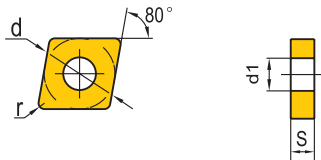


PCBN Inserts series

CN..



Model	Size (mm)		
	d	s	d1
CN..0903..	9.525	3.18	3.18
CN..1204..	12.7	4.76	5.16
CN..1606..	15.88	6.35	6.35
CN..1906..	19.05	6.35	7.94
CN..2509..	25.4	9.53	9.12

Insert shape	Model	Insert grades and application											
		r	T01725	S01725	KBN100	KBN95S2	KBN95N	KBN800	KBN700	KBN650	KBN630	KBN600	KBN500
	4NU-CNGA120404	0.4	○	○			●		●				
	4NU-CNGA120408	0.8	○	○			●		●				
	4NU-CNGA120412	1.2	○	○			●		●				
	2NU-CNGA120404	0.4	○	○			●		●				
	2NU-CNGA120408	0.8	○	○			●		●				
	2NU-CNGA120412	1.2	○	○			●		●				
	CNGA120404	0.4	○	○			●		●				
	CNGA120408	0.8	○	○			●		●				
	CNGA120412	1.2	○	○			●		●				
Cast Iron					★	★	★	★					
Heat Resistant Alloy													
Hardened Steel									★	★	★	★	★

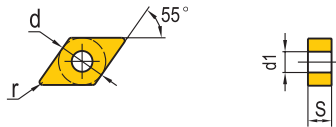
★ Preferred

☆ optional

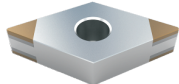
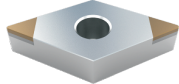
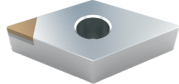
● standard stock

○ order production

DN..



Model	Size (mm)		
	d	s	d1
DN..1104..	9.525	4.76	3.81
DN..1504..	12.7	4.76	5.16
DN..1506..	12.7	6.35	5.16

Insert shape	Model	Insert grades and application											
		r	T01725	S01725	KBN100	KBN95S2	KBN95N	KBN800	KBN700	KBN650	KBN630	KBN600	KBN500
	4NU-DNGA150404	0.4	○	○			●		●				
	4NU-DNGA150408	0.8	○	○			●		●				
	4NU-DNGA150412	1.2	○	○			●		●				
	4NU-DNGA150604	0.4	○	○			●		●				
	4NU-DNGA150608	0.8	○	○			●		●				
	4NU-DNGA150612	1.2	○	○			●		●				
	2NU-DNGA150404	0.4	○	○			●		●				
	2NU-DNGA150408	0.8	○	○			●		●				
	2NU-DNGA150412	1.2	○	○			●		●				
	2NU-DNGA150604	0.4	○	○			●		●				
	2NU-DNGA150608	0.8	○	○			●		●				
	2NU-DNGA150612	1.2	○	○			●		●				
	DNGA150404	0.4	○	○			●		●				
	DNGA150408	0.8	○	○			●		●				
	DNGA150412	1.2	○	○			●		●				
	DNGA150604	0.4	○	○			●		●				
	DNGA150608	0.8	○	○			●		●				
	DNGA150612	1.2	○	○			●		●				
Cast Iron					★	★	★	★					
Heat Resistant Alloy													
Hardened Steel									★	★	★	★	★

★ Preferred

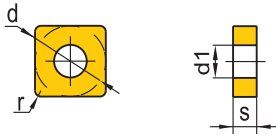
☆ optional

● standard stock

○ order production

PCBN Inserts series

SN..



Model	Size (mm)		
	d	s	d1
SN..1204..	12.7	4.76	5.16
SN..1506..	15.88	6.35	6.35
SN..1906..	19.05	6.35	7.94
SN..2509..	25.4	9.53	9.12

Insert shape	Model	Insert grades and application											
		r	T01725	S01725	KBN100	KBN95S2	KBN95N	KBN800	KBN700	KBN650	KBN630	KBN600	KBN500
	8NU-SNGA120404	0.4	○	○			●		●				
	8NU-SNGA120408	0.8	○	○			●		●				
	8NU-SNGA120412	1.2	○	○			●		●				
	2NU-SNGA120404	0.4	○	○			●		●				
	2NU-SNGA120408	0.8	○	○			●		●				
	2NU-SNGA120412	1.2	○	○			●		●				
	SNGA120404	0.4	○	○			●		●				
	SNGA120408	0.8	○	○			●		●				
	SNGA120412	1.2	○	○			●		●				
Cast Iron					★	★	★	★					
Heat Resistant Alloy													
Hardened Steel									★	★	★	★	★

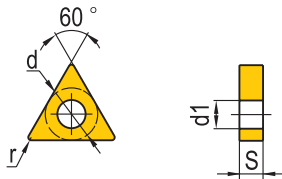
★ Preferred

☆ optional

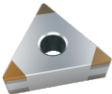
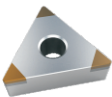
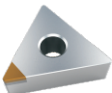
● standard stock

○ order production

TN..



Model	Size (mm)		
	d	s	d1
TN..1604..	9.525	4.76	3.81
TN..2204..	12.7	4.76	5.16

Insert shape	Model	Insert grades and application											
		r	T01725	S01725	KBN100	KBN95S2	KBN95N	KBN800	KBN700	KBN650	KBN630	KBN600	KBN500
	6NU-TNGA160404	0.4	○	○			●		●				
	6NU-TNGA160408	0.8	○	○			●		●				
	6NU-TNGA160412	1.2	○	○			●		●				
	3NU-TNGA160404	0.4	○	○			●		●				
	3NU-TNGA160408	0.8	○	○			●		●				
	3NU-TNGA160412	1.2	○	○			●		●				
	TNGA160404	0.4	○	○			●		●				
	TNGA160408	0.8	○	○			●		●				
	TNGA160412	1.2	○	○			●		●				
Cast Iron					★	★	★	★					
Heat Resistant Alloy													
Hardened Steel									★	★	★	★	★

★ Preferred

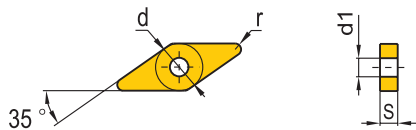
☆ optional

● standard stock

○ order production

PCBN Inserts series

VN..



Model	Size (mm)		
	d	s	d1
VN..1604..	9.525	4.76	3.81

Insert shape	Model	Insert grades and application											
		r	T01725	S01725	KBN100	KBN95S2	KBN95N	KBN800	KBN700	KBN650	KBN630	KBN600	KBN500
	4NU-VNGA160404	0.4	○	○			●		●				
	4NU-VNGA160408	0.8	○	○			●		●				
	4NU-VNGA160412	1.2	○	○			●		●				
	2NU-VNGA160404	0.4	○	○			●		●				
	2NU-VNGA160408	0.8	○	○			●		●				
	2NU-VNGA160412	1.2	○	○			●		●				
	VNGA160404	0.4	○	○			●		●				
	VNGA160408	0.8	○	○			●		●				
	VNGA160412	1.2	○	○			●		●				
Cast Iron					★	★	★	★					
Heat Resistant Alloy													
Hardened Steel									★	★	★	★	★

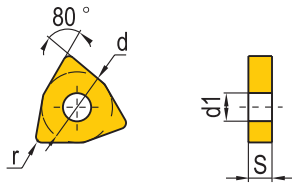
★ Preferred

☆ optional

● standard stock

○ order production

WN..



Model	Size (mm)		
	d	s	d1
WN..0604..	9.525	4.76	3.81
WN..0804..	12.7	4.76	5.16

Insert shape	Model	Insert grades and application											
		r	T01725	S01725	KBN100	KBN95S2	KBN95N	KBN800	KBN700	KBN650	KBN630	KBN600	KBN500
	6NU-WNGA080404	0.4	○	○			●		●				
	6NU-WNGA080408	0.8	○	○			●		●				
	6NU-WNGA080412	1.2	○	○			●		●				
	3NU-WNGA080404	0.4	○	○			●		●				
	3NU-WNGA080408	0.8	○	○			●		●				
	3NU-WNGA080412	1.2	○	○			●		●				
	WNGA080404	0.4	○	○			●		●				
	WNGA080408	0.8	○	○			●		●				
	WNGA080412	1.2	○	○			●		●				
Cast Iron					★	★	★	★					
Heat Resistant Alloy													
Hardened Steel									★	★	★	★	★

★ Preferred

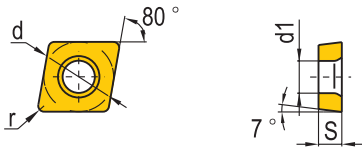
☆ optional

● standard stock

○ order production

PCBN Inserts series

CC..



Model	Size (mm)		
	d	s	d1
CC..0602..	6.35	2.38	2.8
CC..09T3..	9.525	3.97	4.4
CC..1204..	12.7	4.76	5.5

Insert shape	Model	Insert grades and application											
		r	T01725	S01725	KBN100	KBN95S2	KBN95N	KBN800	KBN700	KBN650	KBN630	KBN600	KBN500
	2NU-CCGW060202	0.2	○	○			●		●				
	2NU-CCGW060204	0.4	○	○			●		●				
	2NU-CCGW060208	0.8	○	○			●		●				
	2NU-CCGW09T302	0.2	○	○			●		●				
	2NU-CCGW09T304	0.4	○	○			●		●				
	2NU-CCGW09T308	0.8	○	○			●		●				
	CCGW060202	0.2	○	○			●		●				
	CCGW060204	0.4	○	○			●		●				
	CCGW060208	0.8	○	○			●		●				
	CCGW09T302	0.2	○	○			●		●				
	CCGW09T304	0.4	○	○			●		●				
	CCGW09T308	0.8	○	○			●		●				
Cast Iron					★	★	★	★					
Heat Resistant Alloy													
Hardened Steel									★	★	★	★	★

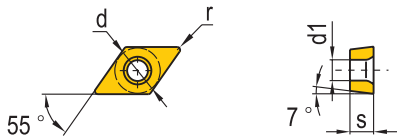
★ Preferred

☆ optional

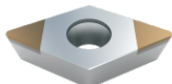
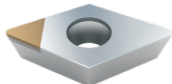
● standard stock

○ order production

DC..



Model	Size (mm)		
	d	s	d1
DC..0702..	6.35	2.38	2.8
DC..11T3..	9.525	3.97	4.4

Insert shape	Model	Insert grades and application											
		r	T01725	S01725	KBN100	KBN95S2	KBN95N	KBN800	KBN700	KBN650	KBN630	KBN600	KBN500
	2NU-DCGW070202	0.2	○	○			●		●				
	2NU-DCGW070204	0.4	○	○			●		●				
	2NU-DCGW070208	0.8	○	○			●		●				
	2NU-DCGW11T302	0.2	○	○			●		●				
	2NU-DCGW11T304	0.4	○	○			●		●				
	2NU-DCGW11T308	0.8	○	○			●		●				
	DCGW070202	0.2	○	○			●		●				
	DCGW070204	0.4	○	○			●		●				
	DCGW070208	0.8	○	○			●		●				
	DCGW11T302	0.2	○	○			●		●				
	DCGW11T304	0.4	○	○			●		●				
	DCGW11T308	0.8	○	○			●		●				
Cast Iron					★	★	★	★					
Heat Resistant Alloy													
Hardened Steel									★	★	★	★	★

★ Preferred

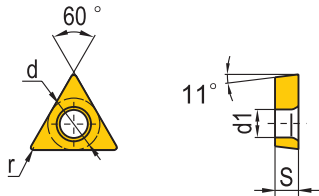
☆ optional

● standard stock

○ order production

PCBN Inserts series

TP..



Model	Size (mm)		
	d	s	d1
TP..0802..	4.76	2.38	2.3
TP..0902..	5.56	2.38	3.0
TP..1102..	6.35	2.38	3.5
TP..1103..	6.35	3.18	3.3
TP..16T3..	9.525	3.18	4.5

Insert shape	Model	Insert grades and application											
		r	T01725	S01725	KBN100	KBN95S2	KBN95N	KBN800	KBN700	KBN650	KBN630	KBN600	KBN500
	3NU-TPGW080202	0.2	○	○			●		●				
	3NU-TPGW080204	0.4	○	○			●		●				
	3NU-TPGW080208	0.8	○	○			●		●				
	3NU-TPGW090202	0.2	○	○			●		●				
	3NU-TPGW090204	0.4	○	○			●		●				
	3NU-TPGW090208	0.8	○	○			●		●				
	3NU-TPGW110302	0.2	○	○			●		●				
	3NU-TPGW110304	0.4	○	○			●		●				
	3NU-TPGW110308	0.8	○	○			●		●				
	3NU-TPGW16T302	0.2	○	○			●		●				
	3NU-TPGW16T304	0.4	○	○			●		●				
	3NU-TPGW16T308	0.8	○	○			●		●				
	TPGW080202	0.2	○	○			●		●				
	TPGW080204	0.4	○	○			●		●				
	TPGW080208	0.8	○	○			●		●				
	TPGW090202	0.2	○	○			●		●				
	TPGW090204	0.4	○	○			●		●				
	TPGW090208	0.8	○	○			●		●				
	TPGW110302	0.2	○	○			●		●				
	TPGW110304	0.4	○	○			●		●				
	TPGW110308	0.8	○	○			●		●				
	TPGW16T302	0.2	○	○			●		●				
	TPGW16T304	0.4	○	○			●		●				
	TPGW16T308	0.8	○	○			●		●				
Cast Iron					★	★	★	★					
Heat Resistant Alloy													
Hardened Steel									★	★	★	★	★

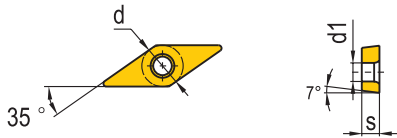
★ Preferred

☆ optional

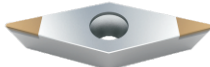
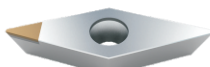
● standard stock

○ order production

VC..



Model	Size (mm)		
	d	s	d1
VC..1103..	6.35	3.18	2.8
VC..1604..	9.525	4.76	4.4

Insert shape	Model	Insert grades and application											
		r	T01725	S01725	KBN100	KBN95S2	KBN95N	KBN800	KBN700	KBN650	KBN630	KBN600	KBN500
	2NU-VCGW110302	0.2	○	○			●		●				
	2NU-VCGW110304	0.4	○	○			●		●				
	2NU-VCGW110308	0.8	○	○			●		●				
	2NU-VCGW160402	0.2	○	○			●		●				
	2NU-VCGW160404	0.4	○	○			●		●				
	2NU-VCGW160408	0.8	○	○			●		●				
	VCGW110302	0.2	○	○			●		●				
	VCGW110304	0.4	○	○			●		●				
	VCGW110308	0.8	○	○			●		●				
	VCGW160402	0.2	○	○			●		●				
	VCGW160404	0.4	○	○			●		●				
	VCGW160408	0.8	○	○			●		●				
Cast Iron					★	★	★	★					
Heat Resistant Alloy													
Hardened Steel									★	★	★	★	★

★ Preferred

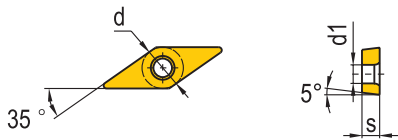
☆ optional

● standard stock

○ order production

PCBN Inserts series

VB..



Model	Size (mm)		
	d	s	d1
VB..1103..	6.35	3.18	2.8
VB..1604..	9.525	4.76	4.4

Insert shape	Model	Insert grades and application											
		r	T01725	S01725	KBN100	KBN95S2	KBN95N	KBN800	KBN700	KBN650	KBN630	KBN600	KBN500
	2NU-VBGW110302	0.2	○	○			●		●				
	2NU-VBGW110304	0.4	○	○			●		●				
	2NU-VBGW110308	0.8	○	○			●		●				
	2NU-VBGW160402	0.2	○	○			●		●				
	2NU-VBGW160404	0.4	○	○			●		●				
	2NU-VBGW160408	0.8	○	○			●		●				
	VBGW110302	0.2	○	○			●		●				
	VBGW110304	0.4	○	○			●		●				
	VBGW110308	0.8	○	○			●		●				
	VBGW160402	0.2	○	○			●		●				
	VBGW160404	0.4	○	○			●		●				
	VBGW160408	0.8	○	○			●		●				
Cast Iron					★	★	★	★					
Heat Resistant Alloy													
Hardened Steel									★	★	★	★	★

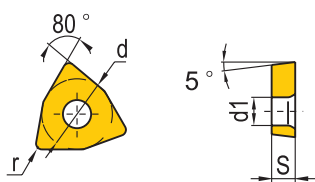
★ Preferred

☆ optional

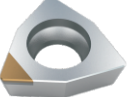
● standard stock

○ order production

WB..



Model	Size (mm)		
	d	s	d1
WB..0601..	3.97	1.59	2.3

Insert shape	Model	Insert grades and application											
		r	T01725	S01725	KBN100	KBN95S2	KBN95N	KBN800	KBN700	KBN650	KBN630	KBN600	KBN500
	WBGW060102	0.2	○	○			●		●				
	WBGW060104	0.4	○	○			●		●				
Cast Iron					★	★	★	★					
Heat Resistant Alloy													
Hardened Steel									★	★	★	★	★

★ Preferred

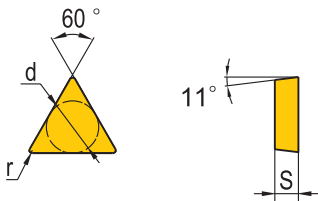
☆ optional

● standard stock

○ order production

PCBN Inserts series

TP..



Model	Size (mm)	
	d	s
TP..0902..	5.56	2.38
TP..1103..	6.35	3.18
TP..1603..	9.525	3.18

Insert shape	Model	Insert grades and application											
		r	T01725	S01725	KBN100	KBN95S2	KBN95N	KBN800	KBN700	KBN650	KBN630	KBN600	KBN500
	TPGN090204	0.4	○	○			●		●				
	TPGN090208	0.8	○	○			●		●				
	TPGN110302	0.2	○	○			●		●				
	TPGN110304	0.4	○	○			●		●				
	TPGN110308	0.8	○	○			●		●				
	TPGN160302	0.2	○	○			●		●				
	TPGN160304	0.4	○	○			●		●				
	TPGN160308	0.8	○	○			●		●				
Cast Iron					★	★	★	★					
Heat Resistant Alloy													
Hardened Steel									★	★	★	★	★

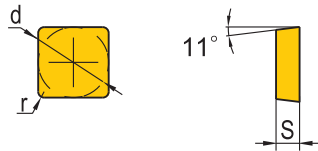
★ Preferred

☆ optional

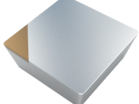
● standard stock

○ order production

SP..



Model	Size (mm)	
	d	s
SP..0903..	9.525	3.18
SP..1203..	12.7	3.18

Insert shape	Model	Insert grades and application											
		r	T01725	S01725	KBN100	KBN95S2	KBN95N	KBN800	KBN700	KBN650	KBN630	KBN600	KBN500
	SPGN090304	0.4	○	○			●		●				
	SPGN090308	0.8	○	○			●		●				
	SPGN120304	0.4	○	○			●		●				
	SPGN120308	0.8	○	○			●		●				
Cast Iron					★	★	★	★					
Heat Resistant Alloy													
Hardened Steel									★	★	★	★	★

★ Preferred

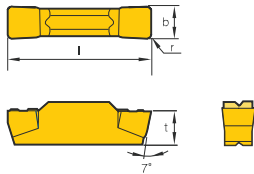
☆ optional

● standard stock

○ order production

PCBN Inserts series

MGGN..



Model	Size (mm)			
	b	r	t	l
MGGN150	1.5	0.15	4.8	16.0
MGGN200	2.0	0.20	4.8	16.0
MGGN250	2.5	0.20	4.8	18.5
MGGN300	3.0	0.40	4.8	21.0
MGGN400	4.0	0.40	4.8	21.0

Insert shape	Model	Insert grades and application											
		W	T01725	S01725	KBN100	KBN95S2	KBN95N	KBN800	KBN700	KBN650	KBN630	KBN600	KBN500
	MGGN150-V	1.5	○	○			●		●				
	MGGN200-V	2.0	○	○			●		●				
	MGGN250-V	2.5	○	○			●		●				
	MGGN300-V	3.0	○	○			●		●				
	MGGN400-V	4.0	○	○			●		●				
Cast Iron					★	★	★	★					
Heat Resistant Alloy													
Hardened Steel									★	★	★	★	★

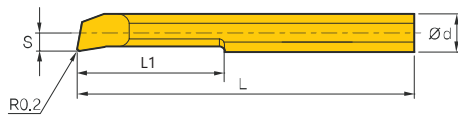
★ Preferred

☆ optional

● standard stock

○ order production

PSBR..



Model	Size (mm)			
	d	L	L1	S
PSBR0303-50	2.8	50	25	1.4
PSBR0404-60	3.8	60	30	1.9
PSBR0505-70	4.8	70	40	2.4
PSBR0606-70	5.8	70	45	2.9
PSBR0707-80	6.8	80	60	3.4

Insert shape	Model	Insert grades and application											
		Dmin	T01725	S01725	KBN100	KBN95S2	KBN95N	KBN800	KBN700	KBN650	KBN630	KBN600	KBN500
	PSBR0303-50	3.0	○	○			●		●				
	PSBR0404-60	4.0	○	○			●		●				
	PSBR0505-70	5.0	○	○			●		●				
	PSBR0606-70	6.0	○	○			●		●				
	PSBR0707-80	7.0	○	○			●		●				
Cast Iron					★	★	★	★					
Heat Resistant Alloy													
Hardened Steel									★	★	★	★	★

★ Preferred

☆ optional

● standard stock

○ order production