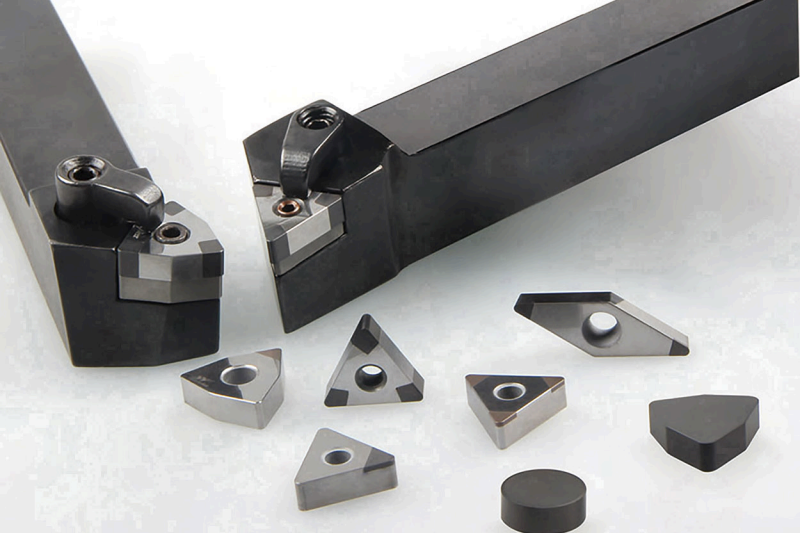




PCD Inserts



PCBN Inserts



SCT CO., LTD.

www.special-cutting-tools.com

PCBN Carbide Inserts PCBN 立方氮化硼刀片

Descriptions of PCBN Insert Numbers PCBN 立方氮化硼刀片型号编制说明

PCBN-	T	N	M	G	22	04	08	E	N
1	2	3	4	5	6	7	8	9	10

1. Material Code 材料编码

Material 材料	Workpiece Material 加工范围	Sourcing 备注
PCBN1	Quenched Steel 淬火钢	Import 进口
PCBN2	Casting Iron 铸铁	Import 进口
PCD1	Aluminum 铝	Import 进口
PCD2	Silicon-Aluminum 硅铝	Import 进口
PCBN3	Quenched Steel 淬火钢	China 国产
PCBN4	Casting Iron 铸铁	China 国产
PCD3	Aluminum 铝	China 国产
PCD4	Silicon-Aluminum 硅铝	China 国产

2. Insert Geometries 刀片形状代号

	C		D
	R		S
	T		V
	W	Others 其他形状	X

4. Insert Tolerance Class (mm) 刀片精度代号 (毫米)

	m	d	s
A	±0.005	±0.025	±0.025
C	±0.013	±0.025	±0.025
G	±0.025	±0.025	±0.13
M	±0.08 ~ ±0.18	±0.05 ~ ±0.13	±0.13
N	±0.08 ~ ±0.18	±0.05 ~ ±0.13	±0.025
U	±0.13 ~ ±0.38	±0.08 ~ ±0.25	±0.13

3. Normal Clearance Symbol 后角代号

B	C
D	E
N	P
O Others 其他后角	

6. Cutting Edge Length (mm) 切削刃长度 (毫米)

C	D	S	T	V	W	R	Diameter Inscribed Circle 内切圆直径 (mm)
05	06	05	09		03		3.97
						06	5.56
06	07	06	11	11	04		6.00
						08	8.00
09	11	09	16	16	06		9.525
						10	10.00
						12	12.00
12	15	12	22	19	08		12.7
16	19	15	27		10		15.857
19		19			13		19.05

9. Honing Geometries 刃口钝化代号

F	Sharp 尖锐刀口
E	Round 倒圆刀口
T	Chamfered 倒棱刀口
S	Chamfered and Round 既倒棱又倒圆刀口

10. Hand of Inserts 刀片切削方向代号

R	Right Hand 右手方向
L	Left Hand 左手方向
N	Left & Right 左右手方向

5. Symbol of Chip Breaker 刀片有断屑及中心固定孔代号

A	M
G	R
N	W
T	X Specials 特殊

7. Insert Thickness (mm) 刀片厚度代号 (毫米)

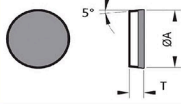
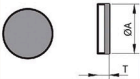
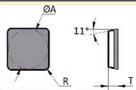
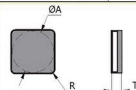
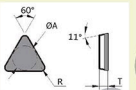
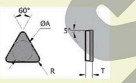
01	1.59
02	2.38
03	3.18
T3	3.97
04	4.76
06	6.35
07	7.94
09	9.52

8. Corner Radius (mm) 刀尖半径代号 (毫米)

00	0
02	0.2
04	0.4
08	0.8
12	1.2
16	1.6
20	2.0
MO	Round Insert 圆形刀片

PCBN Carbide Inserts PCBN 立方氮化硼刀片

PCBN Insert Numbers PCBN 立方氮化硼刀片型号

Insert Shape 刀片形状	Insert Numbers 订货代号 (ONE SIDE / 一个面)	Dimensions (mm)		尺寸 (mm)	
		内接圆 A	Thickness 厚度 T	刀尖圆弧 R	孔径 D
	PCBN-RBGN0803MO	8.0	3.18	-	-
	PCBN-RBGN0903MO	9.525	3.18	-	
	PCBN-RBGN1003MO	10.0	3.18	-	
	PCBN-RBGN1203MO	12.7	3.97	-	
	PCBN-RBGN1303MO	13	3.97	-	
	PCBN-RNGN0803MO	8.0	3.18	-	-
	PCBN-RNGN0903MO	9.525	3.18	-	
	PCBN-RNGN1003MO	10.0	3.18	-	
	PCBN-RNGN1203MO	12.7	3.97	-	
	PCBN-SPMN090304	9.525	3.18	0.4	-
	PCBN-SPMN090308			0.8	
	PCBN-SPMN090312			1.2	
	PCBN-SNMN090304	9.525	3.18	0.4	-
	PCBN-SNMN090308			0.8	
	PCBN-SNMN090312			1.2	
	PCBN-TPMN090304	5.56	3.18	0.4	-
	PCBN-TPMN090308	6.35		0.8	
	PCBN-TPMN110304			0.4	
	PCBN-TPMN110308			0.8	
	PCBN-TBMN060102	3.97	1.6	0.2	-
	PCBN-TBMN060104			0.4	
	PCBN-TBMN060108			0.8	



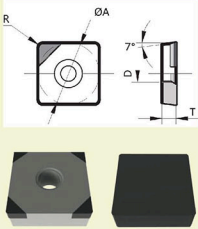
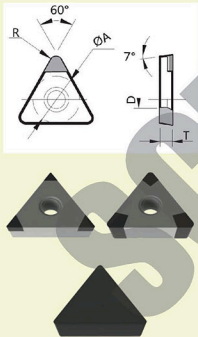


PCBN Carbide Inserts

PCBN 立方氮化硼刀片

PCBN Insert Numbers

PCBN 立方氮化硼刀片型号

Insert Shapes 刀片形状	Insert Numbers 订货代号	Dimensions (mm)		尺寸 (mm)	
		Inscribed Circle 内接圆	Thickness 厚度	Corner Radius 刀尖圆弧	Hole Dia 孔径
	PCBN-SCGW070202	7.94	2.38	0.2	3.4
	PCBN-SCGW070204			0.4	
	PCBN-SCGW090304	9.525	3.18	0.4	4.4
	PCBN-SCGW090308			0.8	
	PCBN-SCGW090312			1.2	
	PCBN-SCGW09T304			0.4	
	PCBN-SCGW09T308		3.97	0.8	
	PCBN-SCGW09T312			1.2	
	PCBN-SCGW120402	12.7	4.76	0.4	4.4
	PCBN-SCGW120408			0.8	
	PCBN-SCGW120412			1.2	
	PCBN-TCGW080202	4.76	2.38	0.2	2.4
	PCBN-TCGW080204			0.4	
	PCBN-TCGW080208			0.8	
	PCBN-TCGW090202	5.56	2.38	0.2	2.4
	PCBN-TCGW090204			0.4	
	PCBN-TCGW090208			0.8	
	PCBN-TCGW110202	6.35	2.38	0.2	2.8
	PCBN-TCGW110204			0.4	
	PCBN-TCGW110208			0.8	
	PCBN-TCGW110304	6.35	3.18	0.4	2.8
	PCBN-TCGW110308			0.8	
	PCBN-TCGW160308	9.525	3.18	0.8	4.4
	PCBN-TCGW16T308		3.97		
	PCBN-TCGW160408		4.76		



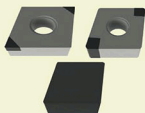
PCBN Carbide Inserts

PCBN 立方氮化硼刀片

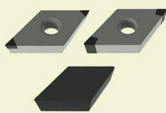
PCBN Insert Numbers

PCBN 立方氮化硼刀片型号

Insert Shapes 刀片形状	Insert Numbers 订货代号	Dimensions (mm) 尺寸 (mm)			
		Inscribed Circle 内接圆	Thickness 厚度	Corner Radius 刀尖圆弧	Hole Dia 孔径
	PCBN-CCGW060202	6.35	2.38	0.2	2.8
	PCBN-CCGW060204			0.4	
	PCBN-CCGW090304	9.525	3.18	0.4	4.4
	PCBN-CCGW090308			0.8	
	PCBN-CCGW120404	12.7	4.76	0.4	5.6
	PCBN-CCGW120408			0.8	
	PCBN-DCGW070202	6.35	2.38	0.2	2.8
	PCBN-DCGW070204			0.4	
	PCBN-DCGW070208			0.8	
	PCBN-CCGW110302	9.525	3.18	0.2	4.4
	PCBN-CCGW110304			0.4	
	PCBN-CCGW110308			0.8	
	PCBN-CCGW150402	12.7	3.97	0.2	5.6
	PCBN-CCGW150404			0.4	
	PCBN-CCGW150408			0.8	
	PCBN-VCGW110302	6.35	3.18	0.2	3.3
	PCBN-VCGW110304			0.4	
	PCBN-VCGW110308			0.8	
	PCBN-VCGW160404	9.525	4.76	0.4	
	PCBN-VCGW160408			0.8	
	PCBN-TNMA110302	6.35	2.38	0.2	2.8
	PCBN-TNMA 110304			0.4	
	PCBN-TNMA 110308			0.8	
	PCBN-TNMA160404	9.525	4.76	0.4	3.8
	PCBN-TNMA160408			0.8	
	PCBN-TNMA160412			1.2	
	PCBN-TNMA220408	12.7	4.76	0.8	5.2
	PCBN-TNMA220412			1.2	



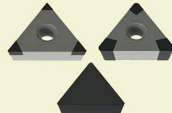
CCGW (Rhombic 80°)



DCGW (Rhombic 55°)



VCGW (Rhombic 35°)



TNMA (Triangle 60°)

PCBN Carbide Inserts PCBN 立方氮化硼刀片

PCBN Insert Numbers PCBN 立方氮化硼刀片型号

Insert Shapes 刀片形状	Insert Numbers 订货代号	Dimensions (mm) 尺寸 (mm)			
		Inscribed Circle 内接圆	Thickness 厚度	Corner Radius	Hole Dia 孔径
	PCBN-SNMA120404	12.7	4.76	0.4	5.2
	PCBN-SNMA120408			0.8	
	PCBN-SNMA120412			1.2	
	PCBN-SNMA150604	15.875	6.35	0.4	6.35
	PCBN-SNMA150608			0.8	
	PCBN-SNMA150612			1.2	
	PCBN-CNMA120404	12.7	4.76	0.4	5.2
	PCBN-CNMA120408			0.8	
	PCBN-CNMA120412			1.2	
	PCBN-DNMA150404	12.7	4.76	0.4	5.2
	PCBN-DNMA150408			0.8	
	PCBN-DNMA150412			1.2	
	PCBN-VNMA160404	9.525	4.76	0.4	3.2
	PCBN-VNMA160408			0.8	
	PCBN-VNMA220408	12.7		0.8	5.2
	PCBN-WNMA080404	12.7	4.76	0.4	4.3
	PCBN-WNMA080408			0.8	
	PCBN-WNMA080412			1.2	
	PCBN-SNGN090304	9.525	3.18	0.4	
	PCBN-SNGN090308			0.8	
	PCBN-SNGN090312			1.2	
	PCBN-SNGN09T304		3.97	0.4	
	PCBN-SNGN09T308			0.8	
	PCBN-SNGN09T312			1.2	
	PCBN-SNGN120408	12.7	4.76	0.8	
	PCBN-SNGN120412			1.2	



SNMA (Square 90°)



CNMA (Rhombic 80°)



DNMA (Rhombic 55°)



VNMA (Rhombic 35°)



WNMA (Trigon 80°)



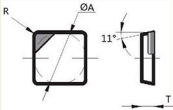
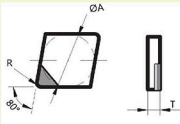
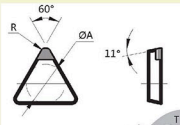
SNGN (Square 90°)

PCBN Carbide Inserts

PCBN 立方氮化硼刀片

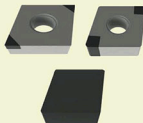
PCBN Insert Numbers

PCBN 立方氮化硼刀片型号

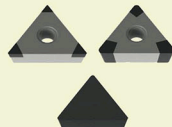
Insert Shapes 刀片形状	Insert Numbers 订货代号	Dimensions (mm)			尺寸 (mm)				
		Inscribed Circle 内接圆	A	Thickness 厚度	T	Corner Radius 刀尖圆弧	R	Hole Dia 孔径	D
	PCBN-SPGN090304	9.525		3.18		0.4			
	PCBN-SPGN090308					0.8			
	PCBN-SPGN090312					1.2			
	PCBN-SPGN120308	12.7		3.18		0.8			
	PCBN-SPGN120312					1.2			
	PCBN-CNGN090304	9.525		3.18		0.4			
	PCBN-CNGN090308					0.8			
	PCBN-CNGN090312					1.2			
	PCBN-CNGN120404	12.7		4.76		0.4			
	PCBN-CNGN120408					0.8			
	PCBN-CNGN120412					1.2			
	PCBN-TPGN090204	5.56		2.38		0.4			
	PCBN-TPGN110304	6.35		3.18		0.4			
	PCBN-TPGN110308					0.8			
	PCBN-TPGN160404	9.525		4.76		0.4			
	PCBN-TPGN160408					0.8			
	PCBN-TPGN220408	12.7				0.8			



SPGN (Square 90°)



CNGN (Rhombic 80°)



TPGN (Triangle 60°)

■ Production Equipment 生产设备



■ Inspection Devices 检测设备



■ Ready Parts for Shipment 成品待运



■ Convenient Shipment 便捷运输



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