

ISO-HardCut



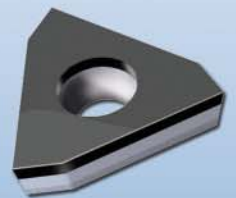
Solid



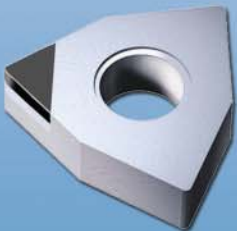
**Whole Edge
Positive Neutral**



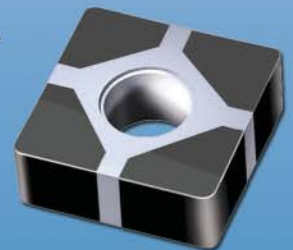
**MultiCut
(2 corners)**



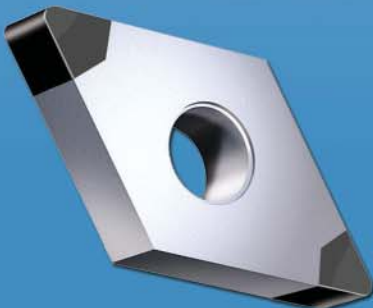
**Full Face
(PCD & CBN)**



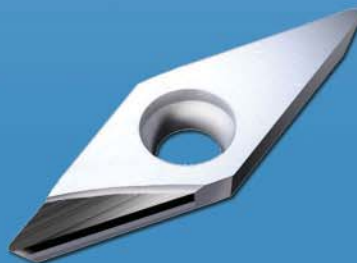
**MW
(1 corner)**



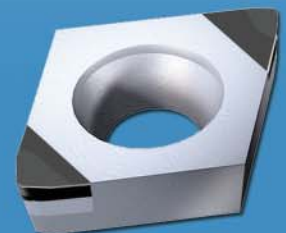
**PolyCut
(8 corners)**



**PolyCut-M
(4 corners)**



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



**Positive Neutral
(with Wiper Edge)**

Inserts - PCD & MDC

Turning Inserts - PDC & MDC grades

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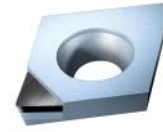
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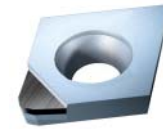
Inserts - PCD & MDC

CCMT Positive neutral



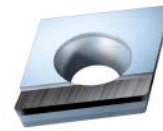
Insert	Designation	Dimensions							PDC-S	PDC	PDC-L	MDC	
		d	d'	s	l	PDC l'	MDC l'	r	DP			DM	
	CCMT-21.50					.138	.102	.004	■	■		■	
	CCMT-21.50.5	.250	.110	.094	.254	.134	.094	.008	■	■		■	
	CCMT-21.51					.126	.087	.016		■		■	
	CCMT-21.52					.118	.079	.031	■	■		■	
	CCMT-32.50.5					.177	--	.008	■	■			
	CCMT-32.51	.375	.173	.156	.382	.169	--	.016		■			
	CCMT-32.52					.161	--	.031		■			
	CCMT-431	.500	.217	.187	.508	.169	--	.016	■	■			
	CCMT-432					.161	--	.031		■			

CCMT Positive neutral wiper edge



Insert	Designation	Dimensions							PDC-S	PDC	PDC-L	MDC	
		d	d'	s	l	PDC l'	MDC l'	r	DP			DM	
	CCMT-21.50W					.134	.102	.004	■	■		■	
	CCMT-21.50.5W	.250	.110	.094	.254	.130	.094	.008	■	■		■	
	CCMT-21.51W					.122	.083	.016		■		■	
	CCMT-32.50W					.177	.102	.004	■	■		■	
	CCMT-32.50.5W	.375	.173	.156	.382	.173	.094	.008	■	■		■	
	CCMT-32.51W					.165	.087	.016		■		■	
	CCMT-430.5W	.500	.217	.187	.508	.173	--	.008	■	■			
	CCMT-431W					.165	--	.016	■	■			

CCMT Right or left hand, whole edge positive



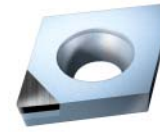
Insert	Designation	Dimensions							PDC-S	PDC	PDC-L	MDC	
		d	d'	s	l	l'	r	DP			DM		
	CCMT-21.51R/L-GS	.250	.110	.094	--	.254	.016	■					
	CCMT-21.52R/L-GS					.254	.031	■					
	CCMT-32.52R/L-GS	.375	.173	.156	--	.382	.031	■					
	CCMT-32.53R/L-GS					.382	.047	■					
	CCMT-433R/L-GS	.500	.217	.187	--	.508	.047	■					

Right hand shown

Ordering Example: 10 pcs. CCMT-21.51R-GS PDC-S (Right Hand)

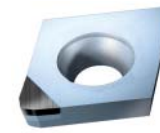
Inserts - PCD & MDC

CCMW Neutral



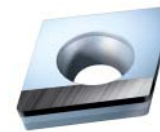
Insert	Designation	Dimensions							PDC-S	PDC	PDC-L	MDC		
		d	d ¹	s	l	PDC ¹	MDC ¹	r	DP			DM		
	CCMW-21.50.5					.134	.094	.008	■	■			■	
	CCMW-21.51	.250	.110	.094	.254	.126	.087	.016	■	■			■	
	CCMW-21.52					.118	.079	.031		■			■	
	CCMW-32.50.5					.177	.000	.008	■	■				
	CCMW-32.51	.375	.173	.156	.382	.169	.087	.016	■	■			■	
	CCMW-32.52					.161	.079	.031		■			■	
	CCMW-431	.500	.217	.187	.508	.169	.087	.016	■	■			■	
	CCMW-432					.161	.000	.031		■				

CCMW Neutral wiper edge



Insert	Designation	Dimensions							PDC-S	PDC	PDC-L	MDC		
		d	d ¹	s	l	PDC ¹	MDC ¹	r	DP			DM		
	CCMW-21.50W					.134	.098	.004	■	■			■	
	CCMW-21.50.5W	.250	.110	.094	.254	.130	.091	.008	■	■			■	
	CCMW-21.51W					.122	.083	.016		■			■	
	CCMW-32.50W					.177	.098	.004	■	■			■	
	CCMW-32.50.5W	.375	.173	.156	.382	.173	.091	.008	■	■			■	
	CCMW-32.51W					.165	.083	.016		■			■	
	CCMW-430.5W	.500	.217	.187	.508	.173	.091	.008	■	■			■	
	CCMW-431W					.165	.083	.016	■	■			■	

CCMW Right or left hand, whole edge



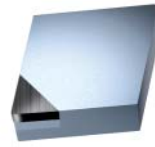
Insert	Designation	Dimensions							PDC-S	PDC	PDC-L	MDC		
		d	d ¹	s	l	l ¹	r	DP			DM			
	CCMW-21.51R/L-GS						.254	.016			■			
	CCMW-21.52R/L-GS	.250	.110	.094	--		.254	.031			■			
	CCMW-32.52R/L-GS						.382	.031			■			
	CCMW-32.53R/L-GS	.375	.173	.156	--		.382	.047			■			
	CCMW-432R/L-GS	.500	.217	.187	--		.508	.031			■			

Right hand shown

Ordering Example: 10 pcs. CCMW-21.51R-GS PDC (Right Hand)

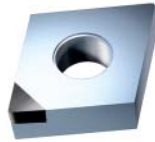
Inserts - PCD & MDC

CNMN_{MW}



Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC			
		d	d'	s	l	l'	r	DP			DM			
	CNMN-431-MW					.248	.016	■						
	CNMN-432-MW	.500	--	.187	.508	.236	.031	■						
	CNMN-433-MW					.224	.047	■						

CNMA_{MW}



Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC			
		d	d'	s	l	l'	r	DP			DM			
	CNMA-431-MW					.248	.016	■	■					
	CNMA-432-MW	.500	.202	.187	.508	.236	.031	■	■					
	CNMA-433-MW					.224	.047	■	■					

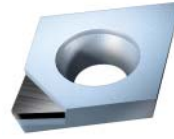
CNMM_{MW}



Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC			
		d	d'	s	l	l'	r	DP			DM			
	CNMM-431-MW					.248	.016	■						
	CNMM-432-MW	.500	.202	.187	.508	.236	.031	■						
	CNMM-433-MW					.224	.047	■						

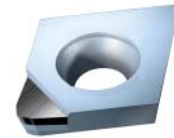
Inserts - PCD & MDC

CPMT Positive neutral



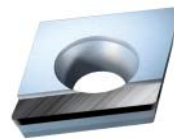
Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC		
		d	d'	s	l	l'	r	DP			DM		
	CPMT-1.51.20.5	.187	.083	.078	.189	.087	.008	■	■				
	CPMT-1.51.21					.079	.016		■	■			
	CPMT-1.81.20.5	.219	.098	.078	.220	.094	.008	■	■				
	CPMT-1.81.21					.087	.016		■	■			
	CPMT-1.81.50.5	.219	.098	.094	.220	.094	.008	■	■				
	CPMT-1.81.51					.087	.016		■	■			
	CPMT-21.50.5					.134	.008	■	■				
	CPMT-21.51	.250	.110	.094	.254	.126	.016		■	■			
	CPMT-21.52					.118	.031		■	■			

CPMT Positive neutral wiper edge



Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC		
		d	d'	s	l	l'	r	DP			DM		
	CPMT-1.51.20.5W	.187	.083	.078	.189	.079	.008	■	■				
	CPMT-1.51.21W					.075	.016		■	■			
	CPMT-1.81.20.5W	.219	.098	.078	.220	.091	.008	■	■				
	CPMT-1.81.21W					.083	.016		■	■			
	CPMT-1.81.50.5W	.219	.098	.094	.220	.091	.008	■	■				
	CPMT-1.81.51W					.083	.016		■	■			
	CPMT-21.50.5W					.130	.008	■	■				
	CPMT-21.51W	.250	.110	.094	.254	.122	.016		■	■			

CPMT Right or left hand, whole edge positive

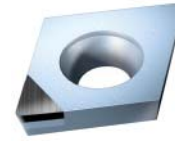


Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC		
		d	d'	s	l	l'	r	DP			DM		
	CPMT-1.81.21R/L-GS	.219	.098	.078	--	.220	.016	■					
	CPMT-1.81.22R/L-GS					.220	.031	■					
	CPMT-1.81.51R/L-GS	.219	.098	.094	--	.220	.016	■					
	CPMT-1.81.52R/L-GS					.220	.031	■					
	CPMT-21.52R/L-GS	.250	.110	.094	--	.254	.031	■					
	CPMT-32.53R/L-GS	.375	.173	.156	--	.382	.047	■					
	CPMT-433R/L-GS	.500	.217	.187	--	.508	.047	■					

Right hand shown

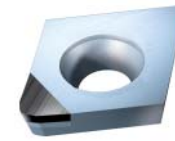
Ordering Example: 10 pcs. CPMT-1.81.21R-GS PDC-S (Right Hand)

Inserts - PCD & MDC



CPMW Neutral

Insert	Designation	Dimensions									PDC-S	PDC	PDC-L	MDC	
		d	d ¹	s	l	PDC l ¹	MDC l ¹	r	DP			DM			
	CPMW-1.51.20.5	.187	.083	.078	.189	.087	--	.008	■	■					
	CPMW-1.51.21					.079	--	.016		■	■				
	CPMW-1.81.20.5	.219	.085	.078	.220	.094	--	.008	■	■					
	CPMW-1.81.21					.087	.087	.016		■	■		■		
	CPMW-1.81.50.5	.219	.085	.094	.220	.094	--	.008	■	■					
	CPMW-1.81.51					.087	.087	.016		■	■		■		
	CPMW-21.50.5	.250	.110	.094	.254	.134	--	.008	■	■					
	CPMW-21.51					.126	--	.016		■	■				
	CPMW-21.52					.118	.079	.031		■	■		■		
	CPMW-32.51	.375	.173	.156	.382	.169	--	.016		■	■				
	CPMW-32.52					.161	--	.031		■	■				
	CPMW-431	.500	.217	.187	.508	.169	--	.016		■	■				
	CPMW-432					.161	--	.031		■	■				

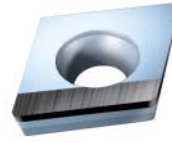


CPMW Neutral wiper edge

Insert	Designation	Dimensions									PDC-S	PDC	PDC-L	MDC	
		d	d ¹	s	l	PDC l ¹	MDC l ¹	r	DP			DM			
	CPMW-1.51.20.5W	.187	.083	.078	.191	.087	--	.008	■	■					
	CPMW-1.51.21W					.079	--	.016		■	■				
	CPMW-1.81.20.5W	.219	.085	.078	.217	.094	.087	.008	■	■			■		
	CPMW-1.81.21W					.083	--	.016		■	■				
	CPMW-1.81.50.5W	.219	.085	.094	.217	.094	.087	.008	■	■			■		
	CPMW-1.81.51W					.083	--	.016		■	■				
	CPMW-21.50.5W	.250	.110	.094	.254	.130	.091	.008	■	■			■		
	CPMW-21.51W					.122	--	.016		■	■				
	CPMW-32.50.5W					.173	--	.008		■	■				
	CPMW-32.51W	.375	.173	.156	.382	.165	--	.016		■	■				
	CPMW-430.5W					.173	--	.008		■	■				
	CPMW-431W	.500	.217	.187	.508	.165	--	.016		■	■				
	CPMW-431W					.165	--	.016		■	■				

Inserts - PCD & MDC

CPMW Right or left hand, whole edge

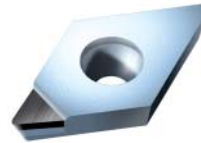


Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC	
		d	d'	s	l	l'	r	DM			DP	
	CPMW-1.81.21R/L-GS	.219	.098	.078	--	.220	.016		■			
	CPMW-1.81.51R/L-GS	.219	.098	.094	--	.220	.016		■			
	CPMW-21.51R/L-GS	.250	.110	.094	--	.254	.016		■			
	CPMW-21.52R/L-GS					.254	.031			■		
	CPMW-32.52R/L-GS	.375	.173	.156	--	.382	.031			■		
	CPMW-432R/L-GS	.500	.217	.187	--	.508	.031			■		

Right hand shown

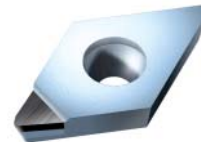
Ordering Example: 10 pcs. CPMW-1.81.21R-GS PDC (Right Hand)

DCMT Positive neutral



Insert	Designation	Dimensions								PDC-S	PDC	PDC-L	MDC		
		d	d'	s	l	PDC l'	MDC l'	r	DP			DM			
	DCMT-21.50	.250	.110	.094	.305	.150	--	.004		■					
	DCMT-21.50.5					.146	.102	.008		■	■			■	
	DCMT-21.51					.134	.091	.016			■				■
	DCMT-21.52					.118	.079	.031			■				■
	DCMT-32.50	.375	.173	.156	.457	.189	--	.004		■					
	DCMT-32.50.5					.185	.102	.008		■	■			■	
	DCMT-32.51					.169	.091	.016			■				■
	DCMT-32.52					.157	.079	.031				■			■
	DCMT-32.53					.142	--	.047				■			

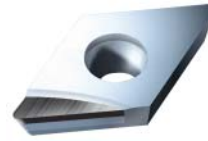
DCMT Right or left hand wiper edge 93° positive



Insert	Designation	Dimensions								PDC-S	PDC	PDC-L	MDC		
		d	d'	s	l	PDC l'	MDC l'	r	DP			DM			
	DCMT-21.50R/LW	.250	.110	.094	.305	.118	.079	.004		■				■	
	DCMT-21.50.5R/LW					.118	.079	.008		■				■	
	DCMT-21.51R/LW					.118	.079	.016			■				■
	DCMT-32.50R/LW	.375	.173	.156	.457	.157	.079	.004		■				■	
	DCMT-32.50.5R/LW					.157	.079	.008		■				■	
	DCMT-32.51R/LW					.157	.079	.016			■				■

Ordering Example: 10 pcs. CPMT-1.81.21R-GS PDC-S (Right Hand)

Inserts - PCD & MDC

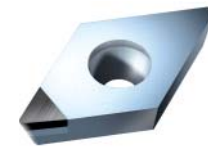


DCMT Right or left hand positive

Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC	
		d	d'	s	l	l'	r	DP			DM	
	DCMT-21.51R/L	.250	.110	.094	.305	.217	.016	■	■			
	DCMT-21.52R/L					.197	.031	■	■			
	DCMT-32.51R/L	.375	.173	.156	.457	.295	.016	■	■			
	DCMT-32.52R/L					.276	.031	■	■			
	DCMT-32.53R/L					.256	.047	■	■			

Right hand shown

Ordering Example: 10 pcs. DCMT-21.51R PDC-S (Right Hand)



DCMW Neutral

Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC		
		d	d'	s	l	PDC l'	MDC l'	r	DP			DM	
	DCMW-21.50	.250	.110	.094	.305	.150	.106	.004	■			■	
	DCMW-21.50.5					.146	.102	.008	■	■		■	
	DCMW-21.51					.134	.091	.016	■	■		■	
	DCMW-21.52					.118	.079	.031	■	■		■	
	DCMW-320.5	.375	.173	.125	.457	.185	--	.008		■			
	DCMW-321					.169	--	.016		■			
	DCMW-322	.375	.173	.156	.457	.157	--	.031		■			
	DCMW-32.50					.189	.106	.004	■			■	
	DCMW-32.50.5					.185	.102	.008	■	■		■	
	DCMW-32.51					.169	.091	.016	■	■		■	
	DCMW-32.52	.375	.173	.156	.457	.157	.079	.031	■	■		■	
	DCMW-32.53					.142	.071	.047	■	■		■	
	DCMW-431	.500	.217	.187	.610	.169	--	.016		■			
	DCMW-432					.157	--	.031		■			

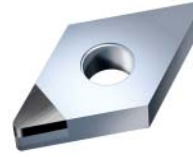
DCMW Right or left hand wiper edge 93°

Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC		
		d	d'	s	l	PDC l'	MDC l'	r	DP			DM	
	DCMW-21.50R/LW	.250	.110	.094	.305	.118	.079	.004	■			■	
	DCMW-21.50.5R/LW					.118	.079	.008	■			■	
	DCMW-21.51R/LW					.118	.079	.016	■			■	
	DCMW-32.50R/LW	.375	.173	.156	.457	.157	.079	.004	■			■	
	DCMW-32.50.5R/LW					.157	.079	.008	■			■	
	DCMW-32.51R/LW					.157	.079	.016	■			■	

Right hand shown

Ordering Example: 10 pcs. DCMW-21.50R PDC-S (Right Hand)

Inserts - PCD & MDC



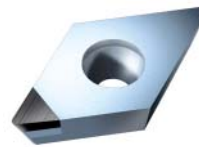
DNMA MW

Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC		
		d	d'	s	l	l'	r	DP			DM		
			DNMA-431-MW					.252	.016	■	■		
	DNMA-432-MW	.500	.202	.187	.610	.236	.031	■	■				
	DNMA-433-MW					.220	.047	■	■				
	DNMA-441-MW					.252	.016	■	■				
	DNMA-442-MW	.500	.202	.250	.610	.236	.031	■	■				
	DNMA-443-MW					.220	.047	■	■				



DNMM MW

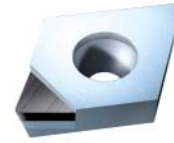
Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC		
		d	d'	s	l	l'	r	DP			DM		
			DNMM-431-MW					.252	.016	■			
	DNMM-432-MW	.500	.202	.187	.610	.236	.031	■					
	DNMM-433-MW					.220	.047	■					
	DNMM-441-MW					.252	.016	■					
	DNMM-442-MW	.500	.202	.250	.610	.236	.031	■					
	DNMM-443-MW					.220	.047	■					



DPMW Neutral

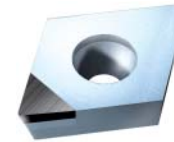
Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC		
		d	d'	s	l	l'	r	DP			DM		
			DPMW-21.50.5					.146	.008		■		
	DPMW-21.51	.250	.110	.094	.305	.134	.016		■				
	DPMW-21.52					.118	.031		■				
	DPMW-32.50.5					.185	.008		■				
	DPMW-32.51	.375	.173	.156	.457	.169	.016		■				
	DPMW-32.52					.157	.031		■				

Inserts - PCD & MDC



EPMT Positive neutral

Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC	
		d	d'	s	l	l'	r	DP			DM	
	EPMT-1.51.50.5	.187	.085	.094	.189	.094	.008		■			
	EPMT-1.51.51					.087	.016		■			
	EPMT-1.81.50.5	.219	.094	.094	.224	.118	.008		■			
	EPMT-1.81.51					.102	.016		■			
	EPMT-21.50.5	.250	.110	.094	.256	.134	.008		■			
	EPMT-21.51					.126	.016		■			
	EPMT-2.520.5	.313	.134	.125	.327	.134	.008		■			
	EPMT-2.521					.126	.016		■			
	EPMT-2.522					.118	.031		■			



EPMW Neutral

Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC	
		d	d'	s	l	l'	r					
	EPMW-1.51.50.5	.187	.085	.094	.189	.094	.008		■			
	EPMW-1.51.51					.087	.016		■			
	EPMW-1.81.50.5	.219	.094	.094	.224	.118	.008		■			
	EPMW-1.81.51					.102	.016		■			
	EPMW-21.50.5	.250	.110	.094	.256	.134	.008		■			
	EPMW-21.51					.126	.016		■			
	EPMW-2.520.5	.313	.134	.125	.327	.134	.008		■			
	EPMW-2.521					.126	.016		■			
	EPMW-2.522					.118	.031		■			

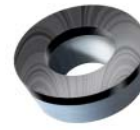


RCMW Fullface

Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC	
		d	d'	s	l	l'	r	DM			DP	
	RCMW-0602M0-VM	.236	.110	.094	--	--	--	■	■			
	RCMW-0803M0-VM	.315	.134	.125	--	--	--	■	■			
	RCMW-1003M0-VM	.394	.173	.125	--	--	--		■			
	RCMW-10T3M0-VM	.394	.173	.156	--	--	--		■			
	RCMW-1204M0-VM	.472	.173	.187	--	--	--		■			

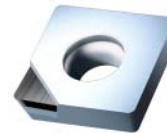
Inserts - PCD & MDC

RPMW Fullface



Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC			
		d	d'	s	l	l'	r	DP			DM			
	RPMW-0802M0-VM	.315	.134	.094	--	--	--		■					
	RPMW-1003M0-VM	.394	.173	.125	--	--	--		■					
	RPMW-1204M0-VM	.472	.173	.187	--	--	--		■					
	RPMW-43-VM	.500	.217	.187	--	--	--		■					

SCMT Positive neutral



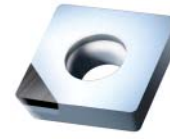
Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC			
		d	d'	s	l	l'	r	DP			DM			
	SCMT-32.51					.173	.016		■					
	SCMT-32.52	.375	.173	.156	.375	.169	.031		■					
	SCMT-32.53					.165	.047		■					
	SCMT-432	.500	.217	.187	.500	.169	.031		■					
	SCMT-433					.165	.047		■					

SCMT Whole edge positive neutral



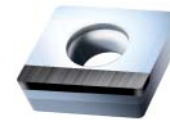
Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC			
		d	d'	s	l	l'	r	DP			DM			
	SCMT-32.52-GS	.375	.173	.156	--	.375	.031		■					
	SCMT-32.53-GS					.375	.047		■					
	SCMT-432-GS	.500	.217	.187	--	.500	.031		■					
	SCMT-433-GS					.500	.047		■					

Inserts - PCD & MDC



SCMW Neutral

Insert	Designation	Dimensions							PDC-S	PDC	PDC-L	MDC		
		d	d ¹	s	l	PDC l ¹	MDC l ¹	r	DP			DM		
	SCMW-32.51					.173	--	.016	■	■				
	SCMW-32.52	.375	.173	.156	.375	.169	.102	.031		■			■	
	SCMW-32.53					.165	.098	.047		■			■	
	SCMW-431					.173	--	.016	■	■				
	SCMW-432	.500	.217	.187	.500	.169	.102	.031		■			■	
	SCMW-433					.165	.098	.047		■			■	



SCMW Whole edge neutral

Insert	Designation	Dimensions							PDC-S	PDC	PDC-L	MDC		
		d	d ¹	s	l	l ¹	r							
	SCMW-32.51-GS					.375	.016				■			
	SCMW-32.52-GS	.375	.173	.156	--	.375	.031				■			
	SCMW-32.53-GS					.375	.047				■			
	SCMW-431-GS					.500	.016				■			
	SCMW-432-GS	.500	.217	.187	--	.500	.031				■			
	SCMW-433-GS					.500	.047				■			

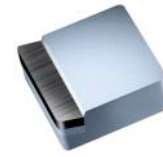


SNMN MW

Insert	Designation	Dimensions							PDC-S	PDC	PDC-L	MDC		
		d	d ¹	s	l	l ¹	r	DP			DM			
	SNMN-431-MW					.248	.016		■	■				
	SNMN-432-MW	.500	--	.187	.500	.244	.031		■	■				
	SNMN-433-MW					.236	.047		■	■				

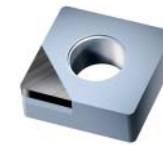
Inserts - PCD & MDC

SNMR Whole edge tipped, positive



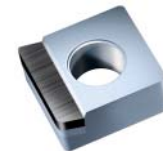
Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC		
		d	d'	s	l	l'	r	DP			DM		
	SNMR-432-GS					.500	.031	■					
	SNMR-433-GS	.500	--	.187	--	.500	.047	■					
	SNMR-434-GS					.500	.063	■					

SNMA MW



Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC		
		d	d'	s	l	l'	r	DP			DM		
	SNMA-431-MW					.248	.016	■	■				
	SNMA-432-MW	.500	.202	.187	.500	.244	.031	■	■				
	SNMA-433-MW					.236	.047	■	■				

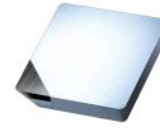
SNMM Whole edge tipped, positive



Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC		
		d	d'	s	l	l'	r	DP			DM		
	SNMM-432-GS					.500	.031	■					
	SNMM-433-GS	.500	.202	.187	--	.500	.047	■					
	SNMM-434-GS					.500	.063	■					

Inserts - PCD & MDC

SPGN Neutral



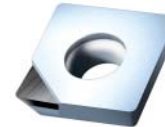
Insert	Designation	Dimensions							PDC-S	PDC	PDC-L	MDC		
		d	d ¹	s	l	PDC l ¹	MDC l ¹	r	DP			DM		
	SPGN-321	.375	--	.125	.375	.173	--	.016	■	■				
	SPGN-322					.169	.102	.031		■			■	
	SPGN-421					.173	--	.016	■	■				
	SPGN-422	.500	--	.125	.500	.169	.102	.031		■			■	
	SPGN-423					.165	--	.047		■				

SPGN Whole edge neutral



Insert	Designation	Dimensions							PDC-S	PDC	PDC-L	MDC		
		d	d ¹	s	l	l ¹	r	DP			DM			
	SPGN-321-GS	.375	--	.125	--	.375	.016			■	■			
	SPGN-322-GS					.375	.031			■	■			
	SPGN-422-GS	.500	--	.125	--	.500	.031			■	■			
	SPGN-423-GS					.500	.047			■	■			

SPMT Positive neutral



Insert	Designation	Dimensions							PDC-S	PDC	PDC-L	MDC		
		d	d ¹	s	l	l ¹	r	DP			DM			
	SPMT-32.51					.173	.016	■						
	SPMT-32.52	.375	.173	.156	.375	.169	.031	■						
	SPMT-32.53					.165	.047	■						
	SPMT-432	.500	.217	.187	.500	.169	.031	■						
	SPMT-433					.165	.047	■						

Inserts - PCD & MDC

SPMT Whole edge positive neutral



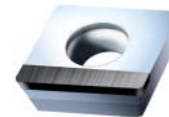
Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC		
		d	d'	s	l	l'	r	DM			DP		
	SPMT-32.52-GS	.375	.173	.156	--	.375	.031	■					
	SPMT-32.53-GS							■					
	SPMT-432-GS	.500	.217	.187	--	.500	.031	■					
	SPMT-433-GS							■					

SPMW Neutral



Insert	Designation	Dimensions								PDC-S	PDC	PDC-L	MDC	
		d	d'	s	l	PDC l	MDC l	r	DP			DM		
	SPMW-32.51					.173	--	.016	■	■				
	SPMW-32.52	.375	.173	.156	.375	.169	.102	.031		■			■	
	SPMW-32.53									■				
	SPMW-431					.173	--	.016	■	■				
	SPMW-432	.500	.217	.187	.500	.169	.102	.031		■			■	
	SPMW-433									■				

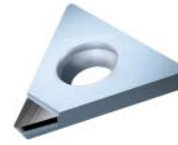
SPMW Whole edge neutral



Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC		
		d	d'	s	l	l'	r	DP			DM		
	SPMW-32.51-GS					.375	.016			■			
	SPMW-32.52-GS	.375	.173	.156	--	.375	.031			■			
	SPMW-32.53-GS									■			
	SPMW-431-GS									■			
	SPMW-432-GS	.500	.217	.187	--	.500	.031			■			
	SPMW-433-GS									■			

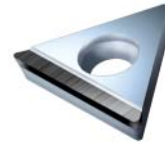
Inserts - PCD & MDC

TCMT Positive neutral



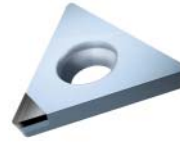
Insert	Designation	Dimensions							PDC-S	PDC	PDC-L	MDC	
		d	d'	s	l	PDC l'	MDC l'	r	DP			DM	
	TCMT-1.81.50.5					.146	.102	.008	■	■		■	
	TCMT-1.81.51	.219	.098	.094	.378	.134	.091	.016	■	■		■	
	TCMT-1.81.52					.118	.079	.031		■		■	
	TCMT-21.50.5					.146	.102	.008	■	■		■	
	TCMT-21.51	.250	.110	.094	.433	.134	.091	.016	■	■		■	
	TCMT-21.52					.118	.079	.031		■		■	
	TCMT-32.51	.375	.173	.156	.650	.181	--	.016	■	■			
	TCMT-32.52					.165	--	.031		■			

TCMT Whole edge positive neutral



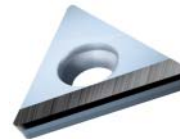
Insert	Designation	Dimensions							PDC-S	PDC	PDC-L	MDC	
		d	d'	s	l	l'	r	DP			DM		
	TCMT-1.81.51-GS	.219	.098	.094	--	.378	.016	■					
	TCMT-1.81.52-GS					.378	.031	■					
	TCMT-21.51-GS					.433	.016	■					
	TCMT-21.52-GS	.250	.110	.094	--	.433	.031	■					
	TCMT-21.53-GS					.433	.047	■					
	TCMT-32.51-GS					.650	.016	■					
	TCMT-32.52-GS	.375	.173	.156	--	.650	.031	■					
	TCMT-32.53-GS					.650	.047	■					

Inserts - PCD & MDC



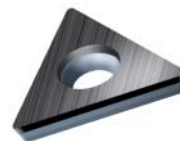
TCMW Neutral

Insert	Designation	Dimensions							PDC-S	PDC	PDC-L	MDC	
		d	d'	s	l	PDC l'	MDC l'	r	DP			DM	
	TCMW-1.81.50.5					.146	.102	.008	■	■		■	
	TCMW-1.81.51	.219	.098	.094	.378	.134	.091	.016	■	■		■	
	TCMW-1.81.52					.118	.079	.031		■		■	
	TCMW-21.50.5					.146	.102	.008	■	■		■	
	TCMW-21.51	.250	.110	.094	.433	.134	.091	.016	■	■		■	
	TCMW-21.52					.118	.079	.031		■		■	
	TCMW-32.51					.181	.091	.016		■		■	
	TCMW-32.52	.375	.173	.156	.650	.165	.079	.031		■		■	
	TCMW-32.53					.150	.071	.047		■		■	



TCMW Whole edge neutral

Insert	Designation	Dimensions							PDC-S	PDC	PDC-L	MDC	
		d	d'	s	l	l'	r	DP			DM		
	TCMW-1.81.51-GS					.378	.016				■		
	TCMW-1.81.52-GS	.219	.098	.094	--	.378	.031				■		
	TCMW-21.51-GS					.433	.016				■		
	TCMW-21.52-GS	.250	.110	.094	--	.433	.031				■		
	TCMW-21.53-GS					.433	.047				■		
	TCMW-32.51-GS					.650	.016				■		
	TCMW-32.52-GS	.375	.173	.156	--	.650	.031				■		
	TCMW-32.53-GS					.650	.047				■		

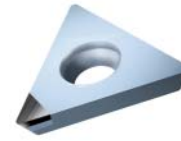


TCMW Fullface

Insert	Designation	Dimensions							PDC-S	PDC	PDC-L	MDC	
		d	d'	s	l	l'	r	DP			DM		
	TCMW-21.50.5-VM					.433	.008		■	■			
	TCMW-21.51-VM	.250	.110	.094	--	.433	.016		■	■			
	TCMW-21.52-VM					.433	.031		■	■			

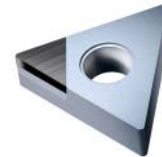
Inserts - PCD & MDC

TPGA Neutral



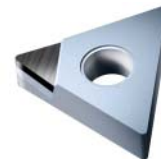
Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC	
		d	d ¹	s	l	l ¹	r	DP			DM	
	TPGA-220.5					.146	.008		■			
	TPGA-221	.250	.134	.125	.433	.134	.016		■			
	TPGA-222					.118	.031		■			

TNMA MW



Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC	
		d	d ¹	s	l	l ¹	r	DP			DM	
	TNMA-331-MW					.244	.016	■	■			
	TNMA-332-MW	.375	.150	.187	.650	.228	.031	■	■			
	TNMA-333-MW					.213	.047	■	■			
	TNMA-432-MW	.500	.202	.187	.866	.228	.031	■	■			
	TNMA-433-MW					.213	.047	■	■			

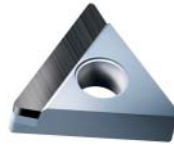
TNMM MW



Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC	
		d	d ¹	s	l	l ¹	r	DP			DM	
	TNMM-331-MW					.244	.016	■				
	TNMM-332-MW	.375	.150	.187	.650	.228	.031	■				
	TNMM-333-MW					.213	.047	■				
	TNMM-432-MW	.500	.202	.187	.866	.228	.031	■				
	TNMM-433-MW					.213	.047	■				

Inserts - PCD & MDC

TNMM Whole edge tipped



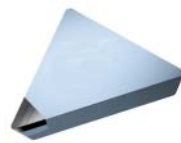
Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC	
		d	d'	s	l	l'	r	DP			DM	
	TNMM-332-GS					.650	.031	■				
	TNMM-333-GS	.375	.150	.187	--	.650	.047	■				
	TNMM-334-GS					.650	.063	■				
	TNMM-432-GS	.500	.202	.187	--	.866	.031	■				
	TNMM-433-GS					.866	.047	■				

TNMR Whole edge tipped



Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC	
		d	d'	s	l	l'	r	DP			DM	
	TNMR-332-GS					.650	.031	■				
	TNMR-333-GS	.375	--	.187	--	.650	.047	■				

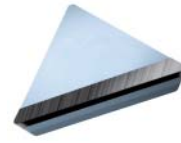
TPGN Neutral



Insert	Designation	Dimensions								PDC-S	PDC	PDC-L	MDC	
		d	d'	s	l	PDC l	MDC l	l'	r					
	TPGN-1.81.51					.134	--	.016			■			
	TPGN-1.81.52	.219	--	.094	.378	.118	--	.031			■			
	TPGN-21.51					.134	--	.016			■			
	TPGN-21.52	.250	--	.094	.433	.118	--	.031			■			
	TPGN-220.5					.146	.102	.008			■	■		■
	TPGN-221	.250	--	.125	.433	.134	.091	.016			■	■		■
	TPGN-222					.118	.079	.031			■	■		■
	TPGN-321					.181	.091	.016			■	■		■
	TPGN-322	.375	--	.125	.650	.165	.079	.031			■	■		■
	TPGN-323					.150	.071	.047			■	■		■

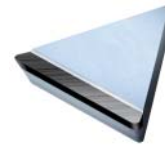
Inserts - PCD & MDC

TPGN Whole edge neutral



Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC	
		d	d ¹	s	l	l ¹	r	DP			DM	
	TPGN-221-GS					.433	.016			■		
	TPGN-222-GS	.250	--	.125	--	.433	.031			■		
	TPGN-223-GS					.433	.047			■		
	TPGN-321-GS					.650	.016			■		
	TPGN-322-GS	.375	--	.125	--	.650	.031			■		
	TPGN-323-GS					.650	.047			■		

TPMR Whole edge positive neutral



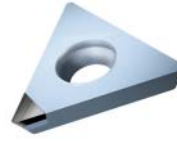
Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC	
		d	d ¹	s	l	l ¹	r	DP			DM	
	TPMR-221-GS					.433	.016	■				
	TPMR-222-GS	.250	--	.125	--	.433	.031	■				
	TPMR-223-GS					.433	.047	■				
	TPMR-321-GS					.650	.016	■				
	TPMR-322-GS	.375	--	.125	--	.650	.031	■				
	TPMR-323-GS					.650	.047	■				

TPMT Whole edge positive neutral



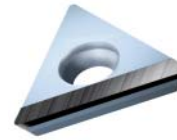
Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC	
		d	d ¹	s	l	l ¹	r	DP			DM	
	TPMT-1.51.51-GS				--	.323	.016	■				
	TPMT-1.51.52-GS	.187	.087	.094	--	.323	.031	■				
	TPMT-1.81.51-GS				--	.378	.016	■				
	TPMT-1.81.52-GS	.219	.098	.094	--	.378	.031	■				
	TPMT-21.51-GS				--	.433	.016	■				
	TPMT-21.52-GS	.250	.110	.094	--	.433	.031	■				
	TPMT-221-GS				--	.433	.016	■				
	TPMT-222-GS	.250	.110	.125	--	.433	.031	■				
	TPMT-332-GS	.375	.173	.187	--	.650	.031	■				

Inserts - PCD & MDC



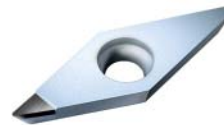
TPMW Neutral

Insert	Designation	Dimensions							PDC-S	PDC	PDC-L	MDC		
		d	d'	s	l	PDC l'	MDC l'	r	DP			DM		
	TPMW-1.51.51	.187	.087	.094	.323	.106	--	.016		■				
	TPMW-1.81.51	.219	.098	.094	.378	.134	--	.016		■				
	TPMW-1.81.52					.118	--	.031		■				
	TPMW-21.50.5					.146	.102	.008		■			■	
	TPMW-21.51	.250	.110	.094	.433	.134	.091	.016		■			■	
	TPMW-21.52					.118	.079	.031		■			■	
	TPMW-220.5					.146	.102	.008		■			■	
	TPMW-221	.250	.110	.125	.433	.134	.091	.016		■			■	
	TPMW-222					.118	.079	.031		■			■	



TPMW Whole edge neutral

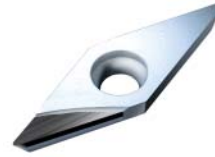
Insert	Designation	Dimensions							PDC-S	PDC	PDC-L	MDC	
		d	d'	s	l	l'	r	DP			DM		
	TPMW-1.51.51	.187	.087	.094	--	.323	.016			■			
	TPMW-1.81.51	.219	.098	.094	--	.378	.016			■			
	TPMW-21.51	.250	.110	.094	--	.433	.016			■			
	TPMW-21.52					.433	.031			■			
	TPMW-221	.250	.110	.125	--	.433	.016			■			



VBMT Positive neutral

Insert	Designation	Dimensions							PDC-S	PDC	PDC-L	MDC		
		d	d'	s	l	PDC l'	MDC l'	r	DP			DM		
	VBMT-21.50					.213	--	.004		■				
	VBMT-21.50.5					.181	.138	.008		■	■		■	
	VBMT-21.51	.250	.114	.094	.437	.154	.118	.016		■	■		■	
	VBMT-21.52					.130	--	.031			■			
	VBMT-330.5					.232	--	.008		■	■			
	VBMT-331	.375	.173	.187	.654	.217	.118	.016		■	■		■	
	VBMT-332					.197	--	.031			■			

Inserts - PCD & MDC

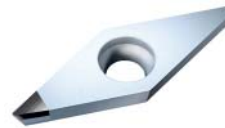


VBMT Right or left hand positive

Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC	
		d	d'	s	l	l'	r	DP			DM	
	VBMT-21.51R/L	.250	.114	.094	.437	.256	.016	■	■			
	VBMT-21.52R/L					.236	.031	■	■			
	VBMT-331R/L					.295	.016	■	■			
	VBMT-332R/L	.375	.173	.187	.654	.276	.031	■	■			
	VBMT-333R/L					.276	.047	■	■			

Right hand shown

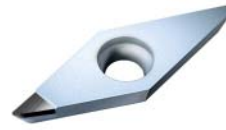
Ordering Example: 10 pcs. VBMT-21.51 R PDC-S (Right Hand)



VBMW Neutral

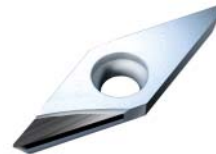
Insert	Designation	Dimensions									PDC-S	PDC	PDC-L	MDC	
		d	d'	s	l	PDC l'	MDC l'	r	DP			DM			
	VBMW-21.50.5					.181	--	.008			■	■			
	VBMW-21.51	.250	.114	.094	.437	.154	.118	.016			■			■	
	VBMW-21.52					.130	--	.031			■				
	VBMW-330.5					.232	--	.008			■	■			
	VBMW-331					.217	.118	.016				■			■
	VBMW-332	.375	.173	.187	.654	.197	--	.031				■			
	VBMW-333					.173	--	.047				■			

Inserts - PCD & MDC



VCMT Positive neutral

Insert	Designation	Dimensions							PDC-S	PDC	PDC-L	MDC		
		d	d'	s	l	PDC l'	MDC l'	r	DP			DM		
	VCMT-1.21.50					.150	--	.004	■					
	VCMT-1.21.50.5	.156	.087	.094	.272	.142	.118	.008	■	■			■	
	VCMT-1.21.51					.126	.110	.016	■	■			■	
	VCMT-220					.213	--	.004	■	■				
	VCMT-220.5	.250	.114	.125	.437	.181	.138	.008	■	■			■	
	VCMT-221					.154	.118	.016	■	■			■	
	VCMT-222					.130	.118	.031		■			■	
	VCMT-2.520.5	.313	.134	.125	.524	.232	--	.008	■	■				
	VCMT-2.521					.217	--	.016		■				
	VCMT-330					.236	--	.004	■	■				
	VCMT-330.5					.232	.138	.008	■	■			■	
	VCMT-331	.375	.173	.187	.654	.217	.118	.016	■	■			■	
	VCMT-332					.197	.118	.031		■			■	
	VCMT-333					.177	--	.047		■				



VCMT Right or left hand positive

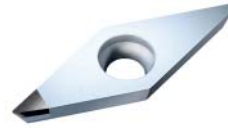
Insert	Designation	Dimensions							PDC-S	PDC	PDC-L	MDC	
		d	d'	s	l	l'	r	DP			DM		
	VCMT-221R/L	.250	.114	.125	.437	.256	.016	■	■				
	VCMT-222R/L					.236	.031	■	■				
	VCMT-331R/L					.295	.016	■	■				
	VCMT-332R/L	.375	.173	.187	.654	.276	.031	■	■				
	VCMT-333R/L					.276	.047	■	■				

Right hand shown

Ordering Example: 10 pcs. VCMT-221R PDC-S (Right Hand)

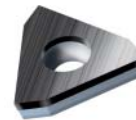
Inserts - PCD & MDC

VCMW Neutral



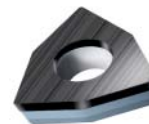
Insert	Designation	Dimensions							PDC-S	PDC	PDC-L	MDC		
		d	d ¹	s	l	PDC l ¹	MDC l ¹	r	DP			DM		
	VCMW-1.21.50					.150	--	.004	■					
	VCMW-1.21.50.5	.156	.087	.094	.272	.142	.118	.008	■	■			■	
	VCMW-1.21.51					.126	.110	.016	■	■			■	
	VCMW-220					.213	--	.004	■					
	VCMW-220.5					.181	.138	.008	■	■			■	
	VCMW-221	.250	.114	.125	.437	.154	.118	.016	■	■			■	
	VCMW-222					.130	.118	.031		■			■	
	VCMW-2.520.5					.232	--	.008	■	■				
	VCMW-2.521	.313	.134	.125	.524	.217	--	.016		■				
	VCMW-330					.236	--	.004	■					
	VCMW-330.5					.232	.138	.008	■	■			■	
	VCMW-331					.217	.118	.016	■	■			■	
	VCMW-332					.197	.118	.031	■	■			■	
	VCMW-333					.177	.118	.047	■	■			■	
	VCMW-334					.157	--	.063		■				

WBGW Fullface left hand



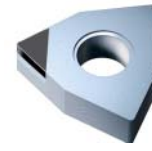
Insert	Designation	Dimensions							PDC-S	PDC	PDC-L	MDC		
		d	d ¹	s	l	l ¹	r	DP			DM			
	WBGW-1.210.5L-VM						.189	.008		■				
	WBGW-1.211L-VM	.156	.091	.062	--			.016		■				

WCGW Fullface



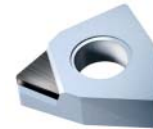
Insert	Designation	Dimensions							PDC-S	PDC	PDC-L	MDC		
		d	d ¹	s	l	l ¹	r	DP			DM			
	WCGW-1.210.5-VM						.106	.008		■				
	WCGW-1.211-VM	.156	.091	.062	--			.016		■				

Inserts - PCD & MDC



WNMA_{MW}

Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC		
		d	d'	s	l	l'	r	DP			DM		
	WNMA-431-MW					.248	.016	■	■				
	WNMA-432-MW	.500	.202	.187	.335	.236	.031	■	■				
	WNMA-433-MW					.224	.047	■	■				



WNMM_{MW}

Insert	Designation	Dimensions						PDC-S	PDC	PDC-L	MDC		
		d	d'	s	l	l'	r	DP			DM		
	WNMM-431-MW					.248	.016	■					
	WNMM-432-MW	.500	.202	.187	.335	.236	.031	■					
	WNMM-433-MW					.224	.047	■					