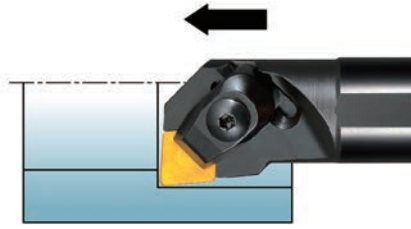


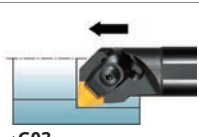
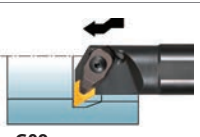
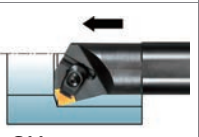
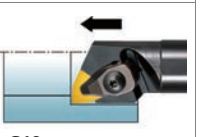
## ID Tooling

<b>Product Lines</b> .....	<b>G02</b>
<b>For CN.. Inserts</b> .....	<b>G03</b>
<b>For DN.. Inserts</b> .....	<b>G09</b>
<b>For SN.. Inserts</b> .....	<b>G14</b>
<b>For WN.. Inserts</b> .....	<b>G19</b>

# Product Lines

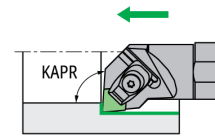
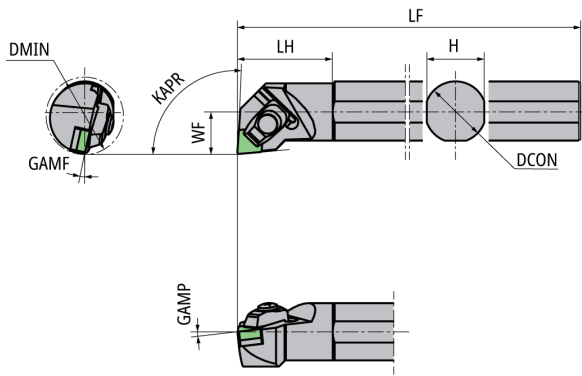
## Multi Clamp Toolholders



Insert	CN..	DN..	SN..	WN..
	S-W/T/HCLN	S-W/HDUN	S-W/T/HSKN	S-WWLN
Holder	 →G03	 →G09	 →G14	 →G19
Min. Bore Dia.	φ33	φ42	φ50	φ33

# CN.. series/Toolholders

## S-WCLN/S-TCLN/S-HCLN Multi Clamp Toolholders



- Diagram shows right-hand tool
- RE : Std. corner radius

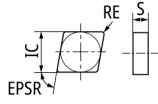
EDP	Item Number	Stock	Hand	DMIN mm	DCON mm	GAMF °	GMAP °	H mm	KAPR mm	LF mm	LH mm	RE mm	WF mm	Insert Gage
5682646	S25R-WCLNR12	●	R	33	25	14	6	24	95	200	40	0.8	17	CN..1204.. (CN..1207..)
5682661	S32S-WCLNR12	●	R	40	32	12	6	30	95	250	50	0.8	22	CN..1204.. (CN..1207..)
5682687	S40T-WCLNR12	●	R	50	40	10	6	38	95	300	60	0.8	27	CN..1204.. (CN..1207..)
5682703	S50U-WCLNR12	●	R	63	50	8	6	47	95	350	65	0.8	35	CN..1204.. (CN..1207..)
5682653	S25R-WCLNL12	●	L	33	25	14	6	24	95	200	40	0.8	17	CN..1204.. (CN..1207..)
5682679	S32S-WCLNL12	●	L	40	32	12	6	30	95	250	50	0.8	22	CN..1204.. (CN..1207..)
5682695	S40T-WCLNL12	●	L	50	40	10	6	38	95	300	60	0.8	27	CN..1204.. (CN..1207..)
5682711	S50U-WCLNL12	●	L	63	50	8	6	47	95	350	65	0.8	35	CN..1204.. (CN..1207..)
5701693	S25R-TCLNR12	●	L	33	25	14	6	24	95	200	40	0.8	17	CN..1204.. (CN..1207..)
5701685	S25R-TCLNR12	●	R	33	25	14	6	24	95	200	40	0.8	17	CN..1204.. (CN..1207..)
5701701	S32S-TCLNR12	●	R	40	32	12	6	30	95	250	50	0.8	22	CN..1204.. (CN..1207..)
5701727	S40T-TCLNR12	●	R	50	40	10	6	38	95	300	60	0.8	27	CN..1204.. (CN..1207..)
5701743	S50U-TCLNR12	●	R	63	50	8	6	47	95	350	65	0.8	35	CN..1204.. (CN..1207..)
5701719	S32S-TCLNL12	●	L	40	32	12	6	30	95	250	50	0.8	22	CN..1204.. (CN..1207..)
5701735	S40T-TCLNL12	●	L	50	40	10	6	38	95	300	60	0.8	27	CN..1204.. (CN..1207..)
5701750	S50U-TCLNL12	●	L	63	50	8	6	47	95	350	65	0.8	35	CN..1204.. (CN..1207..)
5701198	S25R-HCLNL12	●	L	33	25	14	6	24	95	200	40	0.8	17	CNGX1207.. -
5701180	S25R-HCLNR12	●	R	33	25	14	6	24	95	200	40	0.8	17	CNGX1207.. -
5701206	S32S-HCLNR12	●	R	40	32	12	6	30	95	250	50	0.8	22	CNGX1207.. -
5701222	S40T-HCLNR12	●	R	50	40	10	6	38	95	300	60	0.8	27	CNGX1207.. -
5701248	S50U-HCLNR12	●	R	63	50	8	6	47	95	350	65	0.8	35	CNGX1207.. -
5701214	S32S-HCLNL12	●	L	40	32	12	6	30	95	250	50	0.8	22	CNGX1207.. -
5701230	S40T-HCLNL12	●	L	50	40	10	6	38	95	300	60	0.8	27	CNGX1207.. -
5701255	S50U-HCLNL12	●	L	63	50	8	6	47	95	350	65	0.8	35	CNGX1207.. -

## Spare Parts

Item Number	Clamp	Shim	Clamp screw	Screw (for Shim)	Wrench (for Clamp screw)	Wrench (for Shim)	Spring
S25R-WCLNR12	DC6CN	ACN423	AOS-6*26W	FSS16-3.0*8	LLR-T20	LLR-T10	ASGL6-D
S32S-WCLNR12	DC6CN	ACN423	AOS-6*30W	FSS16-3.0*8	LLR-T20	LLR-T10	ASGL6-D
S40T-WCLNR12	DC6CN	ACN423	AOS-6*30W	FSS16-3.0*8	LLR-T20	LLR-T10	ASGL6-D
S50U-WCLNR12	DC6CN	ACN423	AOS-6*30W	FSS16-3.0*8	LLR-T20	LLR-T10	ASGL6-D
S25R-WCLNL12	DC6CN	ACN423	AOS-6*26W	FSS16-3.0*8	LLR-T20	LLR-T10	ASGL6-D
S32S-WCLNL12	DC6CN	ACN423	AOS-6*30W	FSS16-3.0*8	LLR-T20	LLR-T10	ASGL6-D
S40T-WCLNL12	DC6CN	ACN423	AOS-6*30W	FSS16-3.0*8	LLR-T20	LLR-T10	ASGL6-D
S50U-WCLNL12	DC6CN	ACN423	AOS-6*30W	FSS16-3.0*8	LLR-T20	LLR-T10	ASGL6-D
S25R-TCLNR12	TC6CN	ACN423	AOS-6*26W	FSS16-3.0*8	LLR-T20	LLR-T10	ASGL6-D
S25R-TCLNR12	TC6CN	ACN423	AOS-6*26W	FSS16-3.0*8	LLR-T20	LLR-T10	ASGL6-D
S32S-TCLNR12	TC6CN	ACN423	AOS-6*30W	FSS16-3.0*8	LLR-T20	LLR-T10	ASGL6-D
S40T-TCLNR12	TC6CN	ACN423	AOS-6*30W	FSS16-3.0*8	LLR-T20	LLR-T10	ASGL6-D
S50U-TCLNR12	TC6CN	ACN423	AOS-6*30W	FSS16-3.0*8	LLR-T20	LLR-T10	ASGL6-D
S32S-TCLNL12	TC6CN	ACN423	AOS-6*30W	FSS16-3.0*8	LLR-T20	LLR-T10	ASGL6-D
S40T-TCLNL12	TC6CN	ACN423	AOS-6*30W	FSS16-3.0*8	LLR-T20	LLR-T10	ASGL6-D
S50U-TCLNL12	TC6CN	ACN423	AOS-6*30W	FSS16-3.0*8	LLR-T20	LLR-T10	ASGL6-D
S25R-HCLNL12	HC6CN	-	AOS-6*26W	-	LLR-T20	-	ASGL6-D
S25R-HCLNR12	HC6CN	-	AOS-6*26W	-	LLR-T20	-	ASGL6-D
S32S-HCLNR12	HC6CN	-	AOS-6*30W	-	LLR-T20	-	ASGL6-D
S40T-HCLNR12	HC6CN	-	AOS-6*30W	-	LLR-T20	-	ASGL6-D
S50U-HCLNR12	HC6CN	-	AOS-6*30W	-	LLR-T20	-	ASGL6-D
S32S-HCLNL12	HC6CN	-	AOS-6*30W	-	LLR-T20	-	ASGL6-D
S40T-HCLNL12	HC6CN	-	AOS-6*30W	-	LLR-T20	-	ASGL6-D
S50U-HCLNL12	HC6CN	-	AOS-6*30W	-	LLR-T20	-	ASGL6-D

# CN.. series/Inserts BIDEMICS / Ceramics / NTK CeramiX

## CNGN



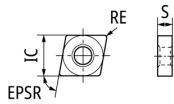
Steel	
Stainless Steel	
Cast Iron	● ● ● ● ○ ○ ○ ○ ● ● ○ ○
Non-Ferrous Material	
Heat Resistant Alloy	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●
Hardened Material	● ○ ● ● ● ●
Others (non-metallic)	

Shape	Item Number (ISO)	EPSC	IC mm	S mm	AN °	RE mm	D1 mm	D2 mm	INSL mm	S1 mm	W1 mm	BIDEMICS				NTK CeramiX					Alumina Ceramics					Silicon Nitride Ceramics					Whisker Ceramics		
												120 PVD	JP2 PVD	JX1	JX3	450 PVD	HC1	HW2	HC2	HC4	HC6	HC7	ZC7 PVD	SX3	SX5	SX7	SX9	SX6	SP9 CVD	WA1	WA5		
CNGN120404T01025	T01025	80	12.7	4.76	-	0.4	-	-	-	-	-								●	●													
CNGN120408S02025	S02025	80	12.7	4.76	-	0.8	-	-	-	-	-																						
CNGN120408T00520	T00520	80	12.7	4.76	-	0.8	-	-	-	-	-																						
CNGN120408T00820	T00820	80	12.7	4.76	-	0.8	-	-	-	-	-																						
CNGN120408T01020	T01020	80	12.7	4.76	-	0.8	-	-	-	-	-																						
CNGN120408T01025	T01025	80	12.7	4.76	-	0.8	-	-	-	-	-								●	●			●										
CNGN120408T02020	T02020	80	12.7	4.76	-	0.8	-	-	-	-	-																						
CNGN120408T02025	T02025	80	12.7	4.76	-	0.8	-	-	-	-	-							●															
CNGN120408Z02025	Z02025	80	12.7	4.76	-	0.8	-	-	-	-	-																						
CNGN120412S02025	S02025	80	12.7	4.76	-	1.2	-	-	-	-	-																						
CNGN120412T00520	T00520	80	12.7	4.76	-	1.2	-	-	-	-	-																						
CNGN120412T00820	T00820	80	12.7	4.76	-	1.2	-	-	-	-	-																						
CNGN120412T01020	T01020	80	12.7	4.76	-	1.2	-	-	-	-	-																						
CNGN120412T01025	T01025	80	12.7	4.76	-	1.2	-	-	-	-	-								●	●	●												
CNGN120412T02020	T02020	80	12.7	4.76	-	1.2	-	-	-	-	-																						
CNGN120412T02025	T02025	80	12.7	4.76	-	1.2	-	-	-	-	-																						
CNGN120412Z02025	Z02025	80	12.7	4.76	-	1.2	-	-	-	-	-																						
CNGN120416T00520	T00520	80	12.7	4.76	-	1.6	-	-	-	-	-																						
CNGN120416T01020	T01020	80	12.7	4.76	-	1.6	-	-	-	-	-																						
CNGN120416T02020	T02020	80	12.7	4.76	-	1.6	-	-	-	-	-																						
CNGN120416T02025	T02025	80	12.7	4.76	-	1.6	-	-	-	-	-																						
CNGN120420T01025	T01025	80	12.7	4.76	-	2	-	-	-	-	-																						
CNGN120708T00520	T00520	80	12.7	7.94	-	0.8	-	-	-	-	-																						
CNGN120708T02025	T02025	80	12.7	7.94	-	0.8	-	-	-	-	-																						
CNGN120712T02025	T02025	80	12.7	7.94	-	1.2	-	-	-	-	-																						





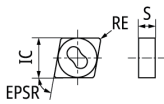
# CNGG-AG with chipbreaker



Steel																					
Stainless Steel																					
Cast Iron																					
Non-Ferrous Material																					
Heat Resistant Alloy																					
Hardened Material																					
Others (non-metallic)																					

Shape	Item Number CECC  (ISO)	EPSR	IC	S	AN	RE	D1	D2	INSL	S1	W1	BIDEMICS				NTK CeramiX	Alumina Ceramics							Silicon Nitride Ceramics					Whisker Ceramics					
												120 PVD	JP2 PVD	JX1	JX3		450 PVD	HC1	HW2	HC2	HC4	HC6	HC7	ZC7 PVD	SX3	SX5	SX7	SX9	SX6	SP9 CVD	WA1	WA5		
	CNGG120408Z01030AG	Z01030	80	12.7	4.76	-	0.8	-	-	-	-	-	-	-	-																			
	CNGG120412Z01030AG	Z01030	80	12.7	4.76	-	1.2	-	-	-	-	-	-	-	-																			

# CNGX

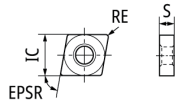


Steel																					
Stainless Steel																					
Cast Iron																					
Non-Ferrous Material																					
Heat Resistant Alloy																					
Hardened Material																					
Others (non-metallic)																					

Shape	Item Number CECC  (ISO)	EPSR	IC	S	AN	RE	D1	D2	INSL	S1	W1	BIDEMICS				NTK CeramiX	Alumina Ceramics							Silicon Nitride Ceramics					Whisker Ceramics						
												120 PVD	JP2 PVD	JX1	JX3		450 PVD	HC1	HW2	HC2	HC4	HC6	HC7	ZC7 PVD	SX3	SX5	SX7	SX9	SX6	SP9 CVD	WA1	WA5			
	CNGX120712T02025	T02025	80	12.7	7.94	-	1.2	-	-	-	-	-	-	-																					
	CNGX120716T02025	T02025	80	12.7	7.94	-	1.6	-	-	-	-	-	-	-																					

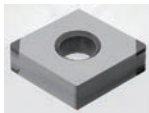
# CN.. series/Inserts CBN

## CNGA



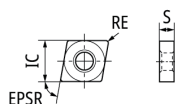
Steel	
Stainless Steel	
Cast Iron	● ● ● ● ○ ○
Non-Ferrous Material	
Heat Resistant Alloy	
Hardened Material	● ● ● ● ●
Others (non-metallic)	

Shape	Item Number (ISO)	CECC	EPSR °	IC mm	S mm	AN °	RE mm	D2 mm	Length of edge	No. of edge	S1 mm	CBN										
												B16 PVD	B22	B23	B30	B36	B6K PVD	B40	B52	B5K PVD		
	CNGA120402PQS01015	S01015	80	12.7	4.76	-	0.2	-	2.3	4	-						●	●	●	●		
	CNGA120402PQS01325	S01325	80	12.7	4.76	-	0.2	-	2.3	4	-						●	●	●	●		
	CNGA120402PQS01535	S01535	80	12.7	4.76	-	0.2	-	2.3	4	-						●	●	●	●		
	CNGA120402PQT01020	T01020	80	12.7	4.76	-	0.2	-	2.3	4	-						●	●	●	●		
	CNGA120404PDFNX	Up-sharp edge	80	12.7	4.76	-	0.4	-	2.3	2	-						●	●	●	●		
	CNGA120404PQFNX	Up-sharp edge	80	12.7	4.76	-	0.4	-	2.3	4	-						●	●	●	●		
	CNGA120404PQS01015	S01015	80	12.7	4.76	-	0.4	-	2.3	4	-						●	●	●	●	●	●
	CNGA120404PQS01020	S01020	80	12.7	4.76	-	0.4	-	2.3	4	-						●	●	●	●	●	●
	CNGA120404PQS01325	S01325	80	12.7	4.76	-	0.4	-	2.3	4	-						●	●	●	●	●	●
	CNGA120404PQS01535	S01535	80	12.7	4.76	-	0.4	-	2.3	4	-						●	●	●	●	●	●
	CNGA120404PQT01020	T01020	80	12.7	4.76	-	0.4	-	2.3	4	-						●	●	●	●	●	●
	CNGA120408PDFNX	Up-sharp edge	80	12.7	4.76	-	0.8	-	2.2	2	-						●	●	●	●		
	CNGA120408PQFNX	Up-sharp edge	80	12.7	4.76	-	0.8	-	2.2	4	-						●	●	●	●		●
	CNGA120408PQS01015	S01015	80	12.7	4.76	-	0.8	-	2.2	4	-						●	●	●	●	●	●
	CNGA120408PQS01020	S01020	80	12.7	4.76	-	0.8	-	2.2	4	-						●	●	●	●	●	●
	CNGA120408PQS01325	S01325	80	12.7	4.76	-	0.8	-	2.2	4	-						●	●	●	●	●	●
	CNGA120408PQS01535	S01535	80	12.7	4.76	-	0.8	-	2.2	4	-						●	●	●	●	●	●
	CNGA120408PQT00515	T00515	80	12.7	4.76	-	0.8	-	2.2	4	-						●	●	●	●		
	CNGA120408PQT01020	T01020	80	12.7	4.76	-	0.8	-	2.2	4	-						●	●	●	●		
	CNGA120412PDFNX	Up-sharp edge	80	12.7	4.76	-	1.2	-	2.7	2	-						●	●	●	●		
	CNGA120412PQFNX	Up-sharp edge	80	12.7	4.76	-	1.2	-	2.7	4	-						●	●	●	●		●
	CNGA120412PQS01015	S01015	80	12.7	4.76	-	1.2	-	2.7	4	-						●	●	●	●	●	●
	CNGA120412PQS01020	S01020	80	12.7	4.76	-	1.2	-	2.7	4	-						●	●	●	●	●	●
	CNGA120412PQS01325	S01325	80	12.7	4.76	-	1.2	-	2.7	4	-						●	●	●	●	●	●
	CNGA120412PQS01535	S01535	80	12.7	4.76	-	1.2	-	2.7	4	-						●	●	●	●	●	●
	CNGA120412PQT00515	T00515	80	12.7	4.76	-	1.2	-	2.7	4	-						●	●	●	●		
	CNGA120412PQT01020	T01020	80	12.7	4.76	-	1.2	-	2.7	4	-						●	●	●	●		
	CNGA120416PQS01015	S01015	80	12.7	4.76	-	1.6	-	2.6	4	-						●	●	●	●		
	CNGA120416PQS01020	S01020	80	12.7	4.76	-	1.6	-	2.6	4	-						●	●	●	●		
	CNGA120416PQS01325	S01325	80	12.7	4.76	-	1.6	-	2.6	4	-						●	●	●	●		
	CNGA120416PQS01535	S01535	80	12.7	4.76	-	1.6	-	2.6	4	-						●	●	●	●		
	CNGA120416PQT01020	T01020	80	12.7	4.76	-	1.6	-	2.6	4	-						●	●	●	●		
	CNGA120420PQS01015	S01015	80	12.7	4.76	-	2	-	2.6	4	-						●	●	●	●		
	CNGA120420PQS01020	S01020	80	12.7	4.76	-	2	-	2.6	4	-						●	●	●	●		
	CNGA120420PQS01325	S01325	80	12.7	4.76	-	2	-	2.6	4	-						●	●	●	●		
	CNGA120420PQS01535	S01535	80	12.7	4.76	-	2	-	2.6	4	-						●	●	●	●		
	CNGA120420PQT01020	T01020	80	12.7	4.76	-	2	-	2.6	4	-						●	●	●	●		



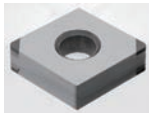
ID Tooling  
G

## CNGA-W with wiper for higher feed



Steel	
Stainless Steel	
Cast Iron	● ● ● ● ○ ○
Non-Ferrous Material	
Heat Resistant Alloy	
Hardened Material	● ● ● ● ●
Others (non-metallic)	

Shape	Item Number (ISO)	CECC	EPSR °	IC mm	S mm	AN °	RE mm	D2 mm	Length of edge	No. of edge	S1 mm	CBN										
												B16 PVD	B22	B23	B30	B36	B6K PVD	B40	B52	B5K PVD		
	CNGA120404PQWS01015	S01015	80	12.7	4.76	-	0.4	-	2.3	4	-						●	●	●	●		
	CNGA120404PQWS01535	S01535	80	12.7	4.76	-	0.4	-	2.3	4	-						●	●	●	●		
	CNGA120408PQWS01015	S01015	80	12.7	4.76	-	0.8	-	2.2	4	-						●	●	●	●		
	CNGA120408PQWS01535	S01535	80	12.7	4.76	-	0.8	-	2.2	4	-						●	●	●	●		
	CNGA120412PQWS01015	S01015	80	12.7	4.76	-	1.2	-	2.7	4	-						●	●	●	●		
	CNGA120412PQWS01535	S01535	80	12.7	4.76	-	1.2	-	2.7	4	-						●	●	●	●		

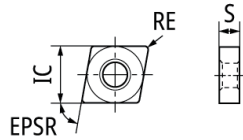


Wiper Width: 0.25mm

Applicable holders: 95°cutting edge angle (C31, CCLN).

# CN.. series/Inserts PCD / Diamond Coating

## CNM.

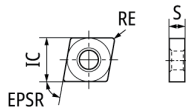


Steel									
Stainless Steel									
Cast Iron									
Non-Ferrous Material	●	●	●						
Heat Resistant Alloy									
Hardened Material									
Others (non-metallic)									●

Shape	Item Number (ISO)	CECC	EPSR °	IC mm	S mm	AN °	RE mm	No. of edge	PCD		Diamond Coating
									PD1	PD2	UC1
	CNMG120404FNZP	Up-sharp edge	80	12.7	4.76	-	0.4	4			●
	CNMG120408FNZP	Up-sharp edge	80	12.7	4.76	-	0.8	4			●
	CNMX120404PF	Up-sharp edge	80	12.7	4.76	-	0.4	1		●	
	CNMX120408PF	Up-sharp edge	80	12.7	4.76	-	0.8	1		●	

# CN.. series/Inserts Carbide

## CN..



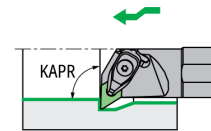
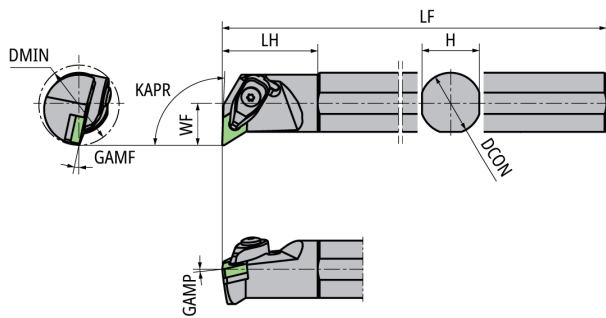
Steel	○	●	●	●	●	●	●	●	●
Stainless Steel	●	○	○	○	●	○	●	●	●
Cast Iron									●
Non-Ferrous Material						○	○		●
Heat Resistant Alloy		●	○	○					
Hardened Material		○	○	○					
Others (non-metallic)									●

Shape	Item Number (ISO)	CECC	EPSR °	IC mm	S mm	AN °	RE mm	BS mm	Carbide										
									PVD ST4	PVD DM4	PVD DT4	PVD QM3	PVD TM4	PVD VM1	PVD ZM3	CVD CP1	CVD CP7	Uncoated KM1	
	CNGG120404FNUL	Up-sharp edge	80	12.7	4.76	-	0.4	-	●	●	●								
	CNGG120408FNUL	Up-sharp edge	80	12.7	4.76	-	0.8	-	●	●	●								
	CNGG120404FNZP	Up-sharp edge	80	12.7	4.76	-	0.4	-	●	●					●				
	CNGG120408FNZP	Up-sharp edge	80	12.7	4.76	-	0.8	-	●	●					●				
	CNMG120408T00525Z5	T00525	80	12.7	4.76	-	0.8	-	●	●									
	CNMG120408G	-	80	12.7	4.76	-	0.8	-											●
	CNMG120412G	-	80	12.7	4.76	-	1.2	-											●
	CNMG120416G	-	80	12.7	4.76	-	1.6	-											●



# DN.. series/Toolholders

## S-WDUN/S-HDUN Multi Clamp Toolholders



- Diagram shows right-hand tool
- RE : Std. corner radius

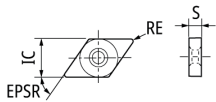
EDP	Item Number	Stock	Hand	DMIN mm	DCON mm	GAMF °	GMAP °	H mm	KAPR °	LF mm	LH mm	RE mm	WF mm	Insert Gage
5682794	S32S-WDUNR15	●	R	42	32	12	6	30	93	250	50	0.8	22	DN..1504.. (DN..1507..)
5701545	S40T-WDUNR15	●	R	50	40	10	6	38	93	300	60	0.8	27	DN..1504.. (DN..1507..)
5682802	S32S-WDUNL15	●	L	42	32	12	6	30	93	250	50	0.8	22	DN..1504.. (DN..1507..)
5701560	S40T-WDUNL15	●	L	50	40	10	6	38	93	300	60	0.8	27	DN..1504.. (DN..1507..)
5701354	S32S-HDUNR15	●	R	42	32	12	6	30	93	250	50	0.8	22	DNGX1507.. -
5701370	S40T-HDUNR15	●	R	50	40	10	6	38	93	300	60	0.8	27	DNGX1507.. -
5701362	S32S-HDUNL15	●	L	42	32	12	6	30	93	250	50	0.8	22	DNGX1507.. -
5701388	S40T-HDUNL15	●	L	50	40	10	6	38	93	300	60	0.8	27	DNGX1507.. -

## Spare Parts

Item Number	Clamp	Shim	Clamp screw	Screw (for Shim)	Wrench (for Clamp screw)	Wrench (for Shim)	Spring
S32S-WDUNR15	DC6DN	ADN423	AOS-6*26W	FSS16-3.0*8	LLR-T20	LLR-T10	ASGL6-D
S40T-WDUNR15	DC6DN	ADN423	AOS-6*30W	FSS16-3.0*8	LLR-T20	LLR-T10	ASGL6-D
S32S-WDUNL15	DC6DN	ADN423	AOS-6*26W	FSS16-3.0*8	LLR-T20	LLR-T10	ASGL6-D
S40T-WDUNL15	DC6DN	ADN423	AOS-6*30W	FSS16-3.0*8	LLR-T20	LLR-T10	ASGL6-D
S32S-HDUNR15	HC6DN	-	AOS-6*26W	-	LLR-T20	-	ASGL6-D
S40T-HDUNR15	HC6DN	-	AOS-6*30W	-	LLR-T20	-	ASGL6-D
S32S-HDUNL15	HC6DN	-	AOS-6*26W	-	LLR-T20	-	ASGL6-D
S40T-HDUNL15	HC6DN	-	AOS-6*30W	-	LLR-T20	-	ASGL6-D



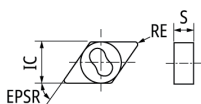
### DNGG-AG with chipbreaker



Steel	
Stainless Steel	
Cast Iron	● ● ● ● ○ ○ ○ ○ ● ● ○ ○
Non-Ferrous Material	
Heat Resistant Alloy	● ● ● ● ● ● ● ● ● ● ● ● ● ●
Hardened Material	● ○ ● ● ● ●
Others (non-metallic)	

Shape	Item Number	CECC	EPSR	IC	S	AN	RE	D1	D2	INSL	S1	W1	BIDEMICS				NTK Ceramix	Alumina Ceramics							Silicon Nitride Ceramics					Whisker Ceramics			
													PVD	PVD	JX1	JX3		HC1	HC2	HC4	HC6	HC7	ZC7	SX3	SX5	SX7	SX9	SX6	SP9	CVD	WA1	WA5	
													120	JP2	450	450		HC1	HW2	HC2	HC4	HC6	HC7	ZC7	SX3	SX5	SX7	SX9	SX6	SP9	CVD	WA1	WA5
													(ISO)	°	mm	mm		°	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
	DNGG150408Z01030AG	Z01030	55	12.7	4.76	-	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	
	DNGG150412Z01030AG	Z01030	55	12.7	4.76	-	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	

### DNGX



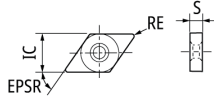
Steel	
Stainless Steel	
Cast Iron	● ● ● ● ○ ○ ○ ○ ● ● ○ ○
Non-Ferrous Material	
Heat Resistant Alloy	● ● ● ● ● ● ● ● ● ● ● ● ● ●
Hardened Material	● ○ ● ● ● ●
Others (non-metallic)	

Shape	Item Number	CECC	EPSR	IC	S	AN	RE	D1	D2	INSL	S1	W1	BIDEMICS				NTK Ceramix	Alumina Ceramics							Silicon Nitride Ceramics					Whisker Ceramics			
													PVD	PVD	JX1	JX3		HC1	HC2	HC4	HC6	HC7	ZC7	SX3	SX5	SX7	SX9	SX6	SP9	CVD	WA1	WA5	
													120	JP2	450	450		HC1	HW2	HC2	HC4	HC6	HC7	ZC7	SX3	SX5	SX7	SX9	SX6	SP9	CVD	WA1	WA5
													(ISO)	°	mm	mm		°	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
	DNGX150716T02025	T02025	55	12.7	7.94	-	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	



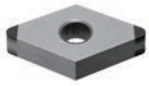
# DN.. series/Inserts CBN

## DNGA



Steel	
Stainless Steel	
Cast Iron	● ● ● ● ○ ○
Non-Ferrous Material	
Heat Resistant Alloy	
Hardened Material	● ● ● ● ●
Others (non-metallic)	

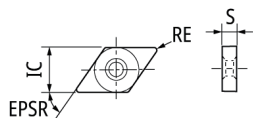
Shape	Item Number (ISO)	CECC	EPSR °	IC mm	S mm	AN °	RE mm	D2 mm	Length of edge	No. of edge	S1 mm	CBN												
												B16 PVD	B22	B23	B30	B36	B6K PVD	B40	B52	B5K PVD				
	DNGA150402PQS01015	S01015	55	12.7	4.76	-	0.2	-	2.4	4	-													
	DNGA150402PQS01325	S01325	55	12.7	4.76	-	0.2	-	2.4	4	-													
	DNGA150402PQS01535	S01535	55	12.7	4.76	-	0.2	-	2.4	4	-													
	DNGA150402PQT01020	T01020	55	12.7	4.76	-	0.2	-	2.4	4	-													
	DNGA150404PDFNX	Up-sharp edge	55	12.7	4.76	-	0.4	-	2.2	2	-													
	DNGA150404PQFNX	Up-sharp edge	55	12.7	4.76	-	0.4	-	2.2	4	-													
	DNGA150404PQS01015	S01015	55	12.7	4.76	-	0.4	-	2.2	4	-													
	DNGA150404PQS01020	S01020	55	12.7	4.76	-	0.4	-	2.2	4	-													
	DNGA150404PQS01325	S01325	55	12.7	4.76	-	0.4	-	2.2	4	-													
	DNGA150404PQS01535	S01535	55	12.7	4.76	-	0.4	-	2.2	4	-													
	DNGA150404PQT01020	T01020	55	12.7	4.76	-	0.4	-	2.2	4	-													
	DNGA150408PDFNX	Up-sharp edge	55	12.7	4.76	-	0.8	-	1.9	2	-													
	DNGA150408PQFNX	Up-sharp edge	55	12.7	4.76	-	0.8	-	1.9	4	-													
	DNGA150408PQS01015	S01015	55	12.7	4.76	-	0.8	-	1.9	4	-													
	DNGA150408PQS01020	S01020	55	12.7	4.76	-	0.8	-	1.9	4	-													
	DNGA150408PQS01325	S01325	55	12.7	4.76	-	0.8	-	1.9	4	-													
	DNGA150408PQS01535	S01535	55	12.7	4.76	-	0.8	-	1.9	4	-													
	DNGA150408PQT01020	T01020	55	12.7	4.76	-	0.8	-	1.9	4	-													
	DNGA150412PDFNX	Up-sharp edge	55	12.7	4.76	-	1.2	-	2.6	2	-													
	DNGA150412PQFNX	Up-sharp edge	55	12.7	4.76	-	1.2	-	2.6	4	-													
	DNGA150412PQS01015	S01015	55	12.7	4.76	-	1.2	-	2.6	4	-													
	DNGA150412PQS01020	S01020	55	12.7	4.76	-	1.2	-	2.6	4	-													
	DNGA150412PQS01325	S01325	55	12.7	4.76	-	1.2	-	2.6	4	-													
	DNGA150412PQS01535	S01535	55	12.7	4.76	-	1.2	-	2.6	4	-													
	DNGA150412PQT01020	T01020	55	12.7	4.76	-	1.2	-	2.6	4	-													
	DNGA150416PQS01015	S01015	55	12.7	4.76	-	1.6	-	2.2	4	-													
	DNGA150416PQS01020	S01020	55	12.7	4.76	-	1.6	-	2.2	4	-													
	DNGA150416PQS01325	S01325	55	12.7	4.76	-	1.6	-	2.2	4	-													
	DNGA150416PQS01535	S01535	55	12.7	4.76	-	1.6	-	2.2	4	-													
	DNGA150416PQT01020	T01020	55	12.7	4.76	-	1.6	-	2.2	4	-													
	DNGA150420PQS01015	S01015	55	12.7	4.76	-	2	-	2.4	4	-													
	DNGA150420PQS01325	S01325	55	12.7	4.76	-	2	-	2.4	4	-													
	DNGA150420PQS01535	S01535	55	12.7	4.76	-	2	-	2.4	4	-													



ID Tooling

# DN.. series/Inserts PCD / Diamond Coating

## DNMX

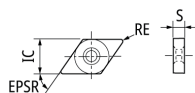


Steel
Stainless Steel
Cast Iron
Non-Ferrous Material
Heat Resistant Alloy
Hardened Material
Others (non-metallic)

Shape	Item Number (ISO)	CECC	EPSR °	IC mm	S mm	AN °	RE mm	No. of edge	PCD		Diamond Coating
									PD1	PD2	UC1
	DNMX150404PF	Up-sharp edge	55	12.7	4.76	-	0.4	1			●
	DNMX150408PF	Up-sharp edge	55	12.7	4.76	-	0.8	1			●

# DN.. series/Inserts Carbide

## DN..



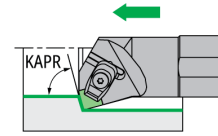
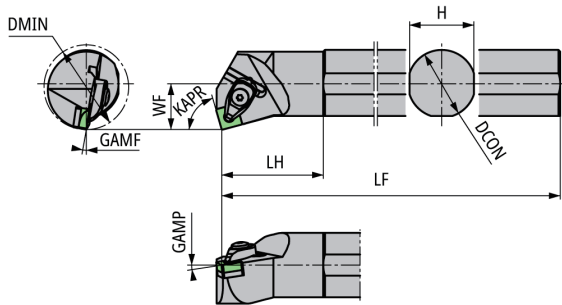
Steel	○	●	●	●	●	●	●	●	●
Stainless Steel	●	○	○	○	●	○	●	●	●
Cast Iron									●
Non-Ferrous Material								○	○
Heat Resistant Alloy		●	○	○					
Hardened Material		○	○	○					
Others (non-metallic)									●

Shape	Item Number (ISO)	CECC	EPSR °	IC mm	S mm	AN °	RE mm	BS mm	Carbide											
									PVD ST4	PVD DM4	PVD DT4	PVD QM3	PVD TM4	PVD VM1	PVD ZM3	CVD CP1	CVD CP7	Uncoated KM1		
	DNGG150404FNZP	Up-sharp edge	55	12.7	4.76	-	0.4	-		●	●									
	DNGG150408FNZP	Up-sharp edge	55	12.7	4.76	-	0.8	-		●	●									
	DNMG150408T00525Z5	T00525	55	12.7	4.76	-	0.8	-		●	●									
	DNMG150404TNG	T01025	55	12.7	4.76	-	0.4	-				●								
	DNMG150404G	-	55	12.7	4.76	-	0.4	-												●
	DNMG150408G	-	55	12.7	4.76	-	0.8	-												●
	DNMG150412G	-	55	12.7	4.76	-	1.2	-												●

ID Tooling G

# SN.. series/Toolholders

## S-WSKN/S-TSKN/S-HSKN Multi Clamp Toolholders



- Diagram shows right-hand tool
- RE : Std. corner radius

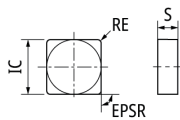
EDP	Item Number	Stock	Hand	DMIN mm	DCON mm	GAMF °	GMAP °	H mm	KAPR mm	LF mm	LH mm	RE mm	WF mm	Insert Gage
5682950	S40T-WSKNR12	●	R	50	40	10	6	38	75	300	60	0.8	27	SN..1204.. (SN..1207..)
5682968	S40T-WSKNL12	●	L	50	40	10	6	38	75	300	60	0.8	27	SN..1204.. (SN..1207..)
5701800	S40T-TSKNR12	●	R	50	40	10	6	38	75	300	60	0.8	27	SN..1204.. (SN..1207..)
5701818	S40T-TSKNL12	●	L	50	40	10	6	38	75	300	60	0.8	27	SN..1204.. (SN..1207..)
5701529	S40T-HSKNR12	●	R	50	40	10	6	38	75	300	60	0.8	27	SNGX1207.. -
5701537	S40T-HSKNL12	●	L	50	40	10	6	38	75	300	60	0.8	27	SNGX1207.. -

## Spare Parts

Item Number	Clamp	Shim	Clamp screw	Screw (for Shim)	Wrench (for Clamp screw)	Wrench (for Shim)	Spring
S40T-WSKNR12	DC6CN	ASN423	AOS-6*30W	FSS16-3.0*8	LLR-T20	LLR-T10	ASGL6-D
S40T-WSKNL12	DC6CN	ASN423	AOS-6*30W	FSS16-3.0*8	LLR-T20	LLR-T10	ASGL6-D
S40T-TSKNR12	TC6CN	ASN423	AOS-6*30W	FSS16-3.0*8	LLR-T20	LLR-T10	ASGL6-D
S40T-TSKNL12	TC6CN	ASN423	AOS-6*30W	FSS16-3.0*8	LLR-T20	LLR-T10	ASGL6-D
S40T-HSKNR12	HC6CN	-	AOS-6*30W	-	LLR-T20	-	ASGL6-D
S40T-HSKNL12	HC6CN	-	AOS-6*30W	-	LLR-T20	-	ASGL6-D

# SN.. series/Inserts BIDE MICS / Ceramics / NTK CeramiX

SNGN



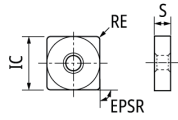
Steel																	
Stainless Steel																	
Cast Iron	●	●	●	●	○	○	○	○	●	●	○	○					
Non-Ferrous Material																	
Heat Resistant Alloy	●	●	●	●								●	●	●	●		
Hardened Material					●			○	●	●	●						
Others (non-metallic)																	

Shape	Item Number (ISO)	CECC	EPSR °	IC mm	S mm	AN °	RE mm	D1 mm	D2 mm	INSL mm	S1 mm	W1 mm	BIDE MICS				NTK CeramiX 450 PVD	Alumina Ceramics							Silicon Nitride Ceramics						Whisker Ceramics						
													120 PVD	JP2 PVD	JX1	JX3		HC1	HW2	HC2	HC4	HC6	HC7	ZC7 PVD	SX3	SX5	SX7	SX9	SX6	SP9 CVD	WA1	WA5					
	SNGN120404T01025	T01025	90	12.7	4.76	-	0.4	-	-	-	-	-	-								●																
	SNGN120408S02025	S02025	90	12.7	4.76	-	0.8	-	-	-	-	-	-										●														
	SNGN120408T00520	T00520	90	12.7	4.76	-	0.8	-	-	-	-	-	-											●													
	SNGN120408T00820	T00820	90	12.7	4.76	-	0.8	-	-	-	-	-	-													●											
	SNGN120408T01020	T01020	90	12.7	4.76	-	0.8	-	-	-	-	-	-														●										
	SNGN120408T01025	T01025	90	12.7	4.76	-	0.8	-	-	-	-	-	-					●			●		●												●		
	SNGN120408T02020	T02020	90	12.7	4.76	-	0.8	-	-	-	-	-	-																								
	SNGN120408T02025	T02025	90	12.7	4.76	-	0.8	-	-	-	-	-	-																								
	SNGN120408Z02025	Z02025	90	12.7	4.76	-	0.8	-	-	-	-	-	-																								
	SNGN120412S02025	S02025	90	12.7	4.76	-	1.2	-	-	-	-	-	-											●													
	SNGN120412T00520	T00520	90	12.7	4.76	-	1.2	-	-	-	-	-	-																								
	SNGN120412T00820	T00820	90	12.7	4.76	-	1.2	-	-	-	-	-	-																								
	SNGN120412T01020	T01020	90	12.7	4.76	-	1.2	-	-	-	-	-	-																								
	SNGN120412T01025	T01025	90	12.7	4.76	-	1.2	-	-	-	-	-	-																								
	SNGN120412T02020	T02020	90	12.7	4.76	-	1.2	-	-	-	-	-	-																								
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	SNGN120412Z02025	Z02025	90	12.7	4.76	-	1.2	-	-	-	-	-	-																								
	SNGN120416S02025	S02025	90	12.7	4.76	-	1.6	-	-	-	-	-	-																								
	SNGN120416T00520	T00520	90	12.7	4.76	-	1.6	-	-	-	-	-	-																								
	SNGN120416T01020	T01020	90	12.7	4.76	-	1.6	-	-	-	-	-	-																								
	SNGN120416T01025	T01025	90	12.7	4.76	-	1.6	-	-	-	-	-	-																								
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	SNGN120416T02025	T02025	90	12.7	4.76	-	1.6	-	-	-	-	-	-																								
	SNGN120416Z02025	Z02025	90	12.7	4.76	-	1.6	-	-	-	-	-	-																								
	SNGN120420T01020	T01020	90	12.7	4.76	-	2	-	-	-	-	-	-																								
	SNGN120420T01025	T01025	90	12.7	4.76	-	2	-	-	-	-	-	-																								
	SNGN120420T02020	T02020	90	12.7	4.76	-	2	-	-	-	-	-	-																								
	SNGN120420T02025	T02025	90	12.7	4.76	-	2	-	-	-	-	-	-																								
	SNGN120424T01025	T01025	90	12.7	4.76	-	2.4	-	-	-	-	-	-																								
	SNGN120424T02020	T02020	90	12.7	4.76	-	2.4	-	-	-	-	-	-																								
	SNGN120708T02025	T02025	90	12.7	7.94	-	0.8	-	-	-	-	-	-																								
	SNGN120712S02025	S02025	90	12.7	7.94	-	1.2	-	-	-	-	-	-																								
	SNGN120712T02025	T02025	90	12.7	7.94	-	1.2	-	-	-	-	-	-																								
	SNGN120716T02025	T02025	90	12.7	7.94	-	1.6	-	-	-	-	-	-																								



ID Tooling G

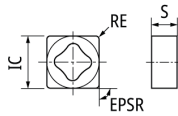
**SNGA**



Material Category	Material	Availability
Steel	Stainless Steel	-
	Cast Iron	● ● ● ● ○ ○ ○ ○ ● ● ○ ○
Non-Ferrous Material		
Heat Resistant Alloy	Heat Resistant Alloy	● ● ● ● ● ● ● ● ● ● ● ●
	Hardened Material	● ○ ● ● ● ●
Others (non-metallic)		

Shape	Item Number (ISO)	CECC	EPSR °	IC mm	S mm	AN °	RE mm	D1 mm	D2 mm	INSL mm	S1 mm	W1 mm	BIDEMICS				Alumina Ceramics					Silicon Nitride Ceramics					Whisker Ceramics						
													120 PVD	JP2 PVD	JX1	JX3	450 PVD	NTK CeramiX	HC1	HW2	HC2	HC4	HC6	HC7	ZC7 PVD	SX3	SX5	SX7	SX9	SX6	SP9 CVD	WA1	WA5
	SNGA120408S02025	S02025	90	12.7	4.76	-	0.8	-	-	-	-	-	-																				
	SNGA120408T01025	T01025	90	12.7	4.76	-	0.8	-	-	-	-	-	-																				
	SNGA120408T02020	T02020	90	12.7	4.76	-	0.8	-	-	-	-	-	-																				
	SNGA120412S02025	S02025	90	12.7	4.76	-	1.2	-	-	-	-	-	-																				
	SNGA120412T01025	T01025	90	12.7	4.76	-	1.2	-	-	-	-	-	-																				
	SNGA120412T02020	T02020	90	12.7	4.76	-	1.2	-	-	-	-	-	-																				
	SNGA120416T02020	T02020	90	12.7	4.76	-	1.6	-	-	-	-	-	-																				

**SNGX**



Material Category	Material	Availability
Steel	Stainless Steel	-
	Cast Iron	● ● ● ● ○ ○ ○ ○ ● ● ○ ○
Non-Ferrous Material		
Heat Resistant Alloy	Heat Resistant Alloy	● ● ● ● ● ● ● ● ● ● ● ●
	Hardened Material	● ○ ● ● ● ●
Others (non-metallic)		

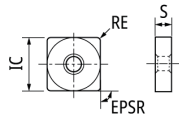
Shape	Item Number (ISO)	CECC	EPSR °	IC mm	S mm	AN °	RE mm	D1 mm	D2 mm	INSL mm	S1 mm	W1 mm	BIDEMICS				Alumina Ceramics					Silicon Nitride Ceramics					Whisker Ceramics				
													120 PVD	JP2 PVD	JX1	JX3	450 PVD	NTK CeramiX	HC1	HW2	HC2	HC4	HC6	HC7	ZC7 PVD	SX3	SX5	SX7	SX9	SX6	SP9 CVD
	SNGX120712T02025	T02025	90	12.7	7.94	-	1.2	-	-	-	-	-																			
	SNGX120716T02025	T02025	90	12.7	7.94	-	1.6	-	-	-	-	-																			

ID Tooling



# SN.. series/Inserts CBN

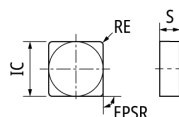
## SNGA



Steel										
Stainless Steel										
Cast Iron										
Non-Ferrous Material										
Heat Resistant Alloy										
Hardened Material										
Others (non-metallic)										

Shape	Item Number (ISO)	CECC	EPSR °	IC mm	S mm	AN °	RE mm	D2 mm	Length of edge	No. of edge	S1 mm	CBN									
												B16 PVD	B22	B23	B30	B36	B6K PVD	B40	B52	B5K PVD	
	SNGA120402PES01325	S01325	90	12.7	4.76	-	0.2	-	2.3	8	-						●	●	●		
	SNGA120404PES01015	S01015	90	12.7	4.76	-	0.4	-	2.3	8	-						●	●			
	SNGA120404PES01020	S01020	90	12.7	4.76	-	0.4	-	2.3	8	-		●								
	SNGA120404PES01325	S01325	90	12.7	4.76	-	0.4	-	2.3	8	-					●					
	SNGA120404PES01535	S01535	90	12.7	4.76	-	0.4	-	2.3	8	-						●	●			
	SNGA120404PET01020	T01020	90	12.7	4.76	-	0.4	-	2.3	8	-				●						
	SNGA120408PES01015	S01015	90	12.7	4.76	-	0.8	-	2.3	8	-						●	●			
	SNGA120408PES01020	S01020	90	12.7	4.76	-	0.8	-	2.3	8	-			●							
	SNGA120408PES01325	S01325	90	12.7	4.76	-	0.8	-	2.3	8	-					●					
	SNGA120408PES01535	S01535	90	12.7	4.76	-	0.8	-	2.3	8	-						●	●			
	SNGA120408PET01020	T01020	90	12.7	4.76	-	0.8	-	2.3	8	-				●						
	SNGA120412PES01015	S01015	90	12.7	4.76	-	1.2	-	2.8	8	-					●		●			
	SNGA120412PES01020	S01020	90	12.7	4.76	-	1.2	-	2.8	8	-			●							
	SNGA120412PES01325	S01325	90	12.7	4.76	-	1.2	-	2.8	8	-					●					
	SNGA120412PES01535	S01535	90	12.7	4.76	-	1.2	-	2.8	8	-						●	●			
	SNGA120412PET01020	T01020	90	12.7	4.76	-	1.2	-	2.8	8	-				●						
	SNGA120416PES01015	S01015	90	12.7	4.76	-	1.6	-	2.8	8	-							●			
	SNGA120416PES01325	S01325	90	12.7	4.76	-	1.6	-	2.8	8	-					●					
	SNGA120416PET01020	T01020	90	12.7	4.76	-	1.6	-	2.8	8	-				●						

## SNMN



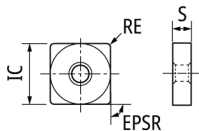
Steel										
Stainless Steel										
Cast Iron										
Non-Ferrous Material										
Heat Resistant Alloy										
Hardened Material										
Others (non-metallic)										

Shape	Item Number (ISO)	CECC	EPSR °	IC mm	S mm	AN °	RE mm	D2 mm	Length of edge	No. of edge	S1 mm	CBN									
												B16 PVD	B22	B23	B30	B36	B6K PVD	B40	B52	B5K PVD	
	SNMN120408ST01025	T01025	90	12.7	4.76	-	0.8	-	-	8	-	●									
	SNMN120412ST02025	T02025	90	12.7	4.76	-	1.2	-	-	8	-	●									
	SNMN120416ST02025	T02025	90	12.7	4.76	-	1.6	-	-	8	-	●									


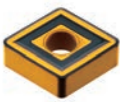
ID Tooling G

# SN.. series/Inserts Carbide

## SNMG

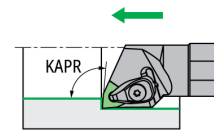
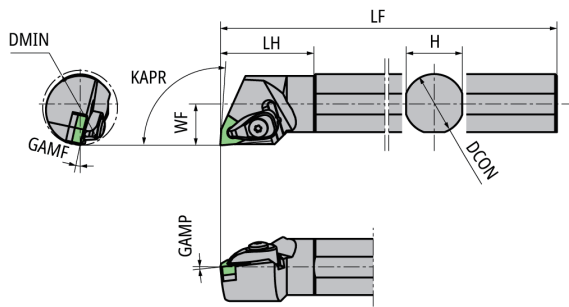


Steel	○	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Stainless Steel	●	○	○	○	●	○	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Cast Iron																						●	
Non-Ferrous Material													○			○							●
Heat Resistant Alloy													●	○	○								
Hardened Material													○	○	○								
Others (non-metallic)																							●

Shape	Item Number (ISO)	CECC	EPSR °	IC mm	S mm	AN °	RE mm	BS mm	Carbide															
									PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	CVD	CVD	Uncoated		
									ST4	DM4	DT4	QMB	TM4	VM1	ZM3	CP1	CP7	KM1	Uncoated					
	SNMG120408T00525Z5	T00525	90	12.7	4.76	-	0.8	-		●		●												
	SNMG120408G	-	90	12.7	4.76	-	0.8	-																●
	SNMG120412G	-	90	12.7	4.76	-	1.2	-																●
	SNMG120416G	-	90	12.7	4.76	-	1.6	-																●

# WN.. series/Toolholders

## S-WWLN Multi Clamp Toolholders



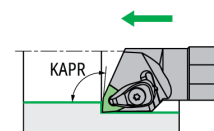
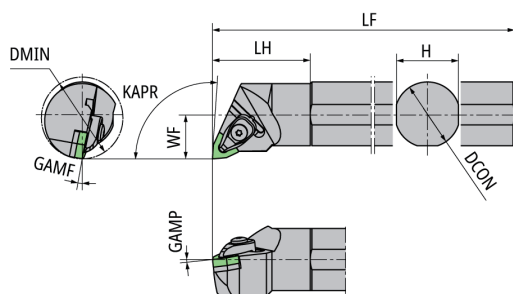
- Diagram shows right-hand tool
- RE : Std. corner radius

EDP	Item Number	Stock	Hand	DMIN mm	DCON mm	GAMF °	GMAP °	H mm	KAPR mm	LF mm	LH mm	RE mm	WF mm	Insert Gage
5683032	S25R-WWLN08	●	R	33	25	14	6	24	95	200	40	0.8	17	WN..0804.. (WN..0807..)
5683057	S32S-WWLN08	●	R	40	32	12	6	30	95	250	50	0.8	22	WN..0804.. (WN..0807..)
5683073	S40T-WWLN08	●	R	50	40	10	6	38	95	300	60	0.8	27	WN..0804.. (WN..0807..)
5683040	S25R-WWLN08	●	L	33	25	14	6	24	95	200	40	0.8	17	WN..0804.. (WN..0807..)
5683065	S32S-WWLN08	●	L	40	32	12	6	30	95	250	50	0.8	22	WN..0804.. (WN..0807..)
5683081	S40T-WWLN08	●	L	50	40	10	6	38	95	300	60	0.8	27	WN..0804.. (WN..0807..)

## Spare Parts

Item Number	Clamp	Shim	Clamp screw	Screw (for Shim)	Wrench (for Clamp screw)	Wrench (for Shim)	Spring
S25R-WWLN08	DC6CN	AWN423-W	AOS-6*26W	FSS16-3.0*8	LLR-T20	LLR-T10	ASGL6-D
S32S-WWLN08	DC6CN	AWN423-W	AOS-6*30W	FSS16-3.0*8	LLR-T20	LLR-T10	ASGL6-D
S40T-WWLN08	DC6CN	AWN423-W	AOS-6*30W	FSS16-3.0*8	LLR-T20	LLR-T10	ASGL6-D
S25R-WWLN08	-	-	AOS-6*26W	FSS16-3.0*8	LLR-T20	LLR-T10	ASGL6-D
S32S-WWLN08	-	-	AOS-6*30W	FSS16-3.0*8	LLR-T20	LLR-T10	ASGL6-D
S40T-WWLN08	-	-	AOS-6*30W	FSS16-3.0*8	LLR-T20	LLR-T10	ASGL6-D

## S-WWLN-2 Multi Clamp Toolholders



- Diagram shows right-hand tool
- RE : Std. corner radius

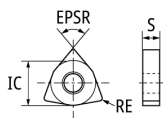
EDP	Item Number	Stock	Hand	DMIN mm	DCON mm	GAMF °	GMAP °	H mm	KAPR mm	LF mm	LH mm	RE mm	WF mm	Insert Gage
5701594	S40T-WWLN08-2	●	R	50	40	10	6	38	95	300	60	0.8	27	WN..0804.. (WN..0807..)
5701602	S40T-WWLN08-2	●	L	50	40	10	6	38	95	300	60	0.8	27	WN..0804.. (WN..0807..)

## Spare Parts

Item Number	Clamp	Shim	Clamp screw	Screw (for Shim)	Wrench (for Clamp screw)	Wrench (for Shim)	Spring
S40T-WWLN08-2	DC6CN	AWN423-W	AOS-6*30W	FSS16-3.0*8	LLR-T20	LLR-T10	ASGL6-D
S40T-WWLN08-2	-	-	AOS-6*30W	FSS16-3.0*8	LLR-T20	LLR-T10	ASGL6-D

# WN.. series/Inserts BIDE MICS / Ceramics / NTK CeramiX

## WNGA

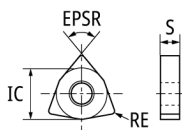


Steel															
Stainless Steel															
Cast Iron	●	●	●	●	○	○	○	○	○	●	●	○	○		
Non-Ferrous Material															
Heat Resistant Alloy	●	●	●	●					●	●	●	●		●	●
Hardened Material								●	○	●	●	●			
Others (non-metallic)															

Shape	Item Number (ISO)	EPSR °	IC mm	S mm	AN °	RE mm	D1 mm	D2 mm	INSL mm	S1 mm	W1 mm	BIDE MICS				Ceramics												
												120 PVD	JP2 PVD	JX1 PVD	JX3 PVD	Alumina Ceramics				Silicon Nitride Ceramics				Whisker Ceramics				
CECC												450 PVD	HC1	HW2	HC2	HC4	HC6	HC7	ZC7 PVD	SX3	SX5	SX7	SX9	SX6 CVD	SP9 CVD	WA1	WA5	
	WNGA080408T00520	T00520	80	12.7	4.76	-	0.8	-	-	-	-	-														●		
	WNGA080408T01020	T01020	80	12.7	4.76	-	0.8	-	-	-	-	-																
	WNGA080408T02020	T02020	80	12.7	4.76	-	0.8	-	-	-	-	-																
	WNGA080412T00520	T00520	80	12.7	4.76	-	1.2	-	-	-	-	-															●	
	WNGA080412T01020	T01020	80	12.7	4.76	-	1.2	-	-	-	-	-																
	WNGA080412T02020	T02020	80	12.7	4.76	-	1.2	-	-	-	-	-																
	WNGA080416T02020	T02020	80	12.7	4.76	-	1.6	-	-	-	-	-																

## WN.. series/Inserts Carbide

## WN..



Steel	○	●	●	●	●	●	●	●																			
Stainless Steel	●	○	○	○	○	○	○	○																			
Cast Iron																											●
Non-Ferrous Material																											●
Heat Resistant Alloy																											
Hardened Material																											
Others (non-metallic)																											●

Shape	Item Number (ISO)	CECC	EPSR °	IC mm	S mm	AN °	RE mm	BS mm	Carbide																			
									ST4 PVD	DM4 PVD	DT4 PVD	QM3 PVD	TM4 PVD	VM1 PVD	ZM3 PVD	CP1 CVD	CP7 CVD	KM1 Uncoated										
	WNGG080404FNUL	Up-sharp edge	80	12.7	4.76	-	0.4	-		●	●	●																
	WNGG080408FNUL	Up-sharp edge	80	12.7	4.76	-	0.8	-		●	●	●																
	WNGG080404FNZP	Up-sharp edge	80	12.7	4.76	-	0.4	-		●	●	●																
	WNGG080408FNZP	Up-sharp edge	80	12.7	4.76	-	0.8	-		●	●	●																
	WNMG080408T00525Z5	T00525	80	12.7	4.76	-	0.8	-		●	●	●																
	WNMG080412T00525Z5	T00525	80	12.7	4.76	-	1.2	-		●	●	●																
	WNMG080408G	-	80	12.7	4.76	-	0.8	-																			●	
	WNMG080412G	-	80	12.7	4.76	-	1.2	-																			●	