
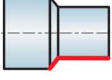

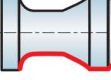
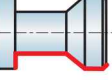
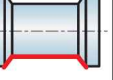














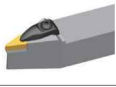











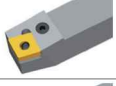

























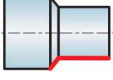

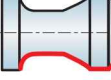
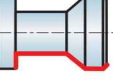
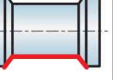






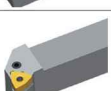






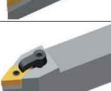

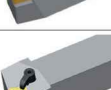


External turning tool holders

Tool holder	Application					Workpiece		Page
	External machining	Facing	Profiling	Profiling	Profiling	Stable	Unstable	
A Turning DCLNR/L 95° 								A230
B Milling DDJNR/L 93° 								A231
D DSBNR/L 75° 								A232
D DTGNR/L 91° 								A233
D DVVNN 72.5° 								A234
C Drilling DVJNR/L 93° 								A235
D DWLNR/L 95° 								A236
P PCBNR/L 75° 								A237
D PCLNR/L 95° 								A238
P PDJNR/L 93° 								A240
P PDNNR/L 63° 								A241
P PSBNR/L 75° 								A242
E PSDNN 45° 								A244
E Index PSKNR/L 75° 								A245

 Recommended

External turning tool holders

Tool holder	Application					Workpiece		Page	
	External machining	Facing	Profiling	Profiling	Profiling	Stable	Unstable		
									
P	PSSNR/L 45° 	<input type="checkbox"/>	<input type="checkbox"/>				<input checked="" type="checkbox"/>	<input type="checkbox"/>	A246
	PTFNR/L 91° 		<input type="checkbox"/>				<input checked="" type="checkbox"/>	<input type="checkbox"/>	A247
	PTTNR/L 60° 	<input type="checkbox"/>					<input checked="" type="checkbox"/>	<input type="checkbox"/>	A248
	PTGNR/L 90° 	<input type="checkbox"/>					<input checked="" type="checkbox"/>	<input type="checkbox"/>	A249
	PWLNRL/L 95° 	<input type="checkbox"/>	<input type="checkbox"/>				<input checked="" type="checkbox"/>	<input type="checkbox"/>	A251
	PLANR/L 90° 	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	A316
	PLFNR/L 90° 	<input type="checkbox"/>					<input checked="" type="checkbox"/>	<input type="checkbox"/>	A317
	PCLNR/L 95° 	<input type="checkbox"/>	<input type="checkbox"/>				<input checked="" type="checkbox"/>	<input type="checkbox"/>	A318
M	MCBNR/L 75° 	<input type="checkbox"/>					<input checked="" type="checkbox"/>	<input type="checkbox"/>	A252
	MCLNR/L 95° 	<input type="checkbox"/>	<input type="checkbox"/>				<input checked="" type="checkbox"/>	<input type="checkbox"/>	A253
	MDJNR/L 93° 			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	A254
	MDPNN 62.5° 					<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	A255
	MSBNR/L 75° 	<input type="checkbox"/>					<input checked="" type="checkbox"/>	<input type="checkbox"/>	A256
	MSRNR/L 75° 	<input type="checkbox"/>					<input checked="" type="checkbox"/>	<input type="checkbox"/>	A257

 Recommended

A

Turning

B

Milling

C

Drilling


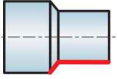

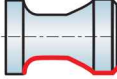
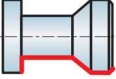
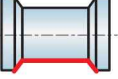









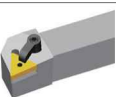


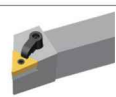



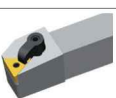










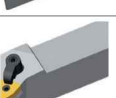






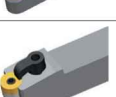


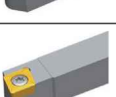



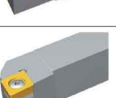




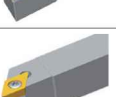



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External turning tool holders

Tool holder	Application					Workpiece		Page
	External machining	Facing	Profiling	Profiling	Profiling	Stable	Unstable	
M MSKNR/L 75° 								A258
MSDNN 45° 								A259
MTGNR/L 90° 								A260
MTJNR/L 93° 								A261
MTJNR/L-Z 93° 								A262
MTFNR/L 91° 								A263
MVVNN 72,5° 								A264
MVJNR/L 93° 								A265
MWLNRL 95° 								A266
MRGNR/L - 								A268
MRDNN - 								A267
S SCACR/L 90° 								A269
SCLCR/L 95° 								A270
SDACR/L 90° 								A271

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A

Turning

B

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C

Drilling

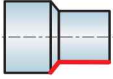

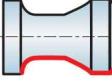
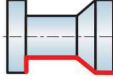
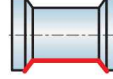





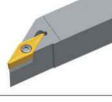
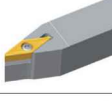
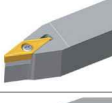
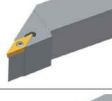
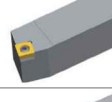
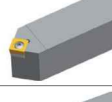
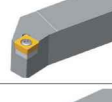
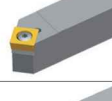
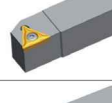
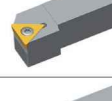
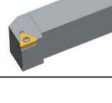
D

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External turning tool holders

Tool holder	Application					Workpiece		Page
	External machining	Facing	Profiling	Profiling	Profiling	Stable	Unstable	
								
SDJCR/L 93° 	●			●		●	●	A272
SDNCN 63° 					●	●	●	A273
SVJBR/L 93° 	●			●		●	●	A274
SVABR/L 90° 	●			●		●	●	A275
SVVBN 72,5° 					●	●	●	A276
SVVCN 72,5° 					●	●	●	A277
SVJCR/L 93° 	●			●		●	●	A278
SSBCR/L 75° 	●					●		A279
SSDCN 45° 					●	●		A280
SSKCR/L 75° 		●				●		A281
SSSCR/L 45° 	●					●		A282
STACR/L 90° 	●					●	●	A283
STFCR/L 91° 		●				●		A284
STGCR/L 91° 	●					●	●	A285

● Recommended

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External turning tool holders

Tool holder	Application					Workpiece		Page
	External machining	Facing	Profiling	Profiling	Profiling	Stable	Unstable	
A Turning STTCR/L 60°								A286
B Milling SWACR/L 90°								A287
SRDCN -								A288
SRGCR/L -								A289
S SCACR/L-SC 90°								A306
SCLCR/L-SC 95°								A307
SDACR/L-SC 90°								A308
SDHCR/L-SC 107°30'								A309
SDJCR/L-SC 93°								A310
SDNCN-SC 62°30'								A311
SVACR/L-SC 90°								A312
SVJCR/L-SC 93°								A313
C CKJNR/L 93°								A290
CKNNR/L 63°								A291

Recommended

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	Lever lock clamping		C	
M	Wedge/pin lock clamping		D	
S	Screw-on clamping		R	
C/J	Wedge clamping		S	
D	Duel wedge clamping		T	
			V	
			W	

1

2

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

3

4

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Cutting direction	
	R
	L
	N

5

Shank height h [mm]	
	h
Code	h
12	12
16	16
20	20
25	25
32	32
40	40
50	50

6

Shank width b [mm]	
	b
Code	b
12	12
16	16
20	20
25	25
32	32
40	40
50	50

7

Holder length L [mm]	
	L
Code	L
H	100
K	125
M	150
P	170
Q	180
R	200
S	250
T	300

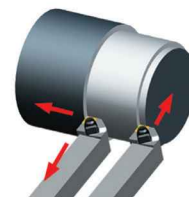
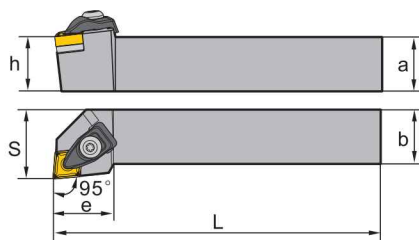
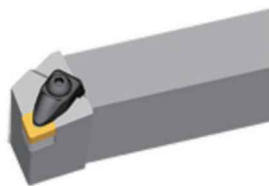
8


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

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)		CM5×22C (4.0 Nm)	CM6×25C (7.0 Nm)
 Screw (shim)		SM5×8.65XA1	SM6×10XA1
 Shim		C09BM	C12BM
 Spring		SPR6	SPR4
 Wrench (shim)		WH30L	WH40L
 Wrench (clamp)		WH30L	WH40L

Insert

					
Wiper	Finishing	Medium Cut	Roughing	Cast Iron	PCBN/PCD
A51	A52	A53	A57	A61	A177

System code > A228

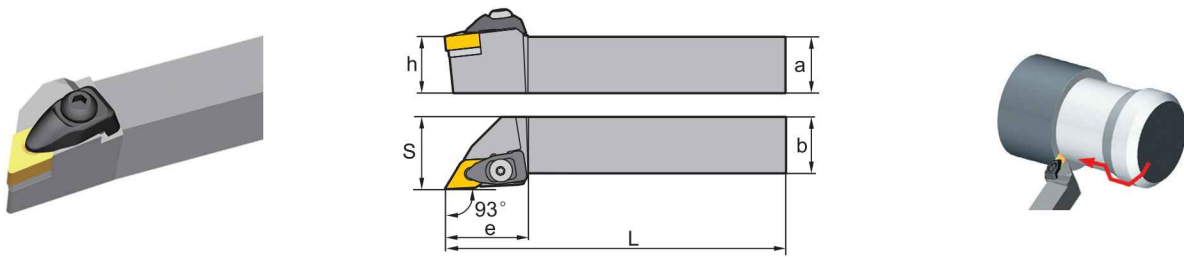
Grade selection > A42

Technical info > A501

Cutting data > A366

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

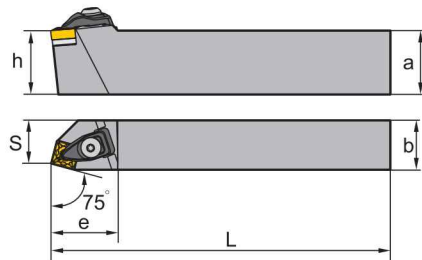
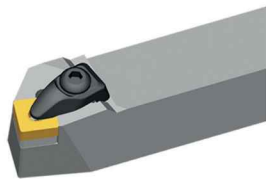
* With internal cooling


Spare parts			
	Insert	DN**1104**	DN**1506**
		h	h
	Clamp	C1RA	C2RA
	Screw (clamp)	CM5×22C (4.0 Nm)	CM6×25C (7.0 Nm)
	Screw (shim)	SM5×8.65XA1	SM6×10XA1
	Shim	D11BM	D15BM
	Spring	SPR6	SPR4
	Wrench (shim)	WH30L	WH40L
	Wrench (clamp)	WH30L	WH40L

Insert					
Wiper	Finishing	Medium Cut	Roughing	Cast Iron	PCBN/PCD
A62	A63	A63	A68	A69	A178

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)	CM5×22C (4.0 Nm)	CM6×25C (7.0 Nm)	CM6×25C (7.0 Nm)
	Screw (shim)	SM5×8.65XA1	SM6×10XA1	SM6×10XA2
	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
A73	A73	A78	A84	A162

System code > A228

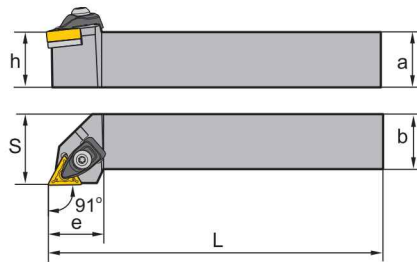
Grade selection > A42


Technical info > A501

Cutting data > A366

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 h	TN**1604** 16-25
	Clamp	C1RA
	Screw (clamp)	CM5×22C (4.0 Nm)
	Screw (shim)	SM5×8.65XA1
	Shim	T16BM
	Spring	SPR6
	Wrench (shim)	WH30L
	Wrench (clamp)	WH30L

Insert

					
Wiper A87	Finishing A88	Medium Cut A90	Roughing A92	Cast Iron A99	PCBN/PCD A163

System code > A228

Grade selection > A42

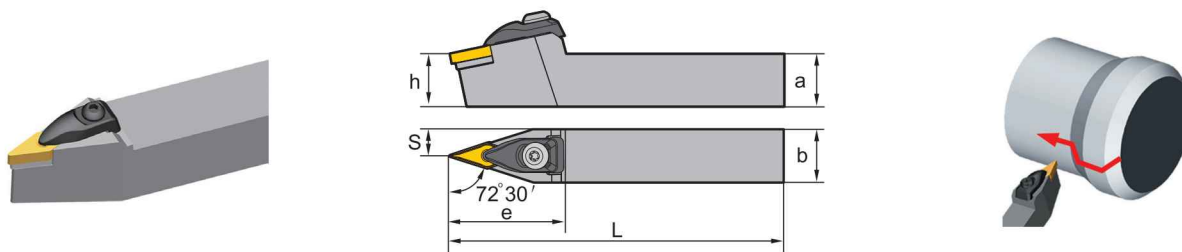
Technical info > A501

Cutting data > A366

A

VN** holder (external) D-Clamping

DVVNN Kr: 72°30'



Turning

B

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**	

Milling

- Ex stock ○ On demand
- * With internal cooling

C

Spare parts		
	Insert	VN**1604**
	h	20-25
	Clamp	C6RA
	Screw (clamp)	CM5×22C (4.0 Nm)
	Screw (shim)	SM5×8.65XA1
	Shim	V16BM
	Spring	SPR6
	Wrench (shim)	WH30L
	Wrench (clamp)	WH30L

Drilling

D

Insert				
Finishing	Medium Cut	Roughing	Cast Iron	PCBN/PCD
A102	A102	A104	A103	A179

Technical Information

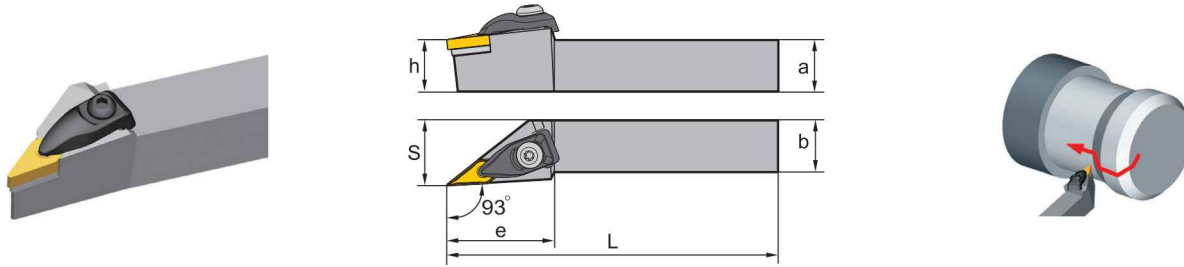
E


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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 h	VN**1604** 20-25
	Clamp	C6RA
	Screw (clamp)	CM5×22C (4.0 Nm)
	Screw (shim)	SM5×8.65XA1
	Shim	V16BM
	Spring	SPR6
	Wrench (clamp)	WH30L
	Wrench (shim)	WH30L

Insert

				
Finishing A102	Medium Cut A102	Roughing A104	Cast Iron A103	PCBN/PCD A179

System code > A228

Grade selection > A42

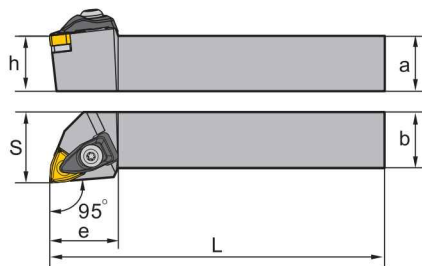
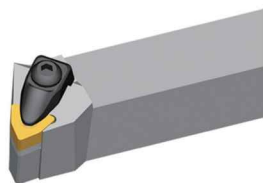
Technical info > A501

Cutting data > A366

A

WN** holder (external) D-Clamping

DWLNRL/L Kr: 95°



Turning

B

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

Milling

C

● Ex stock ○ On demand

* With internal cooling

Drilling

Spare parts			
	Insert	WN**0604**	WN**0804**
	h	16-25	20-32
	Clamp	C1RA	C2RA
	Screw (clamp)	CM5×22C (4.0 Nm)	CM6×25C (7.0 Nm)
	Screw (shim)	SM5×8.65XA1	SM6×10XA1
	Shim	W06BM	W08BM
	Spring	SPR6	SPR4
	Wrench (shim)	WH30L	WH40L
	Wrench (clamp)	WH30L	WH40L

D

Technical Information

Insert					
Wiper	Finishing	Medium Cut	Roughing	Cast Iron	PCBN/PCD
A106	A107	A107	A109	A111	A165

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System code > A228

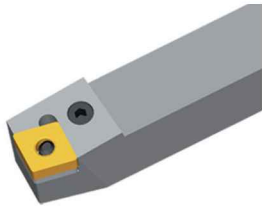
Grade selection > A42

Technical info > A501

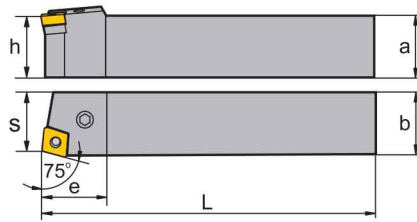
Cutting data > A366

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

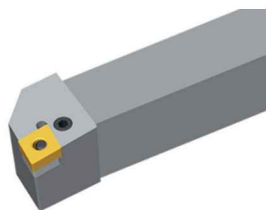
* With internal cooling

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

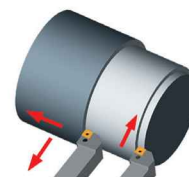
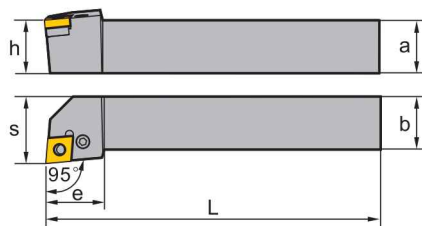
Insert					
Wiper	Finishing	Medium Cut	Roughing	Cast Iron	PCBN/PCD
A51	A52	A53	A57	A61	A177

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	CN**0903**
PCLNR/L2020K09	●	●		20	20	125	20	25	22	CN**0903**
PCLNR/L2525M09	○	●		25	25	150	25	32	22	CN**0903**
PCLNR/L1616H12	○	○		16	16	100	16	20	20	CN**1204**
PCLNR/L2020K12	●	●		20	20	125	20	25	28	CN**1204**
PCLNR/L2525M12	●	●		25	25	150	25	32	28	CN**1204**
PCLNR/L3232P12	●	●		32	32	170	32	40	28	CN**1204**
PCLNR/L2525M16	●	●		25	25	150	25	32	33	CN**1606**
PCLNR/L3232P16	●	●		32	32	170	32	40	33	CN**1606**
PCLNR/L3232P19	●	●		32	32	170	32	40	38	CN**1906**
PCLNR/L4040S19	●	●		40	40	250	40	50	38	CN**1906**
PCLNR/L4040S2507	●	●		40	40	250	40	50	49	CN**2507**
PCLNR/L4040S2509	●	●		40	40	250	40	50	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	16-32	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

CN holder (external)**

Insert					
					
Wiper	Finishing	Medium Cut	Roughing	Cast Iron	PCBN/PCD
A51	A52	A53	A57	A61	A177

A

Turning

B

Milling

C

Drilling

D

Technical Information

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System code > A228

Grade selection > A42

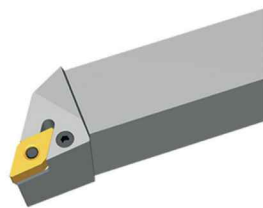
Technical info > A501

Cutting data > A366

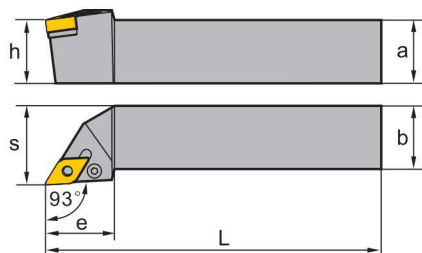


DN** holder (external) P-Clamping

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		DN**1104**	DN**1504**	DN**1506**
Insert		16-32	20-32	20-32
h				
	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
A62	A63	A63	A68	A69	A178

System code > A228

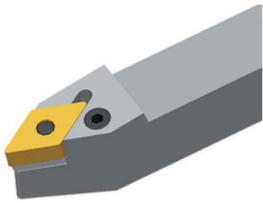
Grade selection > A42

Technical info > A501

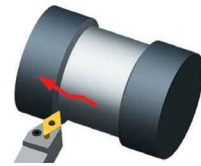
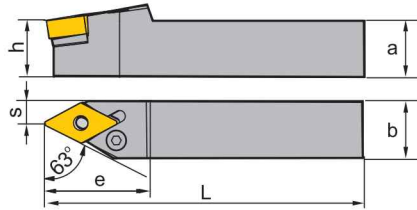
Cutting data > A366


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**
	hh	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
A62	A63	A63	A68	A69	A178

System code > A228

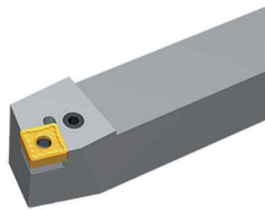
Grade selection > A42

Technical info > A501

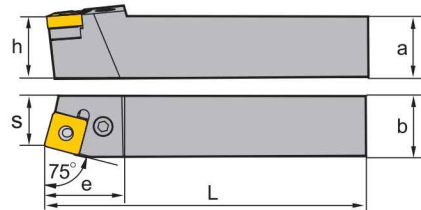
Cutting data > A366

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
	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

SN holder (external)**

Insert				
				
Finishing	Medium Cut	Roughing	Cast Iron	PCBN/PCD
A73	A73	A78	A84	A162

A

Turning

B

Milling

C

Drilling

D

Technical Information

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System code > A228

Grade selection > A42

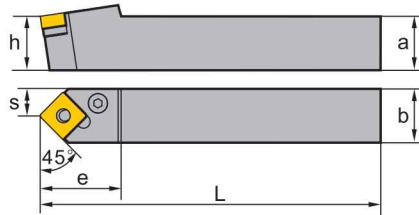
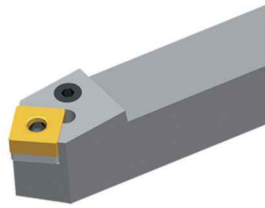
Technical info > A501

Cutting data > A366



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	S12AP	S15AP	S19AP
	Shim pin (shim)		SP10	SP10	SP5	SP6
	Wrench		WH25L	WH25L	WH30L	WH40L
	Wrench	WT09IP				

Insert				
Finishing	Medium Cut	Roughing	Cast Iron	PCBN/PCD
A73	A73	A78	A84	A162

System code > A228

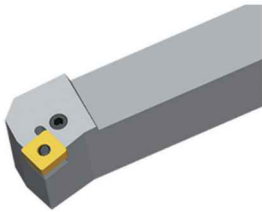
Grade selection > A42

Technical info > A501

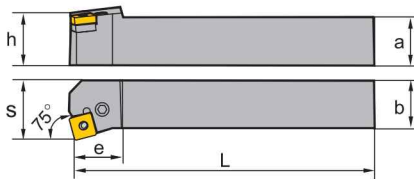
Cutting data > A366


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		SN**0903**	SN**1204**	SN**1506**	SN**1906**
		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
A73	A73	A78	A84	A162

System code > A228

Grade selection > A42

Technical info > A501

Cutting data > A366



A

Turning

B

Milling

C

Drilling

D

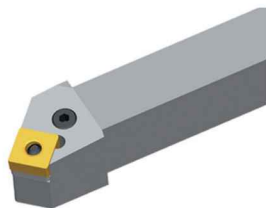
Technical Information

E

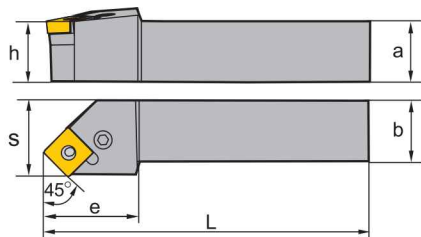
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SN** holder (external) P-Clamping

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
A73	A73	A78	A84	A162

System code > A228

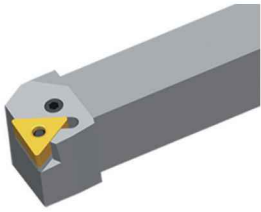
Grade selection > A42

Technical info > A501

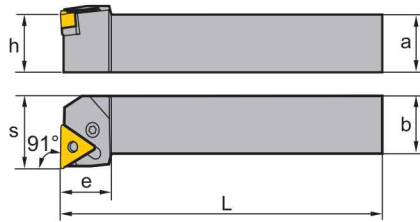
Cutting data > A366

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		TN**1604**	TN**2204**	TN**2706**
Insert		16-25	25-32	32-40
h				
	Knee lever	L3	L4	L5
	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	WH25L	WH30L	WH30L

Insert						
Wiper A87	Finishing A88	Medium Cut A90	Roughing A92	Heavy Turning A97	Cast Iron A99	PCBN/PCD A163

A

Turning

B

Milling

C

Drilling

D

Technical Information

E

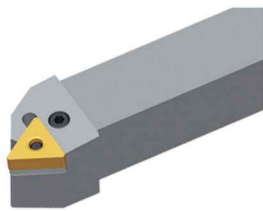
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A

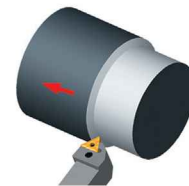
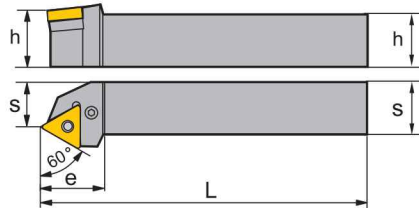
Turning

TN** holder (external) P-Clamping

PTTNR/L Kr: 60°



Right hand style



B

Milling

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

C

Drilling

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

D

Technical Information

Insert						
Wiper	Finishing	Medium Cut	Roughing	Heavy Turning	Cast Iron	PCBN/PCD
A87	A88	A90	A92	A97	A99	A163

E

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System code > A228

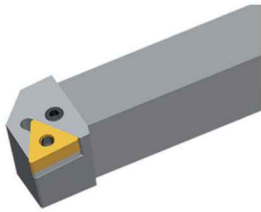
Grade selection > A42

Technical info > A501

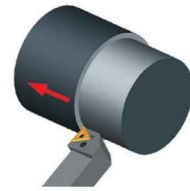
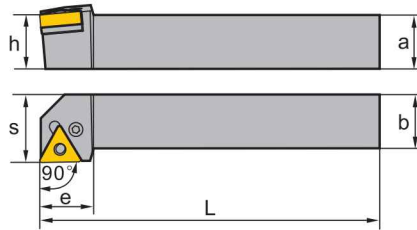
Cutting data > A366

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**	TN**1604**	TN**2204**	TN**2706**
		10-25	16-32	25-32	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			WH25L	WH30L	WH30L
Wrench		WT09IP			

A

Turning

TN** holder (external)

Insert						
						
Wiper	Finishing	Medium Cut	Roughing	Heavy Turning	Cast Iron	PCBN/PCD
A87	A88	A90	A92	A97	A99	A163

B

Milling

C

Drilling

D

Technical Information

E

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System code > A228

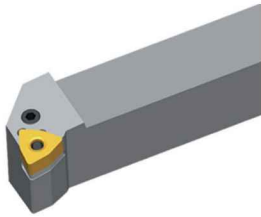
Grade selection > A42

Technical info > A501

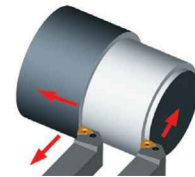
Cutting data > A366

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	WN**0604**	
PWLNR/L2020K06	●	●	20	20	125	20	25	20	WN**0604**	
PWLNR/L2525M06	●	●	25	25	150	25	32	20	WN**0604**	
PWLNR/L2020K08	●	●	20	20	125	20	25	26	WN**0804**	
PWLNR/L2525M08	●	●	25	25	150	25	32	26	WN**0804**	

● Ex stock ○ On demand

* With internal cooling

Spare parts

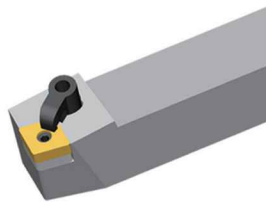
	Insert h	WN**0604**	WN**0804**
		16-25	20-25
Knee lever		L3	L4
Screw			LEM8x21 (10.2 Nm)
Screw		LEM6x13.4A (7.0 Nm)	
Shim		W06AP	W08AP
Shim pin (shim)		SP3	SP4
Wrench		WH25L	WH30L

Insert

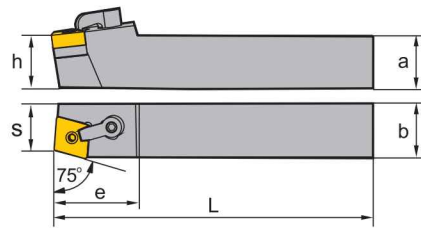
Wiper	Finishing	Medium Cut	Roughing	Cast Iron	PCBN/PCD
A106	A107	A107	A109	A111	A165

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		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
A51	A52	A53	A57	A61	A177

System code > A228

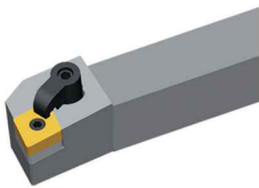
Grade selection > A42

Technical info > A501

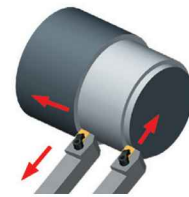
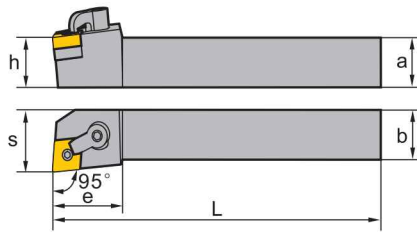
Cutting data > A366

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**
MCLNR/L4040S25	○	○		40	40	250	40	50	38	CN**2509**

● Ex stock ○ On demand

* With internal cooling

Spare parts						
	Insert	CN**1204**	CN**1204**	CN**1606**	CN**1906**	CN**2509**
	h	20	25-32	25-32	32-40	40
	Clamp	C1RD	C1RD	C2RD	C5RD	C6RD
	Dowel pin	TM6×17	TM6×17	TM8×21	TM10×21	TM12×29 (25.2 Nm)
	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	C12BM	C12BM	C16BM	C19BM	
	Shim					C25BM-09
	Wrench (clamp)	WH30L	WH30L	WH30L	WH40L	WH50L
	Wrench (dowel pin)	WH30L	WH30L	WH30L	WH40L	WH40L

Insert					
Wiper	Finishing	Medium Cut	Roughing	Cast Iron	PCBN/PCD
A51	A52	A53	A57	A61	A177

System code > A228

Grade selection > A42

Technical info > A501

Cutting data > A366



A

Turning

B

Milling

C

Drilling

D

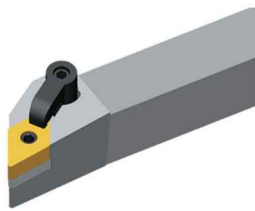
Technical Information

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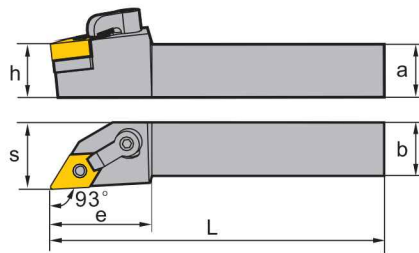
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DN** holder (external) M-Clamping

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		DN**1104**		DN**1506**	
	Insert h	20	25-32	20	25-32
	Clamp	C1RD	C1RD	C2RD	C2RD
	Dowel pin	TM5×13	TM5×13	TM6×19	TM6×19
	Screw (clamp)	DM6×25 (7.0 Nm)	DM6×30 (7.0 Nm)	DM6×25 (7.0 Nm)	DM6×30 (7.0 Nm)
	Shim	D11BM	D11BM	D15BM	D15BM
	Wrench (clamp)	WH30L	WH30L	WH30L	WH30L
	Wrench (dowel pin)	WH20L	WH20L	WH30L	WH30L

Insert					
Wiper A62	Finishing A63	Medium Cut A63	Roughing A68	Cast Iron A69	PCBN/PCD A178

System code > A228

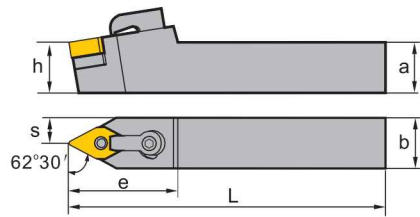
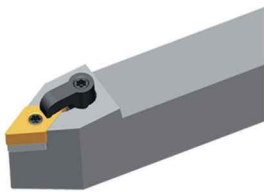
Grade selection > A42

Technical info > A501

Cutting data > A366

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**
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

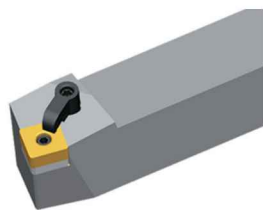
* With internal cooling

Spare parts		DN**1104**	DN**1104**	DN**1506**	DN**1506**
Insert		20	25-32	20	25-32
h		20	25-32	20	25-32
	Clamp	C1RD	C1RD	C2RD	C2RD
	Dowel pin	TM5×13	TM5×13	TM6×19	TM6×19
	Screw (clamp)	DM6×25 (7.0 Nm)	DM6×30 (7.0 Nm)	DM6×25 (7.0 Nm)	DM6×30 (7.0 Nm)
	Shim	D11BM	D11BM	D15BM	D15BM
	Wrench (clamp)	WH30L	WH30L	WH30L	WH30L
	Wrench (dowel pin)	WH20L	WH20L	WH30L	WH30L

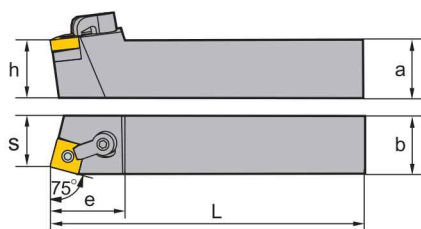
Insert					
Wiper	Finishing	Medium Cut	Roughing	Cast Iron	PCBN/PCD
A62	A63	A63	A68	A69	A178

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
A73	A73	A78	A84	A162

System code > A228

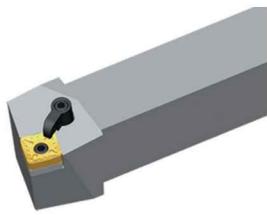
Grade selection > A42

Technical info > A501

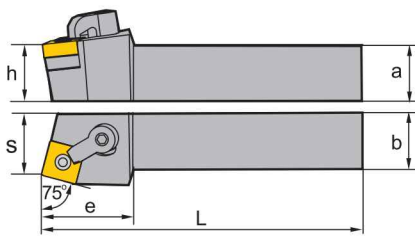
Cutting data > A366


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	SN**1204**
MSRNR/L2525M12	●	●		25	25	150	25	27	36	SN**1204**
MSRNR/L3225P12		○		32	25	170	32	27	36	SN**1204**
MSRNR/L2525M15	●	○		25	25	150	25	27	40	SN**1506**
MSRNR/L3232P15	●	●		32	32	170	32	35	40	SN**1506**
MSRNR/L4032R15		○		40	32	200	40	35	40	SN**1506**
MSRNR/L3232P19		○	○	32	32	170	32	35	45	SN**1906**
MSRNR/L4040R19		○		40	40	200	40	43	45	SN**1906**
MSRNR/L4040R2509		○	○	40	40	200	40	43	50	SN**2509**
MSRNR/L4040S2509		○	○	40	40	250	40	43	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
A73	A73	A78	A84	A162

System code > A228

Grade selection > A42

Technical info > A501

Cutting data > A366



A

Turning

B

Milling

C

Drilling

D

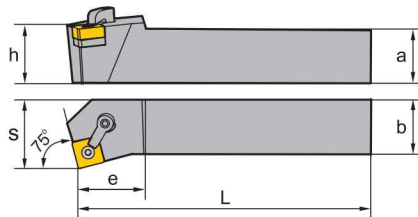
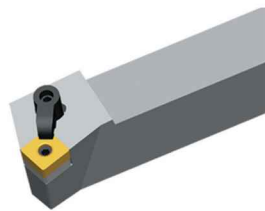
Technical Information

E

Index

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	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)	WH30L	WH30L	WH30L	WH40L	WH50L

Insert

Finishing	Medium Cut	Roughing	Cast Iron	PCBN/PCD
A73	A73	A78	A84	A162

System code > A228

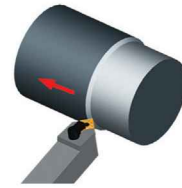
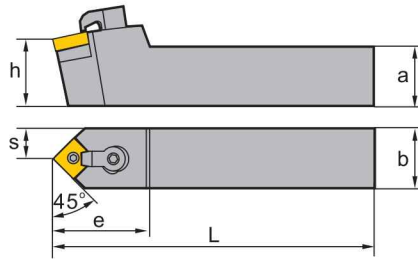
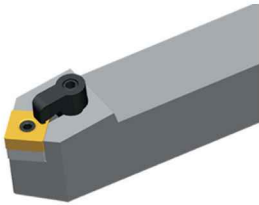
Grade selection > A42

Technical info > A501

Cutting data > A366

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
A73	A73	A78	A84	A162

A

Turning

B

Milling

C

Drilling

D

Technical Information

E

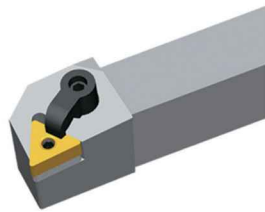
Index

A

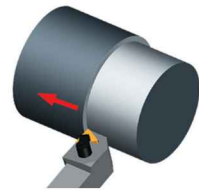
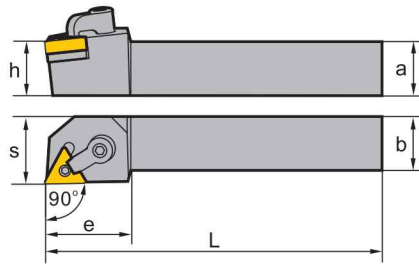
Turning

TN** holder (external) **M-Clamping**

MTGNR/L Kr: 90°



Right hand style



B

Milling

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

C

Drilling

Spare parts		TN**1604**		TN**2204**	
	Insert 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	

D

Technical Information

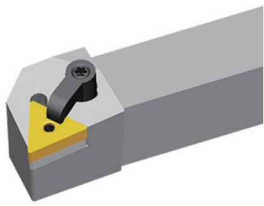
Insert						
Wiper	Finishing	Medium Cut	Roughing	Heavy Turning	Cast Iron	PCBN/PCD
A87	A88	A90	A92	A97	A99	A163

E

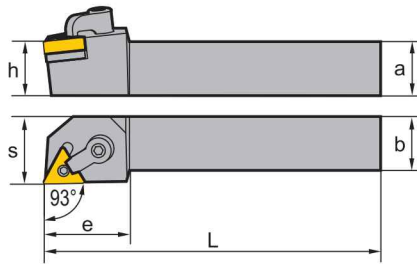
Index

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

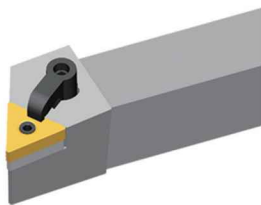
	Insert h	TN**1604** 20	TN**1604** 25-32	TN**2204** 25-32
Clamp		C1RD	C1RD	C2RD
Dowel pin		TM5×13	TM5×13	TM6×17
Screw (clamp)		DM6×25 (7.0 Nm)	DM6×30 (7.0 Nm)	DM6×30 (7.0 Nm)
Shim		T16BM	T16BM	T22BM
Wrench (clamp)		WH30L	WH30L	WH30L
Wrench (dowel pin)		WH20L	WH20L	WH30L

Insert

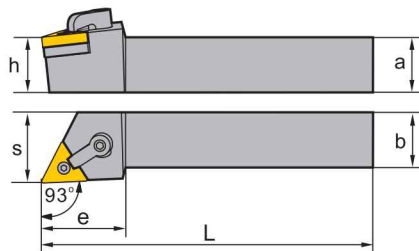
Wiper A87	Finishing A88	Medium Cut A90	Roughing A92	Heavy Turning A97	Cast Iron A99	PCBN/PCD A163

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

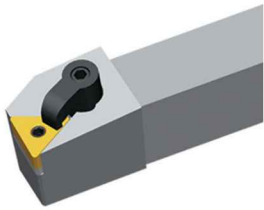
* With internal cooling

Spare parts				
	Insert h	TN**1604** 20	TN**1604** 25-32	TN**2204** 25-32
	Clamp	C1RD	C1RD	C2RD
	Dowel pin	TM5×13	TM5×13	TM6×17
	Screw (clamp)	DM6×25 (7.0 Nm)	DM6×30 (7.0 Nm)	DM6×30 (7.0 Nm)
	Shim	T16BM	T16BM	T22BM
	Wrench (clamp)	WH30L	WH30L	WH30L
	Wrench (dowel pin)	WH20L	WH20L	WH30L

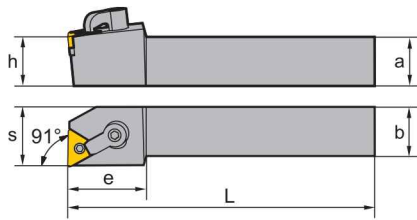
Insert						
Wiper A87	Finishing A88	Medium Cut A90	Roughing A92	Heavy Turning A97	Cast Iron A99	PCBN/PCD A163

TN holder (external)** **M-Clamping**

MTFNRL Kr: 91°



Right hand style



Article	*	Stock		Dimensions [mm]						Inserts
		R	L	a	b	L	h	s	e	
MTFNRL2020K16	● ○	20	20	125	20	25	32	TN**1604**		
MTFNRL2525M16	● ●	25	25	150	25	32	32	TN**1604**		
MTFNRL3225P16	● ○	32	25	170	32	32	32	TN**1604**		
MTFNRL2525M22	● ○	25	25	150	25	32	36	TN**2204**		
MTFNRL3225P22	● ○	32	25	170	32	32	36	TN**2204**		

● Ex stock ○ On demand

* With internal cooling

Spare parts

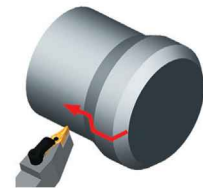
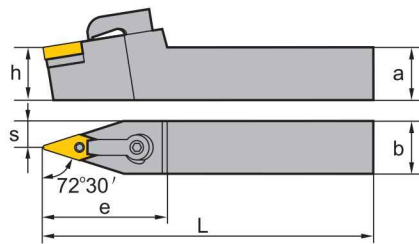
	Insert h	TN**1604** 20	TN**1604** 25-32	TN**2204** 25-32
Clamp		C1RD	C1RD	C2RD
Dowel pin		TM5×13	TM5×13	TM6×17
Screw (clamp)		DM6×25 (7.0 Nm)	DM6×30 (7.0 Nm)	DM6×30 (7.0 Nm)
Shim		T16BM	T16BM	T22BM
Wrench (clamp)		WH30L	WH30L	WH30L
Wrench (dowel pin)		WH20L	WH20L	WH30L

Insert

Wiper A87	Finishing A88	Medium Cut A90	Roughing A92	Heavy Turning A97	Cast Iron A99	PCBN/PCD A163

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	TM5×13	TM5×13
	Screw (clamp)	DM6×25 (7.0 Nm)	DM6×30 (7.0 Nm)
	Shim	V16BM	V16BM
	Wrench (clamp)	WH30L	WH30L
	Wrench (dowel pin)	WH20L	WH20L

Insert				
Finishing	Medium Cut	Roughing	Cast Iron	PCBN/PCD
A102	A102	A104	A103	A179

System code > A228

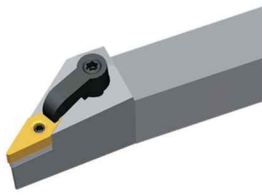
Grade selection > A42

Technical info > A501

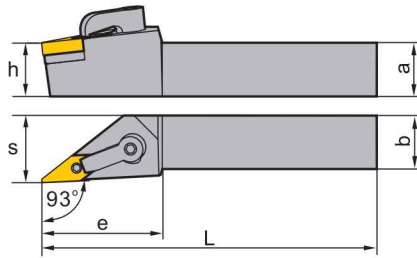
Cutting data > A366

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**	
		h	20
	Clamp	C3RD	C3RD
	Dowel pin	TM5×13	TM5×13
	Screw (clamp)	DM6×25 (7.0 Nm)	DM6×30 (7.0 Nm)
	Shim	V16BM	V16BM
	Wrench (clamp)	WH30L	WH30L
	Wrench (dowel pin)	WH20L	WH20L

Insert

Finishing A102	Medium Cut A102	Roughing A104	Cast Iron A103	PCBN/PCD A179

System code > A228

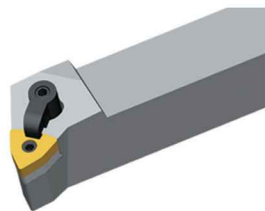
Grade selection > A42

Technical info > A501

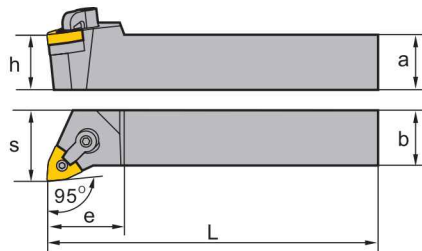
Cutting data > A366

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**
	○			25	25	170	25	32	35	WN**0804**
MWLNLR/L3232P08	●	●		32	32	170	32	40	35	WN**0804**

● Ex stock ○ On demand

* With internal cooling

Spare parts		WN**0604**		WN**0804**	
	Insert h	20	25	20	25-32
	Clamp	C1RD	C1RD	C1RD	C1RD
	Dowel pin	TM5×13	TM5×13	TM6×17	TM6×17
	Screw (clamp)	DM6×25 (7.0 Nm)	DM6×30 (7.0 Nm)	DM6×25 (7.0 Nm)	DM6×30 (7.0 Nm)
	Shim	W06BM	W06BM	W08BM	W08BM
	Wrench (clamp)	WH30L	WH30L	WH30L	WH30L
	Wrench (dowel pin)	WH20L	WH20L	WH30L	WH30L

Insert					
Wiper A106	Finishing A107	Medium Cut A107	Roughing A109	Cast Iron A111	PCBN/PCD A165

System code > A228

Grade selection > A42

Technical info > A501

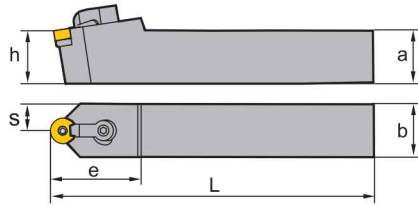
Cutting data > A366

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

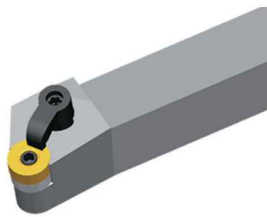


Cast Iron

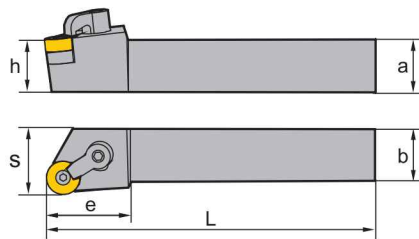
A112


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

A112

System code > A228

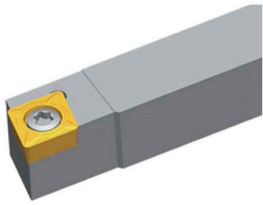
Grade selection > A42

Technical info > A501

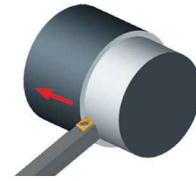
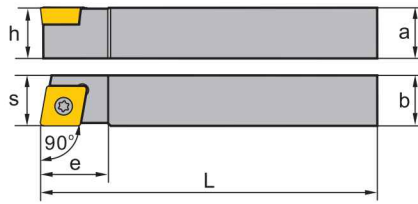
Cutting data > A366


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
A116	A119	A121	A122	A121	A180

System code > A228

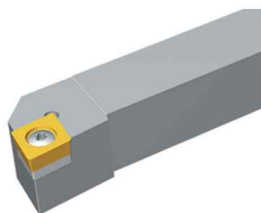
Grade selection > A42

Technical info > A501

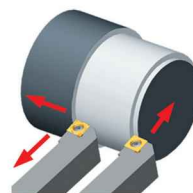
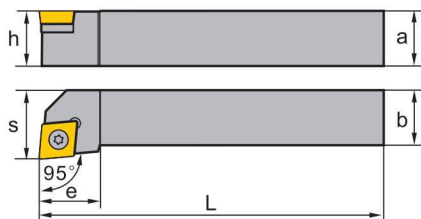
Cutting data > A366


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	CC**0602**	
SCLCR/L1010E06	●	●	10	10	70	10	12	10	10	CC**0602**	
SCLCR/L1212F09	●	●	12	12	80	12	16	16	16	CC**09T3**	
SCLCR/L1616H09	●	●	16	16	100	16	20	16	16	CC**09T3**	
SCLCR/L2020K09	●	●	20	20	125	20	25	25	25	CC**09T3**	
SCLCR/L1616H12	●	●	16	16	100	16	20	18	18	CC**1204**	
SCLCR/L2020K12	●	●	20	20	125	20	25	25	25	CC**1204**	
SCLCR/L2525M12	●	●	25	25	150	25	32	26	26	CC**1204**	
SCLCR/L3225P12	○	○	32	25	170	32	32	26	26	CC**1204**	
SCLCR/L3232P12	●	●	32	32	170	32	40	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	I60M2.5×6.5 (1.0 Nm)	I60M3.5×8 (2.7 Nm)	
	Screw			I60M4×11X (3.4 Nm)
	Screw (shim)			SM6×10XA
	Shim			C12BS
	Wrench (screw)	WT07IP	WT15IP	WT15IP
	Wrench (shim)			WH40L

Insert

					
Finishing	Medium Cut	Roughing	Alum Machining	Cast Iron	PCBN/PCD
A116	A119	A121	A122	A121	A180

System code > A228

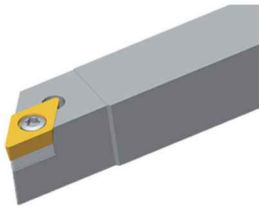
Grade selection > A42

Technical info > A501

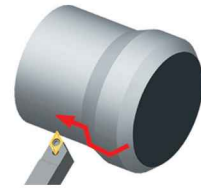
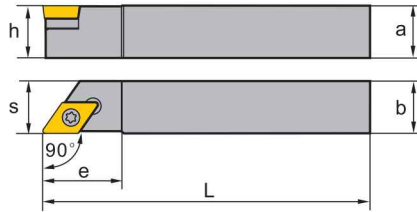
Cutting data > A366


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
A126	A127	A129	A129	A129	A184

System code > A228

Grade selection > A42

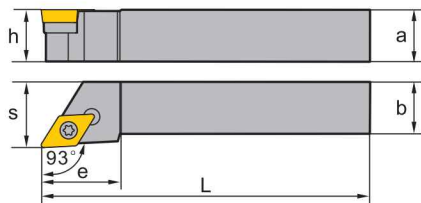
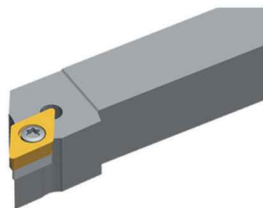
Technical info > A501

Cutting data > A366




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 A126	Medium Cut A127	Roughing A129	Alum Machining A129	Cast Iron A129	PCBN/PCD A184

System code > A228

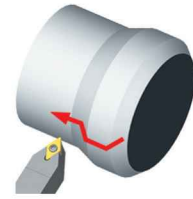
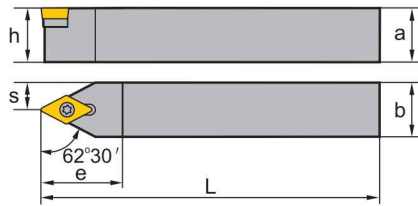
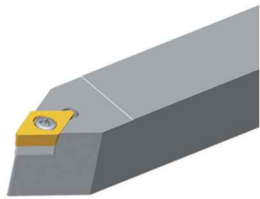
Grade selection > A42

Technical info > A501

Cutting data > A366

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

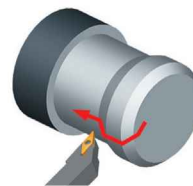
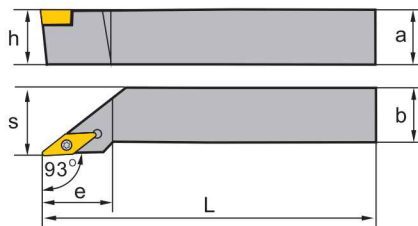
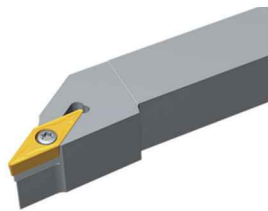
* With internal cooling

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
A126	A127	A129	A129	A129	A184

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**1103**
SVJBR/L1616H11		●	●	16	16	100	16	20	27	VB**1103**
SVJBR/L2525M11		●	●	25	25	150	25	32	27	VB**1103**
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**1103**	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
A148	A151	A152	A191

System code > A228

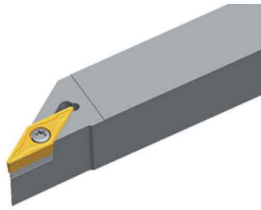
Grade selection > A42

Technical info > A501

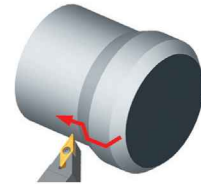
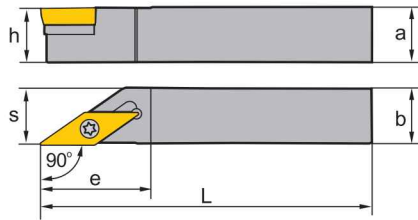
Cutting data > A366


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	10.5	28	VB**1103**	
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**1103**	VB**1604**
	h	10	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
			
A148	A151	A152	A191

System code > A228

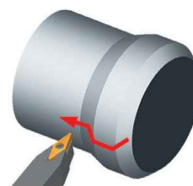
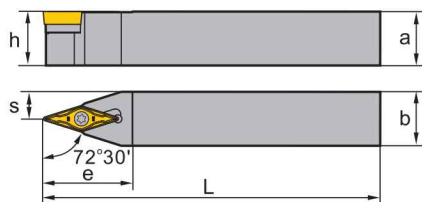
Grade selection > A42

Technical info > A501

Cutting data > A366

VB** holder (external) S-Clamping

SVVBN Kr: 72°30'



Article	* Stock	Dimensions [mm]							Inserts
		a	b	L	h	s	e		
SVVBN1616H11	●	16	16	100	16	8	27	VB**1103**	
SVVBN2020K11	●	20	20	125	20	10	30	VB**1103**	
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**1103**	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
A148	A151	A152	A191

System code > A228

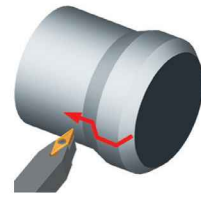
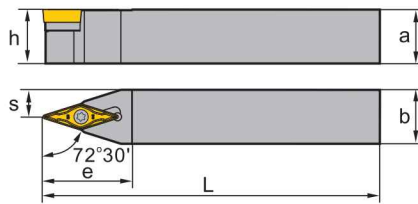
Grade selection > A42

Technical info > A501

Cutting data > A366

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**
		12-25	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
A156	A156	A154	A193

A

Turning

B

Milling

C

Drilling

D

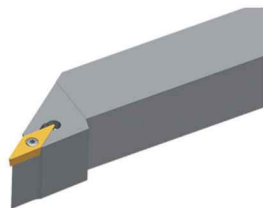
Technical Information

E

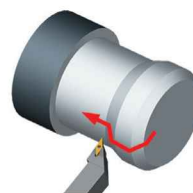
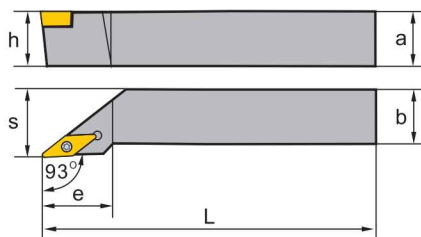
Index

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**
		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
A156	A156	A154	A193

System code > A228

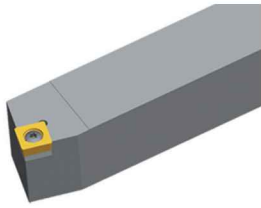
Grade selection > A42

Technical info > A501

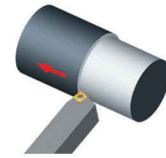
Cutting data > A366


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 A134	Medium Cut A135	Roughing A136	Alum Machining A136

System code > A228

Grade selection > A42

Technical info > A501

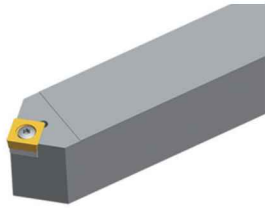
Cutting data > A366

A

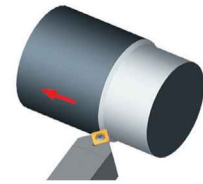
Turning

SC** steel boring bar S-Clamping

SSDCN Kr: 45°



Right hand style



B

Milling

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

C

Drilling

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

D

Technical Information

Insert			
Finishing	Medium Cut	Roughing	Alum Machining
A134	A135	A136	A136

E

Index

System code > A228

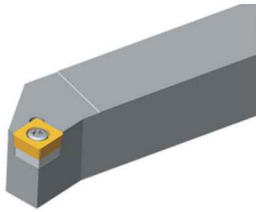
Grade selection > A42

Technical info > A501

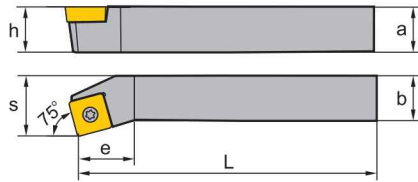
Cutting data > A366


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
A134	A135	A136	A136

System code > A228

Grade selection > A42

Technical info > A501

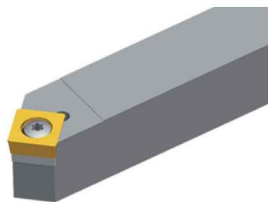
Cutting data > A366

A

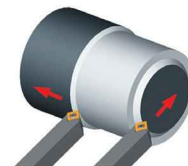
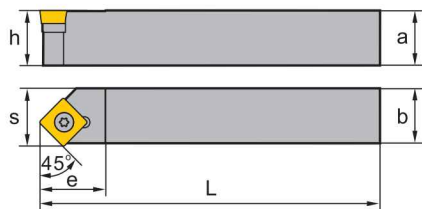
Turning

SC** steel boring bar S-Clamping

SSSCR/L Kr: 45°



Right hand style



B

Milling

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

C

Drilling

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

D

Technical Information

Insert			
Finishing	Medium Cut	Roughing	Alum Machining
A134	A135	A136	A136

E

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System code > A228

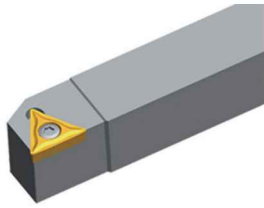
Grade selection > A42

Technical info > A501

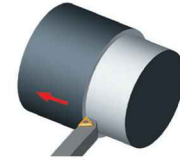
Cutting data > A366


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)	WT071P

Insert

				
Finishing A141	Medium Cut A142	Roughing A143	Alum Machining A145	PCBN/PCD A187

A

Turning

B

Milling

C

Drilling

D

Technical Information

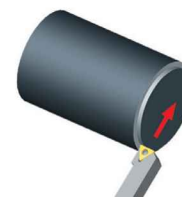
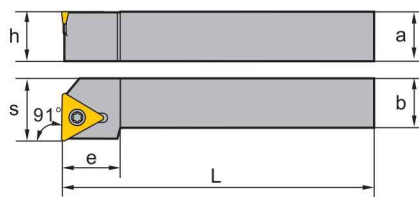
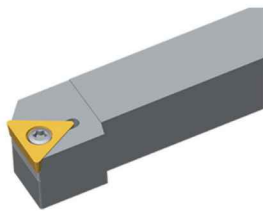
E

Index

A

TC** holder (external) **S-Clamping**

STFCR/L Kr: 91°



Right hand style

Turning

B

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

Milling

C

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

Drilling

D

Insert

Finishing	Medium Cut	Roughing	Alum Machining	Cast Iron	PCBN/PCD
A141	A142	A143	A145	A143	A187

Technical Information

E

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System code > A228

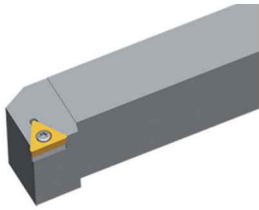
Grade selection > A42

Technical info > A501

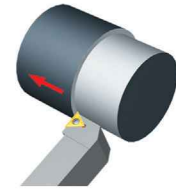
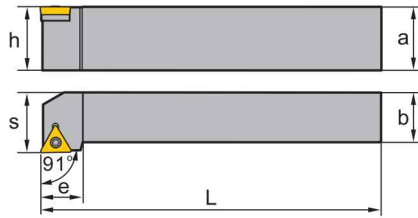
Cutting data > A366

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		TC**0902**	TC**1102**	TC**16T3**
Insert 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 A141	Medium Cut A142	Roughing A143	Alum Machining A145	Cast Iron A143	PCBN/PCD A187

A

Turning

B

Milling

C

Drilling

D

Technical Information

E

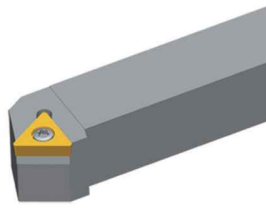
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A

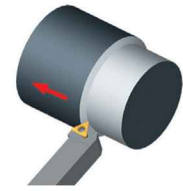
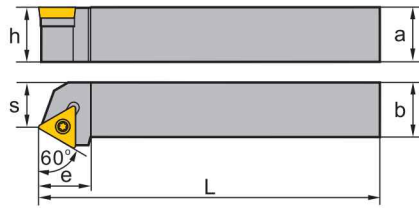
Turning

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
A141	A142	A143	A145	A143	A187

E

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System code > A228

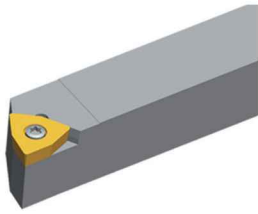
Grade selection > A42

Technical info > A501

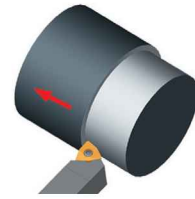
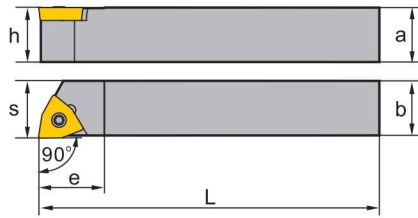
Cutting data > A366

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

C35

A

Turning

B

Milling

C

Drilling

D

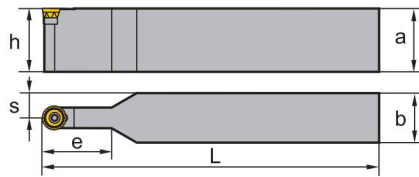
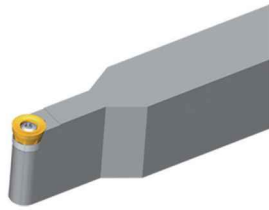
Technical Information



E

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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
A132	A132

System code > A228

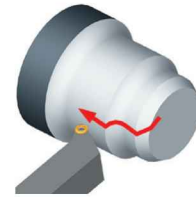
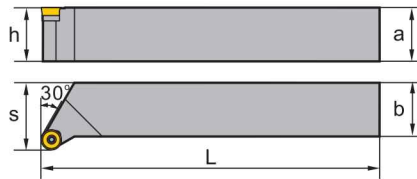
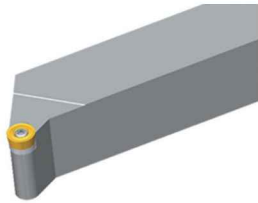
Grade selection > A42

Technical info > A501



Cutting data > A366

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 A132	Cast Iron A132
	

System code > A228

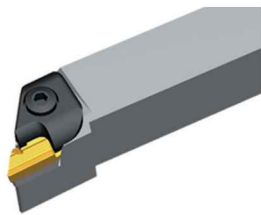
Grade selection > A42

Technical info > A501

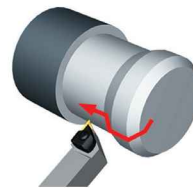
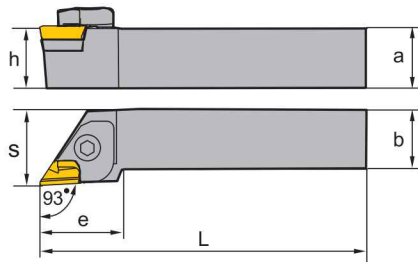
Cutting data > A366

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

A113

System code > A228

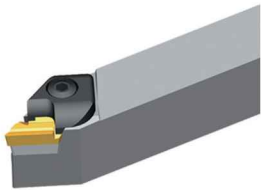
Grade selection > A42

Technical info > A501

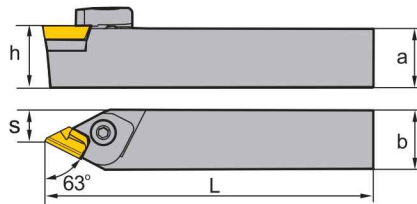
Cutting data > A366

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

A113

System code > A228

Grade selection > A42

Technical info > A501

Cutting data > A366