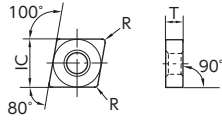


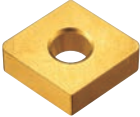
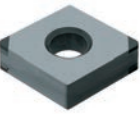
Item Number	IC	T
CN_1204_	12.7	4.76

<80 degree Rhombic Negative type>



Steel	P
Stainless Steel	M
Cast Iron	K
Non-Ferrous Material	N
Heat Resistant Alloy	S
Hardened Material	H

● : 1st Choice
● : 2nd choice

Shape	ISO Item Number	Inch Item Number	Edge Prep.	R	BIDEMICS (Coated)	CBN (Brazed) (Coated)			CBN (Brazed)					Diamond Coating			PCD	For applicable holder, see pages:
					JP2	B16	B5K	B6K	B22	B23	B30	B36	B40	B52	UC1	PD1		
 4 corners available	CNGA 120404 BQ	CNGA431BQ	T00520	0.4	●													
	120408 BQ	432BQ	T00520	0.8	●													
	120412 BQ	433BQ	T00520	1.2	●													
 4 corners available	CNGA 120402 PQ SCD	CNGA4308PQS0415	S01015	0.2							●	●	●					
	120402 PQ SXF	4308PQS0525	S01325	0.2							●	●	●					
	120402 PQ SEH	4308PQS0635	S01535	0.2							●	●	●					
	120402 PQ TCE	4308PQT0420	T01020	0.2							●							
	120404 PQ F	431PQFNX	None	0.4							●			●				
	120404 PQ SCD	431PQS0415	S01015	0.4			●	●			●	●	●					
	120404 PQ SCE	431PQS0420	S01020	0.4						●								
	120404 PQ SXF	431PQS0525	S01325	0.4			●	●			●	●	●					
	120404 PQ SEH	431PQS0635	S01535	0.4			●	●			●	●	●					
	120404 PQ TCE	431PQT0420	T01020	0.4							●							
	120408 PQ F	432PQFNX	None	0.8							●			●				
	120408 PQ SCD	432PQS0415	S01015	0.8			●	●			●	●	●					
	120408 PQ SCE	432PQS0420	S01020	0.8						●								
	120408 PQ SXF	432PQS0525	S01325	0.8			●	●			●	●	●					
	120408 PQ SEH	432PQS0635	S01535	0.8			●	●			●	●	●					
	120408 PQ TBD	432PQT0215	T00515	0.8							●							
	120408 PQ TCE	432PQT0420	T01020	0.8							●							
	120412 PQ F	433PQFNX	None	1.2							●			●				
120412 PQ SCD	433PQS0415	S01015	1.2			●	●			●	●	●						
120412 PQ SCE	433PQS0420	S01020	1.2							●								
120412 PQ SXF	433PQS0525	S01325	1.2			●	●			●	●	●						

F9
F11
G40
K34

● : Standard stock ● : New standard stock ■ : Scheduled to be produced by order ★ : Standard stock (Specified)

BIDEMICS (Brazed) • CBN • PCD
 Negative type
 Positive type

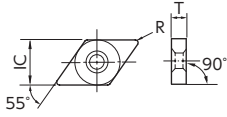






Item Number	IC	T
DN_1504_	12.7	4.76
DN_1506_	12.7	6.35

<55 degree Rhombic Negative type>



Steel	P
Stainless Steel	M
Cast Iron	K
Non-Ferrous Material	N
Heat Resistant Alloy	S
Hardened Material	H

● : 1st Choice
● : 2nd choice

Shape	ISO Item Number	Inch Item Number	Edge Prep.	R	BIDEMICS (Coated)	CBN (Brazed) (Coated)			CBN (Brazed)					PCD	For applicable holder, see pages:	
					JP2	B16	B5K	B6K	B22	B23	B30	B36	B40			B52
 4 corners available	DNGA 150404 BQ	DNGA431BQ	T00520	0.4	●											
	150408 BQ	432BQ	T00520	0.8	●											
	150412 BQ	433BQ	T00520	1.2	●											
 4 corners available	DNGA 150402 PQ SCD	DNGA4308PQS0415	S01015	0.2												
	150402 PQ SXF	4308PQS0525	S01325	0.2												
	150402 PQ SEH	4308PQS0635	S01535	0.2												
	150402 PQ TCE	4308PQT0420	T01020	0.2												
	150404 PQ F	431PQFNX	None	0.4												
	150404 PQ SCD	431PQS0415	S01015	0.4			●	●								
	150404 PQ SCE	431PQS0420	S01020	0.4												
	150404 PQ SXF	431PQS0525	S01325	0.4			●	●								
	150404 PQ SEH	431PQS0635	S01535	0.4			●	●								
	150404 PQ TCE	431PQT0420	T01020	0.4												
	150408 PQ F	432PQFNX	None	0.8												
	150408 PQ SCD	432PQS0415	S01015	0.8			●	●								
	150408 PQ SCE	432PQS0420	S01020	0.8												
	150408 PQ SXF	432PQS0525	S01325	0.8			●	●								
	150408 PQ SEH	432PQS0635	S01535	0.8			●	●								
	150408 PQ TCE	432PQT0420	T01020	0.8												
	150412 PQ F	433PQFNX	None	1.2												
	150412 PQ SCD	433PQS0415	S01015	1.2			●	●								
	150412 PQ SCE	433PQS0420	S01020	1.2												
	150412 PQ SXF	433PQS0525	S01325	1.2			●	●								
	150412 PQ SEH	433PQS0635	S01535	1.2			●	●								
	150412 PQ TCE	433PQT0420	T01020	1.2												
	150416 PQ SCD	434PQS0415	S01015	1.6			●	●								
	150416 PQ SCE	434PQS0420	S01020	1.6												
	150416 PQ SXF	434PQS0525	S01325	1.6			●	●								
	150416 PQ SEH	434PQS0635	S01535	1.6			●	●								
	150416 PQ TCE	434PQT0420	T01020	1.6												
	150420 PQ SCD	435PQS0415	S01015	2				●								
	150420 PQ SXF	435PQS0525	S01325	2				●								
	150420 PQ SEH	435PQS0635	S01535	2				●								
DNGA 150602 PQ SCD	4408PQS0415	S01015	0.2													
150604 PQ SCD	441PQS0415	S01015	0.4													
150604 PQ SXF	441PQS0525	S01325	0.4													

F13
F15
G41
K35

● : Standard stock ● : New standard stock ■ : Scheduled to be produced by order ★ : Standard stock (Specified)

BIDEMICS (Brazed) • CBN • PCD

Negative type

Positive type

◊

◊

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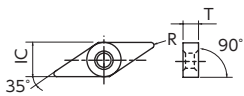
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Item Number	IC	T
VN_1604_	9.525	4.76

<35 degree Rhombic Negative type>



Shape	ISO Item Number	Inch Item Number	Edge Prep.	R	Steel	P									For applicable holder, see pages:				
					Stainless Steel	M	BIDEMICS (Coated)	CBN (Brazed) (Coated)	CBN (Brazed)					Diamond Coating		PCD			
					Cast Iron	K	JP2	B16	B5K	B6K	B22	B23	B30	B36	B40	B52	UC1	PD1	PD2
	VNGA 160404 BQ	VNGA331BQ	T00520	0.4	●														
	160408 BQ	332BQ	T00520	0.8	●														
	160412 BQ	333BQ	T00520	1.2	●														
	VNGA 160401 PQ SCD	VNGA3304PQS0415	S01015	0.1												●			
	160401 PQ SEH	3304PQS0635	S01535	0.1												●			
	160402 PQ F	3308PQFNX	None	0.2									●						
	160402 PQ SCD	3308PQS0415	S01015	0.2				●					●	●	●				
	160402 PQ SXF	3308PQS0525	S01325	0.2				●					●	●	●				
	160402 PQ SEH	3308PQS0635	S01535	0.2				●					●	●	●				
	160402 PQ TCE	3308PQT0420	T01020	0.2									●						
	160404 PQ F	331PQFNX	None	0.4										●			●		
	160404 PQ SCD	331PQS0415	S01015	0.4					●	●				●	●	●			
	160404 PQ SXF	331PQS0525	S01325	0.4					●	●				●	●	●			
	160404 PQ SEH	331PQS0635	S01535	0.4					●	●				●	●	●			
	160404 PQ TCE	331PQT0420	T01020	0.4										●					
	160408 PQ F	332PQFNX	None	0.8										●			●		
	160408 PQ SCD	332PQS0415	S01015	0.8					●	●				●	●	●			
	160408 PQ SXF	332PQS0525	S01325	0.8					●	●				●	●	●			
	160408 PQ SEH	332PQS0635	S01535	0.8					●	●				●	●	●			
160408 PQ TCE	332PQT0420	T01020	0.8										●						
160412 PQ SCD	333PQS0415	S01015	1.2					●	●				●	●	●				
160412 PQ SXF	333PQS0525	S01325	1.2					●	●				●	●	●				
160412 PQ SEH	333PQS0635	S01535	1.2					●	●				●	●	●				
160412 PQ TCE	333PQT0420	T01020	1.2										●						
	VNGA 160402 PD F	VNGA3308PDFNX	None	0.2									●						
	160404 PD F	331PDFNX	None	0.4									●						
	160408 PD F	332PDFNX	None	0.8									●						
	160412 PD F	333PDFNX	None	1.2									●						

● : Standard stock ● : New standard stock ■ : Scheduled to be produced by order ★ : Standard stock (Specified)

F27