

D-type double-clamping tool holder

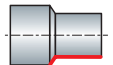



Applications sketch map of turning tools

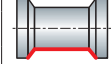
External and internal turning

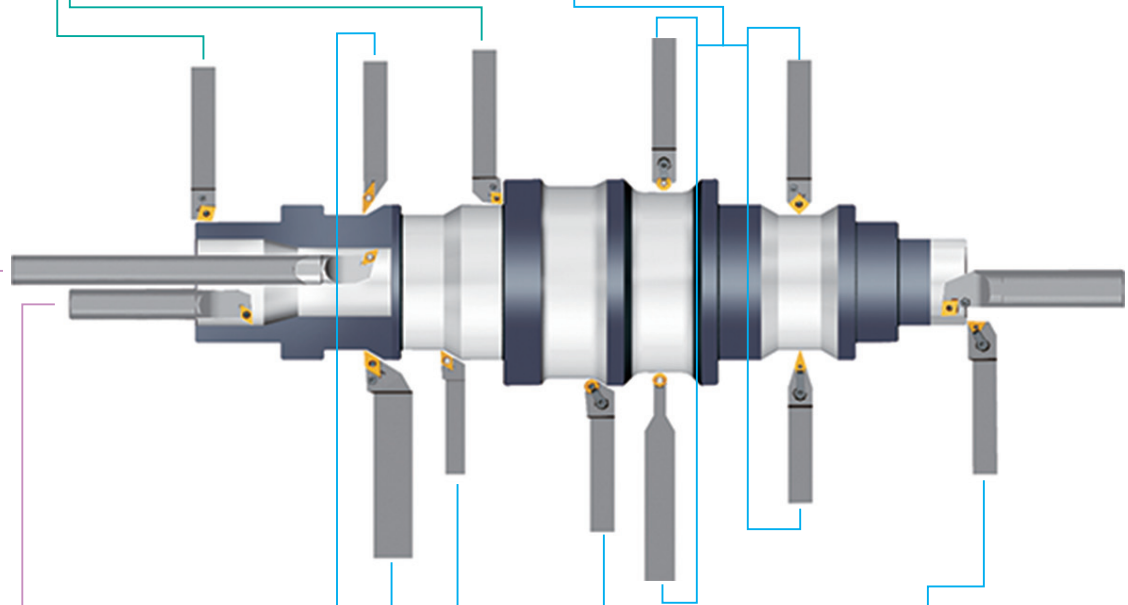
General turning

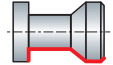
Applications sketch map of turning tools


External turning	Tool holder type						
	DTGNR/L□□	DSBNR/L□□	PCBNR/L□□	PSBNR/L□□	PSSNR/L□□	PTGNR/L□□	PTTNR/L□□
	SCACR/L□□	SSBCR/L□□	SSSCR/L□□	STACR/L□□	STGCR/L□□	STECR/L□□	SWACR/L□□


External and end surface turning	Tool holder type
	DCLNR/L□□ DWLNR/L□□
	PCLNR/L□□ PWLNR/L□□
	SCLCR/L□□

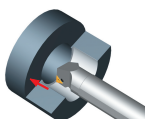
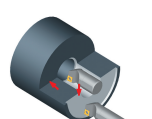
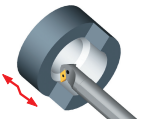

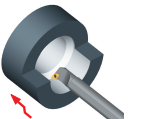
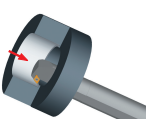
Profile turning	Tool holder type			
	DVVNN□□	PDPNN□□	PSDNN□□	SDNCN□□
	SVVBN□□	SVVCN□□	SSDCN□□	SRDCN□□
	CKNNR/L□□			

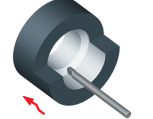
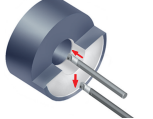
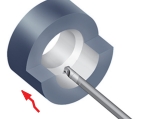
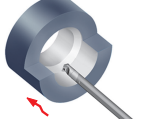


Profile turning	Tool holder type		
	DDJNR/L□□	DVJNR/L□□	PDJNR/L□□
	SDACR/L□□	SDJCR/L□□	SVABR/L□□
	SVJBR/L□□	SVJCR/L□□	CKJNR/L□□

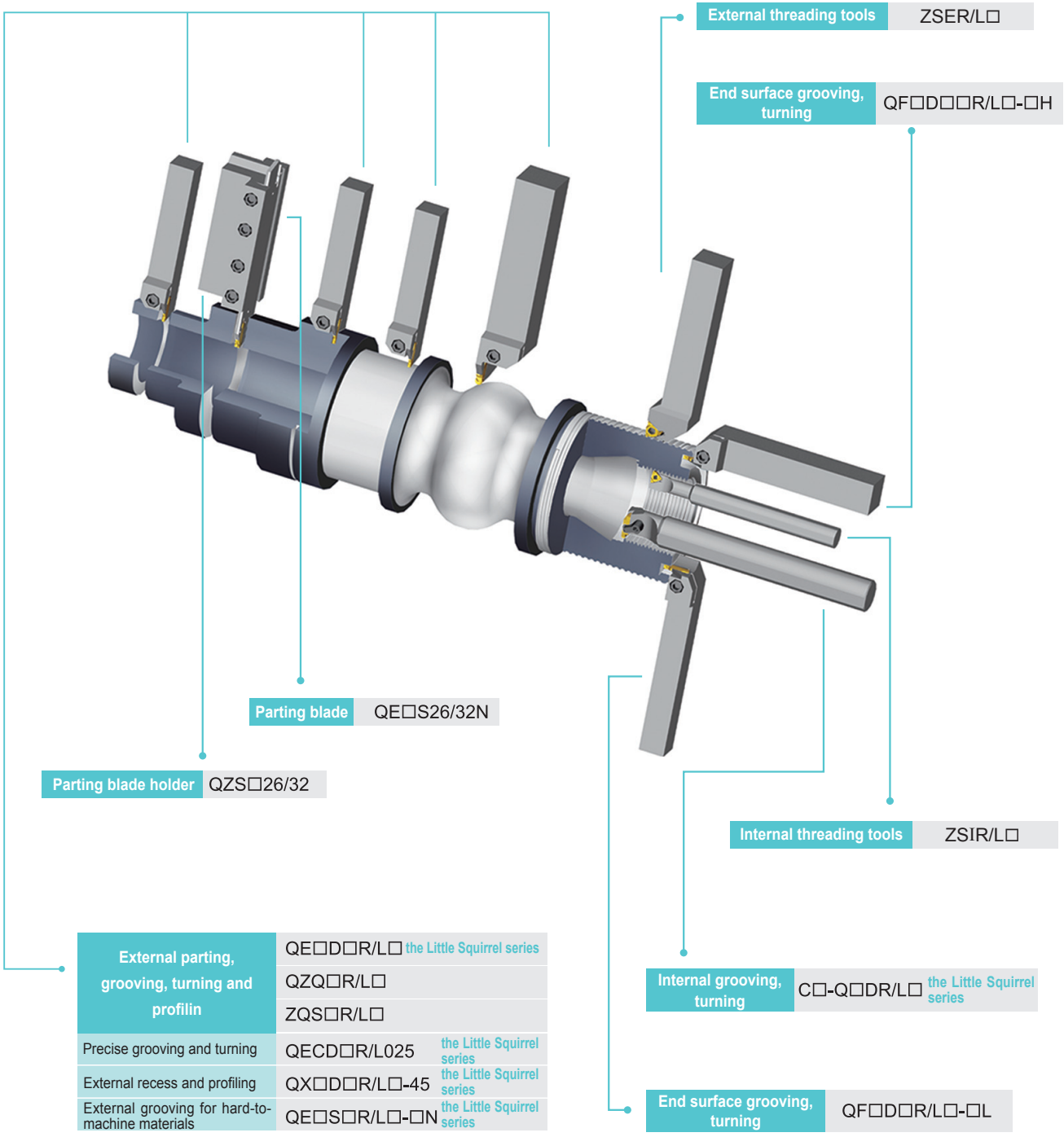
Profile turning	Tool holder type
	SRGCR/L□□

End surface turning	Tool holder type	
	PSKNR/L□□	PTFNR/L□□
	SSKCR/L□□	STFCR/L□□

Tool holders for internal turning (Steel tool shank)						
	S□-PSKNR/L□	S□-PCLNR/L□	S□-PDPNR/L□	S□-PDUNR/L□	S□-SDQCR/L□	S□-SDZCR/L□
	S□-PTFNR/L□	S□-PWLNR/L□		S□-SDUCR/L□	S□-SDQPR/L□	
	S□-SCFCR/L□	S□-SCLCR/L□		S□-SDUPR/L□	S□-SVQBR/L□	
	S□-SSKCR/L□	S□-SCLPR/L□		S□-SVUBR/L□	S□-SVQCR/L□	
	S□-STFCR/L□			S□-SVUCR/L□		
	S□-STUPR/L□					

Tool holders for internal turning (Cemented carbide tool shank)				
	C□-STUPR/L□	C□-SCLPR/L□	C□-SDUPR/L□ C□-SVUCR/L□	C□-SDQPR/L□ C□-SVQCR/L□

● Parting, grooving and threading tools



General turning

Applications sketch map of turning tools

How to select external turning tools

How to select external turning tools

Explanation of external turning tools detailed table

- Listed according to clamping types.

Approach angle of tools

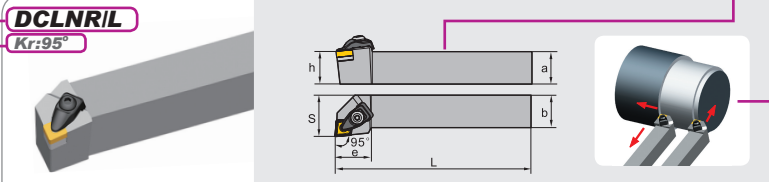
Tools type
The first 4 letters in the type description stands for tool shape and application

Inserts type

Specification chart

Application chart
The arrow shows suitable applications such as external turning, profiling and end turning, etc.

Corresponding tool holders of insert **CN** **D-type clamping**



Type	Stock		Basic dimensions(mm)						Screw	Shim	Wrench	Clamp	Shim screw	Spring	
	R	L	a	b	L	h	s	e							
DCLNR/L	1616H09	▲	△	16	16	100	16	20	24	CM5×22C	C09BM	WH30L	C1RA	SM5×8.65XA1	SPR6
	2020K09	▲	△	20	20	125	20	25	24						
	2525M09	▲	△	25	25	150	25	32	24	CM6×25C	C12BM	WH40L	C2RA	SM6×10XA1	SPR4
	2020K12	▲	▲	20	20	125	20	25	28						
	2525M12	▲	▲	25	25	150	25	32	28						
	3225P12	▲	▲	32	25	170	32	32	28						

▲Stock available △Make-to-order

Applicable inserts						
Application	For finishing	For semi-finishing	For roughing	For heavy machining	For cast iron machining	PCBN&PCD inserts
Inserts shape	DF Wiper A54	WGM Wiper A55	DR Double side A58	HDR A59	Without chipbreaker A59	A118
	WGF Wiper A54	PM A55	DR Single side A58	HPR A59		A118 -A119
	SF A54	DM A56	ER Double side A58			A119
	EF A54	EM A56	ER Single side A58			
	NF A55	NM A57	SNR Double side A58			
			LR Single side A57			
Tool holder type	DCLNR/L □□H/K/M09		CN□□0903□□	CN□□0903□□		
	DCLNR/L □□K/M/P12		CN□□1204□□	CN□□1204□□	CN□□1204□□	CN□□1204□□

Products specification
Including product description, stock (left and right hand), basic dimensions and applicable spare parts.

Applicable inserts
Including applications of inserts, reference page, insert shape and corresponding tool holders.



TURNING



External Turning Tools >>>

External turning tools overview ● A158-A161

External turning tools code key ● A162-A163

Detailed table of external turning tools ● A166-A204

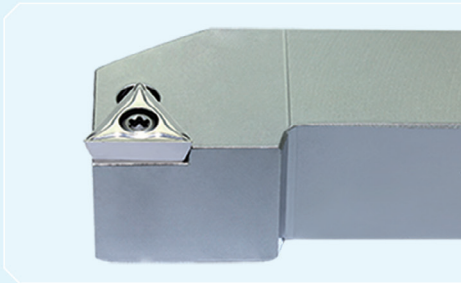
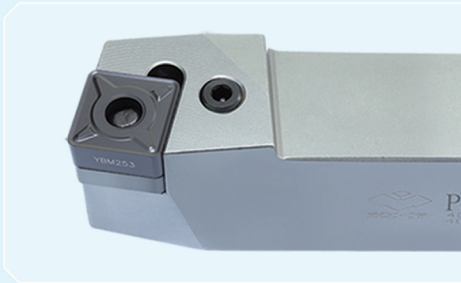
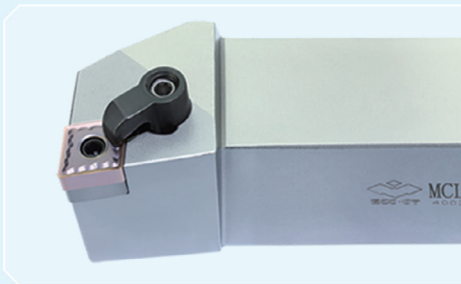
External turning tool holders by D type clamping ● A166-A171

External turning tool holders by P type clamping ● A172-A183

External turning tool holders by S type clamping ● A184-A203

External turning tool holders by C type clamping ● A204

Detailed table of external turning tools (ceramic) ● A205





External turning tools overview

General turning

External turning tools overview

Clamping system	Tool type	Approach angle (K ^o)	Turning type						Applicable workpiece shape		Page
			External turning	End surface turning	External and end surface turning	Profile turning	Profile turning	Profile turning	Short, Thick	Thin, Long	
											
D	 DCLNR/L	95			☺				☺		A166
	 DDJNR/L	93				☺		☺	☺		A167
	 DSBNR/L	75	☺						☺		A168
	 DTGNR/L	91	☺						☺	☺	A169
	 DVVNN	72.5						☺	☺		A170
	 DVJNR/L	93					☺		☺	☺	A170
	 DWLNR/L	95			☺				☺		A171
P	 PCBNR/L	75	☺						☺		A172
	 PCLNR/L	95			☺				☺		A173
	 PDJNR/L	93					☺		☺	☺	A174
	 PDPNN	62.5						☺	☺		A175

☺ Recommended ☺ Available



Clamping system	Tool type	Approach angle (K _r)°	Turning type						Applicable workpiece shape		Page
			External turning	End surface turning	External and end surface turning	Profile turning	Profile turning	Profile turning	Short, Thick	Thin, Long	
P	PSBNR/L 	75	☺						☺		A176
	PSDNN 	45						☺	☺		A177
	PSKNR/L 	75		☺					☺		A178
	PSSNR/L 	45	☺						☺		A179
	PTFNR/L 	90		☺					☺	☺	A180
	PTTNR/L 	60	☺						☺		A181
	PTGNR/L 	90	☺						☺	☺	A182
	PWLNRL/L 	95			☺				☺		A183
S	SCACR/L 	90	☺						☺	☺	A184
	SCLCR/L 	95			☺				☺	☺	A185
	SDACR/L 	90					☺		☺	☺	A186

☺ Recommended ☺ Available

General turning

External turning tools overview





















External turning tools overview

General turning

External turning tools overview

Clamping system	Tool type	Approach angle (K ^r)	Turning type						Applicable workpiece shape		Page
			External turning	End surface turning	External and end surface turning	Profile turning	Profile turning	Profile turning	Short, Thick	Thin, Long	
S	SDJCR/L	93									A187
	SDNCN	62.5									A188
	SVJBR/L	93									A189
	SVABR/L	90									A190
	SVVBN	72.5									A191
	SVVCN	72.5									A192
	SVJCR/L	93									A193
	SSBCR/L	75									A194
	SSDCN	45									A195
	SSKCR/L	75									A196
	SSSCR/L	45									A197

Recommended Available

Clamping system	Tool type	Approach angle (K _r)°	Turning type						Applicable workpiece shape		Page
			External turning	End surface turning	External and end surface turning	Profile turning	Profile turning	Profile turning	Short, Thick	Thin, Long	
											
S	STACR/L 	90	☺						☺	☺	A198
	STFCR/L 	90		☺					☺		A198
	STGCR/L 	91	☺						☺	☺	A199
	STECR/L 	60	☺						☺		A200
	SWACR/L 	90	☺						☺	☺	A201
	SRDCN 	--						☺	☺		A202
	SRGCR/L 	--				☺			☺		A203
C	CKJNR/L 	93					☺		☺		A204
	CKNNR/L 	63						☺	☺		A204
	CRDCR/L CRDPR/L 	--					☺		☺		A205

☺ Recommended ☹ Available

General turning

External turning tools overview



TURNING

General Turning Tools

External turning tools code key

General turning

External turning tools code key

Clamping system
D – double clamping
P – Hole clamping
S – Screw on
C – Top clamping

Insert shape	
C	D
R	S
T	V
W	

Clearance angle of insert	
B	
C	
D	
E	
N	
P	

Cutting direction
L - Left-hand
R - Right-hand
N - Right and left hand

P

C

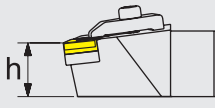
L

N

L

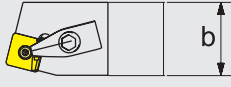
Tool holder style and approach angle							
A	B	C	D	E	F	G	H
J	K	L	M	N	O	P	Q
R	S	T	U	V	W	X	

Nose height (mm)



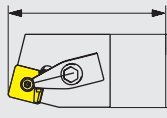
Code	Height
12	12
16	16
20	20
25	25
32	32
40	40
50	50

Width of tool holder (mm)



Code	Width
12	12
16	16
20	20
25	25
32	32
40	40
50	50

Length of tool holder (mm)






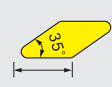


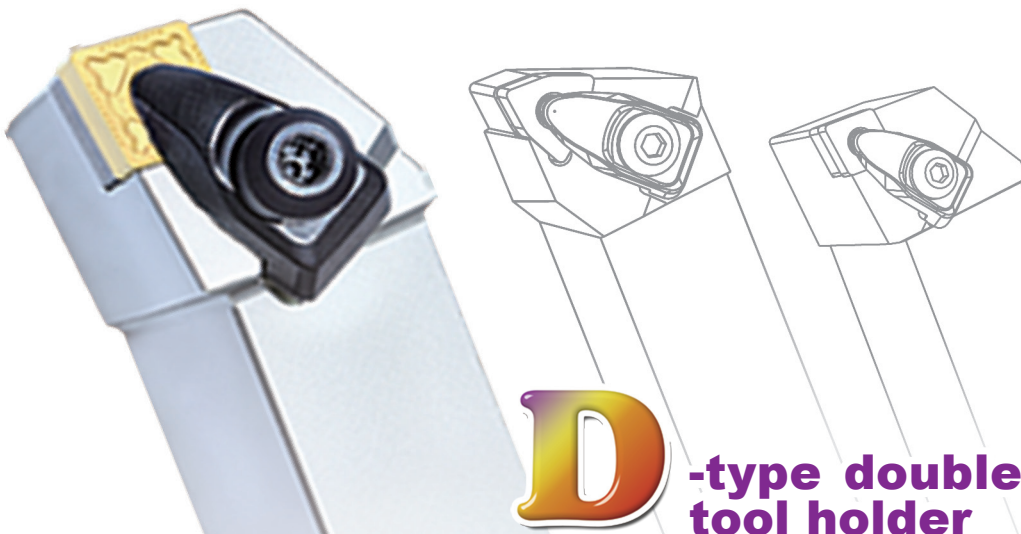
Code	Length
E	70
F	80
H	100
K	125
M	150
P	170
Q	180
R	200
S	250
T	300

25 25 M 12

General turning

External turning tools code key

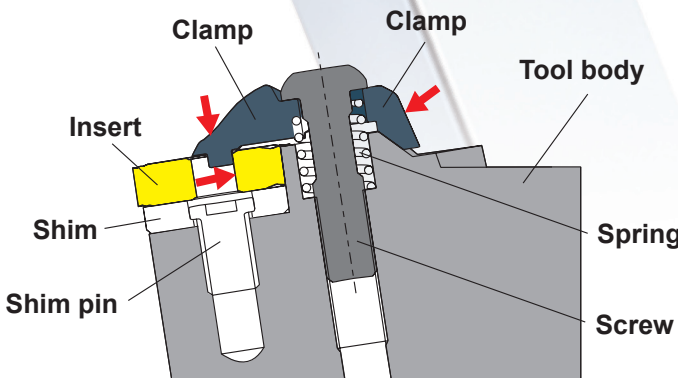
Length of cutting edge							
Inserts shape	C	D	R	S	T	V	W
							
Inscribed circle (mm)	Length of cutting edge(mm)						
5.556	---	---	---	---	09	---	---
6.350	06	07	---	---	11	---	---
9.525	09	11	09	09	16	16	06
12.700	12	15	12	12	22	22	08
15.875	16	19	15	15	27	---	---
19.050	19	---	19	19	33	---	---
25.400	25	---	25	25	44	---	---
32.000	---	---	32	---	---	---	---



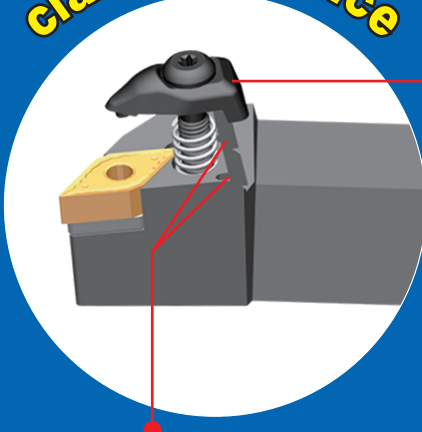
D

-type double-clamping tool holder

With newly developed double-clamping structure, D-type turning tools have high clamping rigidity and high positioning accuracy, achieving easy and secure clamping of inserts. It is the best choice for the clamping of straight hole negative inserts.



Convenient secure clamping device



Slots in the tool body match perfectly with the clamp, realizing simple and easy clamping.

Uniquely clamp

The clamp and the inner wall of insert hole make an arc contact. The stable and evenly distributed clamping force ensures more secure clamping.

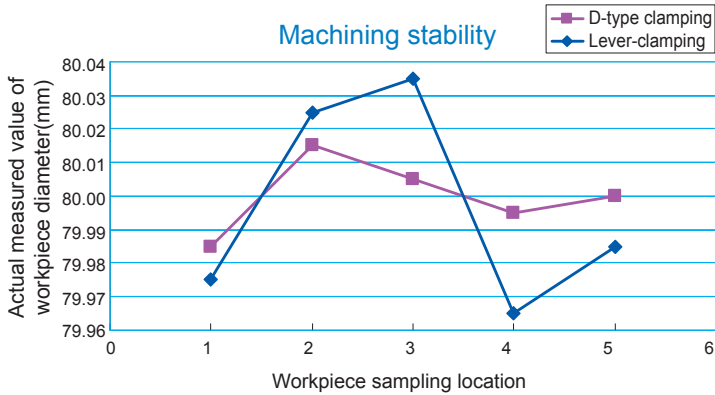
lug boss on both ends and double-locating make more insert clamp secure .

Arc locating surface makes large contact area and the force is evenly distributed.

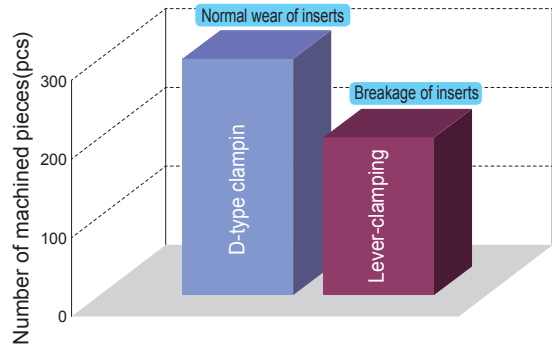
Simple and compact structure effectively prevents chip blocking while ensuring high clamping rigidity.

Compared with lever-clamping:

① Accurate locating ensures more stable machining accuracy.



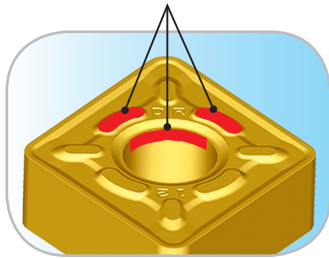
② High clamping rigidity effectively improves resistance to breakage of insert.



Compared with similar products of company A:

① Locating surface contact: (checking the contact location of clamp by dyeing)

Force evenly distributed, firm clamping, high locating accuracy.



ZCC-CT

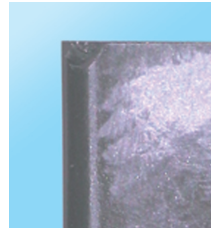


Similar product of company A

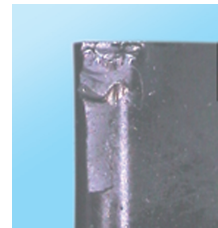
② Effect on tool life:

Tool holder: DCLNL3225P12
 Insert: YBC252/CNMG120408-DR
 Cutting material: 45# steel
 Cutting parameters: $V_c=250\text{m/min}$
 $a_p=2\text{mm}$
 $f=0.6\text{mm/r}$

After 60 minutes of cutting



ZCC-CT



Similar product of company A



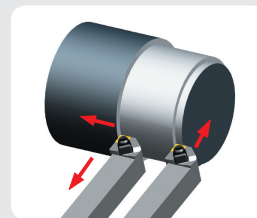
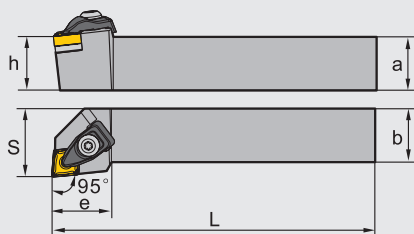
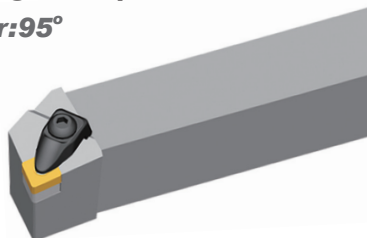


External turning tools

Corresponding tool holders of insert **CN** D-type clamping

DCLNR/L

Kr:95°



Type		Stock		Basic dimensions(mm)						Screw	Shim	Wrench	Clamp	Shim screw	Spring
		R	L	a	b	L	h	s	e						
DCLNR/L	1616H09	▲	△	16	16	100	16	20	24	CM5×22C	C09BM	WH30L	C1RA	SM5×8.65XA1	SPR6
	2020K09	▲	△	20	20	125	20	25	24						
	2525M09	▲	△	25	25	150	25	32	24						
	2020K12	▲	▲	20	20	125	20	25	28	CM6×25C	C12BM	WH40L	C2RA	SM6×10XA1	SPR4
	2525M12	▲	▲	25	25	150	25	32	28						
	3225P12	▲	▲	32	25	170	32	32	28						

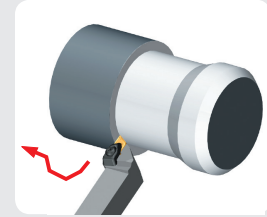
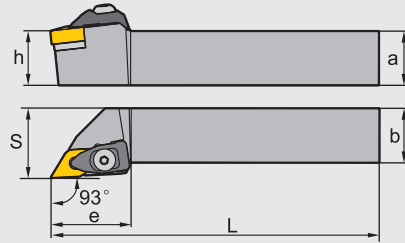
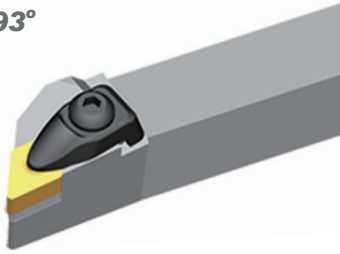
▲Stock available △Make-to-order

Applicable inserts

Application	For finishing	For semi-finishing	For roughing	For heavy machining	For cast iron machining	PCBN&PCD inserts
Inserts shape	DF Wiper A54	WGM Wiper A55	DR Double-side A58	HDR A59	Without chipbreaker A59	A118
	WGF Wiper A54	PM A55	DR Single-side A58	HPR A59		A118 -A119
	SF A54	DM A56	ER Double-side A58			A119
	EF A54	EM A56	ER Single-side A58			
	NF A55	NM A57	SNR Double-side A58			
			LR Single-side A57			
Tool holder type	DCLNR/L <input type="checkbox"/> <input type="checkbox"/> H/K/M09	CN <input type="checkbox"/> <input type="checkbox"/> 0903 <input type="checkbox"/> <input type="checkbox"/>	CN <input type="checkbox"/> <input type="checkbox"/> 0903 <input type="checkbox"/> <input type="checkbox"/>			
	DCLNR/L <input type="checkbox"/> <input type="checkbox"/> K/M/P12	CN <input type="checkbox"/> <input type="checkbox"/> 1204 <input type="checkbox"/> <input type="checkbox"/>	CN <input type="checkbox"/> <input type="checkbox"/> 1204 <input type="checkbox"/> <input type="checkbox"/>	CN <input type="checkbox"/> <input type="checkbox"/> 1204 <input type="checkbox"/> <input type="checkbox"/>	CN <input type="checkbox"/> <input type="checkbox"/> 1204 <input type="checkbox"/> <input type="checkbox"/>	CN <input type="checkbox"/> <input type="checkbox"/> 1204 <input type="checkbox"/> <input type="checkbox"/>

Corresponding tool holders of insert **DN** D-type clamping

DDJNR/L
Kr:93°



Type	Stock		Basic dimensions(mm)							Screw	Shim	Wrench	Clamp	Shim screw	Spring
	R	L	a	b	L	h	s	e							
DDJNR/L	1616H11	△	△	16	16	100	16	20	30	CM5×22C	D11BM	WH30L	C1RA	SM5×8.65XA1	SPR6
	2020K11	▲	△	20	20	125	20	25	30						
	2525M11	▲	△	25	25	150	25	32	30						
	3225P11	△	△	32	25	170	32	32	30						
	2020K15	▲	▲	20	20	125	20	25	35	CM6×25C	D15BM	WH40L	C2RA	SM6×10XA1	SPR4
	2525M15	▲	▲	25	25	150	25	32	35						
	3232P15	▲	▲	32	32	170	32	40	35						

▲Stock available △Make-to-order

Applicable inserts

Application	For finishing	For semi-finishing	For roughing	For heavy machining	For cast iron machining	PCBN&PCD inserts
Inserts shape	DF A61	WGM Wiper A63	DR Double-side A65	HDR A66	Without chipbreaker A66	 A121 -A122
	WGF Wiper A61	PM A63	DR Single-side A65			 A122 -A123
	SF A62	DM A64	ER Double-side A65			 A124
	EF A62	EM A64	ER Single-side A65			
	NF A62	NM A64	SNR Double-side A65			
	NGF A62		LR Single-side A65			
Tool holder type	DDJNR/L <input type="checkbox"/> <input type="checkbox"/> H/K/M/P11	DN <input type="checkbox"/> <input type="checkbox"/> 1104 <input type="checkbox"/> <input type="checkbox"/>	DN <input type="checkbox"/> <input type="checkbox"/> 1104 <input type="checkbox"/> <input type="checkbox"/>		DN <input type="checkbox"/> <input type="checkbox"/> 1104 <input type="checkbox"/> <input type="checkbox"/>	
	DDJNR/L <input type="checkbox"/> <input type="checkbox"/> K/M/P15	DN <input type="checkbox"/> <input type="checkbox"/> 1506 <input type="checkbox"/> <input type="checkbox"/>	DN <input type="checkbox"/> <input type="checkbox"/> 1506 <input type="checkbox"/> <input type="checkbox"/>	DN <input type="checkbox"/> <input type="checkbox"/> 1506 <input type="checkbox"/> <input type="checkbox"/>	DN <input type="checkbox"/> <input type="checkbox"/> 1506 <input type="checkbox"/> <input type="checkbox"/>	DN <input type="checkbox"/> <input type="checkbox"/> 1506 <input type="checkbox"/> <input type="checkbox"/>

General turning

External turning tools

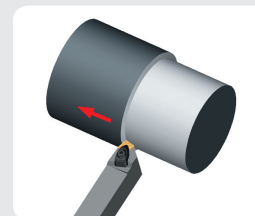
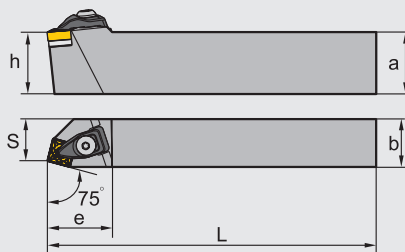


External turning tools

Corresponding tool holders of insert **SN** D-type clamping

DSBNR/L

Kr:75°



Type		Stock		Basic dimensions(mm)						Screw	Shim	Wrench	Clamp	Shim screw	Spring
		R	L	a	b	L	h	s	e						
DSBNR/L	1616H09	▲	△	16	16	100	16	13	26	CM5×22C	S09BM	WH30L	C1RA	SM5×8.65XA1	SPR6
	2020K12	▲	▲	20	20	125	20	17	34						
	2525M12	▲	▲	25	25	150	25	22	34	CM6×25C	S12BM	WH40L	C2RA	SM6×10XA1	SPR4
	3225P12	▲	▲	32	25	170	32	22	34						
	3232P15	▲	▲	32	32	170	32	27	41	CM6×25C	S15BM	WH40L	C3RA	SM6×10XA2	SPR4

▲Stock available △Make-to-order

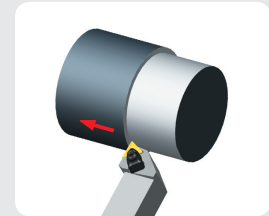
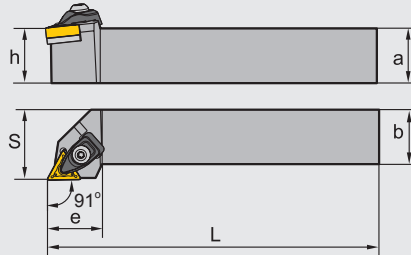
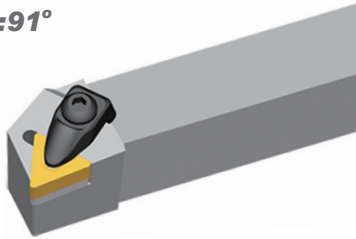
Applicable inserts

Application	For finishing	For semi-finishing	For roughing	For heavy machining	For cast iron machining	PCBN&PCD inserts
Inserts shape	DF A67	PM A68	DR Double-side A70	HDR A72	Without chipbreaker A74	A126
	EF A67	DM A68	DR Single-side A70 -71	HPR A72		A127
	SF A67	EM A69	ER Double-side A71			A128
		NM A69	ER Single-side A71			
			SNR Double-side A71			
			LR Single-side A69			
Tool holder type	DSBNR/L <input type="checkbox"/> <input type="checkbox"/> H09	SN <input type="checkbox"/> <input type="checkbox"/> 0903 <input type="checkbox"/> <input type="checkbox"/>	SN <input type="checkbox"/> <input type="checkbox"/> 0903 <input type="checkbox"/> <input type="checkbox"/>		SN <input type="checkbox"/> <input type="checkbox"/> 0903 <input type="checkbox"/> <input type="checkbox"/>	
	DSBNR/L <input type="checkbox"/> <input type="checkbox"/> K/M/P12	SN <input type="checkbox"/> <input type="checkbox"/> 1204 <input type="checkbox"/> <input type="checkbox"/>	SN <input type="checkbox"/> <input type="checkbox"/> 1204 <input type="checkbox"/> <input type="checkbox"/>	SN <input type="checkbox"/> <input type="checkbox"/> 1204 <input type="checkbox"/> <input type="checkbox"/>	SN <input type="checkbox"/> <input type="checkbox"/> 1204 <input type="checkbox"/> <input type="checkbox"/>	SN <input type="checkbox"/> <input type="checkbox"/> 1204 <input type="checkbox"/> <input type="checkbox"/>
	DSBNR/L <input type="checkbox"/> <input type="checkbox"/> P15	SN <input type="checkbox"/> <input type="checkbox"/> 1506 <input type="checkbox"/> <input type="checkbox"/>	SN <input type="checkbox"/> <input type="checkbox"/> 1506 <input type="checkbox"/> <input type="checkbox"/>	SN <input type="checkbox"/> <input type="checkbox"/> 1506 <input type="checkbox"/> <input type="checkbox"/>	SN <input type="checkbox"/> <input type="checkbox"/> 1506 <input type="checkbox"/> <input type="checkbox"/>	



Corresponding tool holders of insert **TN** D-type clamping

DTGNR/L
Kr:91°



Type		Stock		Basic dimensions(mm)						Screw	Shim	Wrench	Clamp	Shim screw	Spring
		R	L	a	b	L	h	s	e						
DTGNR/L	1616H16	△	△	16	16	100	16	20	25	CM5×22C	T16BM	WH30L	C1RA	SM5×8.65XA1	SPR6
	2020K16	▲	▲	20	20	125	20	25	25						
	2525M16	▲	▲	25	25	150	25	32	25						

▲Stock available △Make-to-order

General turning

External turning tools

Applicable inserts

Application	For finishing	For semi-finishing	For roughing	For heavy machining	For cast iron machining	PCBN&PCD inserts
Inserts shape	DF A75	WGM Wiper A76	DR Double-side A78	HDR A79	Without chipbreaker A80	A130
	WGF Wiper A75	PM A76	DR Single-side A78			A130 -A131
	SF A75	DM A77	ER Double-side A78			A131
	EF A76	EM A77	SNR Double-side A78			
			LR Single-side A77			

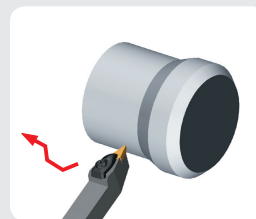
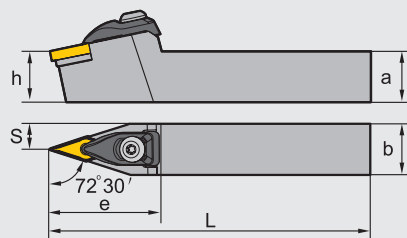
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External turning tools

Corresponding tool holders of insert **VN** D-type clamping

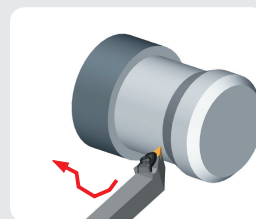
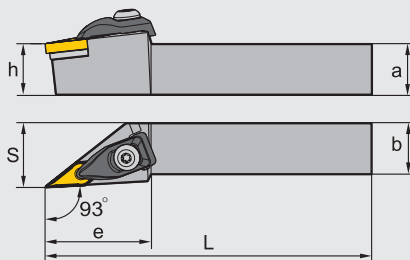
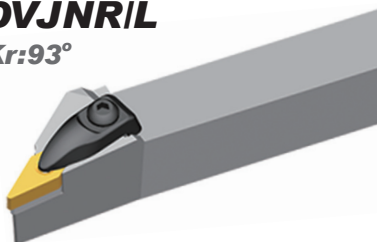
DVVNN Kr:72°30'



Type	Stock	Basic dimensions(mm)							Screw	Shim	Wrench	Clamp	Shim screw	Spring
		a	b	L	h	s	e							
DVVNN	2020K16	△	20	20	125	20	10	44	CM5×22C	V16BM	WH30L	C6RA	SM5×8.65XA1	SPR6
	2525M16	▲	25	25	150	25	12.5	44						

▲Stock available △Make-to-order



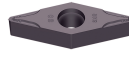
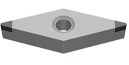
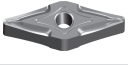


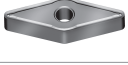
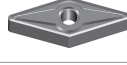
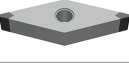
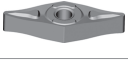
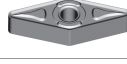
DVJNR/L Kr:93°



Type	Stock		Basic dimensions(mm)							Screw	Shim	Wrench	Clamp	Shim screw	Spring
	R	L	a	b	L	h	s	e							
DVJNR/L	2020K16	▲	▲	20	20	125	20	25	41	CM5×22C	V16BM	WH30L	C6RA	SM5×8.65XA1	SPR6
	2525M16	▲	▲	25	25	150	25	32	41						

▲Stock available △Make-to-order

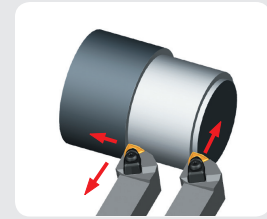
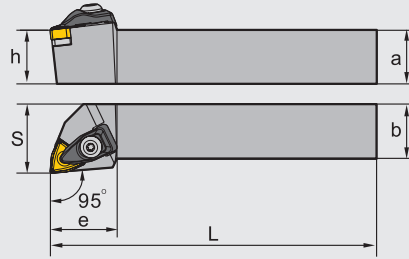
Applicable inserts

Application	For finishing	For semi-finishing	For roughing	PCBN&PCD inserts	
Inserts shape	DF  A81	PM  A82	SNR  A82	 A133	
	EF  A81	DM  A82		 A133 -A134	
	SF  A81	EM  A82		 A134	
	NF  A81	NM  A82			
	NGF  A81				
Tool holder type	DVVNN□□K/M16	VN□□1604□□	VN□□1604□□	VN□□1604□□	VN□□1604□□
	DVJNR/L□□K/M16	VN□□1604□□	VN□□1604□□	VN□□1604□□	VN□□1604□□



Corresponding tool holders of insert **WN** D-type clamping

DWLNRL
Kr:95°



Type	Stock		Basic dimensions(mm)						Screw	Shim	Wrench	Clamp	Shim screw	Spring	
	R	L	a	b	L	h	s	e							
DWLNRL	1616H06	▲	△	16	16	100	16	25	25						
	2020K06	▲	▲	20	20	125	20	25	24	CM5×22C	W06BM	WH30L	C1RA	SM5×8.65XA1	SPR6
	2525M06	▲	▲	25	25	150	25	32	24						
	2020K08	▲	▲	20	20	125	20	25	31						
	2525M08	▲	▲	25	25	150	25	32	31	CM6×25C	W08BM	WH40L	C2RA	SM6×10XA1	SPR4
	3225P08	△	△	32	25	170	32	32	31						

▲Stock available △Make-to-order

General turning

External turning tools

Applicable inserts

Application	For finishing	For semi-finishing	For roughing	For cast iron machining	PCBN&PCD inserts
Inserts shape	DF A83	WGM Wiper A84	DR Double-side A86	Without chipbreaker A86	A136
	WGF Wiper A83	PM A85	SNR Double-side A86		A136 -A137
	SF A83	DM A85			A137
	EF A84	EM A85			
	NF A84	NM A86			
Tool holder type	DWLNRL/□□H/K/M06	WN□□0604□□	WN□□0604□□	WN□□0604□□	WN□□0604□□
	DWLNRL/□□K/M/P08	WN□□0804□□	WN□□0804□□	WN□□0804□□	WN□□0804□□

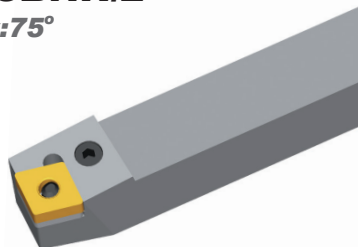


External turning tools

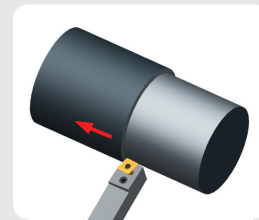
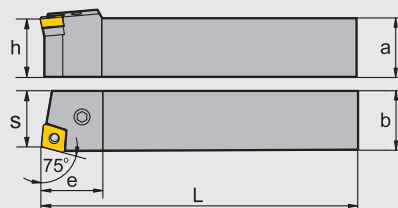
Corresponding tool holders of insert **CN** P-type clamping

PCBNR/L

Kr:75°



R-type shown



Type	Stock		Basic dimensions(mm)						Screw	Shim	Wrench	Lever	Shim pin	
	R	L	a	b	L	h	s	e						
PCBNR/L	2020K12	▲	▲	20	20	125	20	17	27	LEM8×21	C12AP	WH30L	L4	SP4
	2525M12	▲	▲	25	25	150	25	22	27					
	3232P12	▲	▲	32	32	170	32	27	33					
	2525M16	▲	▲	25	25	150	25	22	33	LEM8×25	C16AP	WH30L	L5	SP5
	3232P16	▲	▲	32	32	170	32	27	33					
	4040R16	▲	▲	40	40	200	40	35	38	LEM10×27	C19AP	WH40L	L6	SP6
	3232P19	▲	▲	32	32	170	32	27	38					
	4040R19	▲	▲	40	40	200	40	35	40	LEM12×36A	C25AP-07	WH50L	L8	SP8
	4040S2507	▲	▲	40	40	250	40	35	50					
	4040S2509	▲	▲	40	40	250	40	35	50		C25AP			

▲Stock available △Make-to-order

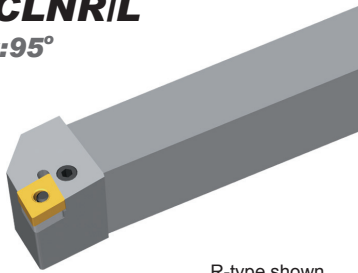
Applicable inserts

Application	For finishing	For semi-finishing	For roughing	For heavy machining	For cast iron machining
Inserts shape	DF A54	WGM Wiper A55	DR Double-side A58	HDR A59	Without chipbreaker A59
	WGF Wiper A54	PM A55	DR Single-side A58	HPR A59	
	SF A54	DM A55	ER Double-side A58		
	EF A54	EM A56	ER Single-side A58		
	NF A55	NM A57	SNR Double-side A58		
			LR Single-side A57		

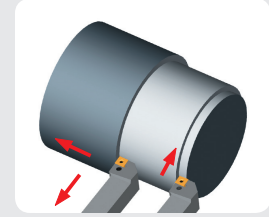
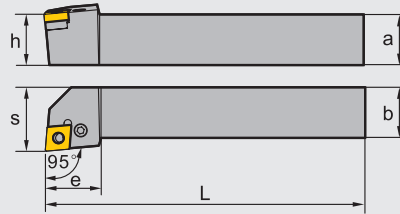
Tool holder type	PCBNR/L□□K/M/P12	PCBNR/L□□M/P/R16	PCBNR/L□□P/R19	PCBNR/L□□S2507	PCBNR/L□□S2509
	CN□□1204□□	CN□□1606□□	CN□□1906□□	CN□□2507□□	CN□□2509□□

Corresponding tool holders of insert **CN** P-type clamping

PCLNR/L
Kr:95°



R-type shown



Type		Stock		Basic dimensions(mm)					Screw	Shim	Wrench	Lever	Shim pin	
		R	L	a	b	L	h	s	e					
PCLNR/L	2020K12	▲	▲	20	20	125	20	25	28	LEM8×21	C12AP	WH30L	L4	SP4
	2525M12	▲	▲	25	25	150	25	32	28					
	3225P12	△	△	32	25	170	32	32	33					
	3232P12	▲	▲	32	32	170	32	40	28					
	2525M16	▲	▲	25	25	150	25	32	33	LEM8×25	C16AP	WH30L	L5	SP5
	3225P16	△	△	32	25	170	32	32	33					
	3232P16	▲	▲	32	32	170	32	40	33					
	4040R16	△	△	40	40	200	40	50	42	LEM10×27	C19AP	WH40L	L6	SP6
	3232P19	▲	▲	32	32	170	32	40	38					
	4040R19	▲	▲	40	40	200	40	50	40					
	4040S2507	▲	▲	40	40	250	40	50	49	LEM12×36A	C25AP-07	WH50L	L8	SP8
4040S2509	▲	▲	40	40	250	40	50	49	C25AP					

▲Stock available △Make-to-order

Applicable inserts

Application	For finishing	For semi-finishing	For roughing	For heavy machining	For cast iron machining	PCBN&PCD inserts
Inserts shape	DF A54	WGM Wiper A55	DR Double-side A58	HDR A59	Without chipbreaker A59	A118
	WGF Wiper A54	PM A55	DR Single-side A58	HPR A59		A118 A119
	SF A54	DM A56	ER Double-side A58			A119
	EF A54	EM A56	ER Single-side A58			
	NF A55	NM A57	SNR Double-side A58			
			LR Single-side A57			
Tool holder type	PCLNR/L□□K/M/P12	CN□□1204□□	CN□□1204□□	CN□□1204□□	CN□□1204□□	CN□□1204□□
	PCLNR/L□□M/P/R16	CN□□1606□□	CN□□1606□□	CN□□1606□□	CN□□1606□□	CN□□1606□□
	PCLNR/L□□P/R19		CN□□1906□□	CN□□1906□□	CN□□1906□□	CN□□1906□□
	PCLNR/L□□S2507			CN□□2507□□		
	PCLNR/L□□S2509			CN□□2509□□		

General turning

External turning tools



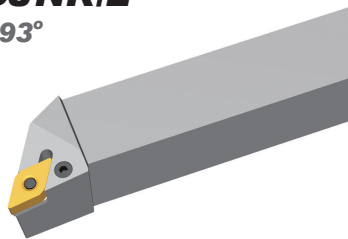
TURNING / General Turning Tools

External turning tools

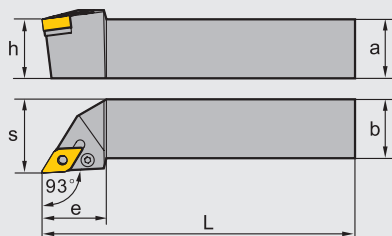
Corresponding tool holders of insert **DN** P-type clamping

PDJNR/L

Kr:93°



R-type shown



Type	Stock		Basic dimensions(mm)						Screw	Shim	Wrench	Lever	Shim pin	
	R	L	a	b	L	h	s	e						
PDJNR/L	1616H11	▲	▲	16	16	100	16	20	25	LEM6×17	D11AP	WH25L	L3	SP3
	2020K11	▲	▲	20	20	125	20	25	25					
	2525M11	▲	▲	25	25	150	25	32	30					
	2020K15	▲	▲	20	20	125	20	25	35	LEM8×21	D15AP	WH30L	L4B	SP4
	2525M15	▲	▲	25	25	150	25	32	35					
	3232P15	▲	▲	32	32	170	32	40	35					
	2020K15-3	▲	△	20	20	125	20	25	35	LEM8×21	D15AP	WH30L	L4	SP4
	2525M15-3	▲	▲	25	25	150	25	32	35					
	3232P15-3	▲	△	32	32	170	32	40	35					

▲Stock available △Make-to-order

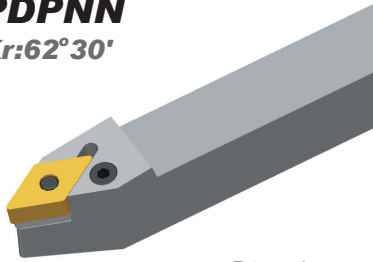
Applicable inserts

Application	For finishing	For semi-finishing	For roughing	For heavy machining	For cast iron machining	PCBN&PCD inserts
Inserts shape	DF A61	WGM Wiper A63	DR Double-side A65	HDR A66	Without chipbreaker A66	 A121 -A122
	WGF Wiper A61	PM A63	DR Single-side A65			 A122 -A123
	SF A62	DM A64	ER Double-side A65			 A124
	EF A62	EM A64	ER Single-side A65			
	NF A62	NM A64	SNR Double-side A65			
	NGF A62		LR Single-side A65			
Tool holder type	PDJNR/L□□H/K/M11	DN□□1104□□	DN□□1104□□		DN□□1104□□	
	PDJNR/L□□K/M/P15	DN□□1506□□	DN□□1506□□	DN□□1506□□	DN□□1506□□	DN□□1506□□
	PDJNR/L□□K/M/P15-3	DN□□1504□□	DN□□1504□□		DN□□1504□□	DN□□1504□□

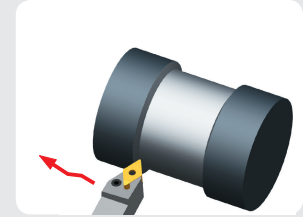
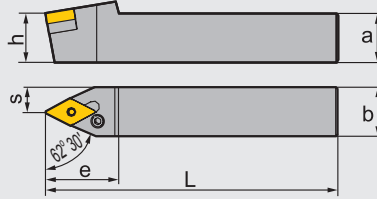


Corresponding tool holders of insert **DN** P-type clamping

PDPNN
Kr:62°30'



R-type shown



Type	Stock	Basic dimensions(mm)						Screw	Shim	Wrench	Lever	Shim pin	
		a	b	L	h	s	e						
PDPNN	2020K15	▲	20	20	125	20	8	38	LEM8×21	D15AP	WH30L	L4B	SP4
	2525M15	▲	25	25	150	25	12.5	38					
	3232P15	▲	32	32	170	32	16	38					
	2020K15-3	▲	20	20	125	20	8	38	LEM8×21	D15AP	WH30L	L4	SP4
	2525M15-3	▲	25	25	150	25	12.5	38					
	3232P15-3	▲	32	32	170	32	16	38					

▲Stock available △Make-to-order

General turning

External turning tools

Applicable inserts

Application	For finishing	For semi-finishing	For roughing	For heavy machining	For cast iron machining	PCBN&PCD inserts
Inserts shape	DF A61	WGM Wiper A63	DR Double-side A65	HDR A66	Without chipbreaker A66	A121 -A122
	WGF Wiper A61	PM A63	DR Single-side A65			A122 -A123
	SF A62	DM A64	ER Double-side A65			A124
	EF A62	EM A64	ER Single-side A65			
	NF A62	NM A64	SNR Double-side A65			
	NGF A62		LR Single-side A65			
Tool holder type	PDPNN □□K/M/P15	DN□□1506□□	DN□□1506□□	DN□□1506□□	DN□□1506□□	DN□□1506□□
	PDPNN □□K/M/P15-3	DN□□1504□□	DN□□1504□□		DN□□1504□□	DN□□1504□□

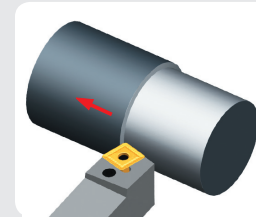
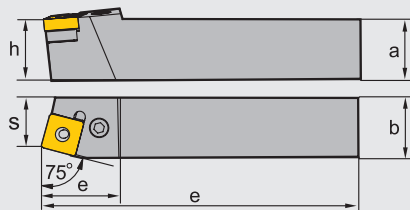
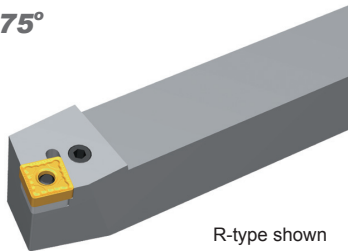


External turning tools

Corresponding tool holders of insert **SN** P-type clamping

PSBNR/L

Kr:75°



Type	Stock		Basic dimensions(mm)						Screw	Shim	Wrench	Lever	Shim pin	
	R	L	a	b	L	h	s	e						
PSBNR/L	1616H09	▲	▲	16	16	100	16	13	21	LEM6×13.4A	S09AP	WH25L	L3	SP3
	2020K09	▲	▲	20	20	125	20	17	23					
	2020K12	▲	▲	20	20	125	20	17	28					
	2525M12	▲	▲	25	25	150	25	22	28	LEM8×21	S12AP	WH30L	L4	SP4
	3225P12	▲	△	32	25	170	32	22	28					
	3232P12	▲	▲	32	32	170	32	27	28	LEM8×25	S15AP	WH30L	L5	SP5
	2525M15	▲	▲	25	25	150	25	22	35					
	3232P15	▲	▲	32	32	170	32	27	35					
	3232P19	▲	▲	32	32	170	32	27	40	LEM10×27	S19AP	WH40L	L6	SP6
	4040R19	▲	▲	40	40	200	40	35	40					
	4040S2507	▲	▲	40	40	250	40	35	48	LEM12×36A	S25AP	WH50L	L8	SP8
	4040S2509	▲	▲	40	40	250	40	35	48					

▲Stock available △Make-to-order

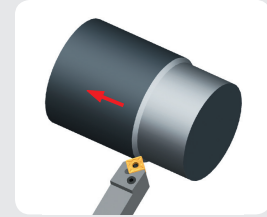
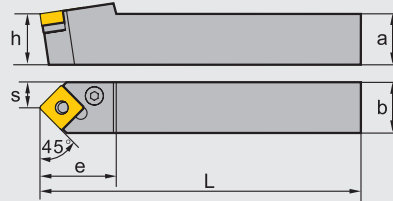
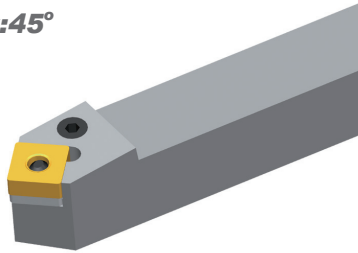
Applicable inserts

Application	For finishing	For semi-finishing	For roughing	For heavy machining	For cast iron machining Without chipbreaker	PCBN&PCD inserts
Inserts shape	DF A67	PM A68	DR Double-side A70	HDR A72	A74	A126
	EF A67	DM A68	DR Single-side A70-71	HPR A72		A127
	SF A67	EM A69	ER Double-side A71			A128
		NM A69	ER Single-side A71			
			SNR Double-side A71			
			LR Single-side A69			
Tool holder type	PSBNR/L□□H/K09	SN□□0903□□	SN□□0903□□		SN□□0903□□	
	PSBNR/L□□K/M/P12	SN□□1204□□	SN□□1204□□	SN□□1204□□	SN□□1204□□	SN□□1204□□
	PSBNR/L□□M/P15	SN□□1506□□	SN□□1506□□	SN□□1506□□	SN□□1506□□	SN□□1506□□
	PSBNR/L□□P/R19		SN□□1906□□	SN□□1906□□	SN□□1906□□	SN□□1906□□
	PSBNR/L□□S2507			SN□□2507□□	SN□□2507□□	
PSBNR/L□□S2509			SN□□2509□□	SN□□2509□□		



Corresponding tool holders of insert **SN** P-type clamping




















PSDNN
Kr:45°



Type	Stock	Basic dimensions(mm)							Screw	Shim	Wrench	Lever	Shim pin
		a	b	L	h	s	e						
PSDNN	2020K12	▲	20	20	125	20	10	30	LEM8×21	S12AP	WH30L	L4	SP4
	2525M12	▲	25	25	150	25	12.5	30					
	3232P12	▲	32	32	170	32	16	40					
	2525M15	▲	25	25	150	25	12.5	40	LEM8×25	S15AP	WH30L	L5	SP5
	3232P15	▲	32	32	170	32	16	40					
	3232P19	▲	32	32	170	32	16	40	LEM10×27	S19AP	WH40L	L6	SP6
	4040R19	▲	40	40	200	40	20	40					

▲Stock available △Make-to-order

Applicable inserts

Application	For finishing	For semi-finishing	For roughing	For heavy machining	For cast iron machining Without chipbreaker	PCBN&PCD inserts
Inserts shape	DF  A67	PM  A68	DR Double-side  A70	HDR  A72	 A74	 A126
	EF  A67	DM  A68	DR Single-side  A70-71	HPR  A72		 A127
	SF  A67	EM  A69	ER Double-side  A71			 A128
		NM  A69	ER Single-side  A71			
			SNR Double-side  A71			
			LR Single-side  A69			
Tool holder type	PSDNN□□K/M/P12	SN□□1204□□	SN□□1204□□	SN□□1204□□	SN□□1204□□	SN□□1204□□
	PSDNN□□M/P15	SN□□1506□□	SN□□1506□□	SN□□1506□□	SN□□1506□□	SN□□1506□□
	PSDNN□□P/R19		SN□□1906□□	SN□□1906□□	SN□□1906□□	SN□□1906□□

General turning

External turning tools



External turning tools

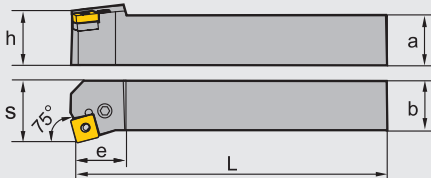
Corresponding tool holders of insert **SN** P-type clamping

PSKNR/L

Kr:75°



R-type shown



Type	Stock		Basic dimensions(mm)						Screw	Shim	Wrench	Lever	Shim pin	
	R	L	a	b	L	h	s	e						
PSKNR/L	1616H09	▲	▲	16	16	100	16	20	17	LEM6×13.4A	S09AP	WH25L	L3	SP3
	2020K09	▲	△	20	20	125	20	25	20					
	2020K12	▲	▲	20	20	125	20	25	26					
	2525M12	▲	▲	25	25	150	25	32	26	LEM8×21	S12AP	WH30L	L4	SP4
	3232P12	▲	▲	32	32	170	32	40	26					
	2525M15	▲	▲	25	25	150	25	32	32	LEM8×25	S15AP	WH30L	L5	SP5
	3232P15	▲	▲	32	32	170	32	40	32					
	3232P19	▲	▲	32	32	170	32	40	36	LEM10×27	S19AP	WH40L	L6	SP6
4040R19	▲	▲	40	40	200	40	50	40						

▲Stock available △Make-to-order

Applicable inserts

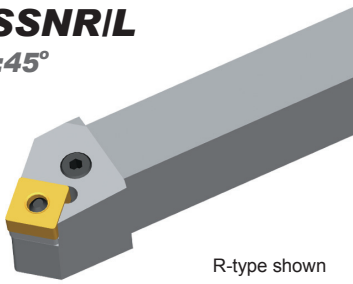
Application	For finishing	For semi-finishing	For roughing	For heavy machining	For cast iron machining Without chipbreaker	PCBN&PCD inserts
Inserts shape	DF A67	PM A68	DR Double-side A70	HDR A72	A74	A126
	EF A67	DM A68	DR Single-side A70-71	HPR A72		A127
	SF A67	EM A69	ER Double-side A71			A128
		NM A69	ER Single-side A71			
			SNR Double-side A71			
			LR Single-side A69			

Tool holder type	PSKNR/L□□H/K09	PSKNR/L□□K/M/P12	PSKNR/L□□M/P15	PSKNR/L□□P/R19
	SN□□0903□□	SN□□1204□□	SN□□1506□□	SN□□1906□□
	SN□□0903□□	SN□□1204□□	SN□□1506□□	SN□□1906□□
	SN□□0903□□	SN□□1204□□	SN□□1506□□	SN□□1906□□
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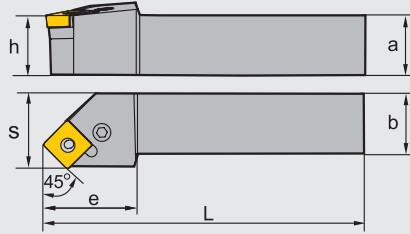







Corresponding tool holders of insert **SN** P-type clamping

PSSNR/L
Kr:45°






















R-type shown



Type	Stock		Basic dimensions(mm)						Screw	Shim	Wrench	Lever	Shim pin	
	R	L	a	b	L	h	s	e						
PSSNR/L	1616H09	▲	▲	16	16	100	16	20	25	LEM6×13.4A	S09AP	WH25L	L3	SP3
	2020K09	△	△	20	20	125	20	25	25					
	2020K12	▲	▲	20	20	125	20	25	30					
	2525M12	▲	▲	25	25	150	25	32	30	LEM8×21	S12AP	WH30L	L4	SP4
	3232P12	▲	▲	32	32	170	32	40	40					
	2525M15	▲	▲	25	25	150	25	32	30	LEM8×25	S15AP	WH30L	L5	SP5
	3232P15	▲	▲	32	32	170	32	40	40					
	3232P19	▲	▲	32	32	170	32	40	40	LEM10×27	S19AP	WH40L	L6	SP6
	4040R19	▲	▲	40	40	200	40	50	40					
	4040S2507	▲	▲	40	40	250	40	50	50	LEM12×36A	S25AP	WH50L	L8	SP8
	4040S2509	▲	▲	40	40	250	40	50	50					

▲Stock available △Make-to-order

Applicable inserts

Application	For finishing	For semi-finishing	For roughing	For heavy machining	For cast iron machining Without chipbreaker	PCBN&PCD inserts
Inserts shape	DF  A67	PM  A68	DR Double-side  A70	HDR  A72	 A74	 A126
	EF  A67	DM  A68	DR Single-side  A70 -71	HPR  A72		 A127
	SF  A67	EM  A69	ER Double-side  A71			 A128
		NM  A69	ER Single-side  A71			
			SNR Double-side  A71			
			LR Single-side  A69			

Tool holder type	PSSNR/L□□H/K09	PSSNR/L□□K/M/P12	PSSNR/L□□M/P15	PSSNR/L□□P/R19	PSSNR/L□□S2507	PSSNR/L□□S2509
	SN□□0903□□	SN□□0903□□	SN□□0903□□		SN□□0903□□	
	SN□□1204□□	SN□□1204□□	SN□□1204□□	SN□□1204□□	SN□□1204□□	SN□□1204□□
	SN□□1506□□	SN□□1506□□	SN□□1506□□	SN□□1506□□	SN□□1506□□	
		SN□□1906□□	SN□□1906□□	SN□□1906□□	SN□□1906□□	
			SN□□2507□□	SN□□2507□□		
			SN□□2509□□	SN□□2509□□		

General turning

External turning tools

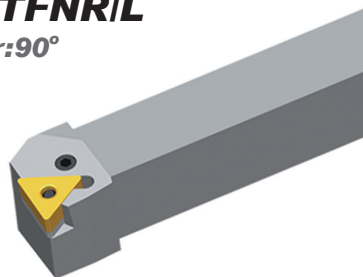


External turning tools

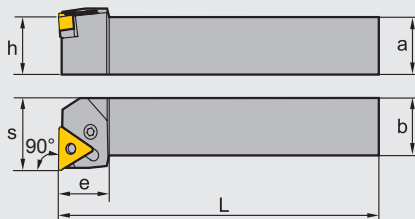
Corresponding tool holders of insert **TN** P-type clamping

PTFNRIL

Kr:90°



R-type shown



Type	Stock		Basic dimensions(mm)						Screw	Shim	Wrench	Lever	Shim pin	
	R	L	a	b	L	h	s	e						
PTFNR/L	1616H16	△	▲	16	16	100	16	20	20	LEM6×13.4A	T16AP	WH25L	L3	SP3
	2020K16	▲	▲	20	20	125	20	25	20					
	2525M16	▲	▲	25	25	150	25	32	20					
	2525M22	▲	▲	25	25	150	25	32	25	LEM8×21	T22AP	WH30L	L4	SP4
	3232P22	▲	▲	32	32	170	32	40	25					
	3232P27	▲	▲	32	32	170	32	40	34	LEM8×25	T27AP	WH30L	L5	SP5
	4040S27	▲	▲	40	40	250	40	50	34					

▲Stock available △Make-to-order

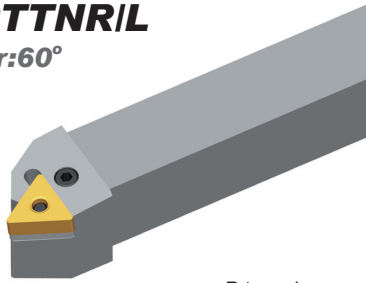
Applicable inserts

Application	For finishing	For semi-finishing	For roughing	For heavy machining	For cast iron machining	PCBN&PCD inserts
Inserts shape	DF A75	WGM Wiper A76	DR Double-side A78	HDR A79	Without chipbreaker A80	A130
	WGF Wiper A75	PM A76	DR Single-side A78			A130 -A131
	SF A75	DM A77	ER Double-side A78			A131
	EF A76	EM A77	SNR A78			
			LR Single-side A77			
Tool holder type	PTFNR/L□□H/K/M16	TN□□1604□□	TN□□1604□□	TN□□1604□□	TN□□1604□□	TN□□1604□□
	PTFNR/L□□M/P22	TN□□2204□□	TN□□2204□□	TN□□2204□□	TN□□2204□□	
	PTFNR/L□□P/S27		TN□□2706□□	TN□□2706□□	TN□□2706□□	

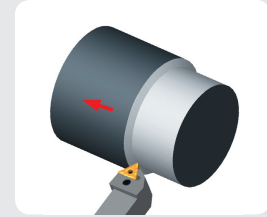
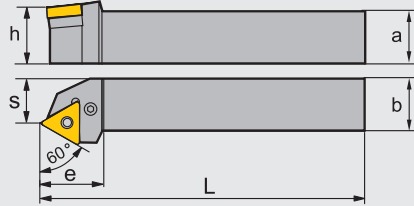







Corresponding tool holders of insert **TN** P-type clamping

PTTNR/L
Kr:60°



R-type shown





















Type	Stock		Basic dimensions(mm)						Screw	Shim	Wrench	Lever	Shim pin	
	R	L	a	b	L	h	s	e						
PTTNR/L	1616H16	▲	▲	16	16	100	16	13	25	LEM6×13.4A	T16AP	WH25L	L3	SP3
	2020K16	▲	▲	20	20	125	20	17	25					
	2525M16	△	△	25	25	150	25	22	25					
	2525M22	▲	▲	25	25	150	20	22	32	LEM8×21	T22AP	WH30L	L4	SP4

▲Stock available △Make-to-order

General turning
External turning tools

Applicable inserts

Application	For finishing	For semi-finishing	For roughing	For heavy machining	For cast iron machining	PCBN&PCD inserts
Inserts shape	DF  A75	WGM Wiper  A76	DR Double-side  A78	HDR  A79	Without chipbreaker  A80	 A130
	WGF Wiper  A75	PM  A76	DR Single-side  A78			 A130 A131
	SF  A75	DM  A77	ER Double-side  A78			 A131
	EF  A76	EM  A77	SNR  A78			
			LR Single-side  A77			
Tool holder type	PTTNR/L□□H/K/M16	TN□□1604□□	TN□□1604□□	TN□□1604□□	TN□□1604□□	TN□□1604□□
	PTTNR/L□□M22	TN□□2204□□	TN□□2204□□	TN□□2204□□	TN□□2204□□	

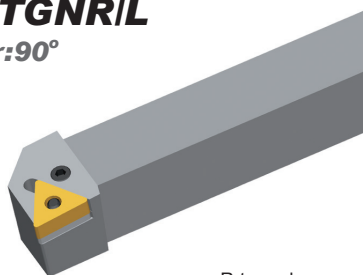


External turning tools

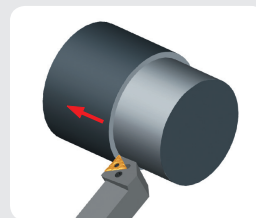
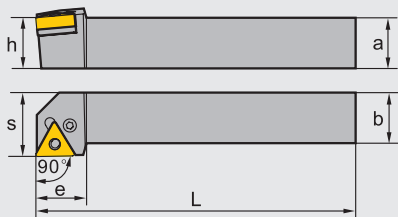
Corresponding tool holders of insert **TN** P-type clamping

PTGNR/L

Kr:90°



R-type shown



Type	Stock		Basic dimensions(mm)						Screw	Shim	Wrench	Lever	Shim pin	
	R	L	a	b	L	h	s	e						
PTGNR/L	1616H16	▲	▲	16	16	100	16	20	20	LEM6×13.4A	T16AP	WH25L	L3	SP3
	2020K16	▲	▲	20	20	125	20	25	20					
	2525M16	▲	▲	25	25	150	25	32	20					
	3232P16	▲	▲	32	32	170	32	40	20	LEM8×21	T22AP	WH30L	L4	SP4
	2525M22	▲	▲	25	25	150	25	32	28					
	3232P22	▲	▲	32	32	170	32	40	28					
	3232P27	▲	▲	32	32	170	32	40	33					
4040S27	▲	▲	40	40	250	40	50	33	LEM8×25	T27AP	WH30L	L5	SP5	

▲Stock available △Make-to-order

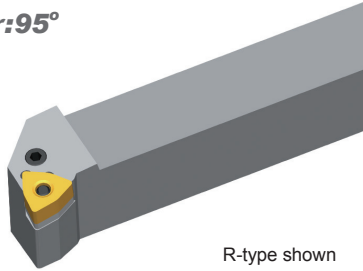
Applicable inserts

Application	For finishing	For semi-finishing	For roughing	For heavy machining	For cast iron machining	PCBN&PCD inserts
Inserts shape	DF A75	WGM Wiper A76	DR Double-side A78	HDR A79	Without chipbreaker A80	A130
	WGF Wiper A75	PM A76	DR Single-side A78			A130 -A131
	SF A75	DM A77	ER Double-side A78			A131
	EF A76	EM A77	SNR A78			
			LR Single-side A77			
Tool holder type	PTGNR/L□□H/K/M/P16	TN□□1604□□	TN□□1604□□	TN□□1604□□	TN□□1604□□	TN□□1604□□
	PTGNR/L□□M/P22	TN□□2204□□	TN□□2204□□	TN□□2204□□	TN□□2204□□	
	PTGNR/L□□P/S27			TN□□2706□□	TN□□2706□□	

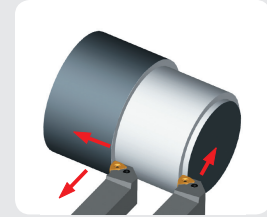
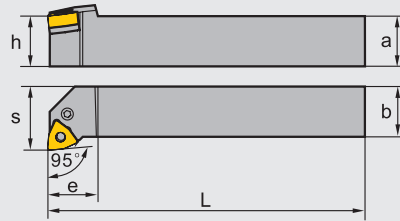


Corresponding tool holders of insert **WN** P-type clamping

PWLNRL
Kr:95°



R-type shown



Type	Stock		Basic dimensions(mm)						Screw	Shim	Wrench	Lever	Shim pin	
	R	L	a	b	L	h	s	e						
PWLNRL	1616H06	▲	▲	16	16	100	16	20	20	LEM6×13.4A	W06AP	WH25L	L3	SP3
	2020K06	▲	▲	20	20	125	20	25	20					
	2525M06	▲	▲	25	25	150	25	32	20					
	2020K08	▲	▲	20	20	125	20	25	26	LEM8×21	W08AP	WH30L	L4	SP4
	2525M08	▲	▲	25	25	150	25	32	26					
	3232P08	△	△	32	32	170	32	40	28					

▲Stock available △Make-to-order

General turning

External turning tools

Applicable inserts

Application	For finishing	For semi-finishing	For roughing	For cast iron machining	PCBN&PCD inserts
Inserts shape	DF A83	WGM Wiper A84	DR Double-side A86	Without chipbreaker A86	A136
	WGF Wiper A83	PM A85	SNR Double-side A86		A136 -A137
	SF A83	DM A85			A137
	EF A84	EM A85			
	NF A84	NM A86			

Tool holder type	PWLNRL/□□H/K/M06	WN□□0604□□	WN□□0604□□	WN□□0604□□	WN□□0604□□	WN□□0604□□
	PWLNRL/□□K/M/P08	WN□□0804□□	WN□□0804□□	WN□□0804□□	WN□□0804□□	WN□□0804□□

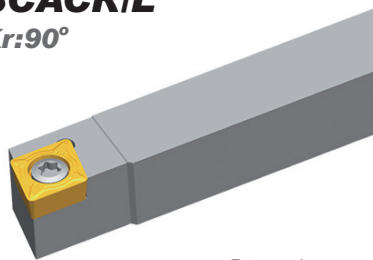


External turning tools

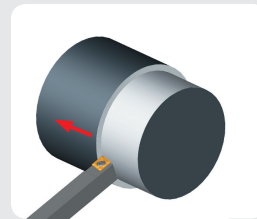
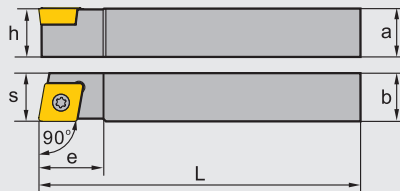
Corresponding tool holders of insert **CC** S-type clamping



SCACRIL

Kr:90°















R-type shown



Type		Stock		Basic dimensions(mm)						Screw	Wrench
		R	L	a	b	L	h	s	e		
SCACR/L	0808F06	△	△	8	8	80	8	8	16	I60M2.5×6.5	WT07IP
	1010H06	▲	△	10	10	100	10	10	16		
	1212H06	△	△	12	12	100	12	12	16		
	1212H09	▲	▲	12	12	100	12	12	20	I60M3.5×8	WT15IP
	1616H09	△	△	16	16	100	16	16	20		

▲Stock available △Make-to-order

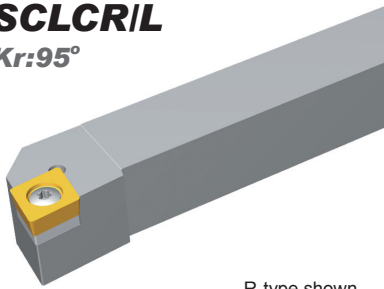
Applicable inserts

Application	For extra finishing	For finishing	For semi-finishing	For roughing	For Al machining	For cast iron machining	PCBN&PCD inserts
Inserts shape	USF  A89	HF  A89	HM  A90	HR  A91	LH  A91-92	Without chipbreaker  A92	 A139
	SF  A89	EF  A90	EM  A90		LC  A91		 A144
Tool holder type	SCACR/L□□H/F06	CC□□0602□□	CC□□0602□□	CC□□0602□□	CC□□0602□□	CCGX 0602□□	CC□□ 0602□□
	SCACR/L□□H09	CC□□09T3□□	CC□□09T3□□	CC□□09T3□□	CC□□09T3□□	CCGX 09T3□□	CC□□ 09T3□□

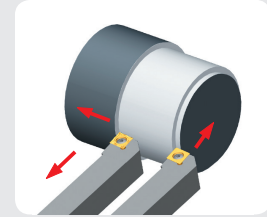
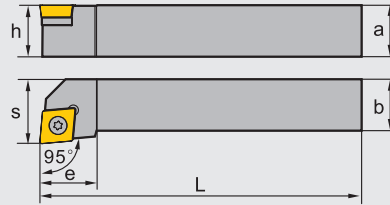


Corresponding tool holders of insert **CC** S-type clamping

SCLCRIL
Kr:95°



R-type shown



Type	Stock		Basic dimensions(mm)							Screw	Shim	Shim screw	Wrench
	R	L	a	b	L	h	s	e					
SCLCR/L	0808F06	▲	△	08	08	80	08	10	12	I60M2.5×6.5	---	---	WT07IP
	1010F06	▲	▲	10	10	80	10	12	12				
	1212H06	△	△	12	12	100	12	16	12				
	1616H06	△	△	16	16	100	16	20	16				
	1212H09	▲	▲	12	12	100	12	16	16	I60M3.5×8	---	---	WT15IP
	1616H09	▲	▲	16	16	100	16	20	16				
	2020K09	△	△	20	20	125	20	25	16				
	2525M09	△	△	25	25	150	25	32	16				
	2525M12	▲	▲	25	25	150	25	32	20	I60M4×11X	C12BS	SM6×10XA	WT15IP WH40L
	3225M12	▲	▲	32	25	150	32	32	20				

▲Stock available △Make-to-order

Applicable inserts

Application	For extra finishing	For finishing	For semi-finishing	For roughing	For Al machining	For cast iron machining	PCBN&PCD inserts
Inserts shape	USF A89	HF A89	HM A90	HR A91	LH A91-92	 A92 Without chipbreaker	 A139
	SF A89	EF A90	EM A90		LC A91		 A144
Tool holder type	SCLCR/L□□H/F06	CC□□ 0602□□	CC□□ 0602□□	CC□□ 0602□□	CC□□ 0602□□	CCGX 0602□□	CC□□ 0602□□
	SCLCR/L□□H/K/M09	CC□□ 09T3□□	CC□□ 09T3□□	CC□□ 09T3□□	CC□□ 09T3□□	CCGX 09T3□□	CC□□ 09T3□□
	SCLCR/L□□K/M12		CC□□ 1204□□	CC□□ 1204□□	CC□□ 1204□□	CCGX 1204□□	CC□□ 1204□□

General turning

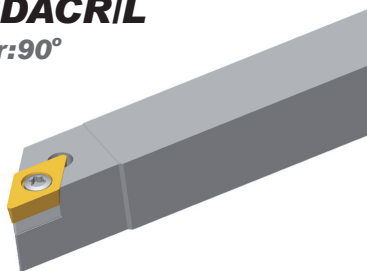
External turning tools

External turning tools

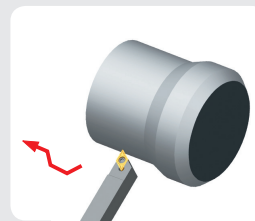
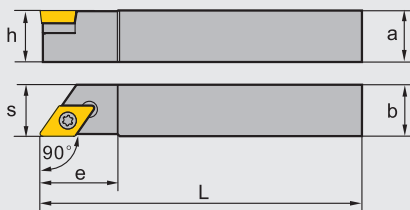
Corresponding tool holders of insert **DC** S-type clamping

SDACRIL

Kr:90°



R-type shown



Type	Stock		Basic dimensions(mm)						Screw	Shim	Shim screw	Wrench	
	R	L	a	b	L	h	s	e					
SDACR/L	0808K07	△	△	8	8	125	8	8	15	I60M2.5×6.5	---	---	WT07IP
	1010K07	△	△	10	10	125	10	10	15				
	1212K07	△	△	12	12	125	10	10	15				
	1212K11	△	△	12	12	125	12	12	22	I60M3.5×8	---	---	WT15IP
	1616K11	△	△	16	16	125	16	16	22	I60M3.5×12	D11BS	SM5×8.65XA	WT15IP WH35L
	2020K11	△	△	20	20	125	20	20	22				
	2525M11	△	△	25	25	150	25	25	22				

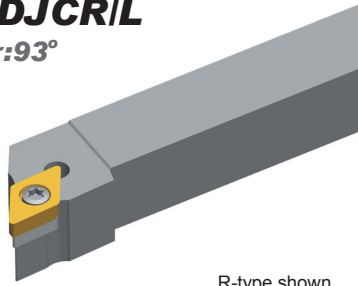
▲Stock available △Make-to-order

Applicable inserts

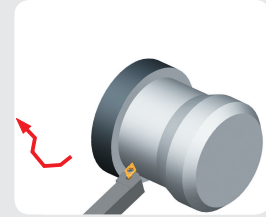
Application	For extra finishing	For finishing	For semi-finishing	For roughing	For Al machining	For cast iron machining	PCBN&PCD inserts
Inserts shape	USF A93	HF A93	HM A94	HR A95	LH A95	Without chipbreaker A95	 A140
	SF A93	EF A94	EM A94		LC A95		 A145
Tool holder type	SDACR/L□□K07	DC□□ 0702□□	DC□□ 0702□□	DC□□ 0702□□		DCGX 0702□□	DC□□0702□□
	SDACR/L□□K/M11	DC□□ 11T3□□	DC□□ 11T3□□	DC□□ 11T3□□	DC□□ 11T3□□	DCGX 11T3□□	DC□□ 11T3□□

Corresponding tool holders of insert **DC** S-type clamping

SDJCR/L
Kr:93°










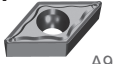

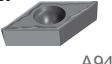


R-type shown



Type	Stock		Basic dimensions(mm)							Screw	Shim	Shim screw	Wrench
	R	L	a	b	L	h	s	e					
SDJCR/L	0808F07	△	△	8	8	80	8	10	15	I60M2.5×6.5	---	---	WT071P
	1010F07	▲	△	10	10	80	10	12	15				
	1212H07	▲	▲	12	12	100	12	16	15				
	1414H07	△	△	14	14	100	14	18	15				
	1616H07	▲	▲	16	16	100	16	20	15				
	2020K07	△	△	20	20	125	20	25	28				
	2525M07	△	△	25	25	150	25	32	28				
	1212K11	△	△	12	12	125	12	16	22				
1616K11	▲	▲	16	16	125	16	20	22	I60M3.5×12	D11BS	SM5×8.65XA	WT151P WH35L	
2020K11	▲	▲	20	20	125	20	25	22					
2525M11	▲	▲	25	25	150	25	32	22					

▲Stock available △Make-to-order

Applicable inserts

Application	For extra finishing	For finishing	For semi-finishing	For roughing	For Al machining	For cast iron machining	PCBN&PCD inserts	
Inserts shape	USF  A93	HF  A93	HM  A94	HR  A95	LH  A95	Without chipbreaker  A95	 A140	
	SF  A93	EF  A94	EM  A94		LC  A95		 A145	
Tool holder type	SDJCR/L□□F/H/K/M07	DC□□0702□□	DC□□0702□□	DC□□0702□□		DCGX 0702□□	DC□□0702□□	DC□□0702□□
	SDJCR/L□□K/M11	DC□□11T3□□	DC□□11T3□□	DC□□11T3□□	DC□□11T3□□	DCGX 11T3□□	DC□□11T3□□	DC□□11T3□□

General turning

External turning tools

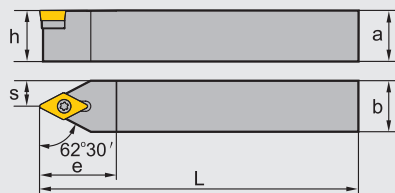
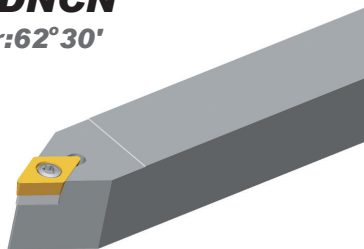


External turning tools

Corresponding tool holders of insert **DC** S-type clamping

SDNCN

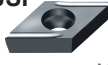






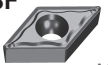
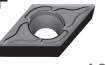
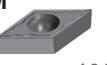


Kr:62°30'



Type	Stock	Basic dimensions(mm)						Screw	Shim	Shim screw	Wrench	
		a	b	L	h	s	e					
SDNCN	0808F07	△	8	8	80	8	4	15	I60M2.5×6.5	---	---	WT07IP
	1010F07	▲	10	10	80	10	5	15				
	1212H07	▲	12	12	100	12	6	15				
	1616H07	△	16	16	100	16	8	15				
	2020K07	△	20	20	125	20	10	20				
	2525M07	△	25	25	150	25	12.5	20				
	1616K11	▲	16	16	125	16	8	22	I60M3.5×12	D11BS	SM5×8.65XA	WT15IP WH35L
	2020K11	▲	20	20	125	20	10	22				
	2525M11	▲	25	25	150	25	12.5	22				
	3225M11	△	32	25	150	32	12.5	22				
3232P11	△	32	32	170	32	16	22					

▲Stock available △Make-to-order

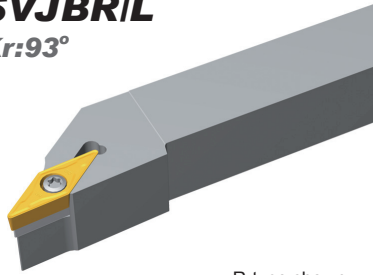
Applicable inserts

Application	For extra finishing	For finishing	For semi-finishing	For roughing	For Al machining	For cast iron machining	PCBN&PCD inserts
Inserts shape	USF  A93	HF  A93	HM  A94	HR  A95	LH  A95	 Without chipbreaker A95	 A140
	SF  A93	EF  A94	EM  A94		LC  A95		 A145
Tool holder type	SDNCN□□F/H/K/M07	DC□□0702□□	DC□□0702□□	DC□□0702□□		DCGX 0702□□	DC□□0702□□
	SDNCN□□K/M/P11	DC□□11T3□□	DC□□11T3□□	DC□□11T3□□	DC□□11T3□□	DCGX 11T3□□	DC□□11T3□□

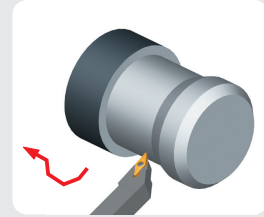
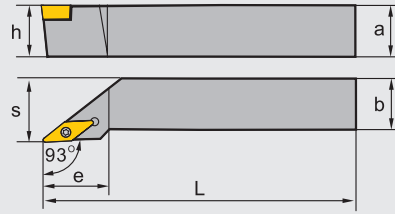





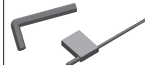
Corresponding tool holders of insert **VB** S-type clamping

SVJBRIL
Kr:93°



R-type shown



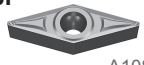



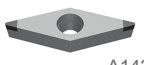
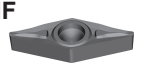
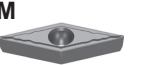
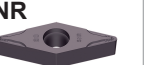



Type		Stock		Basic dimensions(mm)						Screw	Shim	Shim screw	Wrench
		R	L	a	b	L	h	s	e				
SVJBR/L	1212H11	▲	▲	12	12	100	12	16	25	I60M2.5×6.5	---	---	WT071P
	1616H11	▲	▲	16	16	100	16	20	25				
	2020K11	▲	▲	20	20	125	20	25	25				
	2525M11	▲	▲	25	25	150	25	32	25	I60M3.5×12	V16BS	SM5×8.65XA	WT151P WH35L
	1616H16	▲	▲	16	16	100	16	20	35				
	2020K16	▲	▲	20	20	125	20	25	35				
	2525M16	▲	▲	25	25	150	25	32	35				

▲Stock available △Make-to-order

General turning

External turning tools

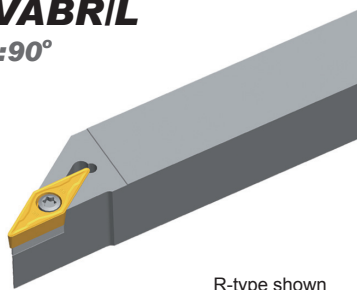
Applicable inserts

Application	For extra finishing	For finishing	For semi-finishing	For roughing	PCBN&PCD inserts
Inserts shape	SF  A108	HF  A108	HM  A109	HR  A109	 A142
		NF  A108	EM  A109	SNR  A109	 A147
		EF  A108			
		NGF  A108			
Tool holder type	SVJBR/L□□H/K/M11	VB□□1103□□	VB□□1103□□	VB□□1103□□	
	SVJBR/L□□H/K/M16		VB□□1604□□	VB□□1604□□	VB□□1604□□

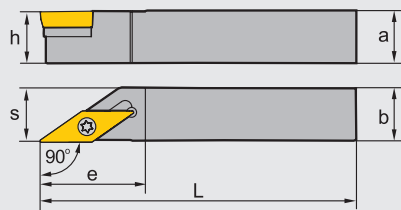
Corresponding tool holders of insert **VB** S-type clamping

SVABRIL

Kr:90°



R-type shown



Type		Stock		Basic dimensions(mm)						Screw	Shim	Shim screw	Wrench
		R	L	a	b	L	h	s	e				
SVABR/L	1010F11	△	△	10	10	80	10	10	25	I60M2.5×6.5	---	---	WT07IP
	1616H16	△	△	16	16	100	16	16	28	I60M3.5×12	V16BS	SM5×8.65XA	WT15IP WH35L
	2020K16	△	△	20	20	125	20	20	28				
	2525M16	△	△	25	25	150	25	25	28				

▲Stock available △Make-to-order

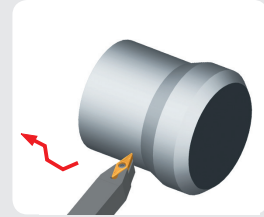
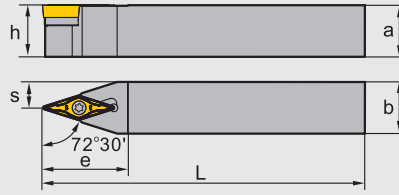
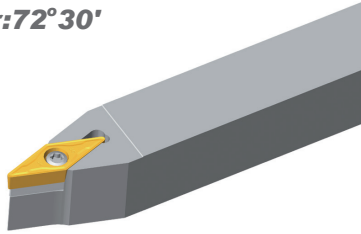
Applicable inserts

Application	For extra finishing	For finishing	For semi-finishing	For roughing	PCBN&PCD inserts
Inserts shape	SF 	HF 	HM 	HR 	
		NF 	EM 	SNR 	
		EF 			
		NGF 			
Tool holder type	SVABR/L□□F11	VB□□1103□□	VB□□1103□□	VB□□1103□□	
	SVABR/L□□H/K/M16		VB□□1604□□	VB□□1604□□	VB□□1604□□



Corresponding tool holders of insert **VB** S-type clamping

SVVBN
Kr:72°30'

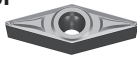



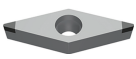

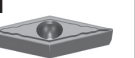


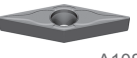
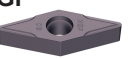


Type		Stock	Basic dimensions(mm)					Screw	Shim	Shim screw	Wrench				
			a	b	L	h	s					e			
SVVBN	1212H11	▲	12	12	100	12	6	I60M2.5×6.5	---	---	WT07IP				
	1616H11	▲	16	16	100	16	8					I60M3.5×12	V16BS	SM5×8.65XA	WT15IP WH35L
	2020K11	▲	20	20	125	20	10								
	2525M11	△	25	25	150	25	12.5								
	1616H16	▲	16	16	100	16	8								
	2020K16	▲	20	20	125	20	10								
	2525M16	▲	25	25	150	25	12.5								

▲Stock available △Make-to-order

General turning
External turning tools

Applicable inserts

Application	For extra finishing	For finishing	For semi-finishing	For roughing	PCBN&PCD inserts
Inserts shape	SF  A108	HF  A108	HM  A109	HR  A109	 A142
		NF  A108	EM  A109	SNR  A109	 A147
		EF  A108			
		NGF  A108			
Tool holder type	SVVBN □□H/K/M11	VB□□1103□□	VB□□1103□□	VB□□1103□□	
	SVVBN □□H/K/M16		VB□□1604□□	VB□□1604□□	VB□□1604□□

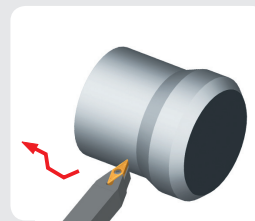
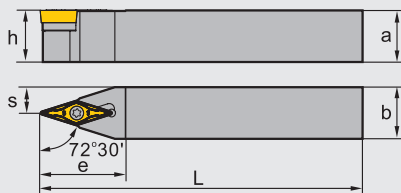
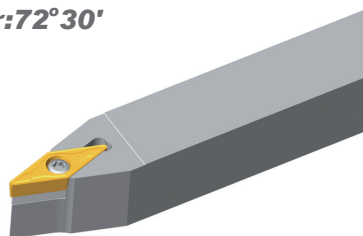


External turning tools

Corresponding tool holders of insert VC □ □ S-type clamping

SVVCN

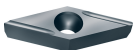


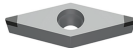





Kr:72°30'



Type	Stock	Basic dimensions(mm)						Screw	Shim	Shim screw	Wrench	
		a	b	L	h	s	e					
SVVCN	1212H11	▲	12	12	100	12	6	25	I60M2.5×6.5	---	---	WT07IP
	1616H11	▲	16	16	100	16	8	27				
	2020K11	▲	20	20	125	20	10	30				
	2525M11	△	25	25	150	25	12.5	38	I60M3.5×12	V16BSC	SM5×8.65XA	WT15IP WH35L
	1616H16	▲	16	16	100	16	8	33				
	2020K16	▲	20	20	125	20	10	33				
	2525M16	▲	25	25	150	25	12.5	38				

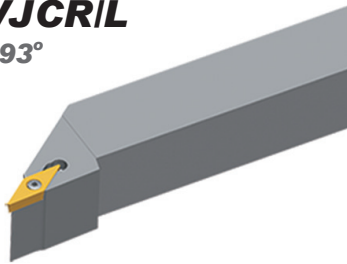
▲Stock available △Make-to-order

Applicable inserts

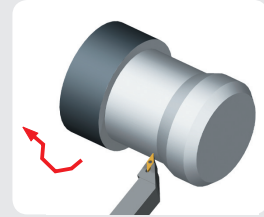
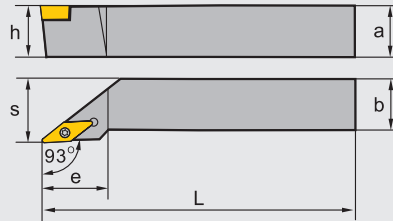
Application	For extra finishing	For finishing	For Al machining	PCBN&PCD inserts		
Inserts shape	USF  A105	HF  A105	LH  A106	 A143		
	SF  A105	NF  A105	LC  A106	 A148		
		NGF  A105				
Tool holder type	SVVCN□□H/K/M11		VC□□1103□□	VC□□1103□□	VCGX1103□□	
	SVVCN□□H/K/M16			VC□□1604□□	VCGX1604□□	VC□□1604□□

Corresponding tool holders of insert **VC** S-type clamping

SVJCRIL
Kr:93°



R-type shown



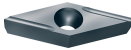


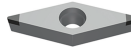


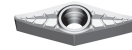


Type		Stock		Basic dimensions(mm)						Screw	Shim	Shim screw	Wrench
		R	L	a	b	L	h	s	e				
SVJCR/L	1212H11	△	△	12	12	100	12	16	25	I60M2.5×6.5	---	---	WT071P
	1616H11	▲	▲	16	16	100	16	20	25				
	2020K11	▲	▲	20	20	125	20	25	25				
	2525M11	▲	▲	25	25	150	25	32	35	I60M3.5×12	V16BSC	SM5×8.65XA	WT151P WH35L
	1616H16	▲	▲	16	16	100	16	20	35				
	2020K16	▲	▲	20	20	125	20	25	35				
	2525M16	▲	▲	25	25	150	25	32	35				

▲Stock available △Make-to-order

General turning

External turning tools

Applicable inserts

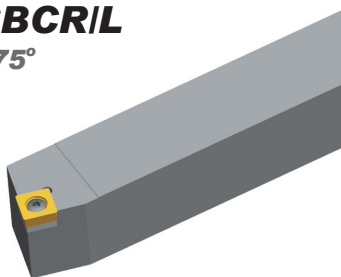
Application	For extra finishing	For finishing	For AI machining	PCBN&PCD inserts
Inserts shape	USF  A105	HF  A105	LH  A106	 A143
	SF  A105	NF  A105	LC  A106	 A148
		NGF  A105		
Tool holder type	SVJCR/L□□H/K/M11	VC□□1103□□	VCGX1103□□	
	SVJCR/L□□H/K/M16		VCGX1604□□	VC□□1604□□

External turning tools

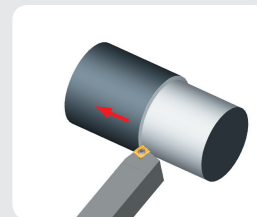
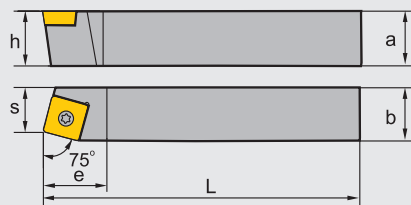
Corresponding tool holders of insert **SC** S-type clamping

SSBCR/L

Kr:75°











R-type shown



Type		Stock		Basic dimensions(mm)					Screw	Shim	Shim screw	Wrench	
		R	L	a	b	L	h	s					e
SSBCR/L	1212H09	▲	▲	12	12	100	12	9	16	I60M3.5×8	---	---	WT15IP
	1616H09	▲	▲	16	16	100	16	13	16				
	2020K09	△	△	20	20	125	20	17	20	I60M3.5×12	S09BS	SM5×8.65XA	WT15IP WH35L
	2525M09	△	△	25	25	150	25	22	20				
	2020K12	▲	▲	20	20	125	20	17	25	I60M4×11X	S12BS	SM6×10XA	WT15IP WH40L
	2525M12	△	△	25	25	150	25	22	25				

▲Stock available △Make-to-order

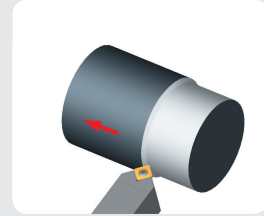
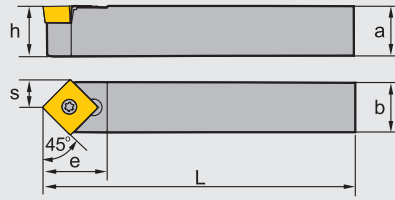
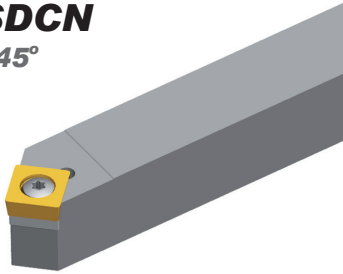
Applicable inserts

Application	For finishing	For semi-finishing	For roughing	For Al machining	For cast iron machining	
Inserts shape	HF  A98	HM  A98	HR  A99	LH  A99	Without chipbreaker  A99	
	EF  A98	EM  A98		LC  A99		
Tool holder type	SSBCR/L□□H/K/M09		SC□□09T3□□	SC□□09T3□□	SC□□09T3□□	SC□□09T3□□
	SSBCR/L□□K/M12		SC□□1204□□	SC□□1204□□	SCGX1204□□	SC□□1204□□



Corresponding tool holders of insert **SC** S-type clamping

SSDCN
Kr:45°











Type		Stock	Basic dimensions(mm)					Screw	Shim	Shim screw	Wrench	
			a	b	L	h	s					e
SSDCN	1212H09	▲	12	12	100	12	6	16	I60M3.5×8	---	---	WT15IP
	1616H09	▲	16	16	100	16	8	16				
	2020K09	△	20	20	125	20	10	20	I60M3.5×12	S09BS	SM5×8.65XA	WT15IP WH35L
	2525M09	△	25	25	150	25	12.5	20				
	2525M12	▲	25	25	150	25	12.5	22	I60M4×11	S12BS	SM6×10XA	WT15IP WH40L

▲Stock available △Make-to-order

General turning
External turning tools

Applicable inserts

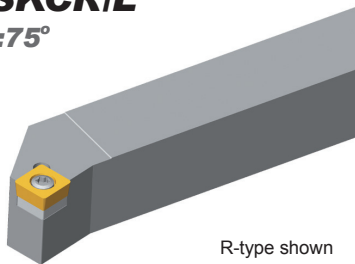
Application	For finishing	For semi-finishing	For roughing	For Al machining	For cast iron machining
Inserts shape	HF  A98	HM  A98	HR  A99	LH  A99	 Without chipbreaker A99
	EF  A98	EM  A98		LC  A99	
Tool holder type	SSDCN□□H/K/M09	SC□□09T3□□	SC□□09T3□□	SC□□09T3□□	SC□□09T3□□
	SSDCN□□M12		SC□□1204□□	SC□□1204□□	SC□□1204□□

External turning tools

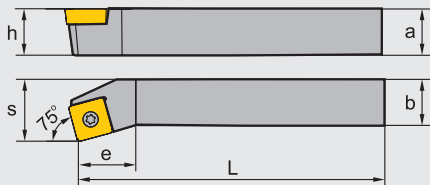
Corresponding tool holders of insert **SC** S-type clamping

SSKCRIL

Kr:75°



R-type shown



Type	Stock		Basic dimensions(mm)						Screw	Shim	Shim screw	Wrench		
	R	L	a	b	L	h	s	e						
SSKCR/L	1212H09	△	△	12	12	100	12	16	16	I60M3.5×8	---	---	WT151P	
	1616H09	▲	△	16	16	100	16	20	16	I60M3.5×12	S09BS	SM5×8.65XA	WT151P WH35L	
	2020K09	△	△	20	20	125	20	25	20		I60M4×11X	S12BS	SM6×10XA	WT151P WH40L
	2525M09	△	△	25	25	150	25	32	20			I60M4×11X	S12BS	SM6×10XA
	2020K12	△	△	20	20	125	20	25	22	I60M4×11X	S12BS		SM6×10XA	WT151P WH40L
	2525M12	△	△	25	25	150	25	32	22		I60M4×11X		S12BS	SM6×10XA

▲Stock available △Make-to-order

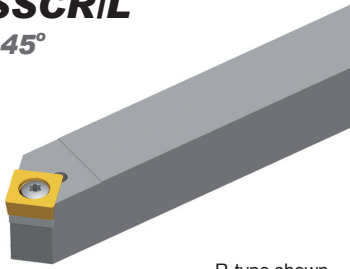
Applicable inserts

Application	For finishing	For semi-finishing	For roughing	For Al machining	For cast iron machining
Inserts shape	HF A98	HM A98	HR A99	LH A99	Without chipbreaker A99
	EF A98	EM A98		LC A99	
Tool holder type	SSKCR/L□□H/K/M09	SC□□09T3□□	SC□□09T3□□	SC□□09T3□□	SC□□09T3□□
	SSKCR/L□□K/M12		SC□□1204□□	SC□□1204□□	SC□□1204□□

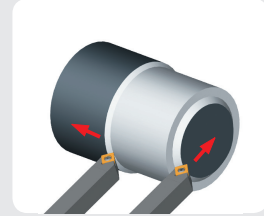
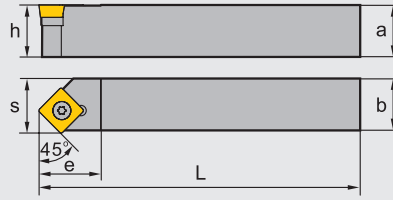





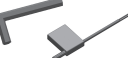
Corresponding tool holders of insert **SC** S-type clamping

SSSCRIL
Kr:45°



R-type shown











Type	Stock		Basic dimensions(mm)							Screw	Shim	Shim screw	Wrench	
	R	L	a	b	L	h	s	e						
SSSCR/L	1212H09	△	△	12	12	100	12	16	16	I60M3.5×8	---	---	WT15IP	
	1616H09	▲	▲	16	16	100	16	17	16		I60M3.5×12	S09BS	SM5×8.65XA	WT15IP WH35L
	2020K09	△	△	20	20	125	20	21	20			I60M4×11X	S12BS	SM6×10XA
	2525M09	△	△	25	25	150	25	32	20	I60M4×11X			S12BS	SM6×10XA
	2020K12	▲	▲	20	20	125	20	21	24		I60M4×11X		S12BS	SM6×10XA
	2525M12	△	△	25	25	150	25	32	22			I60M4×11X	S12BS	SM6×10XA

▲Stock available △Make-to-order

General turning

External turning tools

Applicable inserts

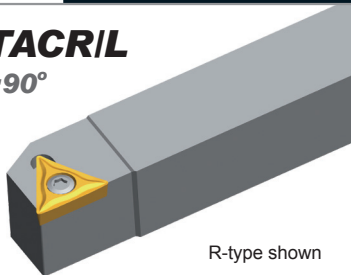
Application	For finishing	For semi-finishing	For roughing	For Al machining	For cast iron machining	
Inserts shape	HF  A98	HM  A98	HR  A99	LH  A99	 A99 Without chipbreaker	
	EF  A98	EM  A98		LC  A99		
Tool holder type	SSSCR/L□□H/K/M09	SC□□09T3□□	SC□□09T3□□	SC□□09T3□□	SCG□09T3□□	SC□□09T3□□
	SSSCR/L□□K/M12		SC□□1204□□	SC□□1204□□	SCG□1204□□	SC□□1204□□

External turning tools

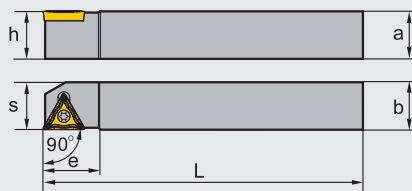
Corresponding tool holders of insert **TC** S-type clamping

STACRIL

Kr:90°



R-type shown

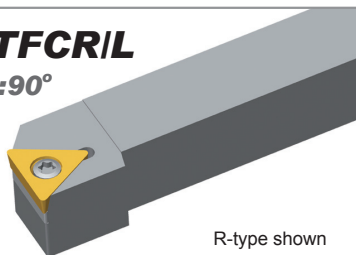


Type		Stock		Basic dimensions(mm)						Screw	Wrench	---	---
		R	L	a	b	L	h	s	e				
STACR/L	1010K11	△	△	10	10	100	10	10	12	I60M2.5×6.5	WT07IP	---	---
	1212F11	△	△	12	12	100	12	12	14				
	1616K11	△	△	16	16	100	16	16	16				

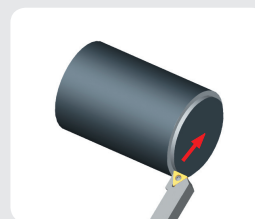
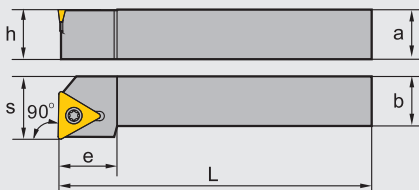
▲Stock available △Make-to-order

STFCRIL

Kr:90°












R-type shown



Type		Stock		Basic dimensions(mm)						Screw	Shim	Shim screw	Wrench
		R	L	a	b	L	h	s	e				
STFCR/L	1212H11	▲	▲	12	12	100	12	16	14	I60M2.5×6.5	---	---	WT07IP
	1616H11	▲	▲	16	16	100	16	20	14				
	2020K11	△	△	20	20	125	20	25	20				
	2525M11	△	△	25	25	150	25	32	20	I60M3.5×12	T16BS	SM5×8.65XA	WT15IP WH35L
	1616K16	▲	▲	16	16	125	16	20	20				
	2020K16	▲	▲	20	20	125	20	25	20				
2525M16	△	△	25	25	150	25	32	25					

▲Stock available △Make-to-order

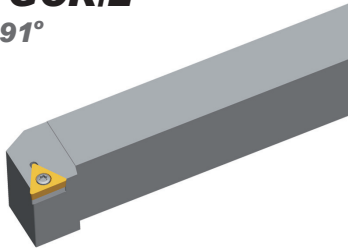
Applicable inserts

Application	For finishing	For semi-finishing	For roughing	For Al machining	For cast iron machining Without chipbreaker	PCBN&PCD inserts
Inserts shape	HF  A101	HM  A103	HR  A103	LH  A104	 A104	 A141
	EF  A102	EM  A102		LC  A103		
Tool holder type	STACR/L□□K/F11	TC□□1102□□	TC□□1102□□	TC□□1102□□	TCGX1102□□	TC□□1102□□
	STFCR/L□□H/K/M11	TC□□1102□□	TC□□1102□□	TC□□1102□□	TCGX1102□□	TC□□1102□□
	STFCR/L□□K/M16	TC□□16T3□□	TC□□16T3□□	TC□□16T3□□	TCGX16T3□□	TC□□16T3□□

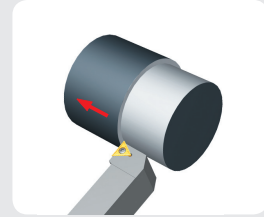
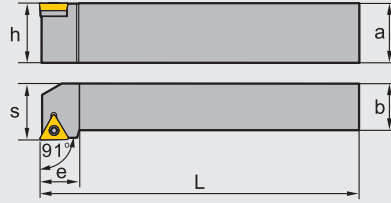


Corresponding tool holders of insert **TC** S-type clamping

STGCR/L
Kr:91°



R-type shown



Type		Stock		Basic dimensions(mm)						Screw	Shim	Shim screw	Wrench
		R	L	a	b	L	h	s	e				
STGCR/L	0808F09	▲	△	08	08	80	8	10	12	I60M2.2×5.5	---	---	WT06IP
	1010F09	▲	▲	10	10	80	10	12	12				
	1212H09	△	△	12	12	100	12	16	12				
	1212H11	▲	▲	12	12	100	12	16	16	I60M2.5×6.5	---	---	WT07IP
	1616H11	▲	▲	16	16	100	16	20	16				
	2020K11	△	△	20	20	125	20	25	20				
	2525M11	△	△	25	25	150	25	32	20	I60M3.5×12	T16BS	SM5×8.65XA	WT15IP WH35L
	1616K16	△	△	16	16	125	16	20	20				
	2020K16	▲	▲	20	20	125	20	25	21				
	2525M16	▲	▲	25	25	150	25	32	21				

▲Stock available △Make-to-order

General turning
External turning tools

Applicable inserts

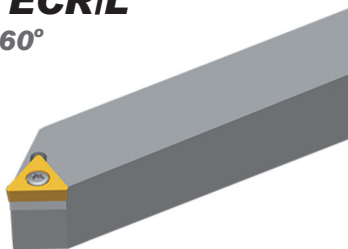
Application	For extra finishing	For finishing	For semi-finishing	For roughing	For Al machining	For cast iron machining	PCBN&PCD inserts
Inserts shape	USF A100	HF A101	HM A103	HR A103	LH A104	Without chipbreaker A104	 A141
	SF A100	EF A102	EM A102		LC A103		

Tool holder type	STGCR/L□□F/H09	TC□□0902□□	TC□□0902□□	TC□□0902□□	TC□□0902□□	TCGX0902□□	TC□□0902□□	TC□□0902□□
	STGCR/L□□H/K/M11		TC□□1102□□	TC□□1102□□	TC□□1102□□	TCGX1102□□	TC□□1102□□	TC□□1102□□
	STGCR/L□□K/M16		TC□□16T3□□	TC□□16T3□□	TC□□16T3□□	TCGX16T3□□	TC□□16T3□□	

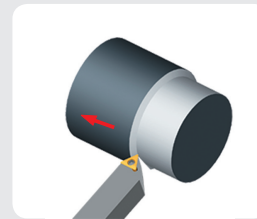
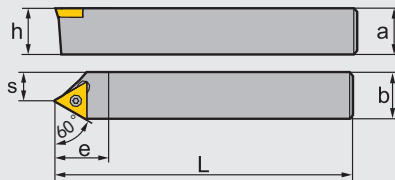


Corresponding tool holders of insert **TC** S-type clamping

STECRIL Kr:60°



R-type shown



Type	Stock		Basic dimensions(mm)						Screw	Shim	Shim screw	Wrench	
	R	L	a	b	L	h	s	e					
STECR/L	1616H11	△	△	16	16	100	16	10.5	16	I60M2.5×6.5	---	---	WT07IP
	2020K11	△	△	20	20	125	20	14.5	20				
	2020K16	△	△	20	20	125	20	12.5	20	I60M3.5×12	T16BS	SM5×8.65XA	WT15IP
	2525M16	△	△	25	25	150	25	17.0	25		WT35IP		

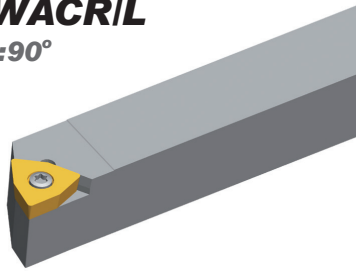
▲Stock available △Make-to-order

Applicable inserts

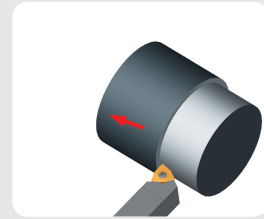
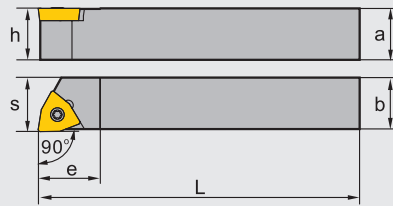
Application	For finishing	For semi-finishing	For roughing	For Al machining	For cast iron machining Without chipbreaker	PCBN&PCD inserts	
Inserts shape	HF A101	HM A103	HR A103	LH A104	 A104	 A141	
	EF A102	EM A102		LC A103			
Tool holder type	STECR/L <input type="checkbox"/> <input type="checkbox"/> H/K11	TC <input type="checkbox"/> <input type="checkbox"/> 1102 <input type="checkbox"/> <input type="checkbox"/>	TC <input type="checkbox"/> <input type="checkbox"/> 1102 <input type="checkbox"/> <input type="checkbox"/>	TC <input type="checkbox"/> <input type="checkbox"/> 1102 <input type="checkbox"/> <input type="checkbox"/>	TCGX1102 <input type="checkbox"/> <input type="checkbox"/>	TC <input type="checkbox"/> <input type="checkbox"/> 1102 <input type="checkbox"/> <input type="checkbox"/>	TC <input type="checkbox"/> <input type="checkbox"/> 1102 <input type="checkbox"/> <input type="checkbox"/>
	STECR/L <input type="checkbox"/> <input type="checkbox"/> K/M16	TC <input type="checkbox"/> <input type="checkbox"/> 16T3 <input type="checkbox"/> <input type="checkbox"/>	TC <input type="checkbox"/> <input type="checkbox"/> 16T3 <input type="checkbox"/> <input type="checkbox"/>	TC <input type="checkbox"/> <input type="checkbox"/> 16T3 <input type="checkbox"/> <input type="checkbox"/>	TCGX16T3 <input type="checkbox"/> <input type="checkbox"/>	TC <input type="checkbox"/> <input type="checkbox"/> 16T3 <input type="checkbox"/> <input type="checkbox"/>	

Corresponding tool holders of insert **WC** S-type clamping

SWACR/L
Kr:90°




R-type shown



Type		Stock		Basic dimensions(mm)						Screw	Wrench	—	—
		R	L	a	b	L	h	s	e				
SWACR/L	1010E04	△	△	10	10	70	10	10	10	I60M2.5×6.5	WT07IP	---	---
	1212F04	▲	△	12	12	80	12	12	14				
	1616H06	▲	△	16	16	100	16	16	20	I60M3×7	WT10IP	---	---
	2020K08	▲	▲	20	20	125	20	20	24	I60M3.5×12	WT15IP	---	---

▲Stock available △Make-to-order

Applicable inserts

Application	For finishing
Inserts shape	53 
SWACR/L <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> E/F04	WC <input type="checkbox"/> X0402 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
SWACR/L <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> H06	WC <input type="checkbox"/> X06T3 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
SWACR/L <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> K08	WC <input type="checkbox"/> X0804 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

A107

Tool holder type

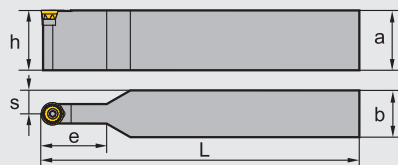
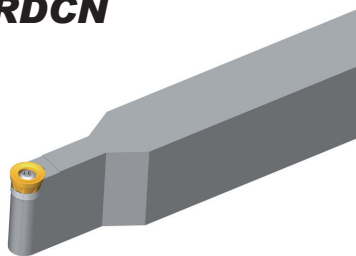
General turning

External turning tools



Corresponding tool holders of insert **RC** S-type clamping

SRDCN



Type	Stock	Basic dimensions(mm)						Screw	Shim	Shim screw	Wrench	
		a	b	L	h	s	e					
SRDCN	1616H08	△	16	16	100	16	8	16	I60M3×7	---	---	WT10IP
	2020K08	△	20	20	125	20	10	16				
	2525M08	△	25	25	150	25	12.5	16				
	2020K10	△	20	20	125	20	10	20	I60M3.5×10	---	---	WT15IP
	2525M10	▲	25	25	150	25	12.5	20				
	2525M12	▲	25	25	150	25	12.5	35	I60M3.5×12	R12BS	SM5×8.65XA	WT15IP WH35L
	3232P12	△	32	32	170	32	16	35				
	3225P16	▲	32	25	170	32	12.5	35	I60M4×15X	R16BS	SM6×10XA	WT15IP WH40L
4040S16	△	40	40	250	40	20	40					

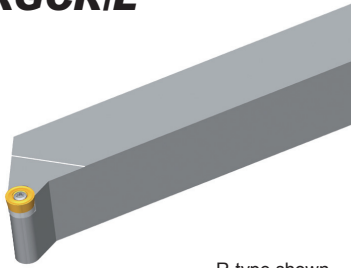
▲ Stock available △ Make-to-order

Applicable inserts

Application	For semi-finishing	For roughing	For Al machining
Inserts shape			LH
SRDCN□□K/M/H08	RCMT0803MO	RCMT0803MO	RCGX0803MO-LH
SRDCN□□K/M10	RCMT10T3MO	RCMT10T3MO	
SRDCN□□M/P12	RCMT1204MO	RCMT1204MO	
SRDCN□□P/S16	RCMT1606MO	RCMT1606MO	

Corresponding tool holders of insert **RC** S-type clamping

SRGCR/L



R-type shown



Type		Stock		Basic dimensions(mm)					Screw	Shim	Shim screw	Wrench
		R	L	a	b	L	h	s				
SRGCR/L	1616H08	△	△	16	16	100	16	20	I60M3×7	---	---	WT10IP
	2020K08	△	△	20	20	125	20	25				
	2525M08	△	△	25	25	150	25	32				
	1616H10	△	△	16	16	100	16	20	I60M3.5×10	---	---	WT15IP
	2020K10	▲	▲	20	20	125	20	25				
	2525M10	▲	▲	25	25	150	25	32				
	2020K12	▲	△	20	20	125	20	27	I60M3.5×12	R12BS	SM5×8.65XA	WT15IP WH35L
	2525M12	▲	▲	25	25	150	25	32				
3232P16	▲	△	32	32	170	32	40	I60M4×15X	R16BS	SM6×10XA	WT15IP WH40L	

▲Stock available △Make-to-order

Applicable inserts

Application	For semi-finishing	For roughing	For Al machining
Inserts shape			LH
SRGCR/L□□H/K/M08	RCMT0803MO	RCMT0803MO	RCGX0803MO-LH
SRGCR/L□□H/K/M10	RCMT10T3MO	RCMT10T3MO	
SRGCR/L□□K/M12	RCMT1204MO	RCMT1204MO	
SRGCR/L□□P16	RCMT1606MO	RCMT1606MO	

General turning

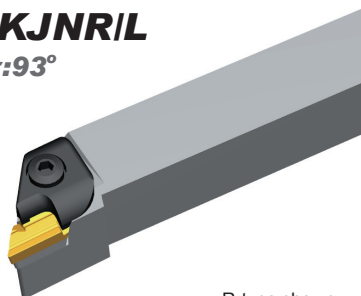
External turning tools

External turning tools

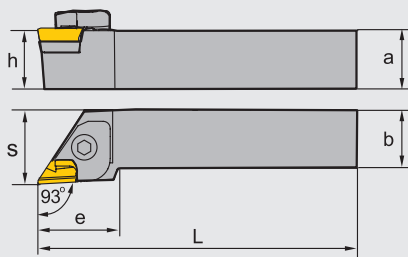
Corresponding tool holders of insert **KNUX** C-type clamping

CKJNRIL

Kr:93°



R-type shown

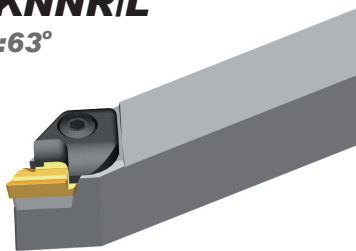


Type	Stock	Basic dimensions(mm)						Applicable inserts	Clamp	Clamp screw	Spring	Clamping stud	Shim	Shim screw	Wrench
		a	b	L	h	s	e								
CKJNR	2525M16	△	25	25	150	25	32	32	KNUX1604□□R A87	C6R1T	CM6×25A	SPR1 SPR2	P0515	K16CC	SM3×10B WH20L WH40L
	3232P16	△	32	32	170	32	40	32							
	4040R16	△	40	40	200	40	50	32							
CKJNL	2525M16	△	25	25	150	25	32	32	KNUX1604□□L A87	C6L1T	CM6×25A	SPR1 SPR2	P0515	K16CCL	SM3×10B WH20L WH40L
	3232P16	△	32	32	170	32	40	32							
	4040R16	△	40	40	200	40	50	32							

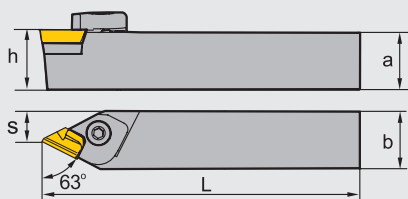
▲Stock available △Make-to-order

CKNNRIL

Kr:63°



R-type shown

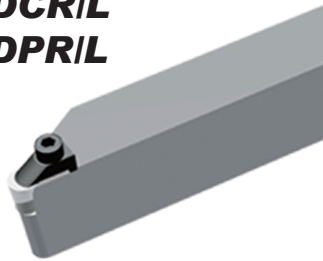


Type	Stock	Basic dimensions(mm)					Applicable inserts	Clamp	Clamp screw	Spring	Clamping stud	Shim	Shim screw	Wrench
		a	b	L	h	s								
CKNNR	2525M16	△	25	25	150	25	14.3	KNUX1604□□R A87	C6R1T	CM6×25A	SPR1 SPR2	P0515	K16CC	SM3×10B WH20L WH40L
	3232P16	△	32	32	170	32	16.8							
CKNNL	2525M16	△	25	25	150	25	14.3	KNUX1604□□L A87	C6L1T	CM6×25A	SPR1 SPR2	P0515	K16CCL	SM3×10B WH20L WH40L
	3232P16	△	32	32	170	32	16.8							

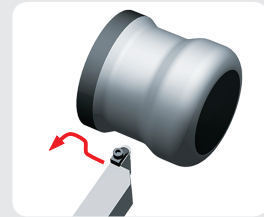
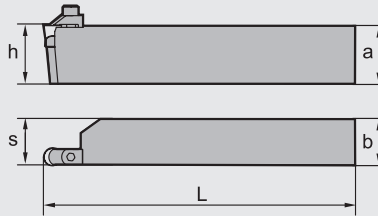
▲Stock available △Make-to-order

Corresponding tool holders of insert **RC/P** C-type clamping

CRDCR/L
CRDPR/L



R-type shown



Type		Stock		Basic dimensions(mm)						Applicable inserts	Clamp	Clamping screw	Wrench	Shim	
		R	L	a	b	L	h	s	Ar						
CRDCR/L	2525M09V-19	△	△	25	25	150	25	25.5	19	RCGN0907 <input type="checkbox"/> <input type="checkbox"/> A152	C3RH	M5*16(GB70-85)	WH40L	RC09XC	
	3232P09V-28	△	△	32	32	170	32	32.5	28						
	4040S09V-38	△	△	40	40	250	40	40.5	38						
		2525M12V-19	△	△	25	25	150	25	25.5	19	RCGN1207 <input type="checkbox"/> <input type="checkbox"/> A152	C4RH	M6*20(GB70-85)	WH50L	RC12XC
		3232P12V-28	△	△	32	32	170	32	32.5	28					
		4040S12V-38	△	△	40	40	250	40	40.5	38					
CRDPR/L	2525M09V-19	△	△	25	25	150	25	25.5	19	RPGN0907 <input type="checkbox"/> <input type="checkbox"/> A152	C3RH	M5*16(GB70-85)	WH40L	RP09XC	
	3232P09V-28	△	△	32	32	170	32	32.5	28						
	4040S09V-38	△	△	40	40	250	40	40.5	38						
		2525M12V-19	△	△	25	25	150	25	25.5	19	RPGN1207 <input type="checkbox"/> <input type="checkbox"/> A152	C4RH	M6*20(GB70-85)	WH50L	RP12XC
		3232P12V-28	△	△	32	32	170	32	32.5	28					
		4040S12V-38	△	△	40	40	250	40	40.5	38					

▲Stock available △Make-to-order

General turning

External turning tools for ceramic inserts