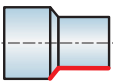
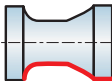
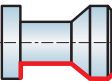
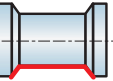
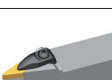
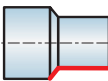
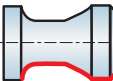
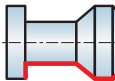
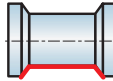
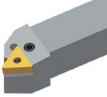
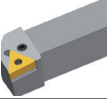
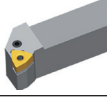
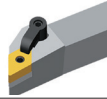
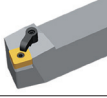
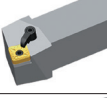
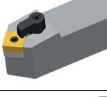
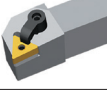
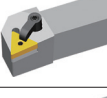


External turning tool holders

Tool holder	Application					Workpiece		Page
	External machining	Facing	Profiling	Profiling	Profiling	Stable	Unstable	
								
D	DCLNR/L 95° 							A197
	DDJNR/L 93° 							A198
	DSBNR/L 75° 							A199
	DTGNR/L 91° 							A200
	DVVNN 72.5° 							A201
	DVJNR/L 93° 							A202
	DWLNLR/L 95° 							A203
P	PCBNR/L 75° 							A204
	PCLNR/L 95° 							A205
	PDJNR/L 93° 							A206
	PDNNR/L 63° 							A207
	PSBNR/L 75° 							A208
	PSDNN 45° 							A210
	PSKNR/L 75° 							A211
	PSSNR/L 45° 							A212

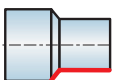
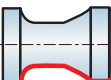
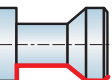
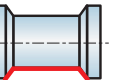
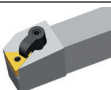
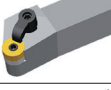
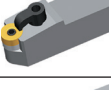
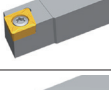
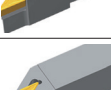
 Recommended

External turning tool holders

Tool holder		Application					Workpiece		Page
		External machining	Facing	Profiling	Profiling	Profiling	Stable	Unstable	
									
P	PTFNR/L 91° 								A213
	PTTNR/L 60° 								A214
	PTGNR/L 90° 								A215
	PWLNR/L 95° 								A217
M	MCBNR/L 75° 								A218
	MCLNR/L 95° 								A219
	MDJNR/L 93° 								A220
	MDPNN 62.5° 								A221
	MSBNR/L 75° 								A222
	MSRNR/L 75° 								A223
	MSKNR/L 75° 								A224
	MSDNN 45° 								A225
	MTGNR/L 90° 								A226
	MTJNR/L 93° 								A227
	MTJNR/L-Z 93° 								A228

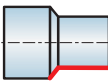
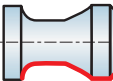
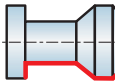
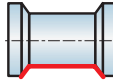
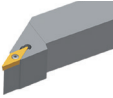
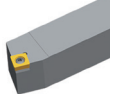
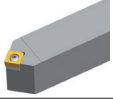
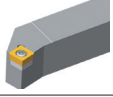
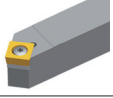
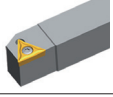
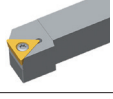
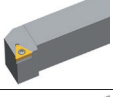
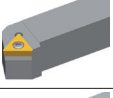
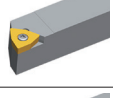
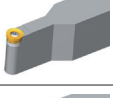
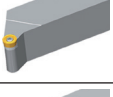
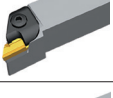
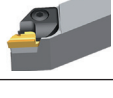
 Recommended

External turning tool holders

Tool holder	Application					Workpiece		Page
	External machining	Facing	Profiling	Profiling	Profiling	Stable	Unstable	
								
M	MTFNR/L 91° 							A229
	MVVNN 72,5° 							A230
	MVJNR/L 93° 							A231
	MWLNLR/L 95° 							A232
	MRGNR/L - 							A234
	MRDNN - 							A233
S	SCACR/L 90° 							A235
	SCLCR/L 95° 							A236
	SDACR/L 90° 							A237
	SDJCR/L 93° 							A238
	SDNCN 63° 							A239
	SVJBR/L 93° 							A240
	SVABR/L 90° 							A241
	SVVBN 72,5° 							A242
	SVVCN 72,5° 							A243

 Recommended

External turning tool holders

Tool holder		Application					Workpiece		Page
		External machining	Facing	Profiling	Profiling	Profiling	Stable	Unstable	
									
S	SVJCR/L 93° 								A244
	SSBCR/L 75° 								A245
	SSDCN 45° 								A246
	SSKCR/L 75° 								A247
	SSSCR/L 45° 								A248
	STACR/L 90° 								A249
	STFCR/L 91° 								A250
	STGCR/L 91° 								A251
	STTCR/L 60° 								A252
	SWACR/L 90° 								A253
	SRDCN - 								A254
	SRGCR/L - 								A255
C	CKJNR/L 93° 								A256
	CKNNR/L 63° 								A257

 Recommended

A

Turning

B

Milling

C

Drilling

D

Technical
Information

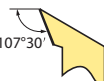
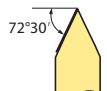
E

Index

P C L N L 25 25 M 12

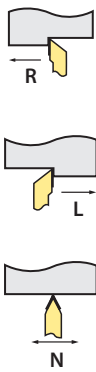
1 2 3 4 5 6 7 8 9

Clamping system			Insert shape	
Code	Description			
P	Système de serrage à levier		C	
M	Serrage à bride et levier		D	
S	Système de serrage à vis		R	
C/J	Serrage par bride		S	
D	Serrage double		T	
			V	
			W	
1			2	

Tool holder type and entering angle				
				
A	B	C	D	E
				
F	G	H	J	K
				
L	M	N	O	P
				
Q	R	S	T	U
				
V	W	X		
3				

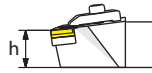
Clearance angle	
B 	C 
D 	E 
N 	P 
4	

Cutting direction



5

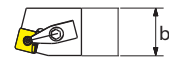
Shank height h [mm]



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

6

Shank width b [mm]



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

7

Holder length L [mm]



Code	L
H	100
K	125
M	150
P	170
Q	180
R	200
S	250
T	300

8

Cutting edge length l [mm]

Insert shape

I.C [mm]	Insert shape						
							
	C	D	R	S	T	V	W
5,56	09						
6,35	06	07	11				
9,525	09	11	09	09	16	16	06
12,7	12	15	12	12	22	22	08
15,875	16	19	15	15	27		
19,05	19	19		19	33		
25,4	25	25		25	44		
32	32						

9

A

Turning

B

Milling

C

Drilling

D

Technical
Information

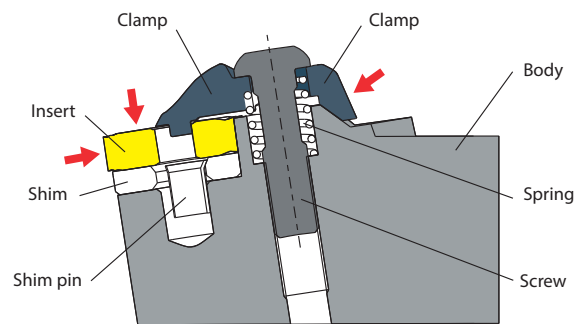
E

Index

Double clamping tool holder

D-Type clamp tool holder

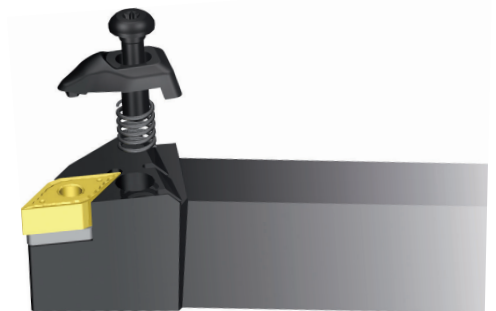
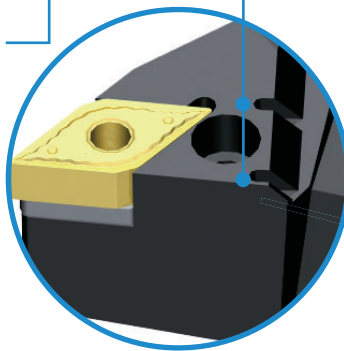
Double clamping system in one operation. The special designed clamping finger enables a stable holding of the inserts, with high accuracy and clamping force for better tool life and higher machining accuracy.



Best indexing accuracy, high clamping force

Stable tool life by secure clamping

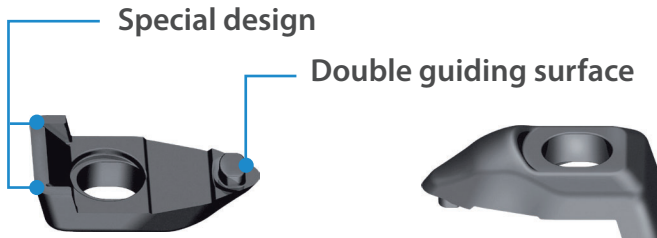
Good anti-corrosive and wear-resistance



Special clamp nose design for more stability and high clamping accuracy

Special design

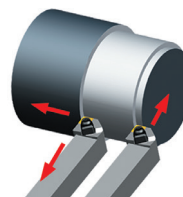
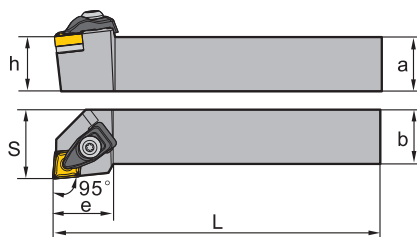
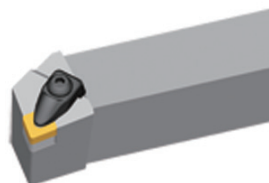
Double guiding surface



CN** holder (external)

D-Clamping

DCLNR/L Kr: 95°



Article		Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
DCLNR/L1616H09		●	○	16	16	100	16	20	24	CN**0903**
DCLNR/L2020K09		●	●	20	20	125	20	25	24	CN**0903**
DCLNR/L2525M09		●	●	25	25	150	25	32	24	CN**0903**
DCLNR/L2020K12		●	●	20	20	125	20	25	28	CN**1204**
DCLNR/L2525M12		●	●	25	25	150	25	32	28	CN**1204**
DCLNR/L3225P12		●	●	32	25	170	32	32	28	CN**1204**

• Ex stock ○ On demand

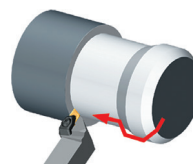
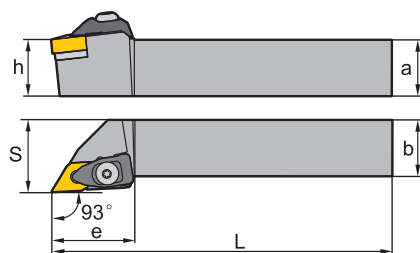
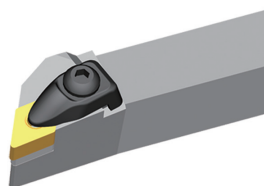
* With internal cooling

Spare parts			
	Insert	CN**0903**	CN**1204**
	h	16-25	20-32
	Clamp	C1RA	C2RA
	Screw (clamp)	CM5x22C (4.0 Nm)	CM6x25C (7.0 Nm)
	Screw (shim)	SM5x8.65XA1	SM6x10XA1
	Shim	C09BM	C12BM
	Spring	SPR6	SPR4
	Wrench (shim)	WH30L	WH40L
	Wrench (clamp)	WH30L	WH40L

Insert					
Wiper	Finishing	Medium Cut	Roughing	Cast Iron	PCBN/PCD
A45	A45	A46	A53	A53	A148

DN** holder (external) D-Clamping

DDJNR/L Kr: 93°



Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
DDJNR/L1616H11	●	●		16	16	100	16	20	30	DN**1104**
DDJNR/L2020K11	●	●		20	20	125	20	25	30	DN**1104**
DDJNR/L2525M11	●	●		25	25	150	25	32	30	DN**1104**
DDJNR/L3225P11	○	○		32	25	170	32	32	30	DN**1104**
DDJNR/L2020K15	●	●		20	20	125	20	25	35	DN**1506**
DDJNR/L2525M15	●	●		25	25	150	25	32	35	DN**1506**
DDJNR/L3232P15	●	●		32	32	170	32	40	35	DN**1506**

● Ex stock ○ On demand

* With internal cooling

Spare parts			
	Insert	DN**1104**	DN**1506**
	h	16-32	20-32
	Clamp	C1RA	C2RA
	Screw (clamp)	CM5x22C (4.0 Nm)	CM6x25C (7.0 Nm)
	Screw (shim)	SM5x8.65XA1	SM6x10XA1
	Shim	D11BM	D15BM
	Spring	SPR6	SPR4
	Wrench (shim)	WH30L	WH40L
	Wrench (clamp)	WH30L	WH40L

Insert					
Wiper	Finishing	Medium Cut	Roughing	Cast Iron	PCBN/PCD
A55	A55	A56	A60	A61	A149

System code > A194

Grade selection > A40

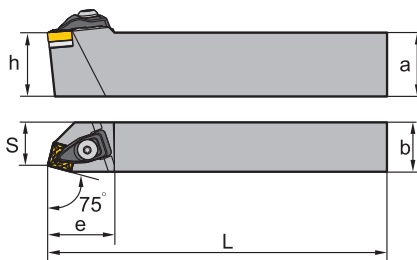
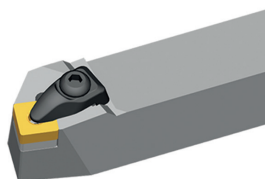
Technical info > A447

Cutting data > A324

SN** holder (external)

D-Clamping

DSBNR/L Kr: 75°



Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
DSBNR/L1616H09	○	○		16	16	100	16	13	26	SN**0903**
DSBNR/L2020K12	●	●		20	20	125	20	17	34	SN**1204**
DSBNR/L2525M12	●	●		25	25	150	25	22	34	SN**1204**
DSBNR/L3225P12	●	●		32	25	170	32	22	34	SN**1204**
DSBNR/L3232P15	●	●		32	32	170	32	27	41	SN**1506**

● Ex stock ○ On demand

* With internal cooling

Spare parts

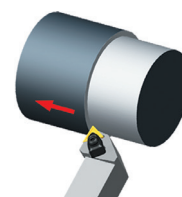
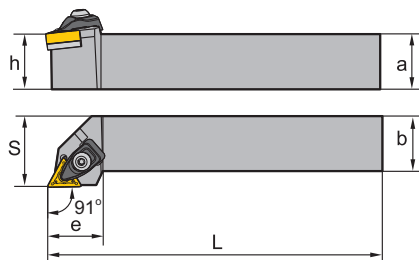
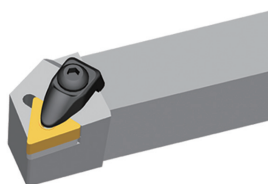
	Insert	SN**0903**	SN**1204**	SN**1506**
	h	16	20-32	32
	Clamp	C1RA	C2RA	C3RA
	Screw (clamp)	CM5x22C (4.0 Nm)	CM6x25C (7.0 Nm)	CM6x25C (7.0 Nm)
	Screw (shim)	SM5x8.65XA1	SM6x10XA1	SM6x10XA2
	Shim	S09BM	S12BM	S15BM
	Spring	SPR6	SPR4	SPR4
	Wrench (shim)	WH30L	WH40L	WH40L
	Wrench (clamp)	WH30L	WH40L	WH40L

Insert

Finishing	Medium Cut	Roughing	Cast Iron	PCBN/PCD
A63	A65	A68	A74	A150

TN** holder (external) D-Clamping

DTGNR/L Kr: 91°



Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
DTGNR/L1616H16	•	•		16	16	100	16	20	25	TN**1604**
DTGNR/L2020K16	•	•		20	20	125	20	25	25	TN**1604**
DTGNR/L2525M16	•	•		25	25	150	25	32	25	TN**1604**

• Ex stock ○ On demand

* With internal cooling

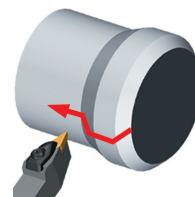
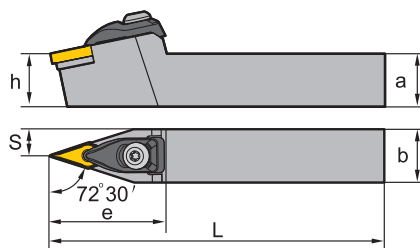
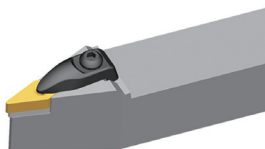
Spare parts		
	Insert	TN**1604**
	h	16-25
	Clamp	C1RA
	Screw (clamp)	CM5x22C (4.0 Nm)
	Screw (shim)	SM5x8.65XA1
	Shim	T16BM
	Spring	SPR6
	Wrench (shim)	WH30L
	Wrench (clamp)	WH30L

Insert					
Wiper	Finishing	Medium Cut	Roughing	Cast Iron	PCBN/PCD
A78	A79	A81	A84	A88	A151

VN** holder (external)

D-Clamping

DVVNN Kr: 72°30'



Article	*	Stock	Dimensions [mm]						Inserts
			a	b	L	h	s	e	
DVVNN2020K16		●	20	20	125	20	10	44	VN**1604**
DVVNN2525M16		●	25	25	150	25	12.5	44	VN**1604**

● Ex stock ○ On demand

* With internal cooling

Spare parts

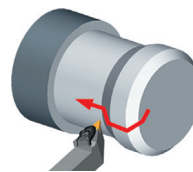
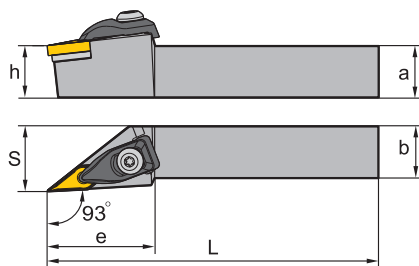
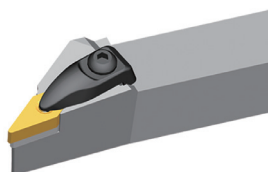
Insert		VN**1604**
h		20-25
	Clamp	C6RA
	Screw (clamp)	CM5x22C (4.0 Nm)
	Screw (shim)	SM5x8.65XA1
	Shim	V16BM
	Spring	SPR6
	Wrench (shim)	WH30L
	Wrench (clamp)	WH30L

Insert

Finishing	Medium Cut	Roughing	Cast Iron	PCBN/PCD
A91	A93	A93	A92	A152

VN** holder (external) D-Clamping

DVJNR/L Kr: 93°



Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
DVJNR/L2020K16	•	•		20	20	125	20	25	41	VN**1604**
DVJNR/L2525M16	•	•		25	25	150	25	32	41	VN**1604**

• Ex stock ○ On demand

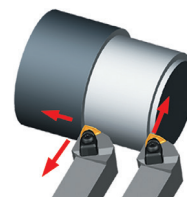
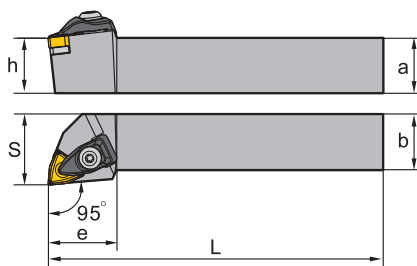
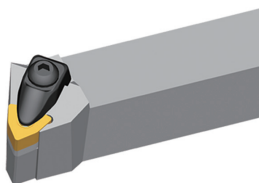
* With internal cooling

Spare parts		
	Insert	VN**1604**
	h	20-25
	Clamp	C6RA
	Screw (clamp)	CM5x22C (4.0 Nm)
	Screw (shim)	SM5x8.65XA1
	Shim	V16BM
	Spring	SPR6
	Wrench (clamp)	WH30L
	Wrench (shim)	WH30L

Insert				
Finishing	Medium Cut	Roughing	Cast Iron	PCBN/PCD
A91	A93	A93	A92	A152

WN** holder (external) D-Clamping

DWLNR/L Kr: 95°



Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
DWLNR/L1616H06	•	•	16	16	100	16	25	24	24	WN**0604**
DWLNR/L2020K06	•	•	20	20	125	20	25	24	24	WN**0604**
DWLNR/L2525M06	•	•	25	25	150	25	32	24	24	WN**0604**
DWLNR/L2020K08	•	•	20	20	125	20	25	31	31	WN**0804**
DWLNR/L2525M08	•	•	25	25	150	25	32	31	31	WN**0804**
DWLNR/L3225P08	•	•	32	25	170	32	32	31	31	WN**0804**

• Ex stock ○ On demand

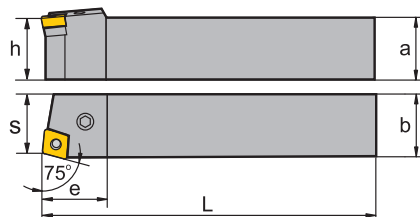
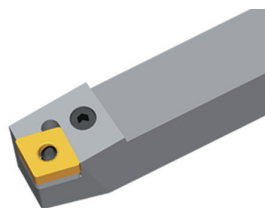
* With internal cooling

Spare parts			
	Insert	WN**0604**	WN**0804**
	h	16-25	20-32
	Clamp	C1RA	C2RA
	Screw (clamp)	CM5x22C (4.0 Nm)	CM6x25C (7.0 Nm)
	Screw (shim)	SM5x8.65XA1	SM6x10XA1
	Shim	W06BM	W08BM
	Spring	SPR6	SPR4
	Wrench (shim)	WH30L	WH40L
	Wrench (clamp)	WH30L	WH40L

Insert					
Wiper	Finishing	Medium Cut	Roughing	Cast Iron	PCBN/PCD
A95	A94	A97	A98	A98	A153

CN** holder (external) P-Clamping

PCBNR/L Kr: 75°



Right hand style

Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
PCBNR/L2020K12	•	•		20	20	125	20	17	27	CN**1204**
PCBNR/L2525M12	•	•		25	25	150	25	22	27	CN**1204**
PCBNR/L3232P12	•	•		32	32	170	32	27	27	CN**1204**
PCBNR/L2525M16	•	•		25	25	150	25	22	33	CN**1606**
PCBNR/L3232P16	•	•		32	32	170	32	27	33	CN**1606**
PCBNR/L3232P19	•	•		32	32	170	32	27	38	CN**1906**
PCBNR/L4040S19	•	•		40	40	250	40	35	38	CN**1906**
PCBNR/L4040S2507	•	•		40	40	250	40	35	50	CN**2507**
PCBNR/L4040S2509	•	•		40	40	250	40	35	50	CN**2509**

• Ex stock ○ On demand

* With internal cooling

Spare parts						
	Insert	CN**1204**	CN**1606**	CN**1906**	CN**2507**	CN**2509**
	h	20-32	25-32	32-40	40	40
	Knee lever	L4	L5	L6	L8	L8
	Screw	LEM8x21 (10.2 Nm)	LEM8x25 (10.2 Nm)	LEM10x27 (16.6 Nm)		
	Screw				LEM12x36A (25.2 Nm)	LEM12x36A (25.2 Nm)
	Shim	C12AP	C16AP	C19AP	C25AP-07	C25AP
	Shim pin (shim)	SP4	SP5	SP6	SP8	SP8
	Wrench	WH30L	WH30L	WH40L	WH50L	WH50L

Insert					
Wiper	Finishing	Medium Cut	Roughing	Cast Iron	PCBN/PCD
A45	A45	A46	A51	A53	A148

System code > A194

Grade selection > A40

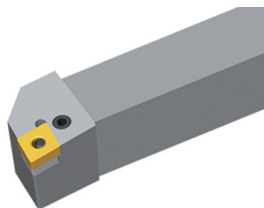
Technical info > A447

Cutting data > A324

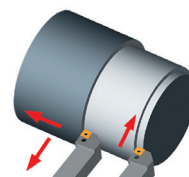
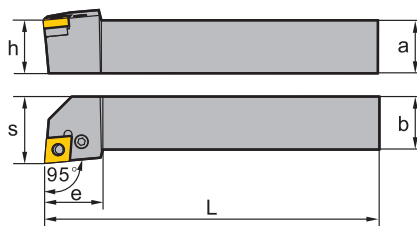
CN** holder (external)

P-Clamping

PCLNR/L Kr: 95°



Right hand style



Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
PCLNR/L1616H09	●	●	16	16	100	16	20	20	20	CN**0903**
PCLNR/L2020K09	●	●	20	20	125	20	25	22	22	CN**0903**
PCLNR/L2525M09	○	●	25	25	150	25	32	22	22	CN**0903**
PCLNR/L2020K12	●	●	20	20	125	20	25	28	28	CN**1204**
PCLNR/L2525M12	●	●	25	25	150	25	32	28	28	CN**1204**
PCLNR/L3232P12	●	●	32	32	170	32	40	28	28	CN**1204**
PCLNR/L2525M16	●	●	25	25	150	25	32	33	33	CN**1606**
PCLNR/L3232P16	●	●	32	32	170	32	40	33	33	CN**1606**
PCLNR/L3232P19	●	●	32	32	170	32	40	38	38	CN**1906**
PCLNR/L4040S19	●	●	40	40	250	40	50	38	38	CN**1906**
PCLNR/L4040S2507	●	●	40	40	250	40	50	49	49	CN**2507**
PCLNR/L4040S2509	●	●	40	40	250	40	50	49	49	CN**2509**

● Ex stock ○ On demand

* With internal cooling

Spare parts

	Insert	CN**0903**	CN**1204**	CN**1606**	CN**1906**	CN**2507**	CN**2509**
	h	16-25	20-32	25-32	32-40	40	40
	Knee lever	L3	L4	L5	L6	L8	L8
	Screw		LEM8×21 (10.2 Nm)	LEM8×25 (10.2 Nm)	LEM10×27 (16.6 Nm)		
	Screw	LEM6×13.4A (7.0 Nm)				LEM12×36A (25.2 Nm)	LEM12×36A (25.2 Nm)
	Shim	C09AP	C12AP	C16AP	C19AP	C25AP-07	C25AP
	Shim pin (shim)	SP10	SP4	SP5	SP6	SP8	SP8
	Wrench	WH25L	WH30L	WH30L	WH40L	WH50L	WH50L

Insert

Wiper	Finishing	Medium Cut	Roughing	Cast Iron	PCBN/PCD
A45	A45	A46	A51	A53	A148

System code > A194

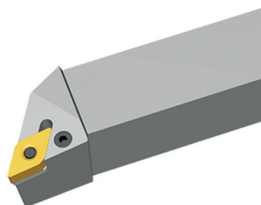
Grade selection > A40

Technical info > A447

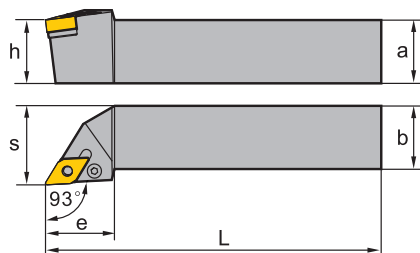
Cutting data > A324

DN** holder (external) P-Clamping

PDJNR/L Kr: 93°



Right hand style



Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
PDJNR/L1616H11	●	●		16	16	100	16	20	25	DN**1104**
PDJNR/L2020K11	●	●		20	20	125	20	25	25	DN**1104**
PDJNR/L2525M11	●	●		25	25	150	25	32	30	DN**1104**
PDJNR/L2020K15-3	●	○		20	20	125	20	25	35	DN**1504**
PDJNR/L2525M15-3	●	●		25	25	150	25	32	35	DN**1504**
PDJNR/L3232P15-3	●	●		32	32	170	32	40	35	DN**1504**
PDJNR/L2020K15	●	●		20	20	125	20	25	35	DN**1506**
PDJNR/L2525M15	●	●		25	25	150	25	32	35	DN**1506**
PDJNR/L3232P15	●	●		32	32	170	32	40	35	DN**1506**

● Ex stock ○ On demand

* With internal cooling

Spare parts				
	Insert	DN**1104**	DN**1504**	DN**1506**
	h	16-32	20-32	20-32
	Knee lever	L3	L4	L4B
	Screw		LEM8x21 (10.2 Nm)	LEM8x21 (10.2 Nm)
	Screw	LEM6x13.4A (7.0 Nm)		
	Shim	D11AP	D15AP	D15AP
	Shim pin (shim)	SP3	SP4	SP4
	Wrench	WH25L	WH30L	WH30L

Insert					
Wiper	Finishing	Medium Cut	Roughing	Cast Iron	PCBN/PCD
A55	A55	A56	A60	A61	A149

System code > A194

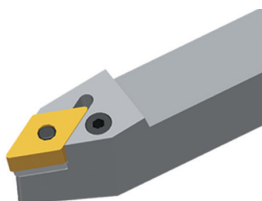
Grade selection > A40

Technical info > A447

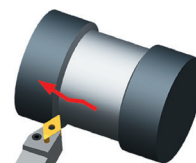
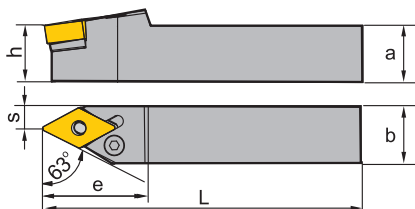
Cutting data > A324

DN** holder (external) P-Clamping

PDNNR/L Kr: 63°



Left hand style



Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
PDNNR/L2020K15-3	●	○		20	20	125	20	8	37	DN**1504**
PDNNR/L2525M15-3	●	○		25	25	150	25	12.5	37	DN**1504**
PDNNR/L3232P15-3	●	●		32	32	170	32	16	37	DN**1504**
PDNNR/L2020K15	●	●		20	20	125	20	8	37	DN**1506**
PDNNR/L2525M15	●	●		25	25	150	25	12.5	37	DN**1506**
PDNNR/L3232P15	●	●		32	32	170	32	16	37	DN**1506**

● Ex stock ○ On demand

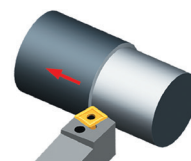
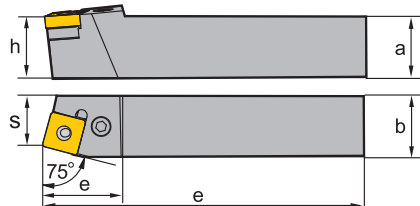
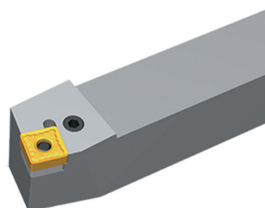
* With internal cooling

Spare parts			
	Insert	DN**1504**	DN**1506**
	h	20-32	20-32
	Knee lever	L4	L4B
	Screw	LEM8×21 (10.2 Nm)	LEM8×21 (10.2 Nm)
	Shim	D15AP	D15AP
	Shim pin (shim)	SP4	SP4
	Wrench	WH30L	WH30L

Insert					
Wiper	Finishing	Medium Cut	Roughing	Cast Iron	PCBN/PCD
A55	A55	A56	A60	A61	A149

SN** holder (external) P-Clamping

PSBNR/L Kr: 75°



Right hand style

Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
PSBNR/L1616H09	●	○		16	16	100	16	13	21	SN**0903**
PSBNR/L2020K09	●	○		20	20	125	20	17	23	SN**0903**
PSBNR/L2020K12	●	●		20	20	125	20	17	28	SN**1204**
PSBNR/L2525M12	●	●		25	25	125	25	22	28	SN**1204**
PSBNR/L3225P12	●	○		32	25	170	32	22	28	SN**1204**
PSBNR/L3232P12	●	○		32	32	170	32	27	28	SN**1204**
PSBNR/L2525M15	●	○		25	25	150	25	22	35	SN**1506**
PSBNR/L3232P15	●	●		32	32	170	32	27	35	SN**1506**
PSBNR/L3232P19	●	●		32	32	170	32	27	40	SN**1906**
PSBNR/L4040S19	●	●		40	40	250	40	35	40	SN**1906**
PSBNR/L4040S2507	○	○		40	40	250	40	35	48	SN**2507**
PSBNR/L4040S2509	○	○		40	40	250	40	35	48	SN**2509**

● Ex stock ○ On demand

* With internal cooling

Spare parts							
	Insert	SN**0903**	SN**1204**	SN**1506**	SN**1906**	SN**2507**	SN**2509**
	h	16-20	20-32	25-32	32-40	40	40
	Knee lever	L3	L4	L5	L6	L8	L8
	Screw		LEM8×21 (10.2 Nm)	LEM8×25 (10.2 Nm)	LEM10×27 (16.6 Nm)		
	Screw	LEM6×13.4A (7.0 Nm)				LEM12×36A (25.2 Nm)	LEM12×36A (25.2 Nm)
	Shim	S09AP	S12AP	S15AP	S19AP	S25AP	
	Shim						S25AP-09
	Shim pin (shim)	SP10	SP4	SP5	SP6	SP8	SP8
	Wrench	WH25L	WH30L	WH30L	WH40L	WH50L	WH50L

System code > A194

Grade selection > A40

Technical info > A447

Cutting data > A324

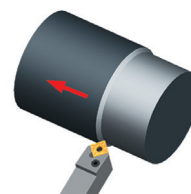
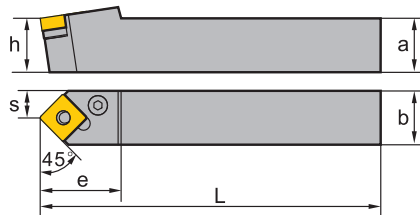
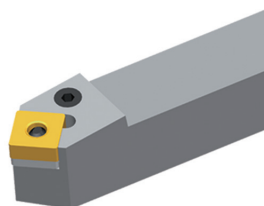
SN** holder (external)

Insert				
				
Finishing	Medium Cut	Roughing	Cast Iron	PCBN/PCD
A63	A65	A68	A74	A150

A	Turning
B	Milling
C	Drilling
D	Technical Information
E	Index

SN** holder (external) P-Clamping

PSDNN Kr: 45°



Article		Stock	Dimensions [mm]						Inserts
			a	b	L	h	s	e	
PSDNN1212F09		○	12	12	80	12	6	21	SN**0903**
PSDNN1616H09		●	16	16	100	16	8	23	SN**0903**
PSDNN2020K12		●	20	20	125	20	10	30	SN**1204**
PSDNN2525M12		●	20	20	150	20	12.5	30	SN**1204**
PSDNN3232P12		●	32	32	170	32	16	40	SN**1204**
PSDNN2525M15		●	25	25	150	25	12.5	40	SN**1506**
PSDNN3232P15		●	32	32	170	32	16	40	SN**1506**
PSDNN3232P19		●	32	32	170	32	16	40	SN**1906**
PSDNN4040S19		●	40	40	250	40	20	40	SN**1906**

● Ex stock ○ On demand

* With internal cooling

Spare parts						
	Insert	SN**0903**	SN**0903**	SN**1204**	SN**1506**	SN**1906**
	h	12	16	20-32	25-32	32-40
	Knee lever	L3B	L3	L3	L5	L6
	Screw	LEM5×12B (4.0 Nm)				
	Screw				LEM8×25 (10.2 Nm)	LEM10×27 (16.6 Nm)
	Screw		LEM6×13.4A (7.0 Nm)	LEM6×13.4A (7.0 Nm)		
	Shim		S09AP	S09AP	S15AP	S19AP
	Shim pin (shim)		SP10	SP10	SP5	SP6
	Wrench	WH20L	WH25L	WH25L	WH30L	WH40L

Insert				
Finishing	Medium Cut	Roughing	Cast Iron	PCBN/PCD
A63	A65	A68	A74	A150

System code > A194

Grade selection > A40

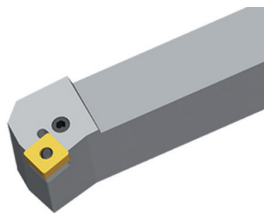
Technical info > A447

Cutting data > A324

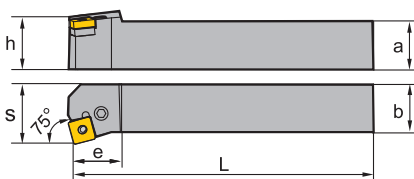
SN** holder (external)

P-Clamping

PSKNR/L Kr: 75°



Right hand style



Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
PSKNR/L1616H09		○	○	16	16	100	16	20	17	SN**0903**
PSKNR/L2020K09		●	○	20	20	125	20	25	20	SN**0903**
PSKNR/L2020K12		●	●	20	20	125	20	25	26	SN**1204**
PSKNR/L2525M12		●	●	25	25	150	25	32	26	SN**1204**
PSKNR/L3232P12		●	●	32	32	170	32	40	26	SN**1204**
PSKNR/L2525M15		●	○	25	25	150	25	32	32	SN**1506**
PSKNR/L3232P15		●	●	32	32	170	32	40	32	SN**1506**
PSKNR/L3232P19		●	●	32	32	170	32	40	36	SN**1906**
PSKNR/L4040S19		○	○	40	40	250	40	50	40	SN**1906**

● Ex stock ○ On demand

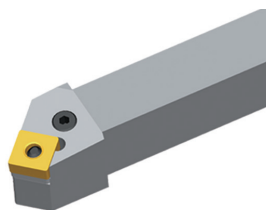
* With internal cooling

Spare parts					
	Insert	SN**0903**	SN**1204**	SN**1506**	SN**1906**
	h	16-20	20-32	25-32	32-40
	Knee lever	L3	L4	L5	L6
	Screw		LEM8×21 (10.2 Nm)	LEM8×25 (10.2 Nm)	LEM10×27 (16.6 Nm)
	Screw	LEM6×13.4A (7.0 Nm)			
	Shim	S09AP	S12AP	S15AP	S19AP
	Shim pin (shim)	SP10	SP4	SP5	SP6
	Wrench	WH25L	WH30L	WH30L	WH40L

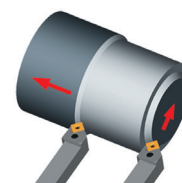
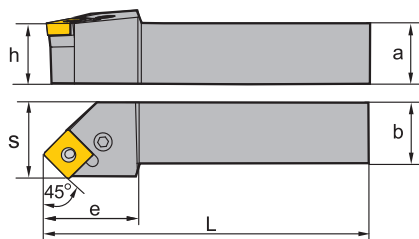
Insert				
Finishing	Medium Cut	Roughing	Cast Iron	PCBN/PCD
A63	A65	A68	A74	A150

SN** holder (external) P-Clamping

PSSNR/L Kr: 45°



Right hand style



Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
PSSNR/L1616H09		●	●	16	16	100	16	20	25	SN**0903**
PSSNR/L2020K12		●	●	20	20	125	20	25	30	SN**1204**
PSSNR/L2525M12		●	●	25	25	150	25	32	30	SN**1204**
PSSNR/L3232P12		●	●	32	32	170	32	40	40	SN**1204**
PSSNR/L2525M15		●	●	25	25	150	25	32	30	SN**1506**
PSSNR/L3232P15		●	●	32	32	170	32	40	40	SN**1506**
PSSNR/L3232P19		●	●	32	32	170	32	40	40	SN**1906**
PSSNR/L4040S19		●	●	40	40	250	40	50	50	SN**1906**
PSSNR/L4040S2507		●	●	40	40	250	40	50	50	SN**2507**
PSSNR/L4040S2509		●	●	40	40	250	40	50	50	SN**2509**

● Ex stock ○ On demand

* With internal cooling

Spare parts							
	Insert	SN**0903**	SN**1204**	SN**1506**	SN**1906**	SN**2507**	SN**2509**
	h	16	20-32	25-32	32-40	40	40
	Knee lever	L3	L4	L5	L6	L8	L8
	Screw		LEM8x21 (10.2 Nm)	LEM8x25 (10.2 Nm)	LEM10x27 (16.6 Nm)		
	Screw	LEM6x13.4A (7.0 Nm)				LEM12x36A (25.2 Nm)	LEM12x36A (25.2 Nm)
	Shim	S09AP	S12AP	S15AP	S19AP	S25AP	
	Shim						S25AP-09
	Shim pin (shim)	SP10	SP4	SP5	SP6	SP8	SP8
	Wrench	WH25L	WH30L	WH30L	WH40L	WH50L	WH50L

Insert				
Finishing	Medium Cut	Roughing	Cast Iron	PCBN/PCD
A63	A65	A68	A74	A150

System code > A194

Grade selection > A40

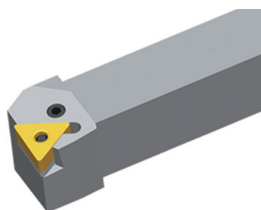
Technical info > A447

Cutting data > A324

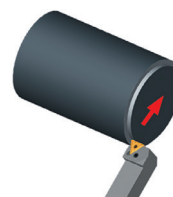
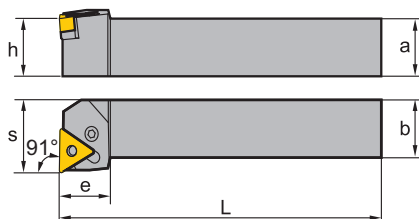
TN** holder (external)

P-Clamping

PTFNR/L Kr: 91°



Right hand style



Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
PTFNR/L1616H16	•	•	•	16	16	100	16	20	20	TN**1604**
PTFNR/L2020K16	•	•	•	20	20	125	20	25	20	TN**1604**
PTFNR/L2525M16	•	•	•	25	25	150	25	32	20	TN**1604**
PTFNR/L2525M22	•	•	•	25	25	150	25	32	25	TN**2204**
PTFNR/L3232P22	•	•	•	32	32	170	32	40	25	TN**2204**
PTFNR/L3232P27	•	○	•	32	32	170	32	40	34	TN**2706**
PTFNR/L4040S27	○	○	•	40	40	250	40	50	34	TN**2706**

• Ex stock ○ On demand

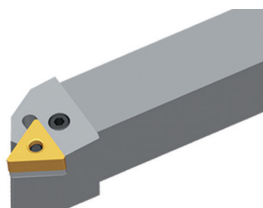
* With internal cooling

Spare parts				
	Insert	TN**1604**	TN**2204**	TN**2706**
	h	16-25	25-32	32-40
	Knee lever	L3	L4	L5
	Screw		LEM8x21 (10.2 Nm)	LEM8x25 (10.2 Nm)
	Screw	LEM6x13.4A (7.0 Nm)		
	Shim	T16AP	T22AP	T27AP
	Shim pin (shim)	SP3	SP4	SP5
	Wrench	WH25L	WH30L	WH30L

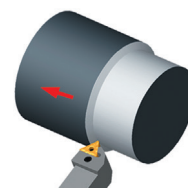
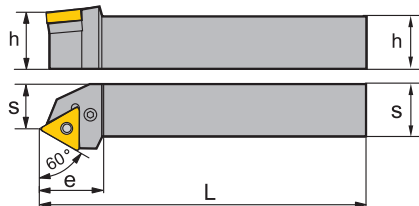
Insert						
Wiper	Finishing	Medium Cut	Roughing	Heavy Turning	Cast Iron	PCBN/PCD
A78	A79	A81	A84	A87	A88	A151

TN** holder (external) P-Clamping

PTTNR/L Kr: 60°



Right hand style



Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
PTTNR/L1616H16	•	•	•	16	16	100	16	13	25	TN**1604**
PTTNR/L2020K16	•	○	•	20	20	125	20	17	25	TN**1604**
PTTNR/L2525M22	•	•	•	25	25	150	20	22	32	TN**2204**

• Ex stock ○ On demand

* With internal cooling

Spare parts

	Insert	TN**1604**	TN**2204**
	h	16-25	20
	Knee lever	L3	L4
	Screw		LEM8×21 (10.2 Nm)
	Screw	LEM6×13.4A (7.0 Nm)	
	Shim	T16AP	T22AP
	Shim pin (shim)	SP3	SP4
	Wrench	WH25L	WH30L

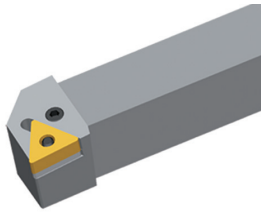
Insert

Wiper	Finishing	Medium Cut	Roughing	Heavy Turning	Cast Iron	PCBN/PCD
A78	A79	A81	A84	A87	A88	A151

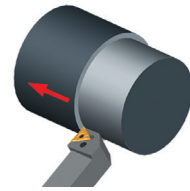
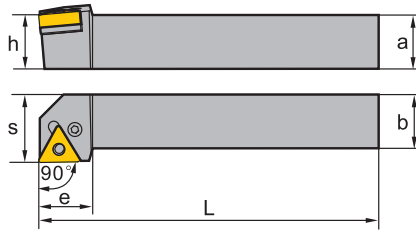
TN** holder (external)

P-Clamping

PTGNR/L Kr: 90°



Right hand style



Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
PTGNR/L1010E11	●			10	10	70	10	14	16	TN**1103**
PTGNR/L1212F11	●	●		12	12	80	12	16	14	TN**1103**
PTGNR/L1616H11	●	●		16	16	100	16	20	18	TN**1103**
PTGNR/L2020K11	●	○		20	20	125	20	25	19	TN**1103**
PTGNR/L2525M11	○	○		25	25	150	25	32	20	TN**1103**
PTGNR/L1616H16	●	●		16	16	100	16	20	20	TN**1604**
PTGNR/L2020K16	●	●		20	20	125	20	25	20	TN**1604**
PTGNR/L2525M16	●	●		25	25	150	25	32	20	TN**1604**
PTGNR/L3232P16	●	○		32	32	170	32	40	20	TN**1604**
PTGNR/L2525M22	●	●		25	25	150	25	32	28	TN**2204**
PTGNR/L3232P22	●	●		32	32	170	32	40	28	TN**2204**
PTGNR/L3232P27	●	○		32	32	170	32	40	33	TN**2706**
PTGNR/L4040S27	○	○		40	40	250	40	50	33	TN**2706**

● Ex stock ○ On demand

* With internal cooling

Spare parts

	Insert h	TN**1103** 10-25	TN**1604** 16-32	TN**2204** 25-32	TN**2706** 32-40
	Knee lever	L2	L3	L4	L5
	Screw	LEM5×9B (4.0 Nm)			
	Screw			LEM8×21 (10.2 Nm)	LEM8×25 (10.2 Nm)
	Screw		LEM6×13.4A (7.0 Nm)		
	Shim		T16AP	T22AP	T27AP
	Shim pin (shim)		SP3	SP4	SP5
	Wrench	WH20L	WH25L	WH30L	WH30L

A

Turning

B

Milling

C

Drilling

D

Technical
Information

E

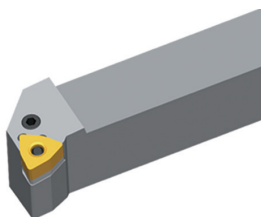
Index

TN** holder (external)

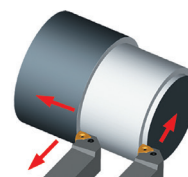
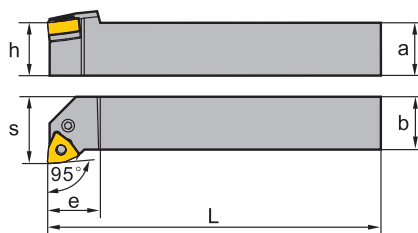
Insert						
						
Wiper	Finishing	Medium Cut	Roughing	Heavy Turning	Cast Iron	PCBN/PCD
A78	A79	A81	A84	A87	A88	A151

WN** holder (external) P-Clamping

PWLNR/L Kr: 95°



Right hand style



Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
PWLNR/L1616H06	●	●	16	16	100	16	20	20	20	WN**0604**
PWLNR/L2020K06	●	●	20	20	125	20	25	25	20	WN**0604**
PWLNR/L2525M06	●	●	25	25	150	25	32	32	20	WN**0604**
PWLNR/L2020K08	●	●	20	20	125	20	25	25	26	WN**0804**
PWLNR/L2525M08	●	●	25	25	150	25	32	32	26	WN**0804**

● Ex stock ○ On demand

* With internal cooling

Spare parts

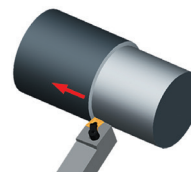
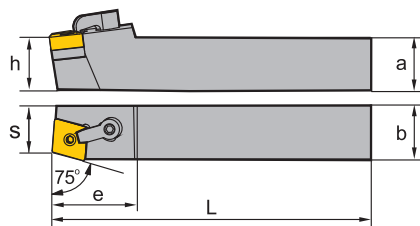
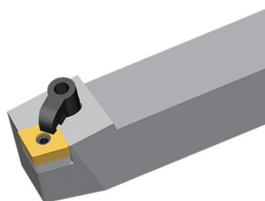
	Insert	WN**0604**	WN**0804**
	h	16-25	20-25
	Knee lever	L3	L4
	Screw		LEM8x21 (10.2 Nm)
	Screw	LEM6x13.4A (7.0 Nm)	
	Shim	W06AP	W08AP
	Shim pin (shim)	SP3	SP4
	Wrench	WH25L	WH30L

Insert

Wiper	Finishing	Medium Cut	Roughing	Cast Iron	PCBN/PCD
A95	A94	A97	A98	A98	A153

CN** holder (external) M-Clamping

MCBNR/L Kr: 75°



Right hand style

Article		Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
MCBNR/L2020K12		●	○	20	20	125	20	17	32	CN**1204**
MCBNR/L2525M12		●	●	25	25	150	20	22	32	CN**1204**
MCBNR/L3225P12		●	●	32	25	170	32	22	32	CN**1204**
MCBNR/L2525M16		○	○	25	25	150	25	22	40	CN**1606**
MCBNR/L3232P16		●	●	32	32	170	32	27	40	CN**1606**
MCBNR/L3232P19		○	○	32	32	170	32	27	45	CN**1906**
MCBNR/L4040R19		○	●	40	40	200	40	35	45	CN**1906**

● Ex stock ○ On demand

* With internal cooling

Spare parts

	Insert	CN**1204**	CN**1204**	CN**1606**	CN**1906**
	h	20	25-32	25-32	32-40
	Clamp	C1RD	C1RD	C2RD	C5RD
	Dowel pin	TM6x17	TM6x17	TM8x21	TM10x21
	Screw (clamp)	DM6x25 (7.0 Nm)	DM6x30 (7.0 Nm)	DM6x30 (7.0 Nm)	
	Screw (clamp)				DM8x30X (10.2 Nm)
	Shim	C12BM	C12BM	C16BM	C19BM
	Wrench (dowel pin)	WH30L	WH30L	WH30L	WH40L
	Wrench (clamp)	WH30L	WH30L	WH30L	WH40L

Insert

Wiper	Finishing	Medium Cut	Roughing	Cast Iron	PCBN/PCD
A45	A45	A46	A53	A53	A148

System code > A194

Grade selection > A40

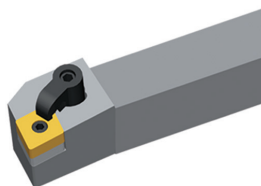
Technical info > A447

Cutting data > A324

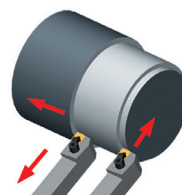
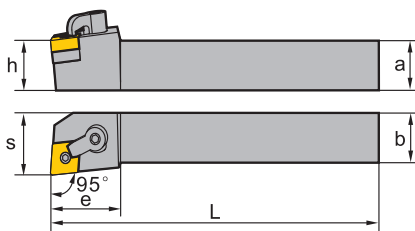
CN** holder (external)

M-Clamping

MCLNR/L Kr: 95°



Right hand style



Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
MCLNR/L2020K12	•	•		20	20	125	20	25	32	CN**1204**
MCLNR/L2525M12	•	•		25	25	150	25	32	32	CN**1204**
MCLNR/L3225P12	•	•		32	25	170	32	32	32	CN**1204**
MCLNR/L2525M16	•	•		25	25	150	25	32	38	CN**1606**
MCLNR/L3232P16	•	•		32	32	170	32	40	38	CN**1606**
MCLNR/L3232P19	•	•		32	32	170	32	40	45	CN**1906**
MCLNR/L4040R19	•	○		40	40	200	40	50	45	CN**1906**

• Ex stock ○ On demand

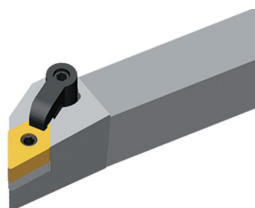
* With internal cooling

Spare parts					
	Insert	CN**1204**	CN**1204**	CN**1606**	CN**1906**
	h	20	25-32	25-32	32-40
	Clamp	C1RD	C1RD	C2RD	C5RD
	Dowel pin	TM6×17	TM6×17	TM8×21	TM10×21
	Screw (clamp)	DM6×25 (7.0 Nm)	DM6×30 (7.0 Nm)	DM6×30 (7.0 Nm)	
	Screw (clamp)				DM8×30X (10.2 Nm)
	Shim	C12BM	C12BM	C16BM	C19BM
	Wrench (dowel pin)	WH30L	WH30L	WH30L	WH40L
	Wrench (clamp)	WH30L	WH30L	WH30L	WH40L

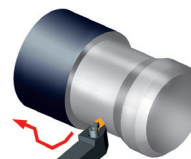
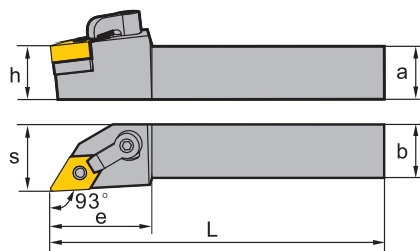
Insert					
Wiper	Finishing	Medium Cut	Roughing	Cast Iron	PCBN/PCD
A45	A45	A46	A53	A53	A148

DN** holder (external) M-Clamping

MDJNR/L Kr: 93°



Right hand style



Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
MDJNR/L2020K11	●	●		20	20	125	20	25	32	DN**1104**
MDJNR/L2525M11	●	●		25	25	150	25	32	32	DN**1104**
MDJNR/L3225P11	●	○		32	25	170	32	32	32	DN**1104**
MDJNR/L2020K15	●	●		20	20	125	20	25	38	DN**1506**
MDJNR/L2525M15	●	●		25	25	150	25	32	38	DN**1506**
MDJNR/L3225P15	●	●		32	25	170	32	32	38	DN**1506**

● Ex stock ○ On demand

* With internal cooling

Spare parts

	Insert	DN**1104**	DN**1104**	DN**1506**	DN**1506**
	h	20	25-32	20	25-32
	Clamp	C1RD	C1RD	C2RD	C2RD
	Dowel pin	TM5x13	TM5x13	TM6x19	TM6x19
	Screw (clamp)	DM6x25 (7.0 Nm)	DM6x30 (7.0 Nm)	DM6x25 (7.0 Nm)	DM6x30 (7.0 Nm)
	Shim	D11BM	D11BM	D15BM	D15BM
	Wrench (clamp)	WH30L	WH30L	WH30L	WH30L
	Wrench (dowel pin)	WH20L	WH20L	WH30L	WH30L

Insert

Wiper	Finishing	Medium Cut	Roughing	Cast Iron	PCBN/PCD
A55	A55	A56	A60	A61	A149

System code > A194

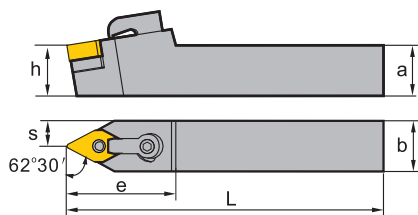
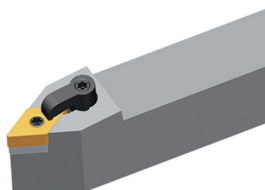
Grade selection > A40

Technical info > A447

Cutting data > A324

DN** holder (external) M-Clamping

MDPNN Kr: 62°30'



Article	*	Stock	Dimensions [mm]						Inserts
			a	b	L	h	s	e	
MDPNN2020K11	•		20	20	125	20	10	35	DN**1104**
MDPNN2525M11	•		25	25	150	25	12.5	35	DN**1104**
MDPNN3225P11	•		32	25	170	32	12.5	35	DN**1104**
MDPNN2020K15	•		20	20	125	20	10	40	DN**1506**
MDPNN2525M15	•		25	25	150	25	12.5	40	DN**1506**
MDPNN3225P15	•		32	25	170	32	12.5	40	DN**1506**

• Ex stock ○ On demand

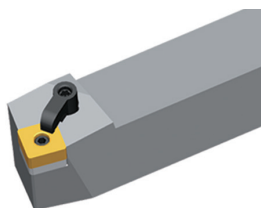
* With internal cooling

Spare parts					
	Insert	DN**1104**	DN**1104**	DN**1506**	DN**1506**
	h	20	25-32	20	25-32
	Clamp	C1RD	C1RD	C2RD	C2RD
	Dowel pin	TM5x13	TM5x13	TM6x19	TM6x19
	Screw (clamp)	DM6x25 (7.0 Nm)	DM6x30 (7.0 Nm)	DM6x25 (7.0 Nm)	DM6x30 (7.0 Nm)
	Shim	D11BM	D11BM	D15BM	D15BM
	Wrench (clamp)	WH30L	WH30L	WH30L	WH30L
	Wrench (dowel pin)	WH20L	WH20L	WH30L	WH30L

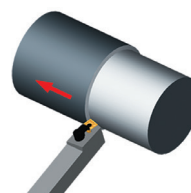
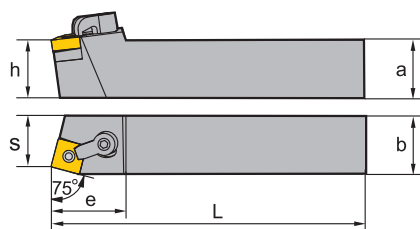
Insert					
Wiper	Finishing	Medium Cut	Roughing	Cast Iron	PCBN/PCD
A55	A55	A56	A60	A61	A149

SN** holder (external) M-Clamping

MSBNR/L Kr: 75°



Right hand style



Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
MSBNR/L2020K12	●	●		20	20	125	20	17	32	SN**1204**
MSBNR/L2525M12	●	○		25	25	150	25	22	32	SN**1204**
MSBNR/L3225P12	●	●		32	25	170	32	22	32	SN**1204**
MSBNR/L2525M15	●	○		25	25	150	25	22	38	SN**1506**
MSBNR/L3232P15	●	●		32	32	170	32	29	38	SN**1506**
MSBNR/L4032R15	○			40	32	200	40	27	38	SN**1506**
MSBNR/L3232P19	●	●		32	32	170	32	27	45	SN**1906**
MSBNR/L4040R19	○	●		40	40	200	40	35	45	SN**1906**
MSBNR/L4040R25	●	○		40	40	200	40	35	50	SN**2507**
MSBNR/L4040S2509	○	○		40	40	250	40	35	50	SN**2509**

● Ex stock ○ On demand

* With internal cooling

Spare parts							
Insert	SN**1204**	SN**1204**	SN**1506**	SN**1906**	SN**2507**	SN**2509**	
h	20	25-32	25-40	32-40	40	40	
Clamp	C1RD	C1RD	C2RD	C5RD	C6RD	C6RD	
Dowel pin	TM6×17	TM6×17	TM8×21	TM10×21	TM12×29	TM12×29	
Screw (clamp)	DM6×25 (7.0 Nm)	DM6×30 (7.0 Nm)	DM6×30 (7.0 Nm)				
Screw (clamp)				DM8×30X (10.2 Nm)	DM10×35X (16.6 Nm)	DM10×35X (16.6 Nm)	
Shim	S12BM	S12BM	S15BM	S19BM	S25BM	S25BM	
Wrench (clamp)	WH30L	WH30L	WH30L	WH40L	WH40L	WH40L	
Wrench (dowel pin)	WH31L	WH31L	WH30L	WH40L	WH50L	WH50L	

Insert				
Finishing	Medium Cut	Roughing	Cast Iron	PCBN/PCD
A63	A65	A68	A74	A150

System code > A194

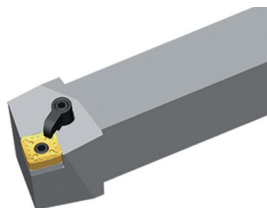
Grade selection > A40

Technical info > A447

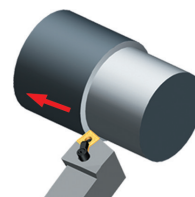
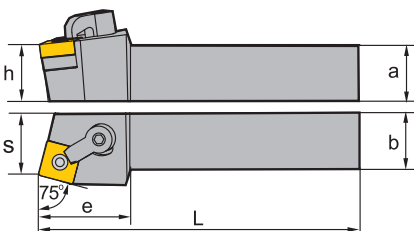
Cutting data > A324

SN** holder (external) M-Clamping

MSRNR/L Kr: 75°



Right hand style



Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
MSRNR/L2020K12	●	●	20	20	125	20	22	36	36	SN**1204**
MSRNR/L2525M12	●	●	25	25	150	25	27	36	36	SN**1204**
MSRNR/L3225P12	●	○	32	25	170	32	27	36	36	SN**1204**
MSRNR/L2525M15	●	○	25	25	150	25	27	40	40	SN**1506**
MSRNR/L3232P15	●	●	32	32	170	32	35	40	40	SN**1506**
MSRNR/L4032R15	○	○	40	32	200	40	35	40	40	SN**1506**
MSRNR/L3232P19	○	○	32	32	170	32	35	45	45	SN**1906**
MSRNR/L4040R19	○	○	40	40	200	40	43	45	45	SN**1906**
MSRNR/L4040R2509	○	○	40	40	200	40	43	50	50	SN**2509**
MSRNR/L4040S2509	○	○	40	40	250	40	43	50	50	SN**2509**

● Ex stock ○ On demand

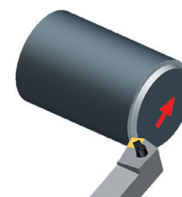
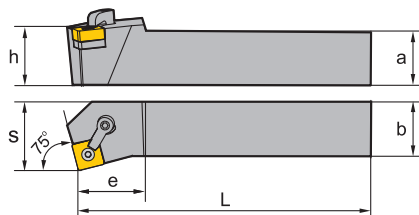
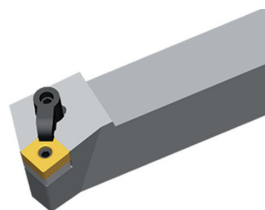
* With internal cooling

Spare parts						
	Insert	SN**1204**	SN**1204**	SN**1506**	SN**1906**	SN**2509**
	h	20	25-32	25-40	32-40	40
	Clamp	C1RD	C1RD	C2RD	C5RD	C6RD
	Dowel pin	TM6×17	TM6×17	TM8×21	TM10×21	TM12×29
	Screw (clamp)	DM6×25 (7.0 Nm)	DM6×30 (7.0 Nm)	DM6×30 (7.0 Nm)		
	Screw (clamp)				DM8×30X (10.2 Nm)	DM10×35X (16.6 Nm)
	Shim	S12BM	S12BM	S15BM	S19BM	S25BM
	Wrench (clamp)	WH30L	WH30L	WH30L	WH40L	WH40L
	Wrench (dowel pin)	WH31L	WH31L	WH30L	WH40L	WH50L

Insert				
Finishing	Medium Cut	Roughing	Cast Iron	PCBN/PCD
A63	A65	A68	A74	A150

SN** holder (external) M-Clamping

MSKNR/L Kr: 75°



Right hand style

Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
MSKNR/L2020K12	●	●		20	20	125	20	25	32	SN**1204**
MSKNR/L2525M12	●	●		25	25	150	25	32	32	SN**1204**
MSKNR/L3225P12	●	○		32	25	170	32	32	32	SN**1204**
MSKNR/L2525M15	●	○		25	25	150	25	32	28	SN**1506**
MSKNR/L3232P15	●	○		32	32	170	32	40	38	SN**1506**
MSKNR/L4032R15		○		40	32	200	40	40	38	SN**1506**
MSKNR/L3232P19	●	●		32	32	170	32	40	45	SN**1906**
MSKNR/L4040R19	○	○		40	40	200	40	50	45	SN**1906**
MSKNR/L4040S2509	○	●		40	40	250	40	50	50	SN**2509**

● Ex stock ○ On demand

* With internal cooling

Spare parts						
Insert	h	SN**1204**	SN**1204**	SN**1506**	SN**1906**	SN**2509**
		20	25-32	25-40	32-40	40
	Clamp	C1RD	C1RD	C2RD	C5RD	C6RD
	Dowel pin	TM6×17	TM6×17	TM8×21	TM10×21	TM12×29
	Screw (clamp)	DM6×25 (7.0 Nm)	DM6×30 (7.0 Nm)	DM6×30 (7.0 Nm)		
	Screw (clamp)				DM8×30X (10.2 Nm)	DM10×35X (16.6 Nm)
	Shim	S12BM	S12BM	S15BM	S19BM	S25BM
	Wrench (clamp)	WH30L	WH30L	WH30L	WH40L	WH40L
	Wrench (dowel pin)	WH30L	WH30L	WH30L	WH40L	WH50L

Insert				
Finishing	Medium Cut	Roughing	Cast Iron	PCBN/PCD
A63	A65	A68	A74	A150

System code > A194

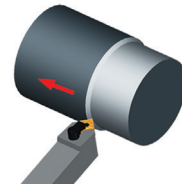
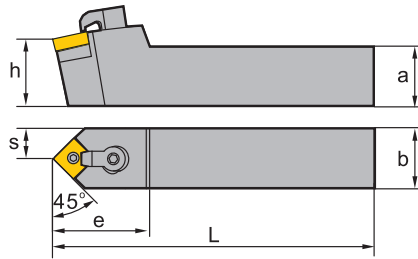
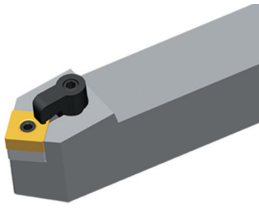
Grade selection > A40

Technical info > A447

Cutting data > A324

SN** holder (external) M-Clamping

MSDNN Kr: 45°



Article	*	Stock	Dimensions [mm]						Inserts
			a	b	L	h	s	e	
MSDNN2020K12	●		20	20	125	20	10	35	SN**1204**
MSDNN2525M12	●		25	25	150	25	12.5	35	SN**1204**
MSDNN3225P12	●		32	25	170	32	12.5	35	SN**1204**
MSDNN2525M15	●		25	25	150	25	12.5	42	SN**1506**
MSDNN3232P15	○		32	32	170	32	16	42	SN**1506**
MSDNN4032R15	○		40	32	200	40	16	42	SN**1506**

● Ex stock ○ On demand

* With internal cooling

Spare parts

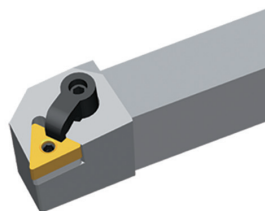
	Insert	SN**1204**	SN**1204**	SN**1506**
	h	20	25-32	25-40
	Clamp	C1RD	C1RD	C2RD
	Dowel pin	TM6×17	TM6×17	TM8×21
	Screw (clamp)	DM6×25 (7.0 Nm)	DM6×30 (7.0 Nm)	DM6×30 (7.0 Nm)
	Shim	S12BM	S12BM	S15BM
	Wrench (clamp)	WH30L	WH30L	WH30L
	Wrench (dowel pin)	WH30L	WH30L	WH30L

Insert

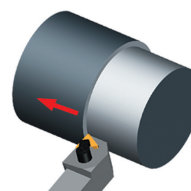
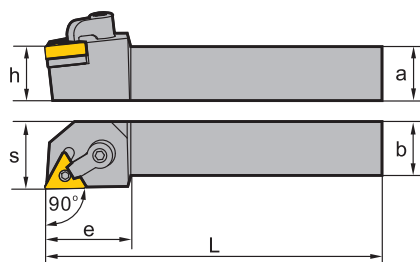
Finishing	Medium Cut	Roughing	Cast Iron	PCBN/PCD
A63	A65	A68	A74	A150

TN** holder (external) M-Clamping

MTGNR/L Kr: 90°



Right hand style



Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
MTGNR/L2020K16		●	○	20	20	125	20	25	33	TN**1604**
MTGNR/L2525M16		●	●	25	25	150	25	32	33	TN**1604**
MTGNR/L3225P16		●	○	32	25	170	32	32	33	TN**1604**
MTGNR/L2525M22		●	○	25	25	150	25	32	35	TN**2204**
MTGNR/L3225P22		○	○	32	25	170	32	32	35	TN**2204**

● Ex stock ○ On demand

* With internal cooling

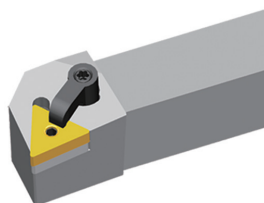
Spare parts				
	Insert h	TN**1604** 20	TN**1604** 25-32	TN**2204** 25-32
	Clamp	C1RD	C1RD	C2RD
	Dowel pin	TM5x13	TM5x13	TM6x17
	Screw (clamp)	DM6x25 (7.0 Nm)	DM6x30 (7.0 Nm)	DM6x30 (7.0 Nm)
	Shim	T16BM	T16BM	T22BM
	Wrench (clamp)	WH30L	WH30L	WH30L
	Wrench (dowel pin)	WH20L	WH20L	WH30L

Insert						
Wiper A78	Finishing A79	Medium Cut A81	Roughing A84	Heavy Turning A87	Cast Iron A88	PCBN/PCD A151

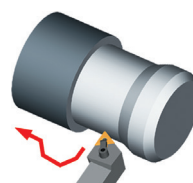
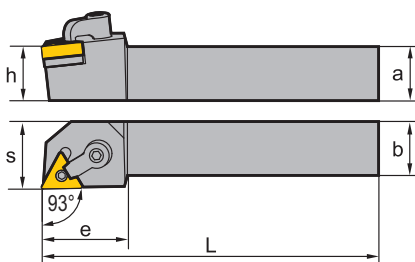
TN** holder (external)

M-Clamping

MTJNR/L Kr: 93°



Right hand style



Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
MTJNR/L2020K16	●			20	20	125	20	25	32	TN**1604**
MTJNR/L2525M16	○	○		25	25	150	25	32	32	TN**1604**
MTJNR/L3225P16	○			32	25	170	32	32	32	TN**1604**
MTJNR/L2525M22	○			25	25	150	25	32	36	TN**2204**
MTJNR/L3225P22	○	●		32	25	170	32	32	36	TN**2204**

● Ex stock ○ On demand

* With internal cooling

Spare parts

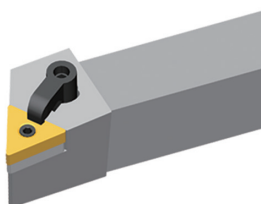
	Insert	TN**1604**	TN**1604**	TN**2204**
	h	20	25-32	25-32
	Clamp	C1RD	C1RD	C2RD
	Dowel pin	TM5x13	TM5x13	TM6x17
	Screw (clamp)	DM6x25 (7.0 Nm)	DM6x30 (7.0 Nm)	DM6x30 (7.0 Nm)
	Shim	T16BM	T16BM	T22BM
	Wrench (clamp)	WH30L	WH30L	WH30L
	Wrench (dowel pin)	WH20L	WH20L	WH30L

Insert

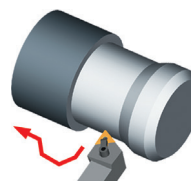
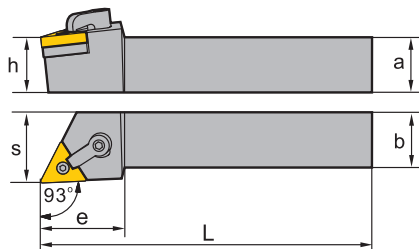
Wiper	Finishing	Medium Cut	Roughing	Heavy Turning	Cast Iron	PCBN/PCD
A78	A79	A81	A84	A87	A88	A151

TN** holder (external) M-Clamping

MTJNR/L-Z Kr: 93°



Right hand style



Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
MTJNR/L2020K16-Z	•	•		20	20	125	20	25	32	TN**1604**
MTJNR/L2525M16-Z	•	•		25	25	150	25	32	32	TN**1604**
MTJNR/L3225P16-Z	•	○		32	25	170	32	32	32	TN**1604**
MTJNR/L2525M22-Z	•	•		25	25	150	25	32	36	TN**2204**
MTJNR/L3225P22-Z	•	○		32	25	170	32	32	36	TN**2204**

• Ex stock ○ On demand

* With internal cooling

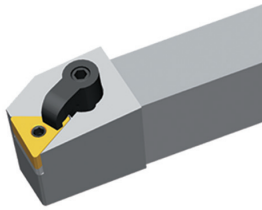
Spare parts				
	Insert h	TN**1604** 20	TN**1604** 25-32	TN**2204** 25-32
	Clamp	C1RD	C1RD	C2RD
	Dowel pin	TM5x13	TM5x13	TM6x17
	Screw (clamp)	DM6x25 (7.0 Nm)	DM6x30 (7.0 Nm)	DM6x30 (7.0 Nm)
	Shim	T16BM	T16BM	T22BM
	Wrench (clamp)	WH30L	WH30L	WH30L
	Wrench (dowel pin)	WH20L	WH20L	WH30L

Insert						
Wiper A78	Finishing A79	Medium Cut A81	Roughing A84	Heavy Turning A87	Cast Iron A88	PCBN/PCD A151

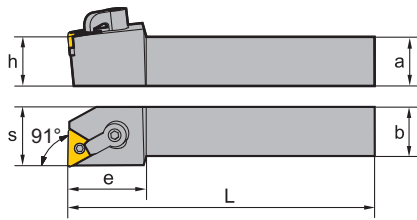
TN** holder (external)

M-Clamping

MTFNR/L Kr: 91°



Right hand style



Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
MTFNR/L2020K16	● ○			20	20	125	20	25	32	TN**1604**
MTFNR/L2525M16	● ●			25	25	150	25	32	32	TN**1604**
MTFNR/L3225P16	●			32	25	170	32	32	32	TN**1604**
MTFNR/L2525M22	● ○			25	25	150	25	32	36	TN**2204**
MTFNR/L3225P22	● ○			32	25	170	32	32	36	TN**2204**

● Ex stock ○ On demand

* With internal cooling

Spare parts

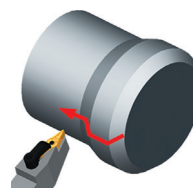
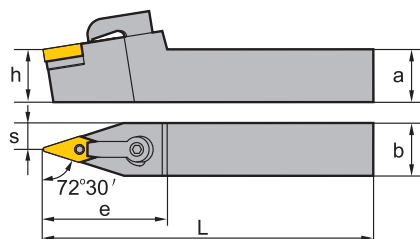
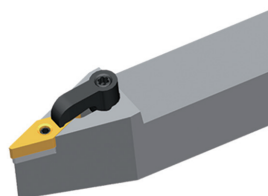
	Insert	TN**1604**	TN**1604**	TN**2204**
	h	20	25-32	25-32
	Clamp	C1RD	C1RD	C2RD
	Dowel pin	TM5x13	TM5x13	TM6x17
	Screw (clamp)	DM6x25 (7.0 Nm)	DM6x30 (7.0 Nm)	DM6x30 (7.0 Nm)
	Shim	T16BM	T16BM	T22BM
	Wrench (clamp)	WH30L	WH30L	WH30L
	Wrench (dowel pin)	WH20L	WH20L	WH30L

Insert

Wiper	Finishing	Medium Cut	Roughing	Heavy Turning	Cast Iron	PCBN/PCD
A78	A79	A81	A84	A87	A88	A151

VN** holder (external) M-Clamping

MVVNN Kr: 72°30'



Article	✱	Stock	Dimensions [mm]						Inserts
			a	b	L	h	s	e	
MVVNN2020K16	●		20	20	125	20	10	45	VN**1604**
MVVNN2525M16	●		25	25	150	25	12.5	45	VN**1604**
MVVNN3225P16	○		32	25	170	32	12.5	45	VN**1604**
MVVNN3232P16	●		32	32	170	32	16	45	VN**1604**

● Ex stock ○ On demand

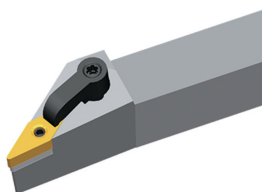
✱ With internal cooling

Spare parts			
	Insert	VN**1604**	VN**1604**
	h	20	25-32
	Clamp	C3RD	C3RD
	Dowel pin	TM5x13	TM5x13
	Screw (clamp)	DM6x25 (7.0 Nm)	DM6x30 (7.0 Nm)
	Shim	V16BM	V16BM
	Wrench (clamp)	WH30L	WH30L
	Wrench (dowel pin)	WH20L	WH20L

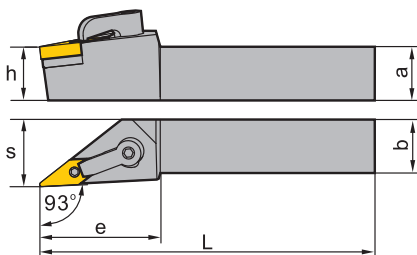
Insert				
Finishing	Medium Cut	Roughing	Cast Iron	PCBN/PCD
A91	A93	A93	A92	A152

VN** holder (external) M-Clamping

MVJNR/L Kr: 93°



Right hand style



Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
MVJNR/L2020K16		●	●	20	20	125	20	25	45	VN**1604**
MVJNR/L2525M16		●	●	25	25	150	25	32	45	VN**1604**
MVJNR/L3225P16		●	●	32	25	170	32	32	45	VN**1604**
MVJNR/L3232P16		●	●	32	32	170	32	40	45	VN**1604**

● Ex stock ○ On demand

* With internal cooling

Spare parts

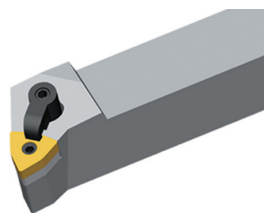
	Insert	VN**1604**	VN**1604**
	h	20	25-32
	Clamp	C3RD	C3RD
	Dowel pin	TM5x13	TM5x13
	Screw (clamp)	DM6x25 (7.0 Nm)	DM6x30 (7.0 Nm)
	Shim	V16BM	V16BM
	Wrench (clamp)	WH30L	WH30L
	Wrench (dowel pin)	WH20L	WH20L

Insert

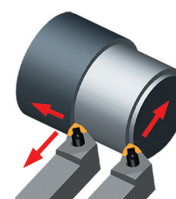
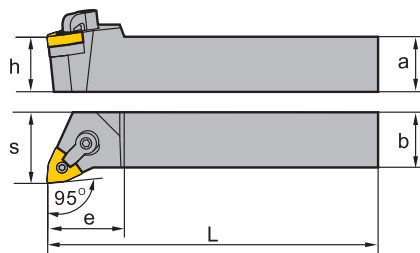
Finishing A91	Medium Cut A93	Roughing A93	Cast Iron A92	PCBN/PCD A152

WN** holder (external) M-Clamping

MWLNLR/L Kr: 95°



Right hand style



Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
MWLNLR/L2020K06		●	●	20	20	125	20	25	30	WN**0604**
MWLNLR/L2525M06		●	●	25	25	150	25	32	30	WN**0604**
MWLNLR/L2020K08		●	●	20	20	125	20	25	30	WN**0804**
MWLNLR/L2525M08		●	●	25	25	150	25	32	35	WN**0804**
MWLNLR/L3232P08		●	●	32	32	170	32	40	35	WN**0804**

● Ex stock ○ On demand

* With internal cooling

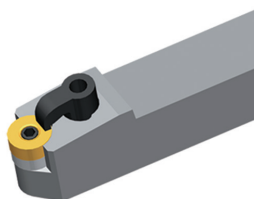
Spare parts					
	Insert h	WN**0604** 20	WN**0604** 25	WN**0804** 20	WN**0804** 25-32
	Clamp	C1RD	C1RD	C1RD	C1RD
	Dowel pin	TM5x13	TM5x13	TM6x17	TM6x17
	Screw (clamp)	DM6x25 (7.0 Nm)	DM6x30 (7.0 Nm)	DM6x25 (7.0 Nm)	DM6x30 (7.0 Nm)
	Shim	W06BM	W06BM	W08BM	W08BM
	Wrench (clamp)	WH30L	WH30L	WH30L	WH30L
	Wrench (dowel pin)	WH20L	WH20L	WH30L	WH30L

Insert					
Wiper A95	Finishing A94	Medium Cut A97	Roughing A98	Cast Iron A98	PCBN/PCD A153

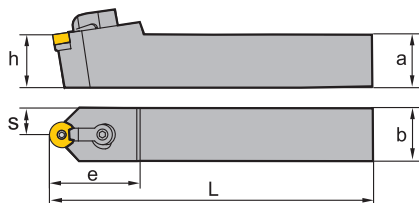
RN** holder (external)

M-Clamping

MRDNN



Right hand style



Article	*	Stock	Dimensions [mm]						Inserts
			a	b	L	h	s	e	
MRDNN2020K12		○	20	20	125	20	10	35	RN**1204**
MRDNN2525M12		○	25	25	150	25	12.5	35	RN**1204**
MRDNN3225P12		○	32	25	170	32	12.5	35	RN**1204**
MRDNN3232P12		○	32	32	170	32	16	35	RN**1204**

● Ex stock ○ On demand

* With internal cooling

Spare parts

	Insert	RN**1204**	RN**1204**
	h	20	25-32
	Clamp	C1RD	C1RD
	Dowel pin	TM6×17	TM6×17
	Screw (clamp)	DM6×25 (7.0 Nm)	DM6×30 (7.0 Nm)
	Shim	R12BM	R12BM
	Wrench (clamp)	WH30L	WH30L
	Wrench (dowel pin)	WH30L	WH30L

Insert

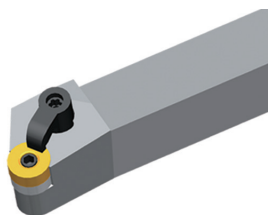


Cast Iron

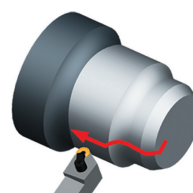
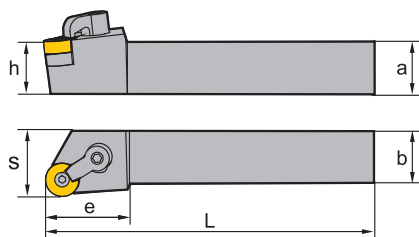
A99

RN** holder (external) M-Clamping

MRGNR/L



Right hand style



Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
MRGNR/L2020K12		○	○	20	20	125	20	25	32	RN**1204**
MRGNR/L2525M12		○	●	25	25	150	25	32	32	RN**1204**
MRGNR/L3225P12		○	○	32	25	170	32	32	32	RN**1204**
MRGNR/L3232P12		○	○	32	32	170	32	40	32	RN**1204**

● Ex stock ○ On demand

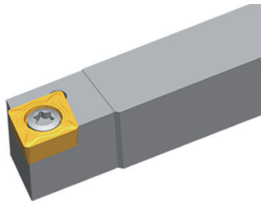
* With internal cooling

Spare parts			
	Insert	RN**1204**	RN**1204**
	h	20	25-32
	Clamp	C1RD	C1RD
	Dowel pin	TM6×17	TM6×17
	Screw (clamp)	DM6×25 (7.0 Nm)	DM6×30 (7.0 Nm)
	Shim	R12BM	R12BM
	Wrench (clamp)	WH30L	WH30L
	Wrench (dowel pin)	WH30L	WH30L

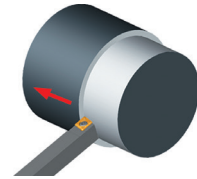
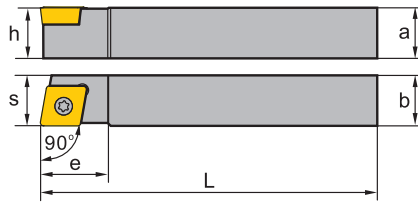
Insert
Cast Iron
A99

CC** holder (external) S-Clamping

SCACR/L Kr: 90°



Right hand style



Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
SCACR/L1010E06	•	•		10	10	70	10	10.5	10	CC**0602**
SCACR/L1212F09	•	•		12	12	80	12	12.7	16	CC**09T3**

• Ex stock ○ On demand

* With internal cooling

Spare parts			
	Insert	CC**0602**	CC**09T3**
	h	10	12
	Screw	I60M2.5×6.5 (1.0 Nm)	I60M3.5×8 (2.7 Nm)
	Wrench (screw)	WT07IP	WT15IP

Insert					
Finishing	Medium Cut	Roughing	Alum Machining	Cast Iron	PCBN/PCD
A102	A106	A107	A108	A107	A154

A

Turning

B

Milling

C

Drilling

D

Technical
Information

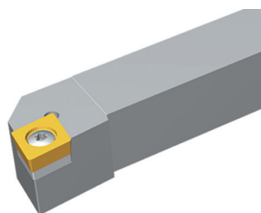
E

Index

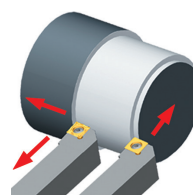
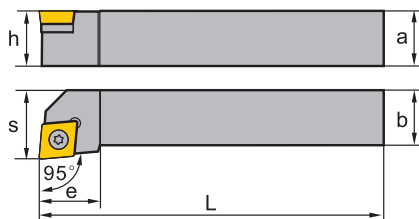
CC** holder (external)

S-Clamping

SCLCR/L Kr: 95°



Right hand style



Article	*	Stock		Dimensions [mm]							Inserts
		R	L	a	b	L	h	s	L ₂	e	
SCLCR/L0808D06	●	●	8	8	60	8	10	10	10	10	CC**0602**
SCLCR/L1010E06	●	●	10	10	70	10	12	10	10	10	CC**0602**
SCLCR/L1212F09	●	●	12	12	80	12	16	16	16	16	CC**09T3**
SCLCR/L1616H09	●	●	16	16	100	16	20	16	16	16	CC**09T3**
SCLCR/L2020K09	●	●	20	20	125	20	25	25	25	25	CC**09T3**
SCLCR/L1616H12	●	●	16	16	100	16	20	18	18	18	CC**1204**
SCLCR/L2020K12	●	●	20	20	125	20	25	25	25	25	CC**1204**
SCLCR/L2525M12	●	●	25	25	150	25	32	26	26	26	CC**1204**
SCLCR/L3225P12	○	○	32	25	170	32	32	26	26	26	CC**1204**
SCLCR/L3232P12	●	●	32	32	170	32	40	28	28	28	CC**1204**

● Ex stock ○ On demand

* With internal cooling

Spare parts				
	Insert	CC**0602**	CC**09T3**	CC**1204**
	h	8-10	12-20	16-32
	Screw	I60M2.5x6.5 (1.0 Nm)	I60M3.5x8 (2.7 Nm)	
	Screw			I60M4x11X (3.4 Nm)
	Screw (shim)			SM6x10XA
	Shim			C12BS
	Wrench (screw)	WT07IP	WT15IP	WT15IP
	Wrench (shim)			WH40L

Insert					
Finishing	Medium Cut	Roughing	Alum Machining	Cast Iron	PCBN/PCD
A102	A106	A107	A108	A107	A154

System code > A194

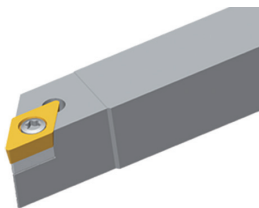
Grade selection > A40

Technical info > A447

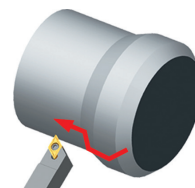
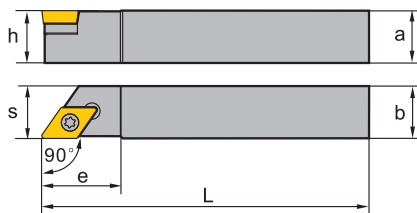
Cutting data > A324

DC** holder (external) S-Clamping

SDACR/L Kr: 90°



Right hand style



Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
SDACR/L1010E07	•	•		10	10	70	10	10.5	15	DC**0702**
SDACR/L1212F11	•	•		12	12	80	12	12.5	15	DC**11T3**
SDACR/L1616H11	•	•		16	16	100	16	16.7	24	DC**11T3**

• Ex stock ○ On demand

* With internal cooling

Spare parts

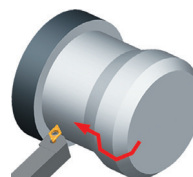
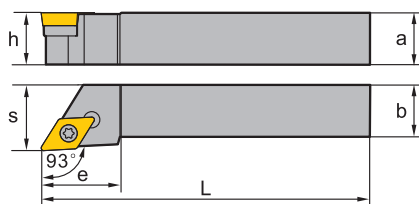
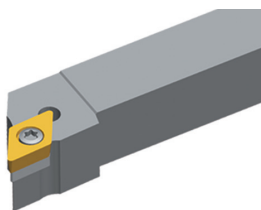
	Insert	DC**0702**	DC**11T3**	DC**11T3**
	h	10	12	16
	Screw	I60M2.5x6.5 (1.0 Nm)	I60M3.5x8 (2.7 Nm)	I60M3.5x12 (2.7 Nm)
	Screw (shim)			SM5x8.65XA
	Shim			D11BS
	Wrench (screw)	WT07IP	WT15IP	WT15IP
	Wrench (shim)			WH35L

Insert

Finishing	Medium Cut	Roughing	Alum Machining	Cast Iron	PCBN/PCD
A112	A114	A115	A115	A115	A155

DC** holder (external) S-Clamping

SDJCR/L Kr: 93°



Right hand style

Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
SDJCR/L1010E07	•	•		10	10	70	10	12	15	DC**0702**
SDJCR/L1212F07	•	•		12	12	80	12	16	15	DC**0702**
SDJCR/L1616H07	•	•		16	16	100	16	20	18	DC**0702**
SDJCR/L1616H11	•	•		16	16	100	16	20	24	DC**11T3**
SDJCR/L2020K11	•	•		20	20	125	20	25	24	DC**11T3**
SDJCR/L2525M11	•	•		25	25	150	25	32	29	DC**11T3**
SDJCR/L3225P11	•	•		32	25	170	32	32	29	DC**11T3**

• Ex stock ○ On demand

* With internal cooling

Spare parts

	Insert	DC**0702**	DC**11T3**
	h	10-16	16-32
	Screw	I60M2.5×6.5 (1.0 Nm)	I60M3.5×12 (2.7 Nm)
	Screw (shim)		SM5×8.65XA
	Shim		D11BS
	Wrench (screw)	WT07IP	WT15IP
	Wrench (shim)		WH35L

Insert

Finishing	Medium Cut	Roughing	Alum Machining	Cast Iron	PCBN/PCD
A112	A114	A115	A115	A115	A155

System code > A194

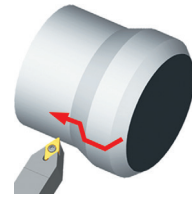
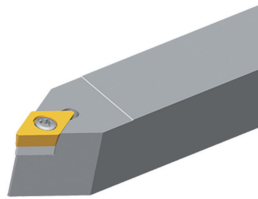
Grade selection > A40

Technical info > A447

Cutting data > A324

DC** holder (external) S-Clamping

SDNCN Kr: 62°30'



Article	*	Stock	Dimensions [mm]						Inserts
			a	b	L	h	s	e	
SDNCN1010E07		●	10	10	70	10	5	20	DC**0702**
SDNCN1212F07		●	12	12	80	12	6	20	DC**0702**
SDNCN1212H11		●	12	12	100	12	6	30	DC**11T3**
SDNCN1616H11		●	16	16	100	16	8	30	DC**11T3**
SDNCN2020K11		●	20	20	125	20	10	30	DC**11T3**
SDNCN2525M11		●	25	25	150	25	12.5	30	DC**11T3**

● Ex stock ○ On demand

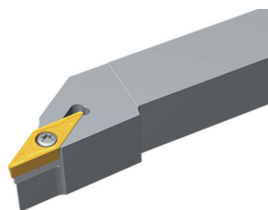
* With internal cooling

Spare parts				
	Insert	DC**0702**	DC**11T3**	DC**11T3**
	h	10-12	12	16-25
	Screw	I60M2.5x6.5 (1.0 Nm)	I60M3.5x8 (2.7 Nm)	I60M3.5x12 (2.7 Nm)
	Screw (shim)			SM5x8.65XA
	Shim			D11BS
	Wrench (screw)	WT07IP	WT15IP	WT15IP
	Wrench (shim)			WH35L

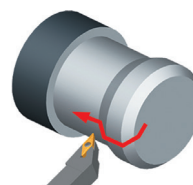
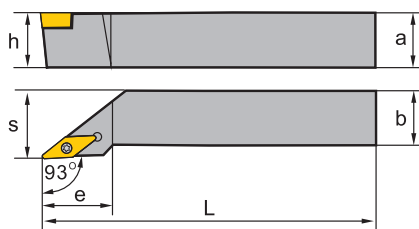
Insert					
Finishing	Medium Cut	Roughing	Alum Machining	Cast Iron	PCBN/PCD
A112	A114	A115	A115	A115	A155

VB** holder (external) S-Clamping

SVJBR/L Kr: 93°



Right hand style



Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
SVJBR/L1212F11		●	●	12	12	80	12	16	27	VB**1102**
SVJBR/L1616H11		●	●	16	16	100	16	20	27	VB**1102**
SVJBR/L2020K11		●	●	20	20	125	20	25	27	VB**1102**
SVJBR/L2525M11		●	●	25	25	150	25	32	27	VB**1102**
SVJBR/L1616H16		●	●	16	16	100	16	20	36	VB**1604**
SVJBR/L2020K16		●	●	20	20	125	20	25	41	VB**1604**
SVJBR/L2525M16		●	●	25	25	150	25	32	41	VB**1604**
SVJBR/L3225P16		●	●	32	25	170	32	32	41	VB**1604**

● Ex stock ○ On demand

* With internal cooling

Spare parts			
	Insert	VB**1102**	VB**1604**
	h	12-25	16-32
	Screw	I60M2.5×6.5 (1.0 Nm)	I60M3.5×12 (2.7 Nm)
	Screw (shim)		SM5×8.65XA
	Shim		V16BS
	Wrench (screw)	WT07IP	WT15IP
	Wrench (shim)		WH35L

Insert			
Finishing	Medium Cut	Roughing	PCBN/PCD
A140	A142	A143	A157

System code > A194

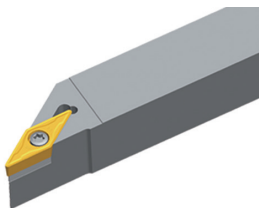
Grade selection > A40

Technical info > A447

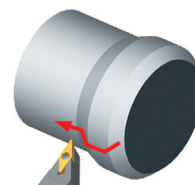
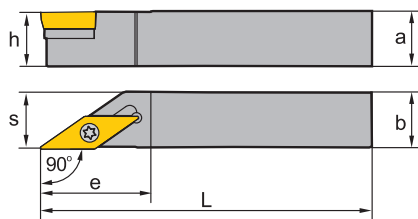
Cutting data > A324

VB** holder (external) S-Clamping

SVABR/L Kr: 90°



Right hand style



Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
SVABR/L1010F11	●	●	10	10	80	10				VB**1102**
SVABR/L1616H16	●	○	16	16	100	16	16.5	28		VB**1604**
SVABR/L2020K16	●	○	20	20	125	20	20.5	28		VB**1604**
SVABR/L2525M16	●	●	25	25	150	25	25.5	28		VB**1604**

● Ex stock ○ On demand

* With internal cooling

Spare parts

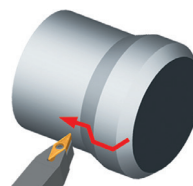
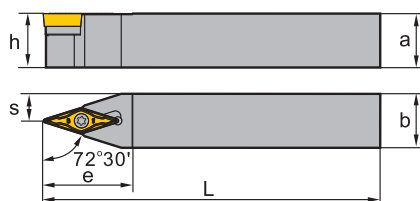
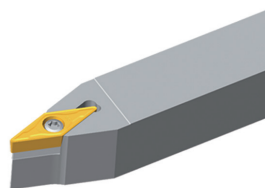
	Insert	VB**1102**	VB**1604**
	h	10	16-32
	Screw	I60M2.5x6.5 (1.0 Nm)	I60M3.5x12 (2.7 Nm)
	Screw (shim)		SM5x8.65XA
	Shim		V16BS
	Wrench (screw)	WT07IP	WT15IP
	Wrench (shim)		WH35L

Insert

Finishing	Medium Cut	Roughing	PCBN/PCD
A140	A142	A143	A157

VB** holder (external) S-Clamping

SVVBN Kr: 72°30'



Article	✱	Stock	Dimensions [mm]						Inserts
			a	b	L	h	s	e	
SVVBN1212F11	●		12	12	80	12	6	27	VB**1102**
SVVBN1616H11	●		16	16	100	16	8	27	VB**1102**
SVVBN2020K11	●		20	20	125	20	10	30	VB**1102**
SVVBN1616H16	●		16	16	100	16	8	33	VB**1604**
SVVBN2020K16	●		20	20	125	20	10	33	VB**1604**
SVVBN2525M16	●		25	25	150	25	12.5	38	VB**1604**

● Ex stock ○ On demand

✱ With internal cooling

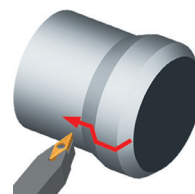
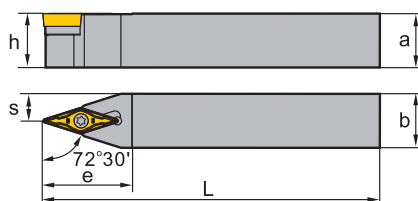
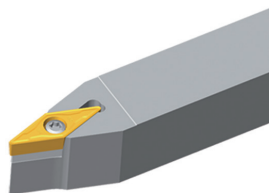
Spare parts			
	Insert	VB**1102**	VB**1604**
	h	12-25	16-32
	Screw	I60M2.5×6.5 (1.0 Nm)	I60M3.5×12 (2.7 Nm)
	Screw (shim)		SM5×8.65XA
	Shim		V16BS
	Wrench (screw)	WT07IP	WT15IP
	Wrench (shim)		WH35L

Insert			
Finishing	Medium Cut	Roughing	PCBN/PCD
A140	A142	A143	A157

VC** holder (external)

S-Clamping

SVVCN Kr: 72°30'



Article	*	Stock	Dimensions [mm]						Inserts
			a	b	L	h	s	e	
SVVCN1212F11		●	12	12	80	12	6	27	VC**1103**
SVVCN1616H11		●	16	16	100	16	8	27	VC**1103**
SVVCN2020K11		●	20	20	125	20	10	30	VC**1103**
SVVCN1212M11		●	12	12	150	12	6	27	VC**1103**
SVVCN2525M11		●	25	25	150	25	12.5	38	VC**1103**
SVVCN1616H16		●	16	16	100	16	8	33	VC**1604**
SVVCN2020K16		●	20	20	125	20	10	33	VC**1604**
SVVCN2525M16		●	25	25	150	25	12.5	38	VC**1604**

● Ex stock ○ On demand

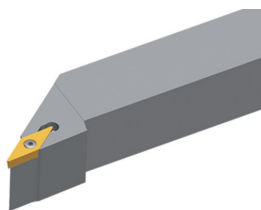
* With internal cooling

Spare parts			
	Insert	VC**1103**	VC**1604**
	h	12-25	16-32
	Screw	I60M2.5x6.5 (1.0 Nm)	I60M3.5x12 (2.7 Nm)
	Screw (shim)		SM5x8.65XA
	Shim		V16BSC
	Wrench (screw)	WT07IP	WT15IP
	Wrench (shim)		WH35L

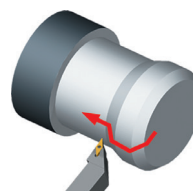
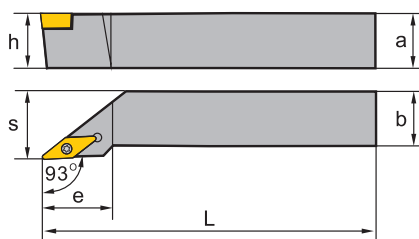
Insert			
Finishing	Medium Cut	Alum Machining	PCBN/PCD
A135	A138	A136	A158

VC** holder (external) S-Clamping

SVJCR/L Kr: 93°



Right hand style



Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
SVJCR/L1010E11	●			10	10	70	10	12	22	VC**1103**
SVJCR/L1212F11	●	●		12	12	80	12	16	27	VC**1103**
SVJCR/L1616H11	●	●		16	16	100	16	20	27	VC**1103**
SVJCR/L2020K11	●	●		20	20	125	20	25	27	VC**1103**
SVJCR/L2525M11	●	●		25	25	150	25	32	27	VC**1103**
SVJCR/L1616H16	●	●		16	16	100	16	20	36	VC**1604**
SVJCR/L2020K16	●	●		20	20	125	20	25	41	VC**1604**
SVJCR/L2020M16	●	●		20	20	150	20	25	41	VC**1604**
SVJCR/L2525M16	●	●		25	25	150	20	32	41	VC**1604**
SVJCR/L3225P16	○	○		32	25	170	32	32	41	VC**1604**

● Ex stock ○ On demand

* With internal cooling

Spare parts			
	Insert	VC**1103**	VC**1604**
	h	10-25	16-32
	Screw	I60M2.5×6.5 (1.0 Nm)	I60M3.5×12 (2.7 Nm)
	Screw (shim)		SM5×8.65XA
	Shim		V16BSC
	Wrench (screw)	WT07IP	WT15IP
	Wrench (shim)		WH35L

Insert			
Finishing	Medium Cut	Alum Machining	PCBN/PCD
A135	A138	A136	A158

System code > A194

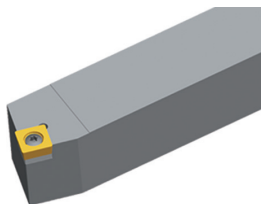
Grade selection > A40

Technical info > A447

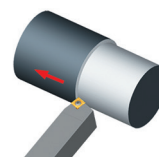
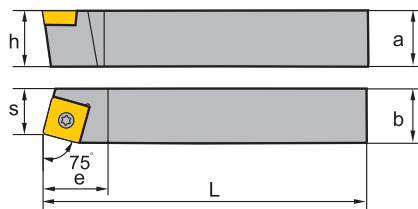
Cutting data > A324

SC** steel boring bar S-Clamping

SSBCR/L Kr: 75°



Right hand style



Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
SSBCR/L1212F09	•	•		12	12	80	12	11	16	SC**09T3**
SSBCR/L1616H09	•	•		16	16	100	16	13	16	SC**09T3**
SSBCR/L2020K12	•	•		20	20	125	20	17	25	SC**1204**

• Ex stock ○ On demand

* With internal cooling

Spare parts

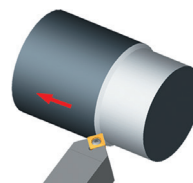
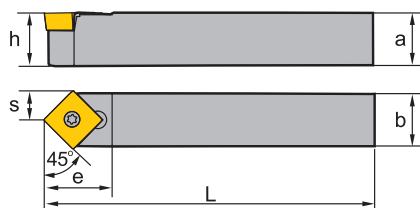
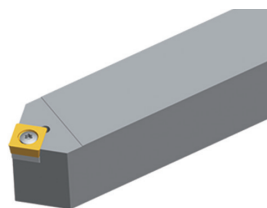
	Insert	SC**09T3**	SC**09T3**	SC**1204**
	h	12	16	20
	Screw	I60M3.5x8 (2.7 Nm)	I60M3.5x8 (2.7 Nm)	
	Screw			I60M4x11X (3.4 Nm)
	Screw (shim)		SM5x8.65XA	SM6x10XA
	Shim		S09BS	S12BS
	Wrench (screw)	WT15IP	WT15IP	WT15IP
	Wrench (shim)		WH35L	WH40L

Insert

Finishing A120	Medium Cut A121	Roughing A122	Alum Machining A122

SC** steel boring bar S-Clamping

SSDCN Kr: 45°



Right hand style

Article	*	Stock	Dimensions [mm]						Inserts
			a	b	L	h	s	e	
SSDCN1212F09	●		12	12	80	12	6	15.5	SC**09T3**
SSDCN1616H09	●		16	16	100	16	8	15.5	SC**09T3**

● Ex stock ○ On demand

* With internal cooling

Spare parts

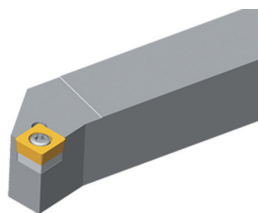
	Insert	SC**09T3**	SC**09T3**
	h	12	16
	Screw	I60M3.5×8 (2.7 Nm)	I60M3.5×8 (2.7 Nm)
	Screw (shim)		SM5×8.65XA
	Shim		S09BS
	Wrench (screw)	WT15IP	WT15IP
	Wrench (shim)		WH35L

Insert

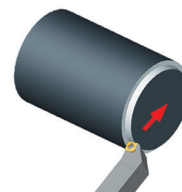
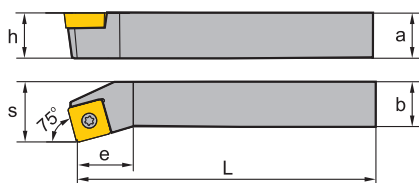
Finishing	Medium Cut	Roughing	Alum Machining
A120	A121	A122	A122

SC** steel boring bar S-Clamping

SSKCR/L Kr: 75°



Right hand style



Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
SSKCR/L1616H09		●	●	16	16	100	16	20	13	SC**09T3**

● Ex stock ○ On demand

* With internal cooling

Spare parts

	Insert	SC**09T3**
	h	16
	Screw	I60M3.5×8 (2.7 Nm)
	Screw (shim)	SM5×8.65XA
	Shim	S09BS
	Wrench (screw)	WT15IP
	Wrench (shim)	WH35L

Insert

Finishing	Medium Cut	Roughing	Alum Machining
A120	A121	A122	A122

System code > A194

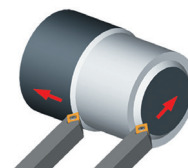
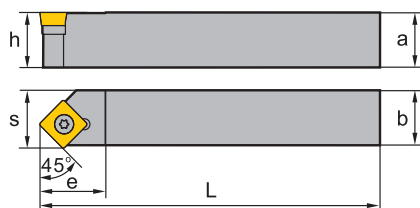
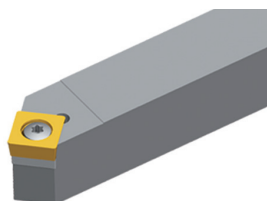
Grade selection > A40

Technical info > A447

Cutting data > A324

SC** steel boring bar S-Clamping

SSSCR/L Kr: 45°



Right hand style

Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
SSSCR/L1616H09	•	•		16	16	100	16	17	17	SC**09T3**
SSSCR/L2020K12	•	•		20	20	125	20	21	21	SC**1204**

• Ex stock ○ On demand

* With internal cooling

Spare parts

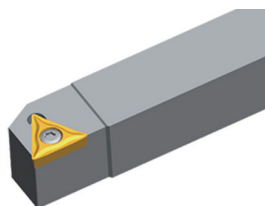
	Insert	SC**09T3**	SC**1204**
	h	16	20
	Screw	I60M3.5×12 (2.7 Nm)	
	Screw		I60M4×11X (3.4 Nm)
	Screw (shim)		SM6×10XA
	Shim		S12BS
	Wrench (screw)	WT15IP	WT15IP
	Wrench (shim)		WH40L

Insert

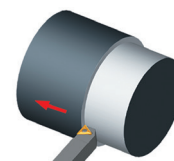
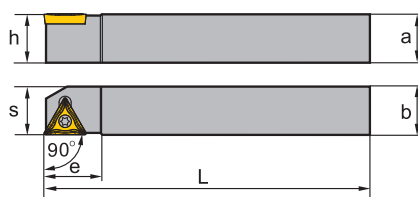
Finishing	Medium Cut	Roughing	Alum Machining
A120	A121	A122	A122

TC holder (external) S-Clamping**

STACR/L Kr: 90°



Right hand style



Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
STACR/L1212F11		●	●	12	12	80	12	12.5	14	TC**1102**

● Ex stock ○ On demand

* With internal cooling

Spare parts		
	Insert	TC**1102**
	h	12
	Screw	I60M2.5×6.5 (1.0 Nm)
	Wrench (screw)	WT07IP

Insert				
Finishing A127	Medium Cut A128	Roughing A129	Alum Machining A131	PCBN/PCD A156

A

Turning

B

Milling

C

Drilling

D

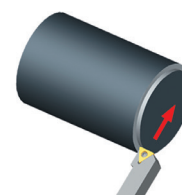
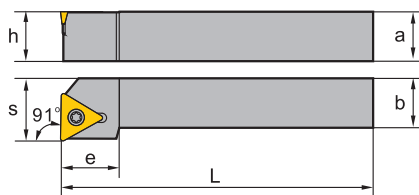
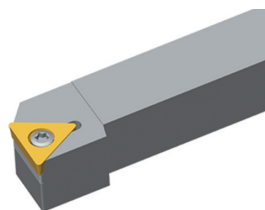
Technical
Information

E

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TC** holder (external) S-Clamping

STFCR/L Kr: 91°



Right hand style

Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
STFCR/L1212F11	● ○			12	12	80	12	16	14	TC**1102**
STFCR/L1616H11	● ○			16	16	100	16	20	14	TC**1102**
STFCR/L1616H16	● ○			16	16	100	16	20	19	TC**16T3**
STFCR/L2020K16	● ●			20	20	125	20	25	19	TC**16T3**

● Ex stock ○ On demand

* With internal cooling

Spare parts

	Insert	TC**1102**	TC**16T3**
	h	12-16	16-20
	Screw	I60M2.5×6.5 (1.0 Nm)	I60M3.5×12 (2.7 Nm)
	Screw (shim)		SM5×8.65XA
	Shim		T16BS
	Wrench (screw)	WT07IP	WT15IP
	Wrench (shim)		WH35L

Insert

Finishing	Medium Cut	Roughing	Alum Machining	Cast Iron	PCBN/PCD
A127	A128	A129	A131	A129	A156

System code > A194

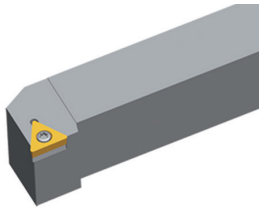
Grade selection > A40

Technical info > A447

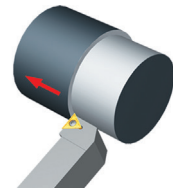
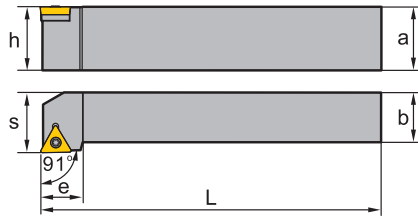
Cutting data > A324

TC** holder (external) S-Clamping

STGCR/L Kr: 91°



Right hand style



Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
STGCR/L0808D09	○	○		8	8	60	8	10	11	TC**0902**
STGCR/L1010E09	●	○		10	10	70	10	12	11	TC**0902**
STGCR/L1212F11	●	●		12	12	80	12	16	14	TC**1102**
STGCR/L1616H11	●	●		16	16	100	16	20	16	TC**1102**
STGCR/L2020K16	●	●		20	20	125	20	25	21	TC**16T3**
STGCR/L2525M16	●	●		25	25	150	25	25	21	TC**16T3**

● Ex stock ○ On demand

* With internal cooling

Spare parts				
	Insert	TC**0902**	TC**1102**	TC**16T3**
	h	8-10	12-16	20-25
	Screw	I60M2.2x5.5 (0.8 Nm)	I60M2.5x6.5 (1.0 Nm)	I60M3.5x12 (2.7 Nm)
	Screw (shim)			SM5x8.65XA
	Shim			T16BS
	Wrench (screw)	WT06IP	WT07IP	WT15IP
	Wrench (shim)			WH35L

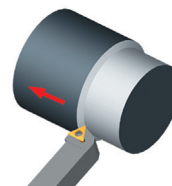
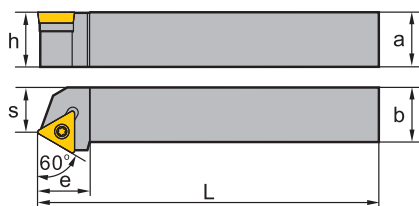
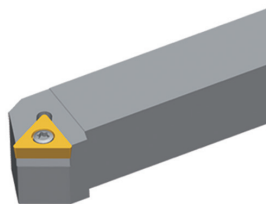
Insert					
Finishing	Medium Cut	Roughing	Alum Machining	Cast Iron	PCBN/PCD
A126	A128	A129	A131	A129	A156

A

Turning

TC** holder (external) S-Clamping

STTCR/L Kr: 60°



Right hand style

B

Milling

Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
STTCR/L1616H11	● ○	●	○	16	16	100	16	13	14	TC**1102**
STTCR/L1616H16	● ●	●	●	16	16	100	16	13	19	TC**16T3**
STTCR/L2020K16	● ●	●	●	20	20	125	20	17	19	TC**16T3**

● Ex stock ○ On demand

* With internal cooling

C

Drilling

Spare parts			
	Insert	TC**1102**	TC**16T3**
	h	16	16-20
	Screw	I60M2.5×6.5 (1.0 Nm)	I60M3.5×12 (2.7 Nm)
	Screw (shim)		SM5×8.65XA
	Shim		T16BS
	Wrench (screw)	WT07IP	WT15IP
	Wrench (shim)		WH35L

D

Technical
Information

Insert					
Finishing	Medium Cut	Roughing	Alum Machining	Cast Iron	PCBN/PCD
A127	A128	A129	A131	A129	A156

E

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System code > A194

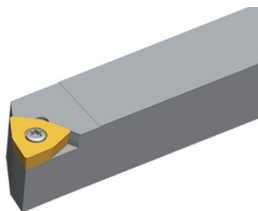
Grade selection > A40

Technical info > A447

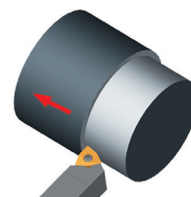
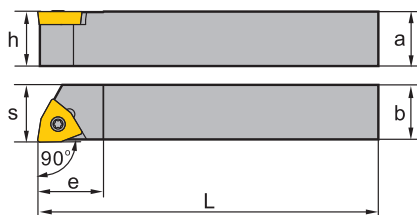
Cutting data > A324

WC** holder (external) S-Clamping

SWACR/L Kr: 90°



Right hand style



Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
SWACR/L1010E04	●	○		10	10	70	10	10.5	10	WC**0402**
SWACR/L1212F04	●	○		12	12	80	12	12	14	WC**0402**
SWACR/L1616H06	●	●		16	16	100	16	16.5	20	WC**06T3**
SWACR/L2020K08	●	●		20	20	125	20	20.5	24	WC**0804**

● Ex stock ○ On demand

* With internal cooling

Spare parts				
	Insert	WC**0402**	WC**06T3**	WC**0804**
	h	10-12	16	20
	Screw	I60M2.5×6.5 (1.0 Nm)	I60M3×7 (1.8 Nm)	I60M3.5×12 (2.7 Nm)
	Wrench (screw)	WT07IP	WT10IP	WT15IP

Insert

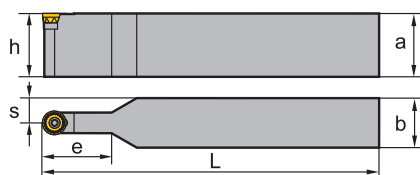
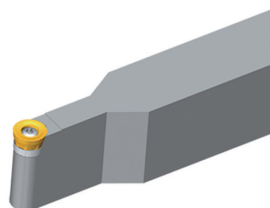


Medium Cut

A144

RC** holder (external) S-Clamping

SRDCN



Article	* Stock	Dimensions [mm]							Inserts	
		a	b	L	h	s	e			
SRDCN1616H08	○	16	16	100	16	8	16	RCGX0803MO	RCMT0803MO	
SRDCN2020K08	●	20	20	125	20	10	16	RCGX0803MO	RCMT0803MO	
SRDCN2020K12	●	20	20	125	20	10	35	RCGX1204MO	RCMT1204MO	
SRDCN2525M12	●	25	25	150	25	12.5	35	RCGX1204MO	RCMT1204MO	
SRDCN3225P12	●	32	25	170	32	12.5	35	RCGX1204MO	RCMT1204MO	
SRDCN2020K10	●	20	20	125	20	10	25	RCMT10T3MO		
SRDCN2525M10	●	25	25	150	25	12.5	25	RCMT10T3MO		
SRDCN3225P16	●	32	25	170	32	12.5	35	RCMT1606MO		
SRDCN3232P16	●	32	32	170	32	16	40	RCMT1606MO		
SRDCN4040S16	●	40	40	250	40	20	50	RCMT1606MO		
SRDCN4040S20	●	40	40	250	40	20	50	RCMT2006MO		

● Ex stock ○ On demand

* With internal cooling

Spare parts						
	Insert	RCGX0803MO	RCGX1204MO	RCMT10T3MO	RCMT1606MO	RCMT2006MO
	h	16-20	20-32	20-25	32-40	40
	Screw	I60M3×7 (1.8 Nm)	I60M3.5×12 (2.7 Nm)	I60M3.5×10 (2.7 Nm)		I43M6*16 (9.1 Nm)
	Screw				I60M4×15X (3.4 Nm)	
	Screw (shim)		SM5×8.65XA		SM6×10XA	
	Shim		R12BS		R16BS	
	Wrench (screw)	WT10IP	WT15IP	WT15IP	WT15IP	
	Wrench (screw)					WT25IT
	Wrench (shim)		WH35L		WH40L	

Insert	
Alum Machining	Cast Iron
A118	A118

System code > A194

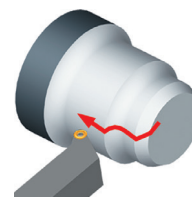
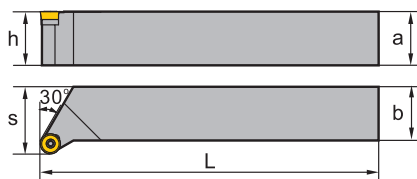
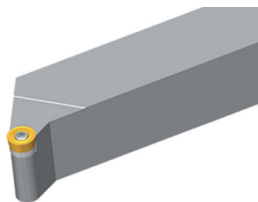
Grade selection > A40

Technical info > A447

Cutting data > A324

RC** holder (external) S-Clamping

SRGCR/L



Right hand style

Article	*	Stock		Dimensions [mm]					Inserts	
		R	L	a	b	L	h	s		
SRGCR/L1616H08		●	●	16	16	100	16	20	RCGX0803MO-LH	RCMT0803MO
SRGCR/L2020K12		●	○	20	20	125	20	27	RCGX1204MO	RCMT1204MO
SRGCR/L2525M12		●	○	25	25	150	25	32	RCGX1204MO	RCMT1204MO
SRGCR/L2525M10		●	○	25	25	100	25	32	RCMT10T3MO	
SRGCR/L2020K10		●	○	20	20	125	20	25	RCMT10T3MO	

● Ex stock ○ On demand

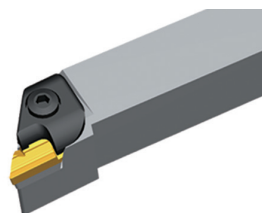
* With internal cooling

Spare parts				
	Insert h	RCGX0803MO-LH 16	RCGX1204MO 20-25	RCMT10T3MO 16-25
	Screw	I60M3.5×10 (2.7 Nm)	I60M3.5×12 (2.7 Nm)	I60M3.5×10 (2.7 Nm)
	Screw (shim)		SM5×8.65XA	
	Shim		R12BS	
	Wrench (screw)	WT15IP	WT15IP	WT15IP
	Wrench (shim)		WH35L	

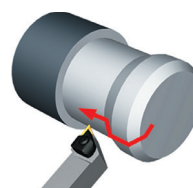
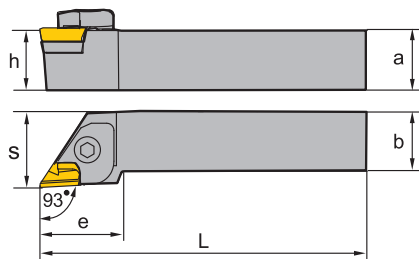
Insert	
	
Alum Machining A118	Cast Iron A118

KNUX** holder C-Clamping

CKJNR/L Kr: 93°



Right hand style



Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
CKJNL2525M16		●		25	25	150	25	32	32	KNUX1604**L
CKJNL3232P16		●		32	32	170	32	40	32	KNUX1604**L
CKJNL4040R16		●		40	40	200	40	50	32	KNUX1604**L
CKJNR2525M16		●		25	25	150	25	32	32	KNUX1604**R
CKJNR3232P16		●		32	32	170	32	40	32	KNUX1604**R
CKJNR4040R16		○		40	40	200	40	50	32	KNUX1604**R

● Ex stock ○ On demand

* With internal cooling

Spare parts			
	Insert	KNUX1604**L	KNUX1604**R
	h	25-40	25-40
	Clamp	C6L1T	C6R1T
	Dowel pin	P0515	P0515
	Screw (clamp)	CM6×25A (7.0 Nm)	CM6×25A (7.0 Nm)
	Screw (shim)	SM3×10B	SM3×10B
	Shim		K16CC
	Shim	K16CCL	
	Spring (clamp)	SPR1	SPR1
	Spring (dowel pin)	SPR2	SPR2
	Wrench (clamp)	WH40L	WH40L
	Wrench (shim)	WH20L	WH20L

Insert



Finishing

A100

System code > A194

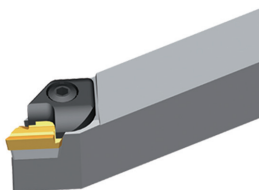
Grade selection > A40

Technical info > A447

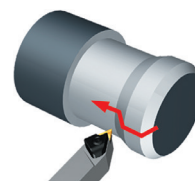
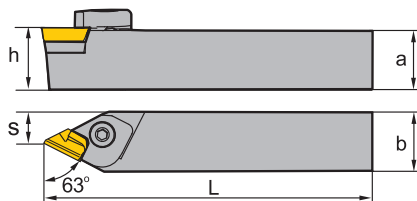
Cutting data > A324

KNUX holder** **C-Clamping**

CKNNR/L Kr: 63°



Right hand style



Article	*	Stock		Dimensions [mm]					Inserts
		R	L	a	b	L	h	s	
CKNNL2525M16	●			25	25	150	25	14.3	KNUX1604**L
CKNNL3232P16	○			32	32	170	32	16.8	KNUX1604**L
CKNNR2525M16	●			25	25	150	25	14.3	KNUX1604**R

● Ex stock ○ On demand

* With internal cooling

Spare parts			
	Insert	KNUX1604**L	KNUX1604**R
	h	25-32	25-32
	Clamp	C6L1T	C6R1T
	Dowel pin	P0515	P0515
	Screw (clamp)	CM6×25A (7.0 Nm)	CM6×25A (7.0 Nm)
	Screw (shim)	SM3×10B	SM3×10B
	Shim		K16CC
	Shim	K16CCL	
	Spring (clamp)	SPR1	SPR1
	Spring (dowel pin)	SPR2	SPR2
	Wrench (clamp)	WH40L	WH40L
	Wrench (shim)	WH20L	WH20L

Insert
Finishing
A100

System code > A194

Grade selection > A40

Technical info > A447

Cutting data > A324



A

Turning

B

Milling

C

Drilling

D

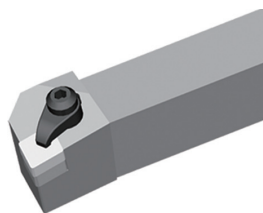
Technical
Information

E

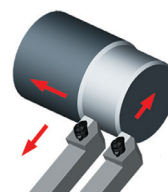
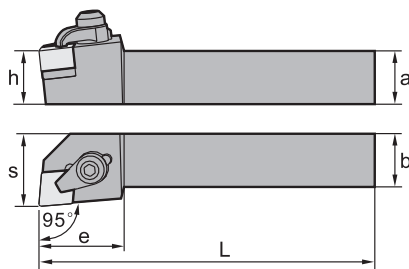
Index

CN** holder (external) C-Clamping

CCLNR/L Kr: 95°



Right hand style



Article	*	Stock		Dimensions [mm]						Inserts	
		R	L	a	b	L	h	s	e		
CCLNR/L2020K12		○	○	20	20	125	20	27	32	CNGN1204**	CNGN1207**
CCLNR/L2525M12		○	●	25	20	100	25	27	36	CNGN1204**	CNGN1207**
CCLNR/L2525M16		○	○	25	25	150	25	32	36	CNGN1604**	CNGN1606**
CCLNR/L3225P16		○	○	32	25	170	32	32	36	CNGN1604**	CNGN1606**

● Ex stock ○ On demand

* With internal cooling

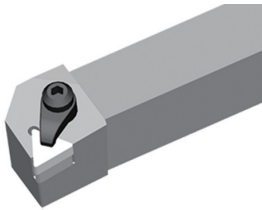
Spare parts					
	Insert	CNGN1204**	CNGN1207**	CNGN1604**	CNGN1606**
	h	20-25	20-25	25-32	25-32
	Clamp	C1RC	C1RC	C2RC	C2RC
	Screw (clamp)	CM6×30B (7.0 Nm)	CM6×30B (7.0 Nm)	CM8×30B (10.2 Nm)	CM8×30B (10.2 Nm)
	Screw (shim)	SM3×10B	SM3×10B	SM4×12B	SM4×12B
	Shim	C12CC-04	C12CC-07	C16CC-04	C16CC-06
	Spring	SPR1	SPR1	SPR3	SPR3
	Wrench (clamp)	WH40L	WH40L	WH50L	WH50L
	Wrench (shim)	WH20L	WH20L	WH30L	WH30L

Insert
PCBN/PCD
A159

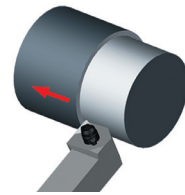
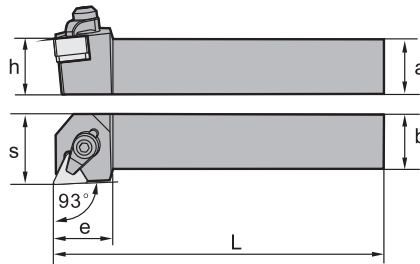
TN** holder (external)

C-Clamping

CTJNR/L Kr: 93°



Right hand style



Article	*	Stock		Dimensions [mm]						Inserts	
		R	L	a	b	L	h	s	e		
CTJNR/L2020K16		○	○	20	20	125	20	25	30	TNGN1604**	TNGN1607**
CTJNR/L2525M16		○	○	25	25	150	25	32	30	TNGN1604**	TNGN1607**

● Ex stock ○ On demand

* With internal cooling

Spare parts

	Insert	TNGN1604**	TNGN1607**
	h	20-25	20-25
	Clamp	C1RC	C1RC
	Screw (clamp)	CM6×30B (7.0 Nm)	CM6×30B (7.0 Nm)
	Screw (shim)	SM3×10B	SM3×10B
	Shim	T16CC-04	T16CC-07
	Spring	SPR1	SPR1
	Wrench (clamp)	WH40L	WH40L
	Wrench (shim)	WH20L	WH20L

Insert

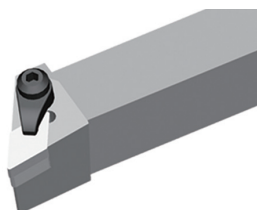


Medium Cut

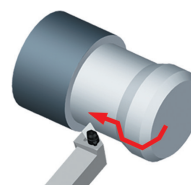
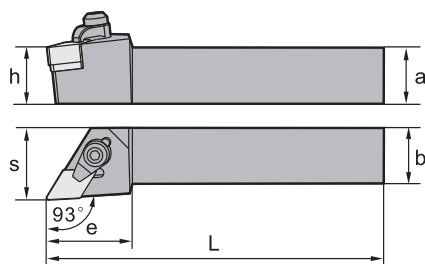
A186

DN** holder (external) C-Clamping

CDJNR/L Kr: 93°



Right hand style



Article	*	Stock		Dimensions [mm]						Inserts	
		R	L	a	b	L	h	s	e		
CDJNR/L2525M15	●	●		25	25	150	25	32	32	DNGN1504**	DNGN1507**
CDJNR/L3225P15	○	○		32	25	170	32	32	32	DNGN1504**	DNGN1507**

● Ex stock ○ On demand

* With internal cooling

Spare parts

	Insert	DNGN1504**	DNGN1507**
	h	25-32	25-32
	Clamp	C1RC	C1RC
	Screw (clamp)	CM6×30B (7.0 Nm)	CM6×30B (7.0 Nm)
	Screw (shim)	SM3×10B	SM3×10B
	Shim	D15CC-04	D15CC-07
	Spring	SPR1	SPR1
	Wrench (clamp)	WH40L	WH40L
	Wrench (shim)	WH20L	WH20L

Insert

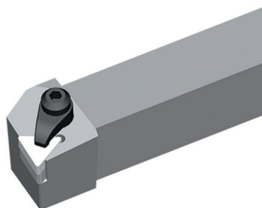


Medium Cut

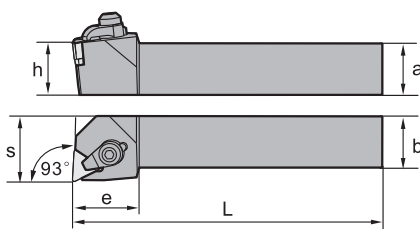
A180

TN holder (external) C-Clamping**

CTUNR/L Kr: 93°



Right hand style



Article	*	Stock		Dimensions [mm]						Inserts	
		R	L	a	b	L	h	s	e		
CTUNR/L2525M16		○	○	25	25	150	25	32	27	TNGN1604**	TNGN1607**

● Ex stock ○ On demand

* With internal cooling

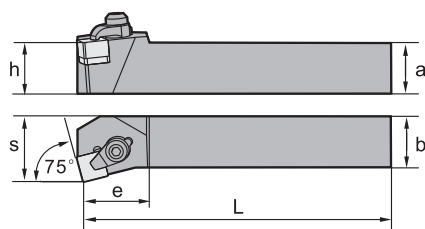
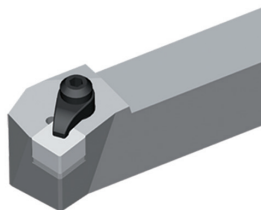
Spare parts			
	Insert	TNGN1604**	TNGN1607**
	h	20-25	20-25
	Clamp	C1RC	C1RC
	Screw (clamp)	CM6×30B (7.0 Nm)	CM6×30B (7.0 Nm)
	Screw (shim)	SM3×10B	SM3×10B
	Shim	T16CC-04	T16CC-07
	Spring	SPR1	SPR1
	Wrench (clamp)	WH40L	WH40L
	Wrench (shim)	WH20L	WH20L

Insert

Medium Cut
A186

SN** holder (external) C-Clamping

CSKNR/L Kr: 75°



Right hand style

Article	*	Stock		Dimensions [mm]						Inserts	
		R	L	a	b	L	h	s	e		
CSKNR/L2020K12		○	○	20	20	125	20	25	25	SNGN1204**	SNGN1207**
CSKNR/L2525M12		○	○	25	25	170	25	32	25	SNGN1204**	SNGN1207**
CSKNR/L3225P12		○	○	32	25	170	32	32	25	SNGN1204**	SNGN1207**
CSKNR/L3225P15		○	○	32	25	170	32	32	30	SNGN1507**	

● Ex stock ○ On demand

* With internal cooling

Spare parts

	Insert	SNGN1204**	SNGN1207**	SNGN1507**
	h	20-32	20-32	32
	Clamp	C1RC	C1RC	C2RC
	Screw (clamp)	CM6×30B (7.0 Nm)	CM6×30B (7.0 Nm)	CM8×30B (10.2 Nm)
	Screw (shim)	SM3×10B	SM3×10B	SM4×12B
	Shim	S12CC-04	S12CC-07	S15CC-07
	Spring	SPR1	SPR1	SPR3
	Wrench (clamp)	WH40L	WH40L	WH50L
	Wrench (shim)	WH20L	WH20L	WH30L

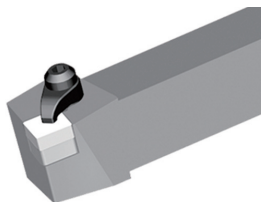
Insert

Cast Iron	PCBN/PCD
A77	A160

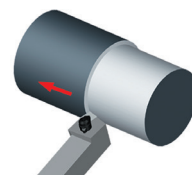
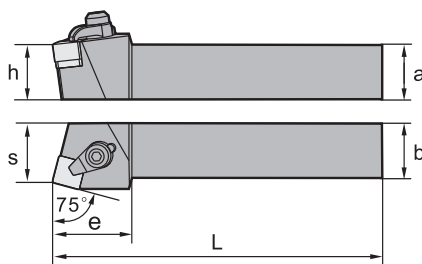
SN** holder (external)

C-Clamping

CSRRN/L Kr: 75°



Right hand style



Article	*	Stock		Dimensions [mm]						Inserts	
		R	L	a	b	L	h	s	e		
CSRRN/L2020K12		○	○	20	20	125	20	22	32	SNGN1204**	SNGN1207**
CSRRN/L2525M12		○	○	25	20	100	25	27	32	SNGN1204**	SNGN1207**
CSRRN/L3225P12		○	○	32	25	170	32	27	32	SNGN1204**	SNGN1207**
CSRRN/L3225P15		○	○	32	25	170	32	32	40	SNGN1507**	
CSRRN/L4040R15		○	○	40	40	200	40	43	40	SNGN1507**	

● Ex stock ○ On demand

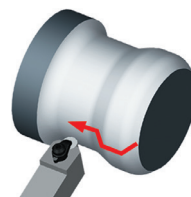
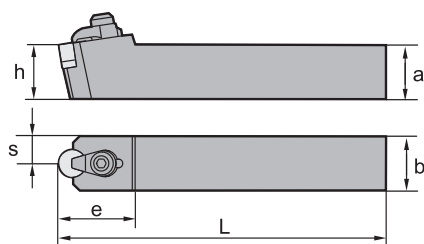
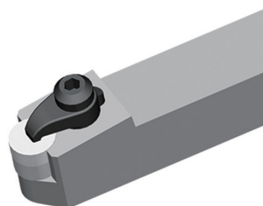
* With internal cooling

Spare parts				
	Insert h	SNGN1204** 20-32	SNGN1207** 20-32	SNGN1507** 32-40
	Clamp	C1RC	C1RC	C2RC
	Screw (clamp)	CM6×30B (7.0 Nm)	CM6×30B (7.0 Nm)	CM8×30B (10.2 Nm)
	Screw (shim)	SM3×10B	SM3×10B	SM4×12B
	Shim	S12CC-04	S12CC-07	S15CC-07
	Spring	SPR1	SPR1	SPR3
	Wrench (clamp)	WH40L	WH40L	WH50L
	Wrench (shim)	WH20L	WH20L	WH30L

Insert	
Cast Iron A77	PCBN/PCD A160

RN** holder (external) C-Clamping

CRDNN



Article	*	Stock	Dimensions [mm]						Inserts	
			a	b	L	h	s	e		
CRDNN2020K12		○	20	20	125	20	10	32	RNGN1204**	RNGN1207**
CRDNN2525M12		○	25	25	150	25	12.5	32	RNGN1204**	RNGN1207**
CRDNN3225P12		○	32	25	170	32	12.5	32	RNGN1204**	RNGN1207**
CRDNN3232P15		○	32	32	170	32	17.5	40	RNGN1507**	
CRDNN4040R15		○	40	40	200	40	20	40	RNGN1507**	

● Ex stock ○ On demand

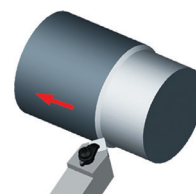
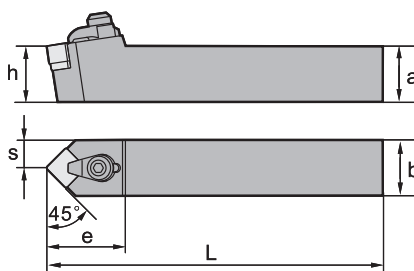
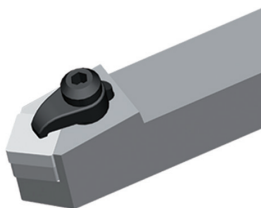
* With internal cooling

Spare parts				
	Insert	RNGN1204**	RNGN1207**	RNGN1507**
	h	20-32	20-32	32-40
	Clamp	C1RC	C1RC	C2RC
	Screw (clamp)	CM6×30B (7.0 Nm)	CM6×30B (7.0 Nm)	CM8×30B (10.2 Nm)
	Screw (shim)	SM3×10B	SM3×10B	SM4×12B
	Shim	R12CC-04	R12CC-07	R15CC-07
	Spring	SPR1	SPR1	SPR3
	Wrench (clamp)	WH40L	WH40L	WH50L
	Wrench (shim)	WH20L	WH20L	WH30L

Insert
PCBN/PCD
A162

SN** holder (external) C-Clamping

CSDNN Kr: 45°



Article	* Stock	Dimensions [mm]							Inserts	
		a	b	L	h	s	e			
CSDNN2020K12	○	20	20	125	20	10	35		SNGN1204**	SNGN1207**
CSDNN2525M12	●	25	25	150	25	12.5	30		SNGN1204**	SNGN1207**
CSDNN3225P12	○	32	25	170	32	12.5	35		SNGN1204**	SNGN1207**

● Ex stock ○ On demand

* With internal cooling

Spare parts			
	Insert h	SNGN1204** 20-32	SNGN1207** 20-32
	Clamp	C1RC	C1RC
	Screw (clamp)	CM6×30B (7.0 Nm)	CM6×30B (7.0 Nm)
	Screw (shim)	SM3×10B	SM3×10B
	Shim	S12CC-04	S12CC-07
	Spring	SPR1	SPR1
	Wrench (clamp)	WH40L	WH40L
	Wrench (shim)	WH20L	WH20L

Insert	
Cast Iron A77	PCBN/PCD A160

A

Turning

B

Milling

C

Drilling

D

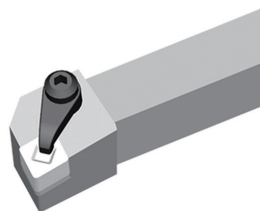
Technical
Information

E

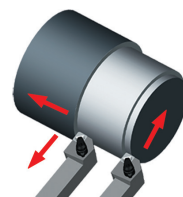
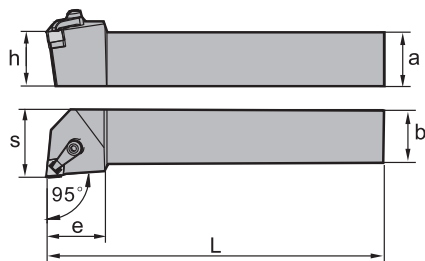
Index

CN** holder (external) J-Clamping

JCLNR/L Kr: 95°



Right hand style



Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
JCLNR/L2020K12		○	○	20	20	125	20	29	32	CNGX1207**
JCLNR/L2525M12		○	○	25	25	150	25	32	32	CNGX1207**

● Ex stock ○ On demand

* With internal cooling

Spare parts

	Insert	CNGX1207**
	h	20-25
	Clamp	C1RJ
	Screw (clamp)	CM6×30B (7.0 Nm)
	Screw (shim)	SM3×10B
	Shim	C12CC-07
	Spring	SPR1
	Wrench (clamp)	WH40L
	Wrench (shim)	WH20L

Insert

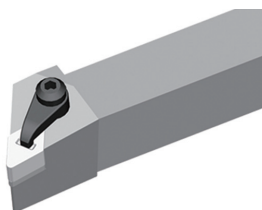


Medium Cut

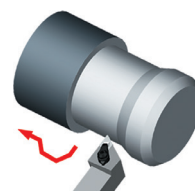
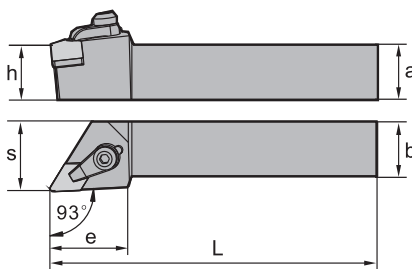
A178

DN** holder (external) J-Clamping

JDJNR/L Kr: 93°



Right hand style



Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
JDJNR/L2525M15	●	○		25	25	150	25	32	38	DNGX1507**
JDJNR/L3225P15	○	○		32	25	170	32	32	38	DNGX1507**

● Ex stock ○ On demand

* With internal cooling

Spare parts

	Insert	DNGX1507**
	h	25-32
	Clamp	C1RJ
	Screw (clamp)	CM6×30B (7.0 Nm)
	Screw (shim)	SM3×10B
	Shim	D15CC-07
	Spring	SPR1
	Wrench (clamp)	WH40L
	Wrench (shim)	WH20L

Insert

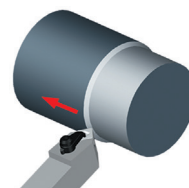
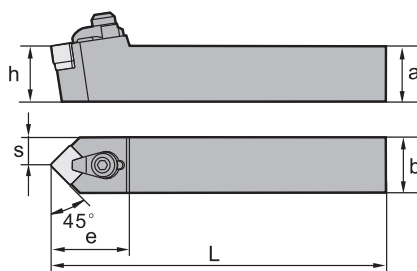
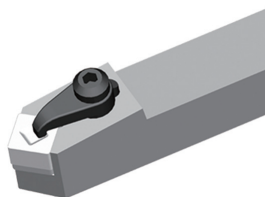


Medium Cut

A181

SN** holder (external) J-Clamping

JSDNN Kr: 45°



Article		Stock	Dimensions [mm]						Inserts
			a	b	L	h	s	e	
JSDNN2020K12		○	20	20	125	20	10	40	SNGX1207**
JSDNN2525M12		○	25	25	150	25	12.5	40	SNGX1207**
JSDNN3225P12		○	32	25	170	32	12.5	40	SNGX1207**

● Ex stock ○ On demand

* With internal cooling

Spare parts		
	Insert	SNGX1207**
	h	20-32
	Clamp	C1RJ
	Screw (clamp)	CM6×30B (7.0 Nm)
	Screw (shim)	SM3×10B
	Shim	S12CC-07
	Spring	SPR1
	Wrench (clamp)	WH40L
	Wrench (shim)	WH20L

Insert
Medium Cut
A183

[illegible]

Turning

Milling

Drilling

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S C L N L 25 25 M 12 – S C

1 2 3 4 5 6 7 8 9 10 11

Clamping system	
Code	Description
S	Knee lever clamping 

Insert shape	
C	
D	
R	
S	
T	
V	
W	

1

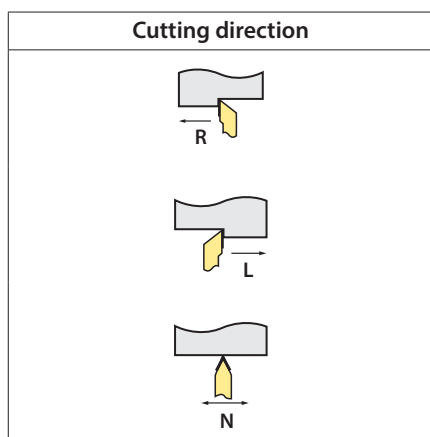
2

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

3

Clearance angle	
B 	C 
D 	E 
N 	P 

4

**5**

Shank height h [mm]

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

6

Shank width b [mm]

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

7

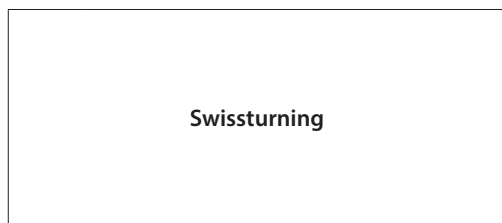
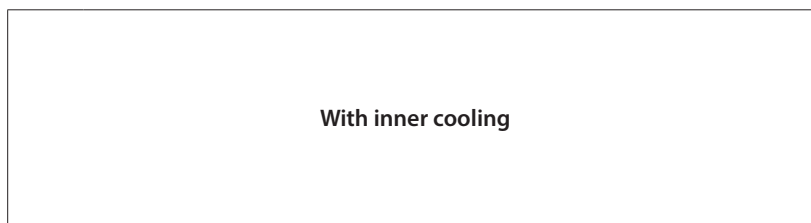
Holder length L [mm]

Code	L
H	100
K	125
M	150
P	170
Q	180
R	200
S	250
T	300

8

Cutting edge length l [mm]

I.C [mm]	Insert shape						
	C	D	R	S	T	V	W
5,56					09		
6,35	06	07			11		
9,525	09	11	09	09	16	16	06
12,7	12	15	12	12	22	22	08
15,875	16	19	15	15	27		
19,05	19		19	19	33		
25,4	25		25	25	44		
32			32				

9**10****11****A**

Turning

B

Milling

C

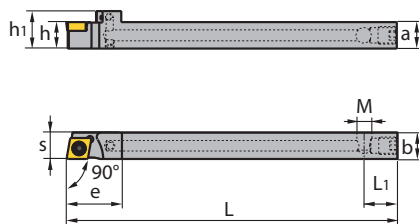
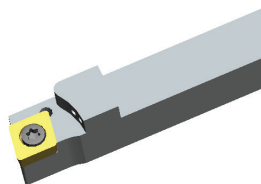
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CC** holder S-Clamping

SCACR/L-SC Kr: 90°



Article	*	Stock		Dimensions [mm]									kg	Inserts
		R	L	a	b	L	h	h ₁	s	L ₁	e	M		
SCACR/L1212M09-SC	*	●	●	12	12	150	12	17	12	15	25	M8X1	0.14	CC**09T3**
SCACR/L1616H09-SC	*	●	●	16	16	100	16	21	16	15	28	M8X1	0.21	CC**09T3**

● Ex stock ○ On demand

* With internal cooling

Spare parts

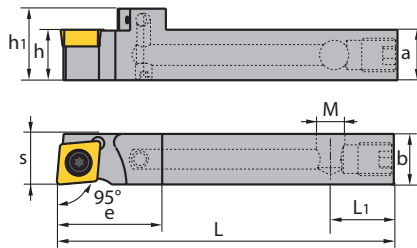
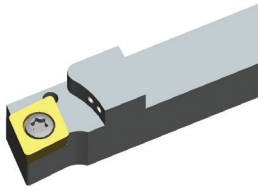
	Insert	CC**09T3**
	h	12-16
	Screw	I60M3.5x8 (2.7 Nm)
	Wrench	WT15IP

Insert

Finishing	Medium Cut	Roughing	Alum Machining	Cast Iron	PCBN/PCD
A102	A106	A107	A108	A107	A154

CC** holder S-Clamping

SCLCR/L-SC Kr: 95°



Article	*	Stock		Dimensions [mm]									kg	Inserts	
		R	L	a	b	L	h	h ₁	s	L ₁	e	M			
SCLCR/L1010F06-S		●	●	10	10	80	10		10		10		0.06	CC**0602**	
SCLCR/L1212F09-SC	*	●	●	12	12	80	12	17	12	15	25	M8X1	0.07	CC**09T3**	

● Ex stock ○ On demand

* With internal cooling

Spare parts

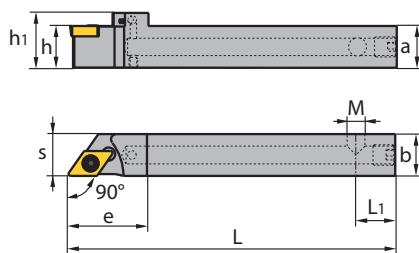
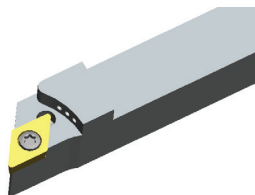
	Insert	CC**0602**	CC**09T3**
	h	10	12
	Screw	I60M2.5×6.5 (1.0 Nm)	I60M3.5×8 (2.7 Nm)
	Wrench	WT07IP	WT15IP

Insert

					
Finishing	Medium Cut	Roughing	Alum Machining	Cast Iron	PCBN/PCD
A102	A106	A107	A108	A107	A154

DC** holder S-Clamping

SDACR/L-SC Kr: 90°



Article	*	Stock		Dimensions [mm]									kg	Inserts
		R	L	a	b	L	h	h ₁	s	L ₁	e	M		
SDACR/L1212M07-SC	*	●	●	12	12	150	12	17	12	15	25	M8X1	0.15	DC**0702**
SDACR/L1616K11-SC	*	●	●	16	16	125	16	21	16	15	30	M8X1	0.21	DC**11T3**
SDACR/L1212M11-SC	*	●	●	12	12	150	12	17	12	15	30	M8X1	0.14	DC**11T3**

● Ex stock ○ On demand

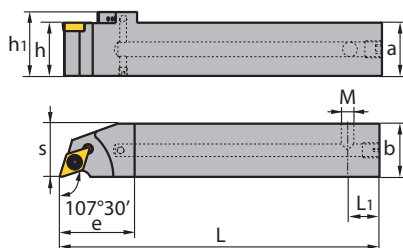
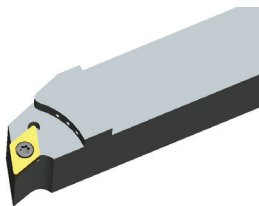
* With internal cooling

Spare parts			
	Insert	DC**0702**	DC**11T3**
	h	12	12-16
	Screw	I60M2.5×6.5 (1.0 Nm)	I60M3.5×8 (2.7 Nm)
	Wrench	WT07IP	WT15IP

Insert					
Finishing	Medium Cut	Roughing	Alum Machining	Cast Iron	PCBN/PCD
A112	A114	A115	A115	A115	A155

DC** holder S-Clamping

SDHCR/L-SC Kr: 107°30'



Article	*	Stock	Dimensions [mm]									kg	Inserts
			a	b	L	h	h ₁	s	L ₁	e	M		
SDHCR/L2020K11-SC	*	○	20	20	125	20	25	20	15	30	M8X1	0.35	DC**11T3**
SDHCR/L2525M11-SC	*	●	25	25	150	25	30	25	15	35	M8X1	0.66	DC**11T3**

● Ex stock ○ On demand

* With internal cooling

Spare parts

Insert		DC**11T3**
h		20-25
	Screw	I60M3.5x8 (2.7 Nm)
	Wrench	WT15IP

Insert

Finishing	Medium Cut	Roughing	Alum Machining	Cast Iron	PCBN/PCD
A112	A114	A115	A115	A115	A155

A

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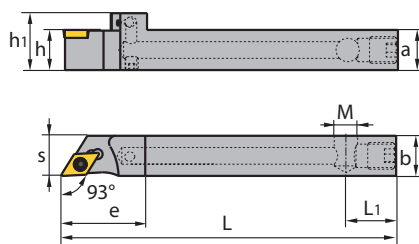
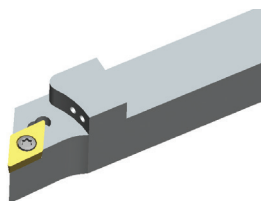
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DC** holder S-Clamping

SDJCR/L-SC Kr: 93°



Article	*	Stock		Dimensions [mm]									kg	Inserts
		R	L	a	b	L	h	h ₁	s	L ₁	e	M		
SDJCR/L1212H07-SC	*	●	●	12	12	100	12	17	12	15	25	M8X1	0.1	DC**0702**
SDJCR/L1212H11-SC	*	●	●	12	12	100	12	17	12	15	30	M8X1	0.1	DC**11T3**
SDJCR/L1616K11-SC	*	●	●	16	16	125	16	21	16	15	30	M8X1	0.21	DC**11T3**

● Ex stock ○ On demand

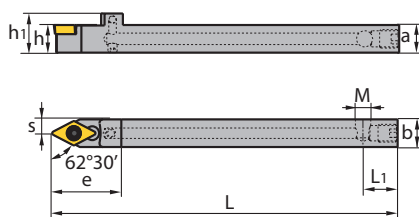
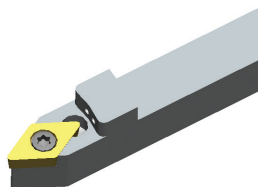
* With internal cooling

Spare parts			
	Insert	DC**0702**	DC**11T3**
	h	12	12-16
	Screw	I60M2.5×6.5 (1.0 Nm)	I60M3.5×8 (2.7 Nm)
	Wrench	WT07IP	WT15IP

Insert					
Finishing	Medium Cut	Roughing	Alum Machining	Cast Iron	PCBN/PCD
A112	A114	A115	A115	A115	A155

DC** holder S-Clamping

SDNCN-SC Kr: 62°30'



Article	*	Stock	Dimensions [mm]									kg	Inserts
			a	b	L	h	h ₁	s	L ₁	e	M		
SDNCN1212M11-SC	*	●	12	12	150	12	17	6	15	30	M8X1	0.14	DC**11T3**

● Ex stock ○ On demand

* With internal cooling

Spare parts

	Insert	DC**11T3**
	h	12
	Screw	I60M3,5x8 (2.7 Nm)
	Wrench	WT15IP

Insert

Finishing	Medium Cut	Roughing	Alum Machining	Cast Iron	PCBN/PCD
A112	A114	A115	A115	A115	A155

A

Turning

B

Milling

C

Drilling

D

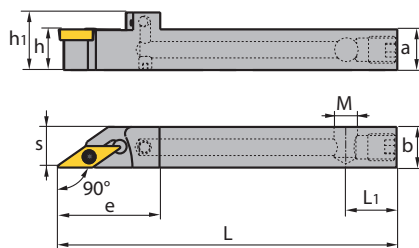
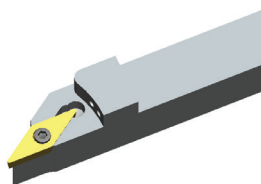
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VC** holder S-Clamping

SVACR/L-SC Kr: 90°



Article	*	Stock		Dimensions [mm]									kg	Inserts
		R	L	a	b	L	h	h ₁	s	L ₁	e	M		
SVACR/L1212H11-SC	*	●	●	12	12	100	12	17	12	15	30	M8X1	0.1	VC**1103**

● Ex stock ○ On demand

* With internal cooling

Spare parts

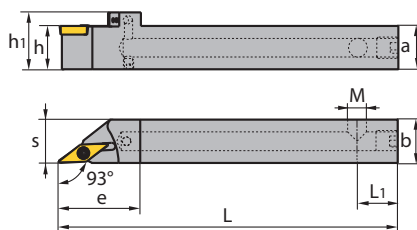
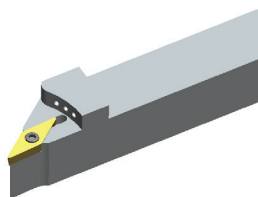
Insert		VC**1103**
h		12
	Screw	I60M2.5×6.5 (1.0 Nm)
	Wrench	WT07IP

Insert

Finishing	Alum Machining
A135	A136

VC** holder S-Clamping

SVJCR/L-SC Kr: 93°



Article	*	Stock		Dimensions [mm]									kg	Inserts	
		R	L	a	b	L	h	h ₁	s	L ₁	e	M			
SVJCR/L0808H11-S		●	●	8	8	100	8		8		22		0.044	VC**1103**	
SVJCR/L1212H11-SC	*	●	●	12	12	100	12	17	12	15	30	M8X1	0.095	VC**1103**	
SVJCR/L1616K11-SC	*	●	●	16	16	125	16	21	16	15	30	M8X1	0.2	VC**1103**	

● Ex stock ○ On demand

* With internal cooling

Spare parts		
	Insert	VC**1103**
	h	8-16
	Screw	I60M2.5×6.5 (1.0 Nm)
	Wrench	WT07IP

Insert	
	
Finishing A135	Alum Machining A136

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