL				
	CNMA-430.5F-PC-S	.500	.202	.187	.508	.114	.008			■		■	■	
	CNMA-430.5T-PC-S					.114	.008		■	■		■	■	
	CNMA-431F-PC-S					.110	.016			■		■	■	
	CNMA-431T-PC-S					.110	.016		■	■		■	■	
	CNMA-432F-PC-S					.098	.031			■		■	■	
	CNMA-432T-PC-S					.098	.031		■	■		■	■	
	CNMA-433F-PC-S					.087	.047			■		■	■	
	CNMA-433T-PC-S					.087	.047		■	■		■	■	

Note: CCMT-21.50.5F-EW: F= sharp cutting edge, T= T-Land

Inserts - CBN

CNMA PolyCut-S wiper edge neutral



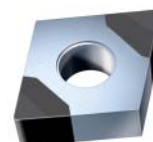
Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH		BL	
	CNMA-430.5FW-PC-S	.500	.202	.187	.508	.114	.008		■		■
	CNMA-430.5TW-PC-S					.114	.008		■		■
	CNMA-431FW-PC-S					.110	.016		■		■
	CNMA-431TW-PC-S					.110	.016		■		■
	CNMA-432FW-PC-S					.098	.031		■		■
	CNMA-432TW-PC-S					.098	.031		■		■

CNMA PolyCut-M



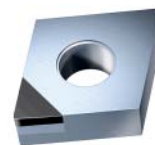
Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH		BL	
	CNMA-431T-PC-M	.500	.202	.187	.508	.110	.016		■		■
	CNMA-432T-PC-M					.102	.031		■		■
	CNMA-433T-PC-M					.094	.047		■		■

CNMA PolyCut-M/4



Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH		BL	
	CNMA-431T-PC-M4	.500	.202	.187	.508	.177	.016		■		
	CNMA-432T-PC-M4					.165	.031		■		
	CNMA-433T-PC-M4					.157	.047		■		
	CNMA-434T-PC-M4					.150	.063		■		

Note: CCMT-21.50.5E-EW: E= sharp cutting edge, T= T-Land



CNMA MW

Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH		BL				
	CNMA-431F-MW	.500	.202	.187	.508	.209	.016	■				■		■
	CNMA-431T-MW					.209	.016	■				■		■
	CNMA-432F-MW					.197	.031	■				■		■
	CNMA-432T-MW					.197	.031	■	■	■	■	■	■	■
	CNMA-433F-MW					.185	.047	■				■		■
	CNMA-433T-MW					.185	.047	■		■	■	■		■
	CNMA-434T-MW					.173	.063	■			■	■		■



CNMF PolyCut-S

Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH		BL	
	CNMF-321F-PC-S	.375	--	.125	.382	.110	.016			■	
	CNMF-322F-PC-S					.102	.031			■	■
	CNMF-323F-PC-S					.094	.047			■	■
	CNMF-431F-PC-S	.500	--	.187	.508	.110	.016			■	■
	CNMF-432F-PC-S					.102	.031			■	■
	CNMF-433F-PC-S					.094	.047			■	■



CNMG PolyCut-S

Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH		BL	
	CNMG-431F-PC-S	.500	.202	.187	.508	.110	.016			■	■
	CNMG-432F-PC-S					.102	.031			■	■
	CNMG-433F-PC-S					.094	.047			■	■

Note: CCMT-21.50.5F-EW: F= sharp cutting edge, T= T-Land

Inserts - CBN

CNMN PolyCut-M



Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH		BL	
	CNMN-321F-PC-M	.375	--	.125	.382	.110	.016		■		
	CNMN-321T-PC-M					.110	.016		■	■	■
	CNMN-322F-PC-M					.102	.031				
	CNMN-322T-PC-M					.102	.031		■	■	■
	CNMN-323F-PC-M					.094	.047				
	CNMN-323T-PC-M					.094	.047		■	■	■
	CNMN-431F-PC-M	.500	--	.187	.508	.110	.016				
	CNMN-431T-PC-M					.110	.016		■	■	■
	CNMN-432F-PC-M					.102	.031				
	CNMN-432T-PC-M					.102	.031		■	■	■
	CNMN-433F-PC-M					.094	.047				
	CNMN-433T-PC-M					.094	.047		■	■	■

CNMN PolyCut-M wiper edge neutral



Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH		BL	
	CNMN-320.5FW-PC-M	.375	--	.125	.382	.114	.008		■		
	CNMN-320.5TW-PC-M					.114	.008		■	■	■
	CNMN-321FW-PC-M					.110	.016				
	CNMN-321TW-PC-M					.110	.016		■	■	■
	CNMN-322FW-PC-M					.102	.031				
	CNMN-322TW-PC-M					.102	.031		■	■	■
	CNMN-430.5FW-PC-M	.500	--	.187	.508	.114	.008				
	CNMN-430.5TW-PC-M					.114	.008		■	■	■
	CNMN-431FW-PC-M					.110	.016				
	CNMN-431TW-PC-M					.110	.016		■	■	■
	CNMN-432FW-PC-M					.102	.031				
	CNMN-432TW-PC-M					.102	.031		■	■	■

Note: CCMT-21.50.5E-EW: E= sharp cutting edge, T= T-Land



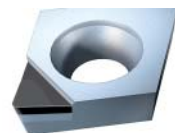
CNMN PolyCut-M/4

Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH	BL		
	CNMN-431T-PC-M4	.500	--	.187	.508	.177	.016	■			
	CNMN-432T-PC-M4					.165	.031	■			
	CNMN-433T-PC-M4					.157	.040	■			
	CNMN-434T-PC-M4					.150	.063	■			



CNMN PolyCut-S/4

Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH	BL		
	CNMN-321T-PC-S4	.375	--	.125	.382	.177	.016	■			
	CNMN-322T-PC-S4					.165	.031	■			
	CNMN-323T-PC-S4					.157	.047	■			
	CNMN-324T-PC-S4					.150	.063	■			

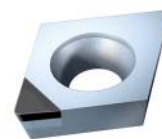


CPMT EW

Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH			BL			
	CPMT-1.51.20.5F-EW	.187	.083	.078	.189	.087	.008	■	■	■		■		■
	CPMT-1.51.21F-EW					.079	.016	■	■	■		■		■
	CPMT-1.81.20.5F-EW	.219	.098	.078	.220	.094	.008	■	■	■		■		■
	CPMT-1.81.21F-EW					.087	.016	■	■	■		■		■
	CPMT-1.81.50.5F-EW	.219	.098	.094	.220	.094	.008	■	■	■		■		■
	CPMT-1.81.51F-EW					.087	.016	■	■	■		■		■
	CPMT-21.50.5F-EW	.250	.110	.094	.254	.134	.008	■	■	■		■		■
	CPMT-21.51F-EW					.122	.016	■	■	■		■		■
	CPMT-21.52F-EW					.110	.031	■	■	■		■		■

Note: CCMT-21.50.5F-EW: F= sharp cutting edge, T= T-Land

Inserts - CBN

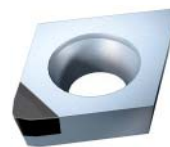


CPMW_{EW}

Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ₁	s	l	l ₁	r	BH			BL			
	CPMW-1.51.20.5F-EW	.187	.083	.078	.189	.087	.008	■	■	■		■		■
	CPMW-1.51.20.5T-EW					.087	.008	■	■	■	■	■	■	■
	CPMW-1.51.21F-EW					.079	.016	■	■	■		■		■
	CPMW-1.51.21T-EW					.079	.016	■	■	■	■	■	■	■
	CPMW-1.81.20.5F-EW	.219	.098	.078	.220	.094	.008	■	■	■		■		■
	CPMW-1.81.20.5T-EW					.094	.008	■	■	■	■	■	■	■
	CPMW-1.81.21F-EW					.087	.016	■	■	■		■		■
	CPMW-1.81.21T-EW					.087	.016	■	■	■	■	■	■	■
	CPMW-1.81.50.5F-EW	.219	.098	.094	.220	.094	.008	■	■	■		■		■
	CPMW-1.81.50.5T-EW					.094	.008	■	■	■	■	■	■	■
	CPMW-1.81.51F-EW					.087	.016	■	■	■		■		■
	CPMW-1.81.51T-EW					.087	.016	■	■	■	■	■	■	■
	CPMW-21.50.5F-EW	.250	.110	.094	.254	.134	.008	■	■	■		■		■
	CPMW-21.50.5T-EW					.134	.008	■	■	■	■	■	■	■
	CPMW-21.51F-EW					.122	.016	■	■	■		■		■
	CPMW-21.51T-EW					.122	.016	■	■	■	■	■	■	■
	CPMW-21.52F-EW					.110	.031	■	■	■		■		■
	CPMW-21.52T-EW					.110	.031	■	■	■	■	■	■	■
	CPMW-32.50.5F-EW	.375	.173	.156	.382	.134	.008	■	■	■		■		■
	CPMW-32.50.5T-EW					.134	.008	■	■	■	■	■	■	■
	CPMW-32.51F-EW					.122	.016	■	■	■		■		■
	CPMW-32.51T-EW					.122	.016	■	■	■	■	■	■	■
	CPMW-32.52F-EW					.110	.031	■	■	■		■		■
	CPMW-32.52T-EW					.110	.031	■	■	■	■	■	■	■

Note: CCMT-21.50.5F-EW: E= sharp cutting edge, $\overline{l}$ = T-Land

Inserts - CBN



CPMW EWS wiper edge neutral

Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH		BL	
	CPMW-1.81.20.5FW-EWS					.094	.008				
	CPMW-1.81.20.5TW-EWS	.219	.098	.078	.220	.094	.008				
	CPMW-1.81.21FW-EWS					.087	.016				
	CPMW-1.81.21TW-EWS					.087	.016				
	CPMW-1.81.50.5FW-EWS					.094	.008				
	CPMW-1.81.50.5TW-EWS	.219	.098	.094	.220	.094	.008				
	CPMW-1.81.51FW-EWS					.087	.016				
	CPMW-1.81.51TW-EWS					.087	.016				
	CPMW-21.50.5FW-EWS					.130	.008				
	CPMW-21.50.5TW-EWS	.250	.110	.094	.254	.130	.008				
	CPMW-21.51FW-EWS					.118	.016				
	CPMW-21.51TW-EWS					.118	.016				



CPMW Whole edge tipped

Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH		BL		BL		
	CPMW-1.81.51FR/L-GS	.219	.098	.094	--	.220	.016							
	CPMW-1.81.51TR/L-GS					.220	.016							
	CPMW-21.51FR/L-GS					.254	.016							
	CPMW-21.51TR/L-GS	.250	.110	.094	--	.254	.016							
	CPMW-21.52FR/L-GS					.254	.031							
	CPMW-21.52TR/L-GS					.254	.031							

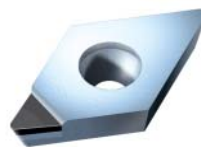
Right hand shown

Ordering Example: 10 pcs. CPMW-1.81.51FR -GS PBC-10 (Right Hand)

Note: CCMT-21.50.5E-EW: E= sharp cutting edge, T= T-Land

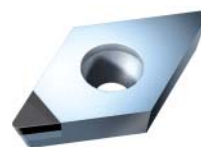
Inserts - CBN

DCMT_{EW}



Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH			BL			
	DCMT-21.50.5F-EW	.250	.110	.094	.305	.154	.008	■	■	■		■		■
	DCMT-21.51F-EW					.138	.016	■	■	■		■		■
	DCMT-21.52F-EW					.118	.031	■	■	■		■		■
	DCMT-32.50.5F-EW	.375	.173	.156	.457	.154	.008	■	■	■		■		■
	DCMT-31.51F-EW					.138	.016	■	■	■		■		■
	DCMT-32.52F-EW					.118	.031	■	■	■		■		■

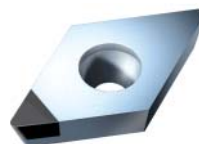
DCMW_{EW}



Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH			BL			
	DCMW-21.50.5F-EW	.250	.110	.094	.305	.154	.008	■	■	■		■		■
	DCMW-21.50.5T-EW					.154	.008	■	■	■	■	■	■	■
	DCMW-21.51F-EW					.138	.016	■	■	■		■		■
	DCMW-21.51T-EW					.138	.016	■	■	■	■	■	■	■
	DCMW-21.52F-EW					.118	.031	■	■	■		■		■
	DCMW-21.52T-EW					.118	.031	■	■	■	■	■	■	■
	DCMW-320.5F-EW	.375	.173	.125	.457	.154	.008	■				■		
	DCMW-320.5T-EW					.154	.008	■				■		
	DCMW-321F-EW					.138	.016	■				■		■
	DCMW-321T-EW					.138	.016	■			■	■	■	■
	DCMW-322F-EW					.118	.031	■				■		
	DCMW-322T-EW					.118	.031	■			■	■	■	
	DCMW-32.50.5F-EW	.375	.173	.156	.457	.154	.008	■	■	■		■		■
	DCMW-32.50.5T-EW					.154	.008	■	■	■	■	■	■	■
	DCMW-32.51F-EW					.138	.016	■	■	■		■		■
	DCMW-32.51T-EW					.138	.016	■	■	■	■	■	■	■
	DCMW-32.52F-EW					.118	.031	■	■	■		■		■
	DCMW-32.52T-EW					.118	.031	■	■	■	■	■	■	■
	DCMW-431F-EW	.500	.217	.187	.610	.138	.016	■				■		■
	DCMW-431T-EW					.138	.016	■			■	■	■	■
	DCMW-432F-EW					.118	.031	■				■		■
	DCMW-432T-EW					.118	.031	■			■	■	■	■

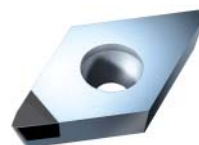
Note: CCMT-21.50.5F-EW: E= sharp cutting edge, T= T-Land

Inserts - CBN



DCMW EWS

Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH	BL		
	DCMW-21.50F-EWS	.250	.110	.094	.305	.154	.004				
	DCMW-21.50T-EWS					.154	.004				
	DCMW-21.50.5F-EWS					.154	.008				
	DCMW-21.50.5T-EWS					.154	.008				
	DCMW-21.51F-EWS					.138	.016				
	DCMW-21.51T-EWS					.138	.016				
	DCMW-21.52F-EWS	.375	.173	.156	.457	.118	.031				
	DCMW-21.52T-EWS					.118	.031				
	DCMW-32.50F-EWS					.154	.004				
	DCMW-32.50T-EWS					.154	.004				
	DCMW-32.50.5F-EWS					.154	.008				
	DCMW-32.50.5T-EWS					.154	.008				
	DCMW-32.51F-EWS					.138	.016				
	DCMW-32.51T-EWS					.138	.016				
	DCMW-32.52F-EWS					.118	.031				
	DCMW-32.52T-EWS					.118	.031				
	DCMW-32.53F-EWS					.102	.047				
	DCMW-32.53T-EWS					.102	.047				



DCMW EWS wiper edge 93° right or left hand

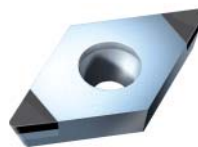
Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH	BL		
	DCMW-21.50FR/LW-EWS	.250	.110	.094	.305	.118	.004				
	DCMW-21.50TR/LW-EWS					.118	.004				
	DCMW-21.50.5FR/LW-EWS					.118	.008				
	DCMW-21.50.5TR/LW-EWS					.118	.008				
	DCMW-21.51FR/LW-EWS					.118	.016				
	DCMW-21.51TR/LW-EWS					.118	.016				
	DCMW-32.50FR/LW-EWS	.375	.173	.156	.457	.118	.004				
	DCMW-32.50TR/LW-EWS					.118	.004				
	DCMW-32.50.5FR/LW-EWS					.118	.008				
	DCMW-32.50.5TR/LW-EWS					.118	.008				
	DCMW-32.51FR/LW-EWS					.118	.016				
	DCMW-32.51TR/LW-EWS					.118	.016				
	DCMW-32.52FR/LW-EWS					.118	.031				
	DCMW-32.52TR/LW-EWS					.118	.031				

Right hand shown

Ordering Example: 10 pcs. DCMW-21.50FR SBC1 (Right Hand)

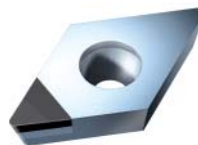
Note: CCMT-21.50.5F-EW: F= sharp cutting edge, T= T-Land

Inserts - CBN



DCMW MultiCut

Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH		BL				
	DCMW-21.50.5T-MC	.250	.110	.094	.305	.154	.008	■		■	■	■	■	■
	DCMW-21.51T-MC					.138	.016	■	■	■	■	■	■	■
	DCMW-21.52T-MC					.118	.031	■		■	■	■	■	■
	DCMW-32.50.5F-MC	.375	.173	.156	.457	.154	.008	■				■		■
	DCMW-32.50.5T-MC					.154	.008	■		■	■	■	■	■
	DCMW-32.51F-MC					.138	.016	■				■		■
	DCMW-32.51T-MC					.138	.016	■	■	■	■	■	■	■
	DCMW-32.52F-MC					.118	.031	■				■		■
	DCMW-32.52T-MC					.118	.031	■		■	■	■	■	■

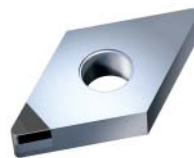


DCMW MW

Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH		BL				
	DCMW-32.50.5F-MW	.375	.173	.156	.457	.220	.008	■				■		■
	DCMW-32.50.5T-MW					.220	.008	■	■	■	■	■	■	■
	DCMW-32.51F-MW					.217	.016	■				■		■
	DCMW-32.51T-MW					.217	.016	■	■	■	■	■	■	■
	DCMW-32.52F-MW					.197	.031	■				■		■
	DCMW-32.52T-MW					.197	.031	■	■	■	■	■	■	■
	DCMW-431T-MW	.500	.217	.187	.610	.217	.016	■			■			■
	DCMW-432T-MW					.197	.031	■			■			■

Note: CCMT-21.50.5E-EW: E= sharp cutting edge, T= T-Land

Inserts - CBN

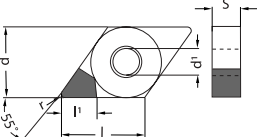


DNMA EW

Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH		BL				
	DNMA-330.5F-EW	.375	.150	.187	.457	.154	.008	■				■		■
	DNMA-330.5T-EW					.154	.008	■	■			■		■
	DNMA-331F-EW					.138	.016	■	■	■		■		■
	DNMA-331T-EW					.138	.016	■	■	■	■	■	■	■
	DNMA-332F-EW					.118	.031	■				■		■
	DNMA-332T-EW					.118	.031	■				■		■
	DNMA-430.5F-EW	.500	.202	.187	.610	.154	.008	■				■		■
	DNMA-430.5T-EW					.154	.008	■				■		■
	DNMA-431F-EW					.138	.016	■				■		■
	DNMA-431T-EW					.138	.016	■	■	■	■	■		■
	DNMA-432F-EW					.118	.031	■	■	■		■		■
	DNMA-432T-EW					.118	.031	■	■	■	■	■	■	■
	DNMA-441F-EW	.500	.202	.250	.610	.138	.016	■	■	■		■		■
	DNMA-441T-EW					.138	.016	■	■	■	■	■	■	■
	DNMA-442F-EW					.118	.031	■	■	■		■		■
	DNMA-442T-EW					.118	.031	■	■	■	■	■	■	■

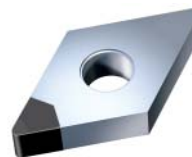


DNMA PolyCut-S

Insert	Designation	Dimensions						SBC	SB1	SB2	SB4	
		d	d ¹	s	l	l ¹	r	BH		BL		
	DNMA-431F-PC-S	.500	.202	.187	.610	.110	.016			■	■	■
	DNMA-431T-PC-S					.110	.016		■	■	■	■
	DNMA-432F-PC-S					.102	.031			■	■	■
	DNMA-432T-PC-S					.102	.031		■	■	■	■
	DNMA-433F-PC-S					.094	.047			■	■	■
	DNMA-433T-PC-S					.094	.047		■	■	■	■
	DNMA-440.5F-PC-S	.500	.202	.250	.610	.118	.008			■	■	■
	DNMA-440.5T-PC-S					.118	.008		■	■	■	■
	DNMA-441F-PC-S					.110	.016			■	■	■
	DNMA-441T-PC-S					.110	.016		■	■	■	■
	DNMA-442F-PC-S					.102	.031			■	■	■
	DNMA-442T-PC-S					.102	.031		■	■	■	■
	DNMA-443F-PC-S					.094	.047			■	■	■
	DNMA-443T-PC-S					.094	.047		■	■	■	■

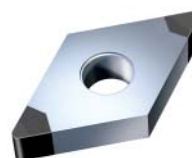
Note: CCMT-21.50.5F-EW: F= sharp cutting edge, T= T-Land

Inserts - CBN



DNMA PolyCut-S/4

Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH		BL	
	DNMA-330.5T-PC-S4					.177	.008		■		
	DNMA-331T-PC-S4	.375	.150	.187	.457	.157	.016		■		
	DNMA-332T-PC-S4					.142	.031		■		
	DNMA-333T-PC-S4					.126	.047		■		
	DNMA-431T-PC-S4					.157	.016		■		
	DNMA-432T-PC-S4	.500	.202	.187	.610	.142	.031		■		
	DNMA-433T-PC-S4					.126	.047		■		
	DNMA-441T-PC-S4					.157	.016		■		
	DNMA-442T-PC-S4	.500	.202	.250	.610	.142	.031		■		
	DNMA-443T-PC-S4					.126	.047		■		
	DNMA-444T-PC-S4					.118	.063		■		

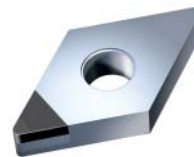


DNMA PolyCut-M

Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH		BL	
	DNMA-431T-PC-M					.110	.016		■	■	
	DNMA-432T-PC-M	.500	.202	.187	.610	.102	.031		■	■	
	DNMA-433T-PC-M					.094	.047		■	■	
	DNMA-441T-PC-M					.110	.016		■	■	
	DNMA-442T-PC-M	.500	.202	.250	.610	.102	.031		■	■	
	DNMA-443T-PC-M					.094	.047		■	■	

Note: CCMT-21.50.5E-EW: E= sharp cutting edge, T= T-Land

Inserts - CBN



DNMA MW

Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH		BL				
	DNMA-432T-MW	.500	.202	.187	.610	.197	.031	■	■	■	■	■	■	■
	DNMA-433T-MW					.177	.047	■	■	■	■	■	■	■
	DNMA-441F-MW	.500	.202	.250	.610	.217	.016	■				■		■
	DNMA-441T-MW					.217	.016	■				■		■
	DNMA-442F-MW					.197	.031	■				■		■
	DNMA-442T-MW					.197	.031	■	■	■	■	■	■	■
	DNMA-443F-MW					.177	.047	■				■		■
	DNMA-443T-MW					.177	.047	■	■	■	■	■	■	■
	DNMA-444F-MW					.157	.063	■						
	DNMA-444T-MW					.157	.063			■	■	■	■	■

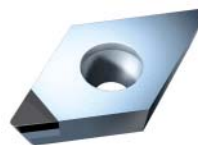


DNMG PolyCut-S

Insert	Designation	Dimensions						SBC	SB1	SB2	SB4
		d	d ¹	s	l	l ¹	r	BH		BL	
	DNMG-431F-PC-S					.110	.016			■	
	DNMG-432F-PC-S	.500	.202	.187	.610	.102	.031			■	
	DNMG-433F-PC-S					.094	.047			■	
	DNMG-441F-PC-S					.110	.016			■	
	DNMG-442F-PC-S	.500	.202	.250	.610	.102	.031			■	
	DNMG-443F-PC-S					.094	.047			■	

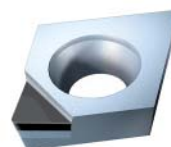
Note: CCMT-21.50.5F-EW: F= sharp cutting edge, T= T-Land

Inserts - CBN



DPMW_{EW}

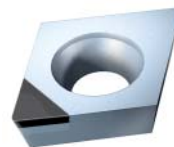
Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH		BL				
	DPMW-21.50.5F-EW	.250	.110	.094	.305	.154	.008	■				■		
	DPMW-21.50.5T-EW					.154	.008	■			■	■	■	■
	DPMW-21.51F-EW					.138	.016	■				■		
	DPMW-21.51T-EW					.138	.016	■	■	■	■	■	■	■
	DPMW-21.52F-EW					.118	.031	■				■		
	DPMW-21.52T-EW					.118	.031	■				■		
	DPMW-32.50.5F-EW	.375	.173	.156	.457	.154	.008	■				■		
	DPMW-32.50.5T-EW					.154	.008	■				■	■	■
	DPMW-32.51F-EW					.138	.016	■				■		
	DPMW-32.51T-EW					.138	.016	■	■	■	■	■	■	■
	DPMW-32.52F-EW					.118	.031	■				■		
	DPMW-32.52T-EW					.118	.031	■				■		



EPMT_{EW}

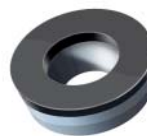
Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH		BL				
	EPMT-1.51.50.5F-EW	.187	.085	.094	.189	.098	.008	■				■		■
	EPMT-1.51.51F-EW					.087	.016	■				■		■
	EPMT-1.81.50.5F-EW	.219	.094	.094	.224	.106	.008	■				■		■
	EPMT-1.81.51F-EW					.094	.016	■				■		■
	EPMT-21.50.5F-EW	.250	.110	.094	.256	.134	.008	■				■		■
	EPMT-21.51F-EW					.122	.016	■				■		■

Note: CCMT-21.50.5F-EW: E= sharp cutting edge, T= T-Land



EPMW_{EW}

Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH		BL				
	EPMW-1.51.50.5F-EW	.187	.085	.094	.189	.098	.008	■				■		■
	EPMW-1.51.50.5T-EW					.098	.008	■				■	■	■
	EPMW-1.51.51F-EW					.087	.016	■				■		■
	EPMW-1.51.51T-EW					.087	.016	■	■	■	■	■		■
	EPMW-1.81.50.5F-EW	.219	.094	.094	.224	.106	.008	■				■		■
	EPMW-1.81.50.5T-EW					.106	.008	■				■	■	■
	EPMW-1.81.51F-EW					.094	.016	■				■		■
	EPMW-1.81.51T-EW					.094	.016	■	■	■	■	■		■
	EPMW-21.50.5F-EW	.250	.110	.094	.256	.134	.008	■				■		■
	EPMW-21.50.5T-EW					.134	.008	■				■	■	■
	EPMW-21.51F-EW					.122	.016	■				■		■
	EPMW-21.51T-EW					.122	.016	■	■	■	■	■		■
	EPMW-2.520.5F-EW	.313	.134	.125	.327	.134	.008	■				■		■
	EPMW-2.520.5T-EW					.134	.008	■				■	■	■
	EPMW-2.521F-EW					.122	.016	■				■		■
	EPMW-2.521T-EW					.122	.016	■	■	■	■	■		■
	EPMW-2.522F-EW					.110	.031	■				■		
	EPMW-2.522T-EW					.110	.031	■				■		



RCMW_{Fullface}

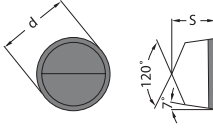
Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH		BL				
	RCMW-0602M0F-VM	.236	.110	.094	--	--	--	■				■		
	RCMW-0602M0T-VM	.236	.110	.094	--	--	--	■	■	■	■	■	■	■
	RCMW-0803M0F-VM	.315	.134	.125	--	--	--	■				■		
	RCMW-0803M0T-VM	.315	.134	.125	--	--	--	■	■	■	■	■	■	■
	RCMW-1003M0T-VM	.394	.173	.125	--	--	--	■				■		■
	RCMW-10T3M0T-VM	.394	.173	.156	--	--	--	■				■		■
	RCMW-1204M0T-VM	.472	.173	.187	--	--	--	■				■		■

Note: CCMT-21.50.5F-EW: F= sharp cutting edge, T= T-Land

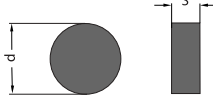
Inserts - CBN

RCGX Fullface



Insert	Designation	Dimensions						SBC1	SB10	PBC-10	PBC-15	PBC-17	PBC-20	SB25	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH				BL					
	RCGX-24F-VM	.250	--	.250	--	--	--			■					■		■
	RCGX-24T-VM	.250	--	.250	--	--	--	■	■	■	■	■	■	■	■	■	■
	RCGX-35T-VM	.375	--	.313	--	--	--	■		■		■	■	■	■	■	■
	RCGX-45T-VM	.500	--	.313	--	--	--	■		■		■	■	■	■		

RNGN Solid

Insert	Designation	Dimensions							SBC	SB1		SB2	SB4	
		d	d ¹	s	l	l ¹	r	BH		BL				
	RNGN-32T	.375	--	.125	--	--	--		■	■		■	■	
	RNGN-42T	.500	--	.125	--	--	--		■	■		■	■	
	RNGN-43T	.500	--	.187	--	--	--		■					

RNGN Fullface

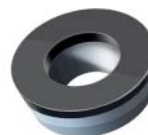
Insert	Designation	Dimensions						PBC	PBC	PBC	PBC	PBC	PBC	PBC
		d	d ¹	s	l	l ¹	r	BH			BL			
	RNGN-32F-VM	.375	--	.125	--	--	--	■						
	RNGN-32T-VM	.375	--	.125	--	--	--	■		■	■	■	■	■
	RNGN-43F-VM	.500	--	.187	--	--	--	■						
	RNGN-43T-VM	.500	--	.187	--	--	--	■		■	■	■	■	■

Note: CCMT-21.50.5E-EW: E= sharp cutting edge, T= T-Land



RNMA Fullface

Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH		BL				
	RNMA-32F-VM	.375	.150	.125	--	--	--	■				■		
	RNMA-32T-VM	.375	.150	.125	--	--	--	■				■		
	RNMA-43F-VM	.500	.202	.187	--	--	--	■				■		
	RNMA-43T-VM	.500	.202	.187	--	--	--	■				■		



RPMW Fullface

Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH		BL				
	RPMW-1204M0T-VM	.472	.173	.187	--	--	--	■				■		
	RPMW-43T-VM	.500	.217	.187	--	--	--	■				■		



SCMW EW

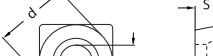
Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH		BL				
	SCMW-32.51F-EW					.138	.016	■	■	■		■		■
	SCMW-32.51T-EW					.138	.016	■	■	■	■	■	■	■
	SCMW-32.52F-EW	.375	.173	.156	.375	.134	.031	■				■		
	SCMW-32.52T-EW					.134	.031	■	■	■	■	■	■	■
	SCMW-431F-EW					.138	.016	■				■		
	SCMW-431T-EW					.138	.016	■	■		■	■		■
	SCMW-432F-EW					.134	.031	■				■		
	SCMW-432T-EW	.500	.217	.187	.500	.134	.031	■		■		■	■	■
	SCMW-433F-EW					.126	.047	■						
	SCMW-433T-EW					.126	.047	■		■	■	■	■	■

Note: CCMT-21.50.5F-EW: F= sharp cutting edge, T= T-Land

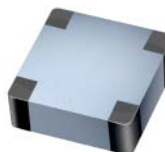
Inserts - CBN

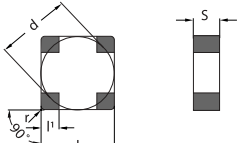
SCMW Whole edge tipped



Insert	Designation	Dimensions						PBC	PBC	PBC	PBC	PBC	PBC	PBC
		d	d ¹	s	l	l ¹	r	BH			BL			
	SCMW-32.51F-GS	.375	.173	.156	--	.375	.016	■	■					
	SCMW-32.51T-GS					.375	.016	■	■	■	■	■	■	
	SCMW-32.52F-GS					.375	.031	■	■					
	SCMW-32.52T-GS					.375	.031	■	■	■	■	■	■	■

SNGN PolyCut-M



Insert	Designation	Dimensions						SBC	SB1	SB2	SB4				
		d	d ¹	s	l	l ¹	r	BH		BL					
	SNGN-321F-PC-M	.375	--	.125	.375	.118	.016			■					
	SNGN-321T-PC-M					.118	.016		■	■		■	■		
	SNGN-322F-PC-M					.110	.031			■		■	■		
	SNGN-322T-PC-M					.110	.031		■	■		■	■		
	SNGN-323F-PC-M					.102	.047			■					
	SNGN-323T-PC-M					.102	.047		■	■		■	■		
	SNGN-431F-PC-M	.500	--	.187	.500	.118	.016			■					
	SNGN-431T-PC-M					.118	.016		■	■		■	■		
	SNGN-432F-PC-M					.110	.031			■		■	■		
	SNGN-432T-PC-M					.110	.031		■	■		■	■		
	SNGN-433F-PC-M					.102	.047			■					
	SNGN-433T-PC-M					.102	.047		■	■		■	■		

SNGN PolyCut-M/4



Insert	Designation	Dimensions						SBC	SB1	SB2	SB4	
		d	d ¹	s	l	l ¹	r	BH	BL			
	SNGN-431T-PC-M4	.500	--	.187	.500	.177	.016					
	SNGN-432T-PC-M4					.173	.031					
	SNGN-433T-PC-M4					.165	.047					
	SNGN-434T-PC-M4					.157	.063					

Note: CCMT-21.50.5E-EW: E= sharp cutting edge, T= T-Land



SNGN PolyCut-M whole edge

Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH	BL		
	SNGN-322T-MGS					.375	.031	■	■		
	SNGN-323T-MGS	.375	--	.125	--	.375	.047	■	■	■	■
	SNGN-324T-MGS					.375	.063	■	■	■	■
	SNGN-432T-MGS					.500	.031	■	■		
	SNGN-433T-MGS	.500	--	.187	--	.500	.047	■	■		
	SNGN-434T-MGS					.500	.063	■	■		



SNGN PolyCut-S/4

Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH	BL		
	SNGN-321T-PC-S4					.177	.016	■			
	SNGN-322T-PC-S4	.375	--	.125	.375	.173	.031	■			
	SNGN-323T-PC-S4					.165	.047	■			
	SNGN-324T-PC-S4					.157	.063	■			



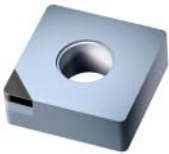
SNGN Solid

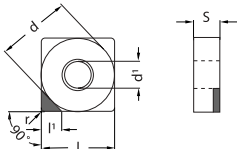
Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH	BL		
	SNGN-321F-SBC					.375	.016	■			
	SNGN-321T-SBC					.375	.016	■	■	■	■
	SNGN-322F-SBC					.375	.031	■			
	SNGN-322T-SBC	.375	--	.125	--	.375	.031	■	■	■	■
	SNGN-323F-SBC					.375	.047	■			
	SNGN-323T-SBC					.375	.047	■	■	■	■
	SNGN-324F-SBC					.375	.063	■			
	SNGN-324T-SBC					.375	.063	■	■	■	■

Note: CCMT-21.50.5F-EW: F= sharp cutting edge, T= T-Land

Inserts - CBN

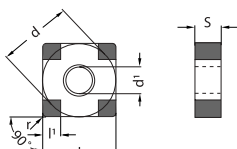
SNMA EW



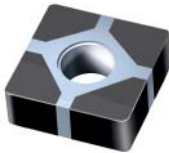
Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH		BL				
	SNMA-431F-EW	.500	.202	.187	.500	.138	.016	■				■		■
	SNMA-431T-EW					.138	.016	■	■	■	■	■	■	■
	SNMA-432F-EW					.134	.031	■	■	■		■		■
	SNMA-432T-EW					.134	.031	■	■	■	■	■	■	■
	SNMA-433F-EW					.126	.047	■				■		■
	SNMA-433T-EW					.126	.047	■	■	■	■	■	■	■

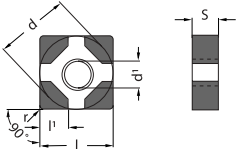
SNMA PolyCut-M



Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH		BL	
	SNMA-431T-PC-M	.500	.202	.187	.500	.118	.016		■	■	
	SNMA-432T-PC-M					.110	.031		■	■	
	SNMA-433T-PC-M					.102	.047		■	■	

SNMA PolyCut-M/4



Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH		BL	
	SNMA-432T-PC-M4	.500	.202	.187	.500	.173	.031		■		
	SNMA-433T-PC-M4					.165	.047		■		
	SNMA-434T-PC-M4					.158	.063		■		

Note: CCMT-21.50.5E-EW: E= sharp cutting edge, l= T-Land



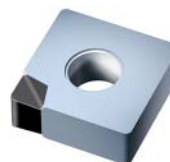
SNMA PolyCut-M whole edge

Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH		BL	
	SNMA-432F-PC-MGS	.500	.202	.187	--	.500	.031		■		
	SNMA-432T-PC-MGS					.500	.031	■	■	■	■
	SNMA-433F-PC-MGS					.500	.047		■		
	SNMA-433T-PC-MGS					.500	.047	■	■	■	■



SNMA PolyCut-S

Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH		BL	
	SNMA-431F-PC-S	.500	.202	.187	.500	.118	.016		■	■	■
	SNMA-431T-PC-S					.118	.016	■	■	■	■
	SNMA-432F-PC-S					.110	.031		■	■	■
	SNMA-432T-PC-S					.110	.031	■	■	■	■
	SNMA-433F-PC-S					.102	.047		■	■	■
	SNMA-433T-PC-S					.102	.047	■	■	■	■



SNMG PolyCut-S

Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH		BL	
	SNMG-431F-PC-S	.500	.202	.187	.500	.118	.016		■	■	■
	SNMG-432F-PC-S					.110	.031		■	■	■
	SNMG-433F-PC-S					.102	.047		■	■	■

Note: CCMT-21.50.5F-EW: F= sharp cutting edge, T= T-Land

Inserts - CBN

SPGN_{EW}



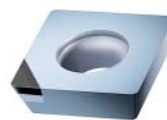
Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH		BL				
	SPGN-321F-EW	.375	--	.125	.375	.138	.016	■				■		
	SPGN-321T-EW					.138	.016	■	■	■	■	■	■	■
	SPGN-322F-EW					.134	.031	■	■	■		■		
	SPGN-322T-EW					.134	.031	■		■	■	■		■
	SPGN-421F-EW	.500	--	.125	.500	.138	.016	■				■		
	SPGN-421T-EW					.138	.016	■				■	■	
	SPGN-422F-EW					.134	.031	■		■		■		
	SPGN-422T-EW					.134	.031	■	■	■	■	■		■
	SPGN-423F-EW					.126	.047	■	■					
	SPGN-423T-EW					.126	.047	■		■	■	■	■	■

SPGN_{Whole edge tipped}



Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH		BL				
	SPGN-321F-GS	.375	--	.125	--	.375	.016	■				■		
	SPGN-321T-GS					.375	.016	■	■	■	■	■		■
	SPGN-322F-GS					.375	.031	■				■		
	SPGN-322T-GS					.375	.031	■	■	■	■	■		■

Note: CCMT-21.50.5E-EW: E= sharp cutting edge, I= T-Land



SPMW_{EW}

Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH		BL				
	SPMW-32.51F-EW	.375	.173	.156	.375	.138	.016	■	■			■		
	SPMW-32.51T-EW					.138	.016	■			■	■		■
	SPMW-32.52F-EW					.134	.031	■		■				
	SPMW-32.52T-EW					.134	.031	■	■	■	■	■	■	■
	SPMW-431F-EW	.500	.217	.187	.500	.138	.016	■				■		
	SPMW-431T-EW					.138	.016	■				■		■
	SPMW-432F-EW					.134	.031	■						
	SPMW-432T-EW					.134	.031	■		■	■	■		■
	SPMW-433F-EW					.126	.047	■						
	SPMW-433T-EW					.126	.047	■	■		■	■		■



SPMW_{Whole edge tipped}

Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH		BL				
	SPMW-32.51F-GS	.375	.173	.156	--	.375	.016	■						
	SPMW-32.51T-GS					.375	.016	■	■	■	■	■		■
	SPMW-32.52F-GS					.375	.031	■						
	SPMW-32.52T-GS					.375	.031	■	■	■	■	■		■



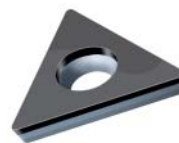
TBGN_{Fullface}

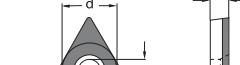
Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH		BL				
	TBGN-1.210.5F-VM	.156	--	.062	--	.256	.008	■				■		
	TBGN-1.210.5T-VM					.256	.008	■		■	■	■	■	■
	TBGN-1.211F-VM					.256	.016	■				■		
	TBGN-1.211T-VM					.256	.016	■		■	■	■	■	■
	TBGN-1.212F-VM					.256	.031	■				■		
	TBGN-1.212T-VM					.256	.031	■		■	■	■	■	■

Note: CCMT-21.50.5F-EW: F= sharp cutting edge, T= T-Land

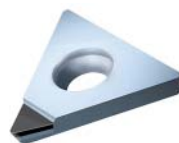
Inserts - CBN

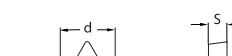
TBGW Fullface



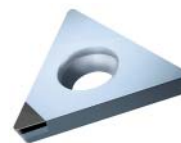
Insert	Designation	Dimensions						PBC	PBC	PBC	PBC	PBC	PBC	PBC
		d	d ¹	s	l	l ¹	r	BH		BL				
	TBGW-1.210.5F-VM	.156	.091	.062	--	.256	.008	■				■		
	TBGW-1.210.5T-VM					.256	.008	■		■	■	■	■	■
	TBGW-1.211F-VM					.256	.016	■				■		
	TBGW-1.211T-VM					.256	.016	■		■	■	■	■	■
	TBGW-1.212F-VM					.256	.031	■				■		
	TBGW-1.212T-VM					.256	.031	■		■	■	■	■	■

TCMT EW



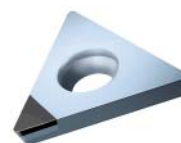
Insert	Designation	Dimensions						PBC	PBC	PBC	PBC	PBC	PBC	PBC
		d	d ¹	s	l	l ¹	r	BH			BL			
	TCMT-1.81.50.5F-EW	.219	.098	.094	.378	.150	.008	■	■			■		■
	TCMT-1.81.51F-EW					.138	.016	■	■	■		■		■
	TCMT-21.50.5F-EW	.250	.110	.094	.433	.150	.008	■	■			■		■
	TCMT-21.51F-EW					.138	.016	■	■	■		■		■

Note: CCMT-21.50.5F-EW: F= sharp cutting edge, T= T-Land



TCMW_{EW}

Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH		BL				
	TCMW-1.81.50.5F-EW	.219	.098	.094	.378	.150	.008	■				■		■
	TCMW-1.81.50.5T-EW					.150	.008	■		■	■	■	■	■
	TCMW-1.81.51F-EW					.138	.016	■	■	■		■		■
	TCMW-1.81.51T-EW					.138	.016	■	■	■	■	■	■	■
	TCMW-1.81.52F-EW					.118	.031	■				■		■
	TCMW-1.81.52T-EW					.118	.031	■				■		■
	TCMW-21.50.5F-EW	.250	.110	.094	.433	.150	.008	■				■		■
	TCMW-21.50.5T-EW					.150	.008	■		■	■	■	■	■
	TCMW-21.51F-EW					.138	.016	■	■	■		■		■
	TCMW-21.51T-EW					.138	.016	■	■	■	■	■	■	■
	TCMW-21.52F-EW					.118	.031	■				■		■
	TCMW-21.52T-EW					.118	.031	■		■	■	■		■
	TCMW-21.53F-EW					.102	.047	■				■		■
	TCMW-21.53T-EW					.102	.047	■		■	■	■	■	■
	TCMW-32.51F-EW	.375	.173	.156	.650	.138	.016	■	■	■		■		■
	TCMW-32.51T-EW					.138	.016	■	■	■	■	■	■	■
	TCMW-32.52F-EW					.118	.031	■				■		■
	TCMW-32.52T-EW					.118	.031	■		■	■	■		■



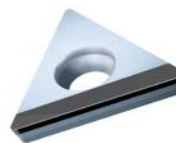
TCMW_{MW}

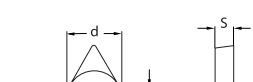
Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH		BL				
	TCMW-32.51F-MW	.375	.173	.156	.650	.217	.016	■				■		■
	TCMW-32.51T-MW					.217	.016	■				■		■
	TCMW-32.52F-MW					.197	.031	■	■	■		■		■
	TCMW-32.52T-MW					.197	.031	■	■	■	■	■	■	■
	TCMW-32.53F-MW					.177	.047	■				■		■
	TCMW-32.53T-MW					.177	.047	■		■	■	■	■	■

Note: CCMT-21.50.5F-EW: F= sharp cutting edge, T= T-Land

Inserts - CBN

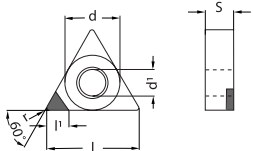
TCMW Whole edge tipped



Insert	Designation	Dimensions						PBC	PBC	PBC	PBC	PBC	PBC	PBC
		d	d ¹	s	l	l ¹	r	BH			BL			
	TCMW-1.81.51F-GS	.219	.098	.094	--	.378	.016	■	■			■		■
	TCMW-1.81.51T-GS					.378	.016	■	■	■	■	■	■	■
	TCMW-21.51F-GS					.433	.016	■	■			■		■
	TCMW-21.51T-GS	.256	.110	.094	--	.433	.016	■	■	■	■	■	■	■
	TCMW-21.52T-GS					.433	.031	■		■	■			■
	TCMW-32.51T-GS					.650	.016	■		■	■			■
	TCMW-32.52T-GS	.375	.173	.156	--	.650	.031	■		■	■	■		■

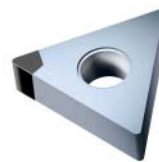
TNMA EW



Insert	Designation	Dimensions						PBC	PBC	PBC	PBC	PBC	PBC	PBC
		d	d ¹	s	l	l ¹	r	BH		BL				
	TNMA-221F-EW	.250	.089	.125	.433	.138	.016	■				■		■
	TNMA-221T-EW					.138	.016	■	■	■	■	■	■	■
	TNMA-222F-EW					.118	.031	■				■		■
	TNMA-222T-EW					.118	.031	■	■	■	■	■	■	■
	TNMA-331F-EW	.375	.150	.187	.650	.138	.016	■				■		■
	TNMA-331T-EW					.138	.016	■		■	■	■	■	■
	TNMA-332F-EW					.118	.031	■	■	■		■		■
	TNMA-332T-EW					.118	.031	■	■	■	■	■	■	■
	TNMA-333F-EW					.102	.047	■				■		■
	TNMA-333T-EW					.102	.047	■				■		■

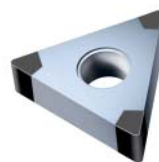
Note: CCMT-21.50.5E-EW: E= sharp cutting edge, l= T-Land

Inserts - CBN



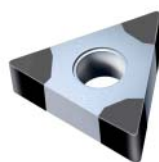
TNMA PolyCut-S

Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BL			
	TNMA-330.5F-PC-S	.375	.150	.187	.650	.118	.008				
	TNMA-330.5T-PC-S					.118	.008				
	TNMA-331F-PC-S					.118	.016				
	TNMA-331T-PC-S					.118	.016				
	TNMA-332F-PC-S					.102	.031				
	TNMA-332T-PC-S					.102	.031				
	TNMA-333F-PC-S					.094	.047				
	TNMA-333T-PC-S					.094	.047				
	TNMA-431F-PC-S	.500	.202	.187	.866	.118	.016				
	TNMA-431T-PC-S					.118	.016				
	TNMA-432F-PC-S					.102	.031				
	TNMA-432T-PC-S					.102	.031				



TNMA PolyCut-M

Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH	BL		
	TNMA-331T-PC-M	.375	.150	.187	.650	.118	.016				
	TNMA-332T-PC-M					.102	.031				
	TNMA-333T-PC-M					.094	.047				

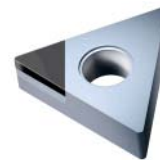


TNMA PolyCut-M/4

Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH	BL		
	TNMA-331T-PC-M4	.375	.150	.187	.650	.177	.016				
	TNMA-332T-PC-M4					.165	.031				
	TNMA-333T-PC-M4					.157	.047				
	TNMA-432T-PC-M4	.500	.202	.187	.866	.165	.031				
	TNMA-433T-PC-M4					.157	.047				

Note: CCMT-21.50.5F-EW: F= sharp cutting edge, T= T-Land

Inserts - CBN



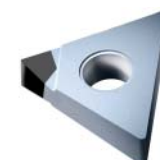
TNMA MW

Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH		BL				
	TNMA-331F-MW	.375	.150	.187	.650	.217	.016	■				■		■
	TNMA-331T-MW					.217	.016	■				■		■
	TNMA-332F-MW					.197	.031	■	■	■		■		■
	TNMA-332T-MW					.197	.031	■	■	■		■		■
	TNMA-333F-MW					.177	.047	■				■		■
	TNMA-333T-MW					.177	.047	■			■	■	■	■



TNMA Whole edge

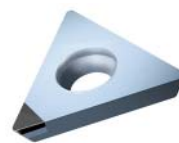
Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r			BL				
	TNMA-332T-GS	.375	.150	.187	--	.650	.031	■		■	■	■		
	TNMA-333T-GS					.650	.047	■		■	■	■		



TNMG PolyCut-S

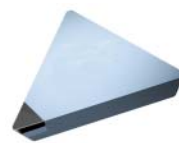
Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40	
		d	d ¹	s	l	l ¹	r	BH		BL		
	TNMG-331F-PC-S	.375	.150	.187	.650	.118	.016		■		■	■
	TNMG-332F-PC-S					.102	.031		■		■	■
	TNMG-333F-PC-S					.094	.047		■		■	■

Note: CCMT-21.50.5E-EW: E= sharp cutting edge, T= T-Land

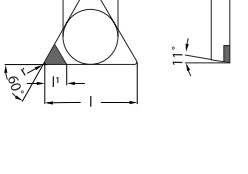


TPGA_{EW}

Insert	Designation	Dimensions						PBC	PBC	PBC	PBC	PBC	PBC	PBC
		d	d ¹	s	l	l ¹	r	BH			BL			
	TPGA-220.5F-EW	.250	.134	.125	.433	.150	.008					■		
	TPGA-220.5T-EW					.150	.008	■				■		■
	TPGA-221F-EW					.138	.016	■				■		
	TPGA-221T-EW					.138	.016	■	■	■	■	■	■	■
	TPGA-222F-EW					.118	.031					■		
	TPGA-222T-EW					.118	.031	■				■		■



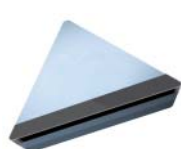
TPGN_{EW}

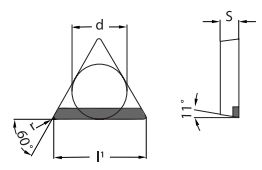
Insert	Designation	Dimensions						PBC	PBC	PBC	PBC	PBC	PBC	PBC	
		d	d ¹	s	l	l ¹	r	BH		BL					
	TPGN-1.81.51F-EW	.219	--	.094	.378	.138	.016	■				■		■	
	TPGN-1.81.51T-EW					.138	.016	■				■		■	
	TPGN-21.51F-EW	.250	--	.094	.433	.138	.016	■				■		■	
	TPGN-21.51T-EW					.138	.016	■				■		■	
	TPGN-220.5F-EW	.250	--	.125	.433	.150	.008	■				■		■	
	TPGN-220.5T-EW					.150	.008	■		■	■	■	■	■	
	TPGN-221F-EW					.138	.016	■	■	■		■			■
	TPGN-221T-EW					.138	.016	■	■	■	■	■	■	■	■
	TPGN-222F-EW					.118	.031	■				■			■
	TPGN-222T-EW					.118	.031	■		■	■	■	■	■	■
	TPGN-321F-EW	.375	--	.125	.650	.138	.016	■	■	■		■		■	
	TPGN-321T-EW					.138	.016	■	■	■	■	■	■	■	■
	TPGN-322F-EW					.118	.031	■				■			■
	TPGN-322T-EW					.118	.031	■		■	■	■	■	■	■

Note: CCMT-21.50.5F-EW: F= sharp cutting edge, T= T-Land

Inserts - CBN

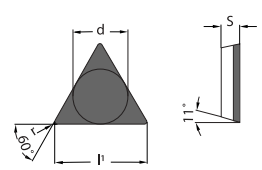
TPGN Whole edge tipped



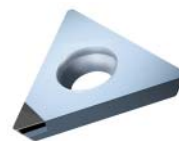
Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BL						
	TPGN-1.81.51T-GS	.219	--	.094	--	.378	.016	■				■		■
	TPGN-21.51T-GS	.250	--	.094	--	.378	.016	■				■		■
	TPGN-221T-GS	.250	--	.125	--	.433	.016	■	■	■	■	■		■
	TPGN-222T-GS					.433	.031	■	■	■	■	■		■
	TPGN-321T-GS	.375	--	.125	--	.650	.016	■	■	■	■	■		■
	TPGN-322T-GS					.650	.031	■				■		■

TPGN Fullface

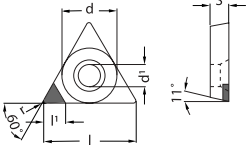


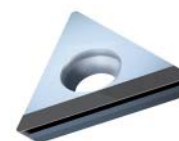
Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BL						
	TPGN-221T-VM	.250	--	.125	--	.433	.016	■	■	■	■	■	■	■
	TPGN-222T-VM					.433	.031	■				■	■	■

Note: CCMT-21.50.5E-EW: E= sharp cutting edge, I= T-Land



TPMW_{EW}

Insert	Designation	Dimensions						PBC	PBC	PBC	PBC	PBC	PBC	PBC	
		d	d ¹	s	l	l ¹	r	BH			BL				
	TPMW-1.51.50.5F-EW	.187	.087	.094	.323	.150	.008					■			
	TPMW-1.51.50.5T-EW					.150	.008	■				■			■
	TPMW-1.51.51F-EW					.138	.016	■				■			■
	TPMW-1.51.51T-EW					.138	.016	■		■	■	■	■	■	■
	TPMW-1.81.50.5F-EW	.219	.098	.094	.378	.150	.008					■			
	TPMW-1.81.50.5T-EW					.150	.008	■				■			■
	TPMW-1.81.51F-EW					.138	.016	■				■			■
	TPMW-1.81.51T-EW					.138	.016	■	■	■	■	■	■	■	■
	TPMW-21.50.5F-EW	.250	.110	.094	.433	.150	.008					■			
	TPMW-21.50.5T-EW					.150	.008	■				■			■
	TPMW-21.51F-EW					.138	.016	■				■			■
	TPMW-21.51T-EW					.138	.016	■				■			■
	TPMW-220.5F-EW	.250	.110	.125	.433	.150	.008	■				■		■	
	TPMW-220.5T-EW					.150	.008	■				■			■
	TPMW-221F-EW					.138	.016	■	■	■		■			■
	TPMW-221T-EW					.138	.016	■	■	■	■	■	■	■	■
	TPMW-222F-EW					.118	.031	■				■			■
	TPMW-222T-EW					.118	.031	■				■			■
	TPMW-331F-EW	.375	.173	.187	.650	.138	.016	■				■		■	
	TPMW-331T-EW					.138	.016	■	■	■	■	■	■	■	■
	TPMW-332F-EW					.118	.031	■				■			■
	TPMW-332T-EW					.118	.031	■				■			■



TPMW_{Whole edge tipped}

TPMW

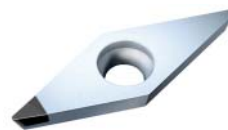
Whole edge tipped

Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH		BL				
	TPMW-1.51.51T-GS	.187	.087	.094	--	.323	.016							
	TPMW-1.81.51T-GS	.219	.098	.094	--	.378	.016							
	TPMW-21.52T-GS	.250	.110	.094	--	.433	.031							
	TPMW-221F-GS	.250	.110	.125	--	.433	.016							
	TPMW-221T-GS					.433	.016							
	TPMW-222F-GS					.433	.031							
	TPMW-222T-GS					.433	.031							
	TPMW-332T-GS	.375	.173	.187	--	.650	.031							

Note: CCMT-21.50.5F-EW: F= sharp cutting edge, T= T-Land

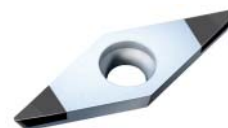
Inserts - CBN

VBMW EWS



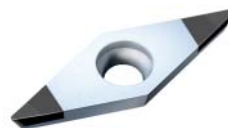
Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH		BL	
	VBMW-21.50.5F-EWS	.250	.114	.094	.437	.138	.008			■	
	VBMW-21.50.5T-EWS					.138	.008			■	
	VBMW-21.51F-EWS					.122	.016			■	
	VBMW-21.51T-EWS					.122	.016			■	
	VBMW-330.5F-EWS	.375	.173	.187	.654	.138	.008			■	
	VBMW-330.5T-EWS					.138	.008			■	
	VBMW-331F-EWS					.122	.016			■	
	VBMW-331T-EWS					.122	.016			■	
	VBMW-332F-EWS					.110	.031			■	
	VBMW-332T-EWS					.110	.031			■	

VBMW MultiCut-S



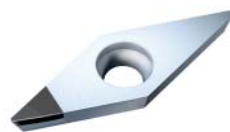
Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH		BL	
	VBMW-330.5F-MC-S	.375	.173	.187	.654	.138	.008			■	
	VBMW-330.5T-MC-S					.138	.008			■	
	VBMW-331F-MC-S					.122	.016			■	
	VBMW-331T-MC-S					.122	.016			■	
	VBMW-332F-MC-S					.110	.031			■	
	VBMW-332T-MC-S					.110	.031			■	

VBMW MultiCut-S/4



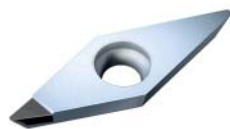
Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH		BL	
	VBMW-331T-MC-S4	.375	.173	.187	.654	.173	.016		■		
	VBMW-332T-MC-S4					.165	.031		■		
	VBMW-333T-MC-S4					.157	.047		■		
	VBMW-334T-MC-S4					.142	.063		■		

Note: CCMT-21.50.5E-EW: E= sharp cutting edge, T= T-Land



VBMW_{MW}

Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH		BL				
	VBMW-21.50.5F-MW	.250	.114	.094	.437	.185	.008	■				■		
	VBMW-21.50.5T-MW					.185	.008	■	■	■	■	■	■	
	VBMW-21.51F-MW					.177	.016	■	■	■		■		■
	VBMW-21.51T-MW					.177	.016	■	■	■	■	■	■	■
	VBMW-21.52F-MW					.165	.031	■				■		■
	VBMW-21.52T-MW					.165	.031	■		■	■	■	■	■
	VBMW-330.5F-MW	.375	.173	.187	.654	.209	.008	■				■		
	VBMW-330.5T-MW					.209	.008	■		■	■	■	■	■
	VBMW-331F-MW					.197	.016	■	■	■		■		
	VBMW-331T-MW					.197	.016	■	■	■	■	■	■	■
	VBMW-332F-MW					.173	.031	■				■		
	VBMW-332T-MW					.173	.031	■	■	■	■	■	■	■
	VBMW-333T-MW					.154	.047	■	■	■	■	■	■	■
	VBMW-334T-MW					.138	.063			■	■	■	■	■

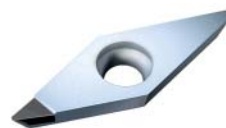


VCMT_{EWS}

Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH		BL	
	VCMT-1.21.50.5F-EWS	.156	.087	.094	.272	.138	.008			■	
	VCMT-1.21.51F-EWS					.126	.016			■	■
	VCMT-220.5F-EWS	.250	.114	.125	.437	.138	.008			■	■
	VCMT-221F-EWS					.122	.016			■	■
	VCMT-2.520.5F-EWS	.313	.134	.125	.524	.138	.008			■	■
	VCMT-2.521F-EWS					.122	.016			■	■
	VCMT-330.5F-EWS	.375	.173	.187	.654	.138	.008			■	■
	VCMT-331F-EWS					.122	.016			■	■
	VCMT-332F-EWS					.110	.031			■	■

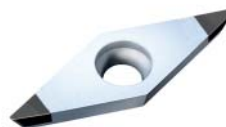
Note: CCMT-21.50.5F-EW: F= sharp cutting edge, T= T-Land

Inserts - CBN



VCMW EWS

Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH		BL	
	VCMW-1.21.50.5F-EWS	.156	.087	.094	.272	.138	.008			■	
	VCMW-1.21.50.5T-EWS					.138	.008			■	
	VCMW-1.21.51F-EWS					.126	.016			■	
	VCMW-1.21.51T-EWS					.126	.016			■	
	VCMW-220.5F-EWS	.250	.114	.125	.437	.138	.008			■	
	VCMW-220.5T-EWS					.138	.008			■	
	VCMW-221F-EWS					.122	.016			■	
	VCMW-221T-EWS					.122	.016			■	
	VCMW-2.520.5F-EWS	.313	.134	.125	.524	.138	.008			■	
	VCMW-2.520.5T-EWS					.138	.008			■	
	VCMW-2.521F-EWS					.122	.016			■	
	VCMW-2.521T-EWS					.122	.016			■	
	VCMW-330.5F-EWS	.375	.173	.187	.654	.138	.008			■	
	VCMW-330.5T-EWS					.138	.008			■	
	VCMW-331F-EWS					.122	.016			■	
	VCMW-331T-EWS					.122	.016			■	
	VCMW-332F-EWS					.110	.031			■	
	VCMW-332T-EWS					.110	.031			■	

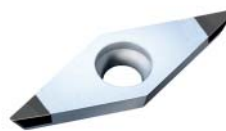


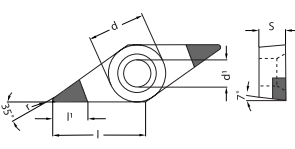
VCMW MultiCut-S

Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH		BL	
	VCMW-220.5F-MC-S	.250	.114	.125	.437	.138	.008			■	
	VCMW-220.5T-MC-S					.138	.008			■	
	VCMW-221F-MC-S					.122	.016			■	
	VCMW-221T-MC-S					.122	.016			■	
	VCMW-222T-MC-S					.110	.031				■
	VCMW-330.5F-MC-S	.375	.173	.187	.654	.138	.008			■	
	VCMW-330.5T-MC-S					.138	.008			■	
	VCMW-331F-MC-S					.122	.016			■	
	VCMW-331T-MC-S					.122	.016			■	
	VCMW-332F-MC-S					.110	.031			■	
	VCMW-332T-MC-S					.110	.031			■	

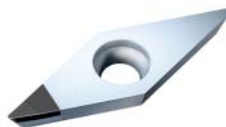
Note: CCMT-21.50.5E-EW: E= sharp cutting edge, T= T-Land

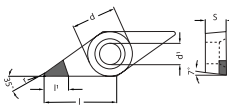
VCMW MultiCut-S/4



Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH	BL		
	VCMW-331T-MC-S4	.375	.173	.187	.654	.173	.016	■			
	VCMW-332T-MC-S4					.165	.031	■			
	VCMW-333T-MC-S4					.157	.047	■			
	VCMW-334T-MC-S4					.142	.063	■			

VCMW MW

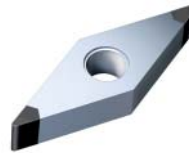


Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH	BL					
	VCMW-1.21.50.5F-MW	.156	.087	.094	.272	.150	.008	■				■		■
	VCMW-1.21.50.5T-MW					.150	.008	■	■		■	■	■	■
	VCMW-1.21.51F-MW					.138	.016	■	■	■		■		■
	VCMW-1.21.51T-MW					.138	.016	■	■	■	■	■	■	■
	VCMW-220.5F-MW	.250	.114	.125	.437	.185	.008	■				■		■
	VCMW-220.5T-MW					.185	.008	■	■		■	■	■	■
	VCMW-221F-MW					.177	.016	■	■	■		■		■
	VCMW-221T-MW					.177	.016	■	■	■	■	■	■	■
	VCMW-222F-MW					.165	.031	■				■		■
	VCMW-222T-MW					.165	.031	■			■	■	■	■
	VCMW-2.520.5F-MW	.313	.134	.125	.524	.209	.008	■				■		■
	VCMW-2.520.5T-MW					.209	.008	■	■	■	■	■	■	■
	VCMW-2.521F-MW					.197	.016	■	■	■		■		■
	VCMW-2.521T-MW					.197	.016	■			■	■	■	■
	VCMW-330.5F-MW	.375	.173	.187	.654	.209	.008	■	■	■		■		■
	VCMW-330.5T-MW					.209	.008	■	■	■	■	■	■	■
	VCMW-331F-MW					.197	.016	■	■	■		■		■
	VCMW-331T-MW					.197	.016	■	■	■	■	■	■	■
	VCMW-332F-MW					.173	.031	■	■	■		■		■
	VCMW-332T-MW					.173	.031	■	■	■	■	■	■	■
	VCMW-333F-MW					.154	.047	■				■		■
	VCMW-333T-MW					.154	.047	■			■	■	■	■

Note: CCMT-21.50.5F-EW: F= sharp cutting edge, T= T-Land

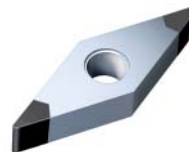
Inserts - CBN

VNMA PolyCut-M



Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH		BL	
	VNMA-331T-PC-M					.110	.016	■	■	■	■
	VNMA-332T-PC-M	.375	.150	.187	.654	.094	.031	■	■	■	■
	VNMA-333T-PC-M					.087	.047	■	■	■	■

VNMA PolyCut-M/4



Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH		BL	
	VNMA-331T-PC-M4					.173	.016	■			
	VNMA-332T-PC-M4					.165	.031	■			
	VNMA-333T-PC-M4	.375	.150	.187	.654	.157	.047	■			
	VNMA-334T-PC-M4					.142	.063	■			

VNMA MW



Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH		BL				
	VNMA-331F-MW					.197	.016	■	■	■		■		■
	VNMA-331T-MW					.197	.016	■	■	■	■	■	■	■
	VNMA-332F-MW					.173	.031	■	■	■		■		■
	VNMA-332T-MW					.173	.031	■	■	■	■	■	■	■
	VNMA-333F-MW	.375	.150	.187	.654	.154	.047							
	VNMA-333T-MW					.154	.047	■			■	■		■
	VNMA-334F-MW					.138	.063							
	VNMA-334T-MW					.138	.063				■	■		■

Note: CCMT-21.50.5E-EW: E= sharp cutting edge, T= T-Land

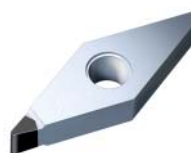
Inserts - CBN

VNMA PolyCut-S



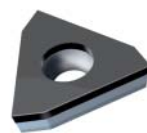
Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH		BL	
	VNMA-330.5F-PC-S	.375	.150	.187	.654	.118	.008	■	■	■	■
	VNMA-330.5T-PC-S					.118	.008	■	■	■	■
	VNMA-331F-PC-S					.110	.016	■	■	■	■
	VNMA-331T-PC-S					.110	.016	■	■	■	■
	VNMA-332F-PC-S					.094	.031	■	■	■	■
	VNMA-332T-PC-S					.094	.031	■	■	■	■
	VNMA-333F-PC-S					.087	.047	■	■	■	■
	VNMA-333T-PC-S					.087	.047	■	■	■	■

VNMG PolyCut-S



Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH		BL	
	VNMG-331F-PC-S	.375	.150	.187	.654	.110	.016	■	■	■	■
	VNMG-332F-PC-S					.094	.031	■	■	■	■
	VNMG-333F-PC-S					.087	.047	■	■	■	■

WBGW/L Fullface

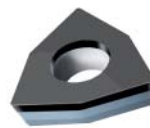


Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH		BL		BL		
	WBGW-1.210.5LF-VM	.156	.091	.062	--	.189	.008	■	■	■	■	■	■	■
	WBGW-1.210.5LT-VM					.189	.008	■	■	■	■	■	■	■
	WBGW-1.211LF-VM					.189	.016	■	■	■	■	■	■	■
	WBGW-1.211LT-VM					.189	.016	■	■	■	■	■	■	■

Note: CCMT-21.50.5F-EW: F= sharp cutting edge, T= T-Land

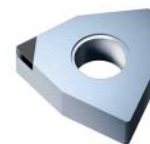
Inserts - CBN

WCGW Fullface



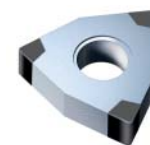
Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH			BL			
	WCGW-1.210.5F-VM	.156	.091	.062	--	.106	.008	■	■	■		■		■
	WCGW-1.210.5T-VM					.106	.008	■			■	■	■	■
	WCGW-1.211F-VM					.106	.016	■				■		■
	WCGW-1.211T-VM					.106	.016	■	■	■	■	■	■	■

WNMA EW



Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH			BL			
	WNMA-431F-EW	.500	.202	.187	.335	.122	.016	■				■		■
	WNMA-431T-EW					.122	.016	■	■	■	■	■	■	■
	WNMA-432F-EW					.110	.031	■	■	■		■		■
	WNMA-432T-EW					.110	.031	■	■	■	■	■	■	■
	WNMA-433F-EW					.098	.047	■				■		■
	WNMA-433T-EW					.098	.047	■				■		■

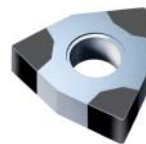
WNMA PolyCut-M



Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH		BL	
	WNMA-431T-PC-M	.500	.202	.187	.335	.110	.016		■	■	
	WNMA-432T-PC-M					.102	.031		■	■	
	WNMA-433T-PC-M					.094	.047		■	■	

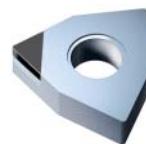
Note: CCMT-21.50.5E-EW: E= sharp cutting edge, T= T-Land

Inserts - CBN



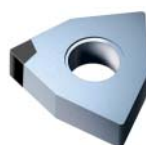
WNMA PolyCut-M/4

Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH		BL	
	WNMA-431T-PC-M4	.500	.202	.187	.335	.177	.016	■			
	WNMA-432T-PC-M4					.165	.031	■			
	WNMA-433T-PC-M4					.157	.047	■			
	WNMA-434T-PC-M4					.150	.063	■			



WNMA MW

Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH		BL		BL		
	WNMA-431F-MW	.500	.202	.187	.335	.209	.016	■				■		■
	WNMA-431T-MW					.209	.016	■				■		■
	WNMA-432F-MW					.197	.031	■				■		■
	WNMA-432T-MW					.197	.031	■	■	■	■	■	■	■
	WNMA-433F-MW					.185	.047	■				■		■
	WNMA-433T-MW					.185	.047	■				■		■

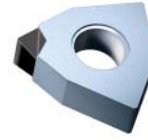


WNMA PolyCut-S

Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH		BL	
	WNMA-431F-PC-S	.500	.202	.187	.335	.110	.016		■	■	■
	WNMA-431T-PC-S					.110	.016		■	■	■
	WNMA-432F-PC-S					.102	.031		■	■	■
	WNMA-432T-PC-S					.102	.031		■	■	■
	WNMA-433F-PC-S					.094	.047		■	■	■
	WNMA-433T-PC-S					.094	.047		■	■	■

Note: CCMT-21.50.5F-EW: F= sharp cutting edge, T= T-Land

Inserts - CBN

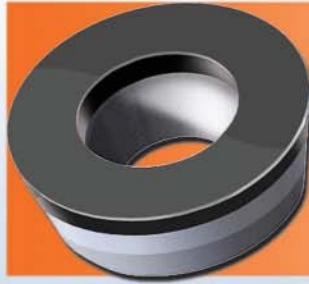


WNMG PolyCut-S

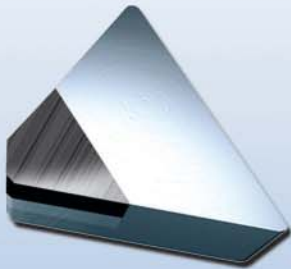
Insert	Designation	Dimensions						SBC1	SB10	SB25	SB40
		d	d ¹	s	l	l ¹	r	BH		BL	
	WNMG-431F-PC-S					.110	.016		■	■	■
	WNMG-432F-PC-S	.500	.202	.187	.335	.102	.031		■	■	■
	WNMG-433F-PC-S					.094	.047		■	■	■

Note: CCMT-21.50.5E-EW: E= sharp cutting edge, $\overline{l}$ = T-Land

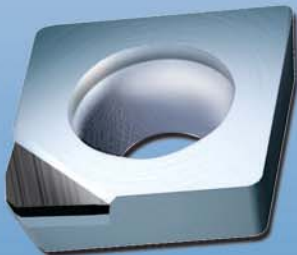
Milling



RDHX-0702MO
RDHX-1003MO
RDHX-12T3MO
(full face PCD & CBN)



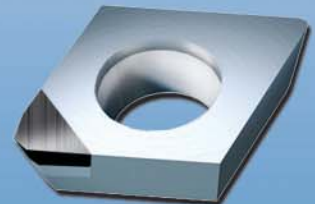
TPKN-32-PD
TPKN-43-PD
(PCD, CBN, MDC)



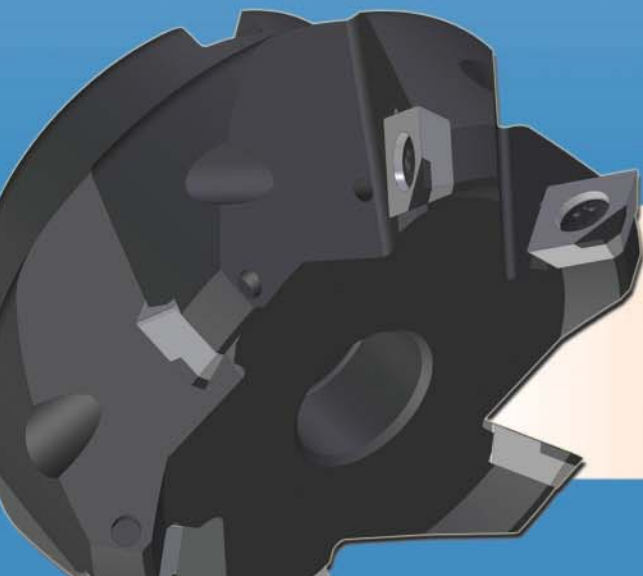
SPGT-43-ED
(positive right hand)



SPKN-42-ED
(PCD, CBN, MDC)



CPGW-43-PD
(PCD & MDC)

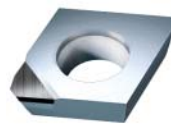


SEHW-43-AF
SDHW-43-AE
(neutral - PCD & CBN)



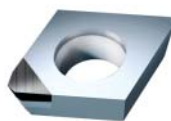
Inserts - PCD & MDC

CPGT..PD R Milling insert positive right hand



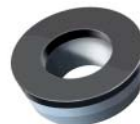
Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC		
		d	d ¹	s	l	l ¹	r	DP			DM		
	CPGT-43PDR-4					.177	--	■					
	CPGT-43PDR-6	.500	.217	.187	.500	.295	--	■					
	CPGT-43PDR-8					.354	--	■					

CPGW..PD R Milling insert neutral

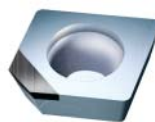


Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC		
		d	d ¹	s	l	l ¹	r	DP			DM		
	CPGW-43PDR-2					.079	--				■		
	CPGW-43PDR-4	.500	.217	.187	.500	.177	--	■					
	CPGW-43PDR-6					.295	--	■					

RDHX Milling insert fullface

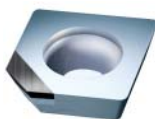


Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC		
		d	d ¹	s	l	l ¹	r	DP			DM		
	RDHX-0501M0	.197	.079	.059	--	--	--	■					
	RDHX-0702M0	.276	.106	.094	--	--	--	■					
	RDHX-1003M0	.394	.150	.125	--	--	--	■					
	RDHX-12T3M0	.472	.150	.156	--	--	--	■					



SDHW..AE N Milling insert neutral

Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC	
		d	d ¹	s	l	l ¹	r	DP			DM	
	SDHW-43AEN-4	.500	.217	.187	.500	.157	--	■				
	SDHW-43AEN-6					.236	--	■				



SEHW..AF N Milling insert neutral

Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC	
		d	d ¹	s	l	l ¹	r	DP			DM	
	SEHW-43AFN-4	.500	.217	.187	.500	.157	--	■				
	SEHW-43AFN-6					.236	--	■				



SEKN..AF N Milling insert neutral

Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC	
		d	d ¹	s	l	l ¹	r	DP			DM	
	SEKN-42AFN-4	.500	--	.125	.500	.157	--	■				
	SEKN-42AFN-6					.236	--	■				

Inserts - PCD & MDC

SPKN..ED R Milling insert right hand



Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC	
		d	d ¹	s	l	l ¹	r	DP			DM	
	SPKN-42EDR-2					.079	--				■	
	SPKN-42EDR-4	.500	--	.125	.500	.177	--	■				
	SPKN-42EDR-6					.295	--	■				

SPGW..ED R Milling insert right hand



Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC	
		d	d ¹	s	l	l ¹	r	DP			DM	
	SPGW-43EDR-2					.079	--				■	
	SPGW-43EDR-4	.500	.217	.187	.500	.177	--	■				
	SPGW-43EDR-6					.295	--	■				

SPGT..ED R Milling insert positive, right hand



Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC	
		d	d ¹	s	l	l ¹	r	DP			DM	
	SPGT-43EDR-8	.500	.217	.187	.500	.335	--	■				

Inserts - PCD & MDC



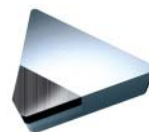
SPGW..PD R Milling insert right hand

Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC	
		d	d ¹	s	l	l ¹	r	DP			DM	
	SPGW-43PDR-2					.079	--				■	
	SPGW-43PDR-4	.500	.217	.187	.500	.177	--	■				
	SPGW-43PDR-6					.295	--	■				



SPGT..PD R Milling insert positive, right hand

Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC	
		d	d ¹	s	l	l ¹	r	DP			DM	
	SPGT-43PDR-8	.500	.217	.187	.500	.335	--	■				

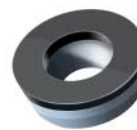


TPKN..PD R Milling insert right hand

Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC	
		d	d ¹	s	l	l ¹	r	DP			DM	
	TPKN-32PDR-2					.079	--				■	
	TPKN-32PDR-4	.375	--	.125	.650	.157	--	■				

Inserts - CBN

RDHX Fullface milling insert



Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH			BL			
	RDHX-0702MOT-VM	.276	.106	.094	--	--	--	■	■	■	■	■	■	■
	RDHX-1003MOT-VM	.394	.150	.125	--	--	--	■	■	■	■	■	■	■
	RDHX-12T3MOT-VM	.472	.150	.156	--	--	--	■	■	■	■	■	■	■

SDHW..AE N MW milling insert



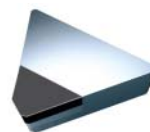
Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH			BL			
	SDHW-43AENT-MW	.500	.217	.187	.500	.157	--	■	■	■	■	■	■	■

SPKN..ED R MW milling insert



Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r	BH			BL			
	SPKN-42EDRT-MW	.500	--	.125	.500	.157	--	■	■	■	■	■	■	■

TPKN..PD R MW milling insert



Insert	Designation	Dimensions						PBC-10	PBC-15	PBC-17	PBC-20	PBC-25	PBC-30	PBC-40
		d	d ¹	s	l	l ¹	r				BL			
	TPKN-32PDRT-MW	.375	--	.125	.650	.157	--	■	■	■	■	■	■	■
	TPKN-43PDRT-MW	.500	--	.187	.866	.157	--	■	■	■	■	■	■	■

Note: RDHX-070202MOT-VM: E= sharp cutting edge, T= T-Land