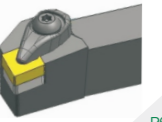
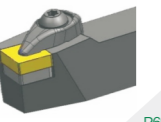
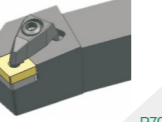
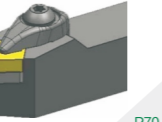
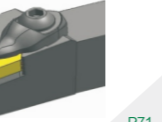

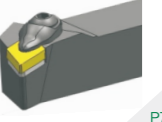
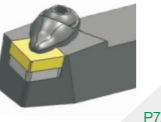




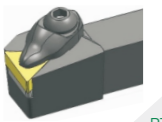
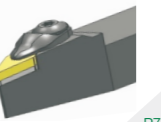
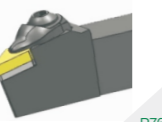
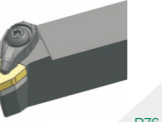


# External Turning Tools List

## Wedge Clamping

DCLNR/L	DCBNR/L	DCKNR/L	DCMNN	DDJNR/L	DDPNN
 P69	 P69	 P70	 P70	 P71	 P71

DDQNR/L	DSBNR/L	DSDNN	DSSNR/L	DSKNR/L	DTGNR/L
 P72	 P72	 P73	 P73	 P74	 P74

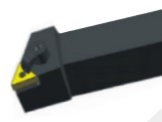





DTFNR/L	DVVNN	DVJNR/L	DWLR/L
 P75	 P75	 P76	 P76

# External Turning Tools List

## Top and Hole Clamping

MCLNR/L	MCBNR/L	MCKNR/L	MDJNR/L	MDQNR/L	MSBNR/L
 P77	 P77	 P78	 P78	 P79	 P80







MSRNR/L	MSKNR/L	MSDNN	MSSNR/L	MTGNR/L	MTJNR/L
 P80	 P81	 P81	 P82	 P82	 P83







MTJNR/L(B)	MTFNR/L	MTQNR/L	MTENN	MVJNR/L	MVVNN
 P83	 P84	 P84	 P85	 P85	 P86

MVUNR/L	MVQNR/L	MWLR/L	MRGNR/L	MRDNN
 P86	 P87	 P87	 P88	 P88

# External Turning Tools List

## Hole Clamping

PCBNR/L	PCLNR/L	PDJNR/L	PDNNR/L	PSBNR/L	PSDNN
 P89	 P89	 P90	 P90	 P91	 P91






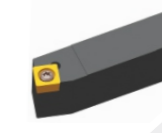
PSKNR/L	PSSNR/L	PRDCN	PRGCR/L	PTGNR/L	PTFNR/L
 P92	 P92	 P93	 P93	 P94	 P95


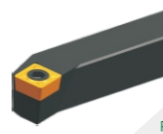
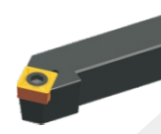
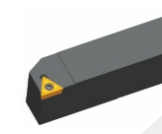


PTTNR/L	PWLNRL/L
 P95	 P96

# External Turning Tools List

## Screw On

SCACR/L	SCLCR/L	SDACR/L	SDJCR/L	SDNCN	SVJCR/L
 P97	 P97	 P98	 P98	 P99	 P99

SVJBR/L	SVABR/L	SVACR/L	SVVBN	SVVCN	SSBCR/L
 P100	 P100	 P101	 P101	 P102	 P102

SSDCN	SSKCR/L	SSSCR/L	STACR/L	STFCR/L	STGCR/L
 P103	 P103	 P104	 P104	 P105	 P105

STTCR/L	SWACR/L	SRDCN	SRGCR/L	SRACR/L
 P106	 P106	 P107	 P107	 P108

# Internal Turning Tools List

## Top and Hole Clamping

MCKNR/L	MCLNR/L	MDQNR/L	MDUNR/L	MDZNR/L	MSKNR/L
 P111	 P111	 P112	 P112	 P113	 P113

MVQNR/L	MVUNR/L	MVWNR/L	MVXNR/L	MWLNR/L	MTFNR/L
 P114	 P114	 P115	 P115	 P116	 P116

MTQNR/L	MTJNR/L	MTUNR/L	MTWNR/L
 P117	 P117	 P118	 P118

## Hole Clamping

PCLNR/L	PDSNR/L	PDUNR/L	PSKNR/L	PTFNR/L	PWLNR/L
 P119	 P119	 P120	 P120	 P121	 P121

# Internal Turning Tools List

## Screw On

SCLCR/L	SCLCR/L-H	SCKCR/L	SDQCR/L	SDXCR/L	SDWCR/L
 P122	 P122	 P123	 P123	 P124	 P124

SDUCR/L	SDZCR/L	SSKCR/L	SSSCR/L	STFCR/L	STWCR/L
 P125	 P125	 P126	 P126	 P127	 P127

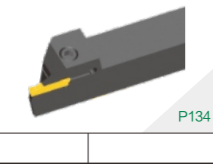
STFPR/L	STUCR/L	SVQCR/L	SVQBR/L	SVUCR/L	SVWCR/L
 P128	 P128	 P129	 P129	 P130	 P130

SVXCR/L	SVZCR/L
 P131	 P132

# External Turning Tools List

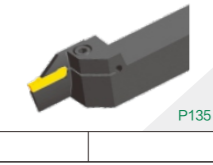
## External Parting and Grooving Tools

QEED1616R/L10

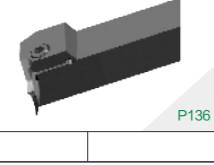


## Turning and Face Grooving Tools

QFFD2525R/L10-48H

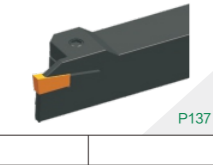


QFFD2525R/L10-48L



## ZQ Part Off Cutting Tools

ZQ1616R03



B

C

D

E

# External Turning Tools List

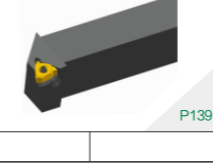
## External Parting Blade

SPB326-S



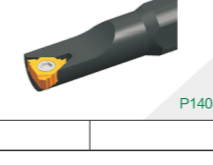
## External Threading Turning Tools

SWR/L1010H11



## Internal Threading Turning Tools

SNR/L1010K11



B

C

D

E

# External Turning Tools Naming Rule

## Clamping System

M C L N R 25 25 M 12

<b>P</b>	<b>S</b>
hole clamping	Screw on
<b>M</b>	<b>C</b>
Top and hole clamping	Top clamping
<b>D</b>	
Top clamping	

## Insert Shape

M C L N R 25 25 M 12

<b>C</b>	<b>D</b>	<b>R</b>
80°	55°	
<b>S</b>	<b>T</b>	<b>V</b>
90°	60°	35°
<b>W</b>		
80°		

## Cutting Direction

M C L N R  
25 25 M 12

<b>R</b>
<b>L</b>
<b>N</b>

## Holder Style and Leading Angle

M C L N R 25 25 M 12

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>
90°	75°	90°	45°	60°	90°
<b>H</b>	<b>G</b>	<b>J</b>	<b>K</b>	<b>L</b>	<b>M</b>
107°30'	90°	93°	75°	95°	50°
<b>N</b>	<b>O</b>	<b>P</b>	<b>Q</b>	<b>R</b>	<b>S</b>
63°	117°30'	62°30'	107°30'	75°	45°
<b>T</b>	<b>U</b>	<b>V</b>	<b>W</b>	<b>X</b>	
60°	93°	72°30'	60°	120°	

## Insert Clearance Angle

M C L N R  
25 25 M 12

<b>N</b>	0°
<b>B</b>	5°
<b>C</b>	7°
<b>P</b>	11°
<b>D</b>	15°
<b>E</b>	20°

# External Turning Tools Naming Rule

## Tools-tip Height

M C L N R 25 25 M 12

		12	16	20	25	32	40	50
HF	HF	12	16	20	25	32	40	50

Integers to be preceded by 0 eg:h=8 indicated by 08

## Shank Width

M C L N R 25 25 M 12

		12	16	20	25	32	40	50
B	B	12	16	20	25	32	40	50

Integers to be preceded by 0 eg:h=8 indicated by 08

## Tool Length

M C L N R 25 25 M 12

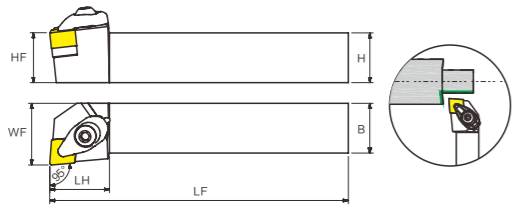
Code	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>K</b>	<b>M</b>	<b>P</b>
Length	60	70	80	90	100	125	150	170
Code	<b>Q</b>	<b>R</b>	<b>S</b>	<b>T</b>	<b>U</b>	<b>V</b>	<b>W</b>	
Length	180	200	250	300	350	400	450	

## Cutting Edge Length

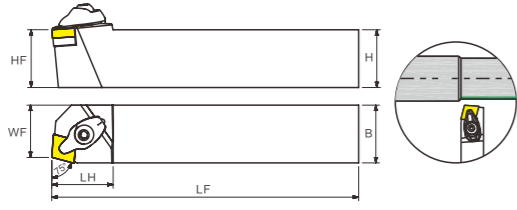
M C L N R 25 25 M 12

	<b>C</b>	<b>D</b>	<b>R</b>	<b>S</b>	<b>T</b>	<b>V</b>	<b>W</b>
Cutting Tool Shape							
Inscribed Circle	Cutting Edge Length						
5.556					09		
6.350	06	07			11		
9.525	09	11	09	09	16	16	06
12.700	12	15	12	12	22	22	08
15.875	16	19	15	15	27		
19.050	19		19	19	33		
25.400	25		25	25	44		

# D Type External Turning Tool Holder

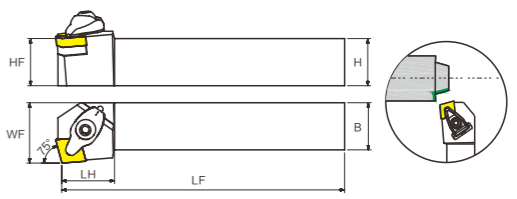


DCLNR/L	Type	Dimension						Adaptable Inserts	Shim	Wrench	Clamp	Clamping Screw	Screw
		H	B	LF	HF	WF	LH						
	DCLNR/L 2020K12	20	20	125	20	27	32						
	DCLNR/L 2525M12	25	25	150	25	32	30						
	DCLNR/L 3232P12	32	32	170	32	39	30						

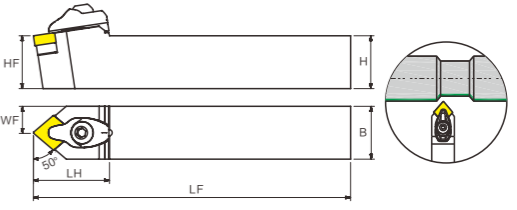


DCBNR/L	Type	Dimension						Adaptable Inserts	Shim	Wrench	Clamp	Clamping Screw	Screw
		H	B	LF	HF	WF	LH						
	DCBNR/L 2020K12	20	20	125	20	17	34						
	DCBNR/L 2525M12	25	25	150	25	22	36						
	DCBNR/L 3232P12	32	32	170	32	29	34						

# D Type External Turning Tool Holder

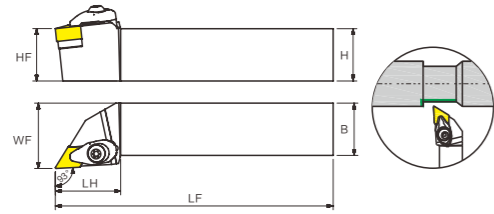


DCKNR/L	Type	Dimension						Adaptable Inserts	Shim	Wrench	Clamp	Clamping Screw	Screw
		H	B	LF	HF	WF	LH						
	DCKNR/L 2020K12	20	20	125	20	26	28						
	DCKNR/L 2525M12	25	25	150	25	32	28						
	DCKNR/L 3232P12	32	32	170	32	39	28						

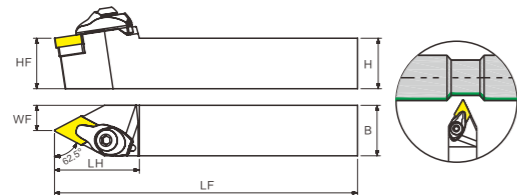


DCMNN	Type	Dimension						Adaptable Inserts	Shim	Wrench	Clamp	Clamping Screw	Screw
		H	B	LF	HF	WF	LH						
	DCMNN 2020K12	20	20	125	20	10	36						
	DCMNN 2525M12	25	25	150	25	12.5	36						
	DCMNN 3232P12	32	32	170	32	16	36						

## D Type External Turning Tool Holder

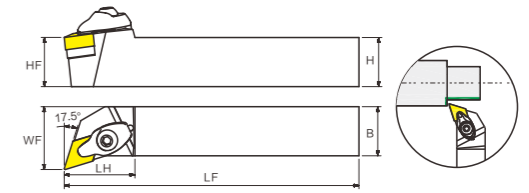


DDJNR/L	Type	Dimension						Adaptable Inserts	Shim	Wrench	Clamp	Clamping Screw	Screw	
		H	B	LF	HF	WF	LH							
	93°	DDJNR/L2020K11	20	20	125	20	25	32	DN□□1104□□	MD1103	S3	DCL2211	DM0520	DSP0510
	DDJNR/L2525M11	25	25	150	25	30	32							
	DDJNR/L2020K1504	20	20	125	20	25	40	DN□□1504□□	MD1504	S4 S3	DCL2612	DM0625	DSP0612	
	DDJNR/L2525M1504	25	25	150	25	31	40							
	DDJNR/L3232P1504	32	32	170	32	39	40	DN□□1506□□						
	DDJNR/L2020K1506	20	20	125	20	25	40							
	DDJNR/L2525M1506	25	25	150	25	31	40							
	DDJNR/L3232P1506	32	32	170	32	39	40							

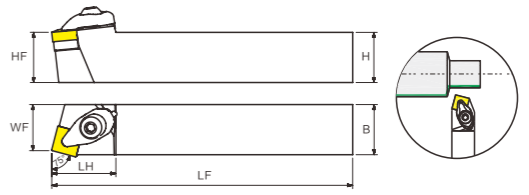


DDPNN	Type	Dimension						Adaptable Inserts	Shim	Wrench	Clamp	Clamping Screw	Screw	
		H	B	LF	HF	WF	LH							
	62.5°	DDPNN2020K11	20	20	125	20	10	32	DN□□1104□□	MD1103	S3	DCL2211	DM0520	DSP0510
	DDPNN2525M11	25	25	150	25	12.5	36							
	DDPNN2020K1504	20	20	125	20	10	36	DN□□1504□□	MD1504	S4 S3	DCL2612	DM0625	DSP0612	
	DDPNN2525M1504	25	25	150	25	12.5	36							
	DDPNN3232P1504	32	32	170	32	16	36	DN□□1506□□						
	DDPNN2020K1506	20	20	125	20	10	36							
	DDPNN2525M1506	25	25	150	25	12.5	36							
	DDPNN3232P1506	32	32	170	32	16	36							

## D Type External Turning Tool Holder

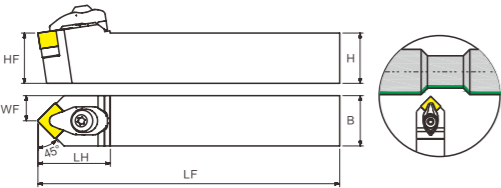


DDQNR/L	Type	Dimension						Adaptable Inserts	Shim	Wrench	Clamp	Clamping Screw	Screw	
		H	B	LF	HF	WF	LH							
	107.5°	DDQNR/L2020K11	20	20	125	20	25	28	DN□□1104□□	MD1103	S4 S3	DCL2211	DM0520	DSP0510
	DDQNR/L2525M11	25	25	150	25	31	28							
	DDQNR/L2020K1504	20	20	125	20	26	36	DN□□1504□□	MD1504	S4 S3	DCL2612	DM0625	DSP0612	
	DDQNR/L2525M1504	25	25	150	25	32	36							
	DDQNR/L3232P1504	32	32	170	32	38	36	DN□□1506□□						
	DDQNR/L2020K1506	20	20	125	20	26	36							
	DDQNR/L2525M1506	25	25	150	25	32	36							
	DDQNR/L3232P1506	32	32	170	32	38	36							

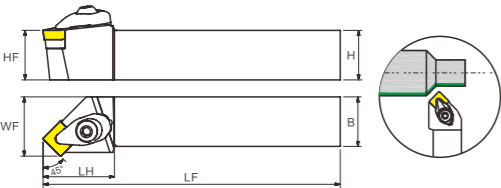


DSBNR/L	Type	Dimension						Adaptable Inserts	Shim	Wrench	Clamp	Clamping Screw	Screw	
		H	B	LF	HF	WF	LH							
	75°	DSBNR/L 2020K12	20	20	125	20	18	34	SN□□1204□□	MS1204	S3 S4	DCL2612	DM0625	DSP0612
	DSBNR/L 2525M12	25	25	150	25	23	32							
	DSBNR/L 3232P12	32	32	170	32	30	33							

# D Type External Turning Tool Holder

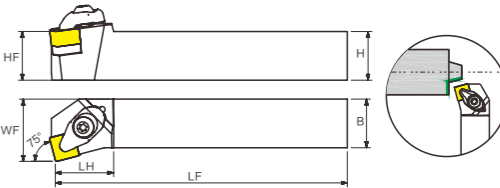


DSDNN	Type	Dimension						Adaptable Inserts	Shim	Wrench	Clamp	Clamping Screw	Screw
		H	B	LF	HF	WF	LH						
	DSDNN 2020K12	20	20	125	20	10	36	SN□□1204□□	MS1204	S3 S4	DCL2612	DM0625	DSP0612
	DSDNN 2525M12	25	25	150	25	12.5	36						
	DSDNN 3232P12	32	32	170	32	12.5	36						

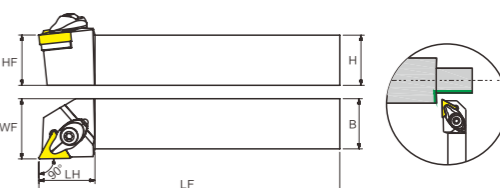


DSSNR/L	Type	Dimension						Adaptable Inserts	Shim	Wrench	Clamp	Clamping Screw	Screw
		H	B	LF	HF	WF	LH						
	DSSNR/L 2020K12	20	20	125	20	25	36	SN□□1204□□	MS1204	S3 S4	DCL2612	DM0625	DSP0612
	DSSNR/L 2525M12	25	25	150	25	30	36						
	DSSNR/L 3232P12	32	32	170	32	38	36						

# D Type External Turning Tool Holder

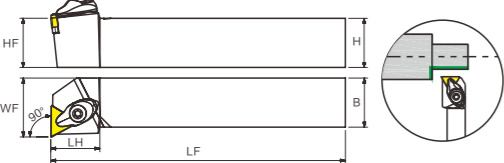


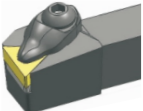






DSKNR/L	Type	Dimension						Adaptable Inserts	Shim	Wrench	Clamp	Clamping Screw	Screw
		H	B	LF	HF	WF	LH						
	DSKNR/L 2020K12	20	20	125	20	26	28	SN□□1204□□	MS1204	S3 S4	DCL2612	DM0625	DSP0612
	DSKNR/L 2525M12	25	25	150	25	36	28						
	DSKNR/L 3232P12	32	32	170	32	38	32						

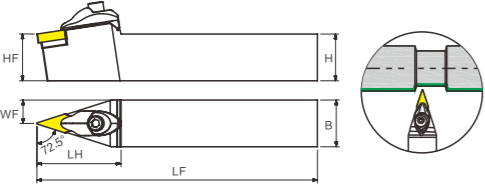


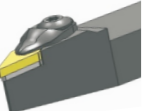






DTGNR	Type	Dimension						Adaptable Inserts	Shim	Wrench	Clamp	Clamping Screw	Screw
		H	B	LF	HF	WF	LH						
	DTGNR 2020K16	20	20	125	20	24	28	TN□□1604□□	MT1603	S3	DCL2211	DM0520	DSP0510
	DTGNR 2525M16	25	25	150	25	30	28						
	DTGNR 3225P16	32	25	170	32	30	28						
	DTGNR 3232P16	32	32	170	32	38	32						

# D Type External Turning Tool Holder

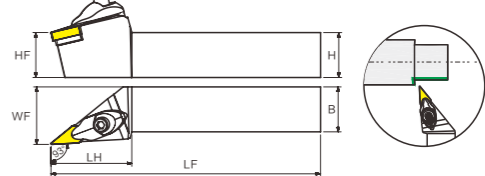


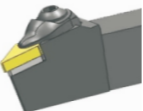






DTFNR/L	Type	Dimension						Adaptable Inserts	Shim	Wrench	Clamp	Clamping Screw	Screw
		H	B	LF	HF	WF	LH						
	DTFNR/L 2020K16	20	20	125	20	25	28						
	DTFNR/L 2525M16	25	25	150	25	30	26						
	DTFNR/L 3225P16	32	25	170	32	30	26						
	DTFNR/L 3232P16	32	32	170	32	38	26						

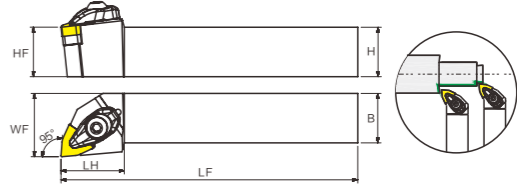















DVVNN	Type	Dimension						Adaptable Inserts	Shim	Wrench	Clamp	Clamping Screw	Screw
		H	B	LF	HF	WF	LH						
	DVVNN2020K16	20	20	125	20	10	45						
	DVVNN2525M16	25	25	150	25	12.5	45						
	DVVNN3225P16	32	25	170	32	12.5	45						
	DVVNN3232P16	32	32	170	32	16	45						

# D Type External Turning Tool Holder

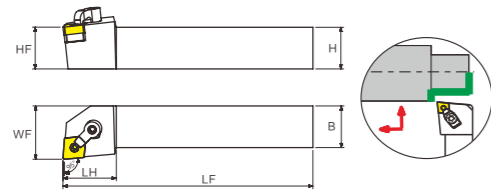


DVJNR/L	Type	Dimension						Adaptable Inserts	Shim	Wrench	Clamp	Clamping Screw	Screw
		H	B	LF	HF	WF	LH						
	DVJNR/L 2020K16	20	20	125	20	26	45						
	DVJNR/L 2525M16	25	25	150	25	32	45						
	DVJNR/L 3225P16	32	25	170	32	32	45						
	DVJNR/L 3232P16	32	32	170	32	40	45						

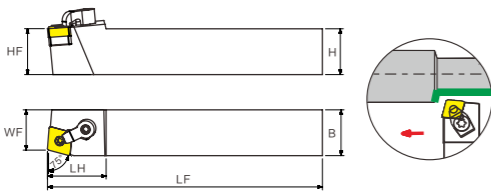


DWLNR/L	Type	Dimension						Adaptable Inserts	Shim	Wrench	Clamp	Clamping Screw	Screw						
		H	B	LF	HF	WF	LH												
	DWLNR/L 2020K08	20	20	125	20	25	32												
	DWLNR/L 2525M08	25	25	150	25	32	31												
	DWLNR/L 3225P08	32	25	170	32	32	31												
	DWLNR/L 3232P08	32	32	170	32	39	31												
	DWLNR/L 2020K06	20	20	125	20	25	25												
	DWLNR/L 2525M06	25	25	150	25	30	25												

# M Type External Turning Tool Holder

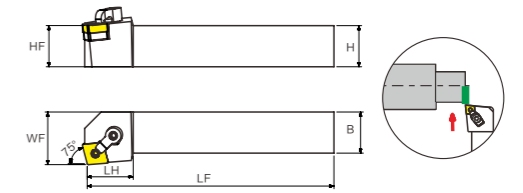


MCLNR/L	Type	Dimension						Adaptable Inserts	Clamping Screw	Shim	Wrench	Clamp	Screw
		H	B	LF	HF	WF	LH						
95°	MCLNR/L1616H12	16	16	100	16	21	30	CN□□1204□□	WS061025	MC1204	S3	MCL1814	MSP617
	MCLNR/L2020K12	20	20	125	20	25	28						
	MCLNR/L2525M12	25	25	150	25	32	32						
	MCLNR/L3225P12	32	25	170	32	32	32	WS081030	MC1604	S3	MCL2114	MSP821	
	MCLNR/L3232P12	32	32	170	32	39	32						
	MCLNR/L2525M16	25	25	150	25	32	38	CN□□1606□□	WS061030	MC1604	S3	MCL2114	MSP821
	MCLNR/L3225P16	32	25	170	32	33	38						
	MCLNR/L3232P16	32	32	170	32	40	38						
	MCLNR/L3232P19	32	32	170	32	40	43	CN□□1906□□	WS081030	MC1904	S4	MCL2217	MSP1021
	MCLNR/L4040R19	40	40	200	40	50	43						

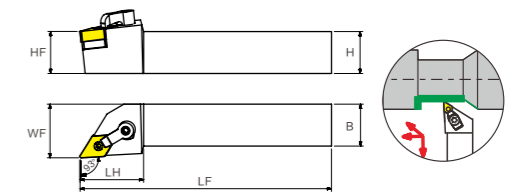


MCBNR/L	Type	Dimension						Adaptable Inserts	Clamping Screw	Shim	Wrench	Clamp	Screw
		H	B	LF	HF	WF	LH						
75°	MCBNR/L2020K12	20	20	125	20	17	32	CN□□1204□□	WS061025	MC1204	S3	MCL1814	MSP617
	MCBNR/L2525M12	25	25	150	25	22	32						
	MCBNR/L3225P12	32	25	170	32	22	32		WS061030				
	MCBNR/L2525M16	25	25	150	25	22	36						
	MCBNR/L3225P16	32	25	170	32	22	35	CN□□1606□□	WS061030	MC1604	S3	MCL2114	MSP822
	MCBNR/L3232P16	32	32	170	32	27	35						
	MCBNR/L3232P19	32	32	170	32	27	40						
	MCBNR/L4040R19	40	40	200	40	35	40						

# M Type External Turning Tool Holder

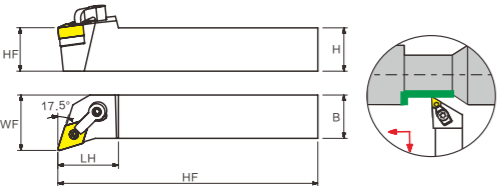


MCKNR/L	Type	Dimension						Adaptable Inserts	Clamping Screw	Shim	Wrench	Clamp	Screw
		H	B	LF	HF	WF	LH						
75°	MCKNR/L2020K12	20	20	125	20	25	28	CN□□1204□□	WS061025	MC1204	S3	MCL1814	MSP617
	MCKNR/L2525M12	25	25	150	25	32	28						
	MCKNR/L3225P12	32	25	170	32	32	28		WS061030				
	MCKNR/L2525M16	25	25	150	25	32	30						
	MCKNR/L3225P16	32	25	170	32	32	30	CN□□1606□□	WS061030	MC1604	S3	MCL2114	MSP821
	MCKNR/L3232P16	32	32	170	32	38	30						
	MCKNR/L3232P19	32	32	170	32	40	36						
	MCKNR/L4040R19	40	40	200	40	48	36						



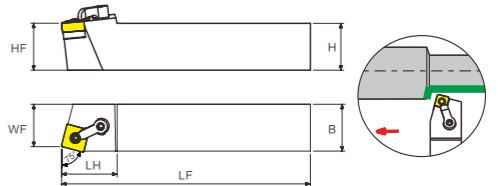
MDJNR/L	Type	Dimension						Adaptable Inserts	Clamping Screw	Shim	Wrench	Clamp	Screw
		H	B	LF	HF	WF	LH						
93°	MDJNR/L1616H11	16	16	100	16	20	30	DN□□1104□□	WS061025	MD1103	S2 S3	MCL1814	MSP513
	MDJNR/L2020K11	20	20	125	20	25	32						
	MDJNR/L2525M11	25	25	150	25	32	32		WS061030				
	MDJNR/L3225P11	32	25	170	32	32	32						
	MDJNR/L2020K1504/06	20	20	125	20	25	36	DN□□1504□□ DN□□1506□□	WS061030	MD1504	S3	MCL2114	04:MSP617 06:MSP619
	MDJNR/L2525M1504/06	25	25	150	25	32	38						
	MDJNR/L3225P1504/06	32	25	170	32	32	38						
	MDJNR/L3232P1504/06	32	32	170	32	40	38	DN□□1506□□	WS081030	MC1904	S4	MCL2217	MSP1022
	MDJNR/L4040R15	40	40	200	40	48	40						

# M Type External Turning Tool Holder



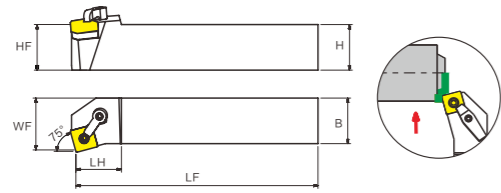
MDQNR/L	Type	Dimension						Adaptable Inserts	Clamping Screw	Shim	Wrench	Clamp	Screw
		H	B	LF	HF	WF	LH						
	107.5°												
	MDQNR/L1616H11	16	16	100	16	21	30	DN□□1104□□	WS061025	MD1103	S2 S3	MCL1814	MSP513
	MDQNR/L2020K11	20	20	125	20	25	32		WS061030				
	MDQNR/L2525M11	25	25	150	25	30	30		WS061030				
	MDQNR/L3225P11	32	25	170	32	30	30						
	MDQNR/L2020K1504/06	20	20	125	20	27	36	DN□□1504□□	WS061025	MD1504	S3	MCL2114	04:MSP617
	MDQNR/L2525M1504/06	25	25	150	25	32	35		WS061030				06:MSP619
	MDQNR/L3225P1504/06	32	25	170	32	32	35		WS061030				
MDQNR/L3232P1504/06	32	32	170	32	40	35	WS061030						

# M Type External Turning Tool Holder

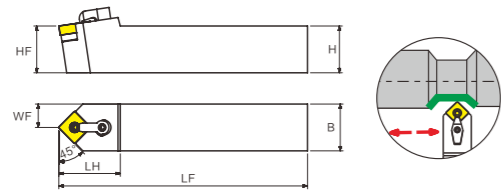


MSBNR/L	Type	Dimension						Adaptable Inserts	Clamping Screw	Shim	Wrench	Clamp	Screw
		H	B	LF	HF	WF	LH						
	75°												
	MSBNR/L2020K12	20	20	125	20	17	34	SN□□1204□□	WS061025	MS1204	S3	MCL1814	MSP617
	MSBNR/L2525M12	25	25	150	25	22	32		WS061030				
	MSBNR/L3225P12	32	25	170	32	22	32		WS061030				
	MSBNR/L2525M15	25	25	150	25	22	38	SN□□1506□□	WS061030	MS1504	S3	MCL2114	MSP821
	MSBNR/L3232P15	32	32	170	32	29	38						
	MSBNR/L3232P19	32	32	170	32	27	45	SN□□1906□□	WS081030	MS1904	S4	MCL2217	MSP1021
	MSBNR/L4040R19	40	40	200	40	35	45	SN□□2509□□	WS101035	MS2508	S4 S5	MCL3220	MSP1229
MSBNR/L4040S25	40	40	250	40	34	60							

# M Type External Turning Tool Holder

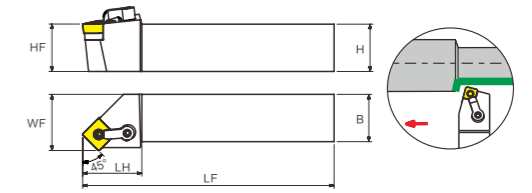


MSKNR/L	Type	Dimension						Adaptable Inserts	Clamping Screw	Shim	Wrench	Clamp	Screw
		H	B	LF	HF	WF	LH						
	MSKNR/L2020K12	20	20	125	20	25	28	SN□□1204□□	WS061025	MS1204	S3	MCL1814	MSP617
	MSKNR/L2525M12	25	25	150	25	32	27		WS061030				
	MSKNR/L3225P12	32	25	170	32	32	27	SN□□1506□□	WS061030	MS1504	S3	MCL2114	MSP821
	MSKNR/L2525M15	25	25	150	25	32	32						
	MSKNR/L3232P15	32	32	170	32	38	32	SN□□1906□□	WS081030	MS1904	S4	MCL2217	MSP1021
	MSKNR/L3232P19	32	32	170	32	38	36						
	MSKNR/L4040R19	40	40	200	40	50	40	SN□□2509□□	WS101035	MS2508	S4 S5	MCL3220	MSP1229
	MSKNR/L4040S25	40	40	250	40	50	45						

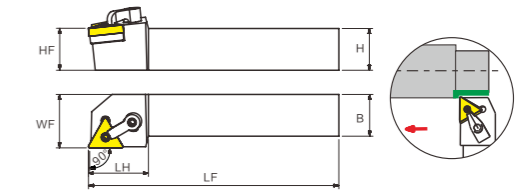


MSDNN	Type	Dimension						Adaptable Inserts	Clamping Screw	Shim	Wrench	Clamp	Screw
		H	B	LF	HF	WF	LH						
	MSDNN2020K12	20	20	125	20	10	34	SN□□1204□□	WS061025	MS1204	S3	MCL1814	MSP617
	MSDNN2525M12	25	25	150	25	12.5	34		WS061030				
	MSDNN3225P12	32	25	170	32	12.5	34	SN□□1506□□	WS061030	MS1504	S3	MCL2114	MSP821
	MSDNN2525M15	25	25	150	25	12.5	42						
	MSDNN3225P15	32	32	170	32	16	42	SN□□1906□□	WS081030	MS1904	S4	MCL2217	MSP1021
	MSDNN3232P19	32	32	170	32	16	45						
	MSDNN4040R19	40	40	200	40	20	50	SN□□2509□□	WS101035	MS2508	S4 S5	MCL3220	MSP1229
	MSDNN4040S25	40	40	250	40	20	60						

# M Type External Turning Tool Holder

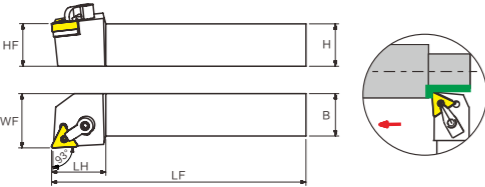












MSSNR/L	Type	Dimension						Adaptable Inserts	Clamping Screw	Shim	Wrench	Clamp	Screw
		H	B	LF	HF	WF	LH						
	MSSNR/L2020K12	20	20	125	20	25	36	SN□□1204□□	WS061025	MS1204	S3	MCL1814	MSP617
	MSSNR/L2525M12	25	25	150	25	30	36		WS061030				
	MSSNR/L3225P12	32	25	170	32	30	33	SN□□1506□□	WS061030	MS1504	S3	MCL2114	MSP821
	MSSNR/L3232P12	32	32	170	32	38	35						
	MSSNR/L2525M15	25	25	150	25	30	40	SN□□1906□□	WS081030	MS1904	S4	MCL2217	MSP1021
	MSSNR/L3232P15	32	32	170	32	38	40						
	MSSNR/L3232P19	32	32	170	32	38	45	SN□□2509□□	WS101035	MS2508	S4 S5	MCL3220	MSP1229
	MSSNR/L4040R19	40	40	200	40	46	45						
	MSSNR/L4040S25	40	40	250	40	50	60						

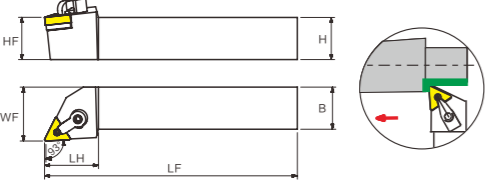












MTGNR/L	Type	Dimension						Adaptable Inserts	Clamping Screw	Shim	Wrench	Clamp	Screw
		H	B	LF	HF	WF	LH						
	MTGNR/L2020K16	20	20	125	20	25	32	TN□□1604□□	WS061025	MT1603	S2 S3	MCL1814	MSP513
	MTGNR/L2525M16	25	25	150	25	32	30		WS061030				
	MTGNR/L3225P16	32	25	170	32	32	30	TN□□2204□□	WS061030	MT2204	S3	MCL2114	MSP617
	MTGNR/L2525M22	25	25	150	25	32	36						
	MTGNR/L3225P22	32	25	170	32	32	36	SN□□2204□□	WS061030	MT2204	S3	MCL2114	MSP617
	MTGNR/L3232P22	32	32	170	32	38	36						

# M Type External Turning Tool Holder

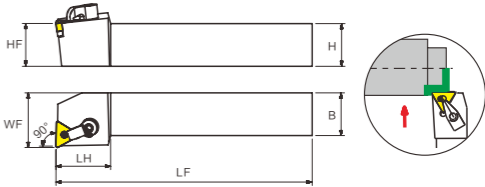












MTJNR/L	Type	Dimension						Adaptable Inserts	Clamping Screw	Shim	Wrench	Clamp	Screw	
		H	B	LF	HF	WF	LH							
	93°	MTJNR/L1616H16	16	16	100	16	20	28		WS061025				
	MTJNR/L2020K16	20	20	125	20	25	32			WS061030				
	MTJNR/L2525M16	25	25	150	25	32	32				WS061030	MT1603	S2 S3	MCL1814
	MTJNR/L3225P16	32	25	170	32	32	32							
	MTJNR/L3232P16	32	32	170	32	32	32		WS061030	MT2204	S3	MCL2114	MSP617	
	MTJNR/L2525M22	25	25	150	25	32	36							
	MTJNR/L3225P22	32	25	170	32	32	36		WS061030	MT2204	S3	MCL2114	MSP617	
	MTJNR/L3232P22	32	32	170	32	38	36							

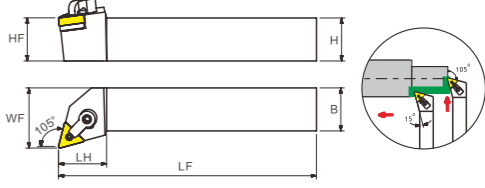











MTJNR/L(B)	Type	Dimension						Adaptable Inserts	Clamping Screw	Shim	Wrench	Clamp	Screw	
		H	B	LF	HF	WF	LH							
	93°	MTJNR/L1616H16(B)	16	16	100	16	20	28		WS061025				
	MTJNR/L2020K16(B)	20	20	125	20	25	32			WS061030				
	MTJNR/L2525M16(B)	25	25	150	25	32	32				WS061030	MT1603	S2 S3	MCL1814
	MTJNR/L3225P16(B)	32	25	170	32	32	32							
	MTJNR/L3232P16(B)	32	32	170	32	32	32		WS061030	MT2204	S3	MCL2114	MSP617	
	MTJNR/L2525M22(B)	25	25	150	25	32	36							
	MTJNR/L3225P22(B)	32	25	170	32	32	36		WS061030	MT2204	S3	MCL2114	MSP617	
	MTJNR/L3232P22(B)	32	32	170	32	38	36							

# M Type External Turning Tool Holder

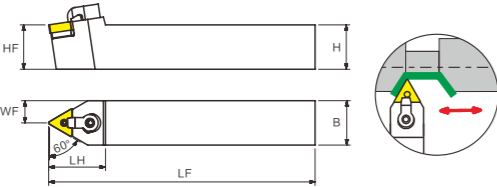


MTFNR/L	Type	Dimension						Adaptable Inserts	Clamping Screw	Shim	Wrench	Clamp	Screw	
		H	B	LF	HF	WF	LH							
	90°	MTFNR/L1616H16	16	16	100	16	21	28		WS061025				
	MTFNR/L2020K16	20	20	125	20	25	30			WS061030				
	MTFNR/L2525M16	25	25	150	25	32	32				WS061030	MT1603	S2 S3	MCL1814
	MTFNR/L3225P16	32	25	170	32	32	32							
	MTFNR/L3232P16	32	32	170	32	38	32		WS061030	MT2204	S3	MCL2114	MSP617	
	MTFNR/L2525M22	25	25	150	25	32	36							
	MTFNR/L3225P22	32	25	170	32	32	36		WS061030	MT2204	S3	MCL2114	MSP617	
	MTFNR/L3232P22	32	32	170	32	38	36							

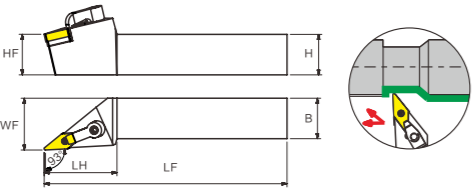


MTQNR/L	Type	Dimension						Adaptable Inserts	Clamping Screw	Shim	Wrench	Clamp	Screw	
		H	B	LF	HF	WF	LH							
	105°	MTQNR/L2020K16	20	20	125	20	29	25		WS061025				
	MTQNR/L2525M16	25	25	150	25	35	28			WS061030				
	MTQNR/L3225P16	32	25	170	32	35	25				WS061030	MT1603	S2 S3	MCL1814
	MTQNR/L2525M22	25	25	150	25	38	36							
	MTQNR/L3232P22	32	32	170	32	46	36		WS061030	MT2204	S3	MCL2114	MSP617	
	MTQNR/L3232P22	32	32	170	32	46	36							

# M Type External Turning Tool Holder

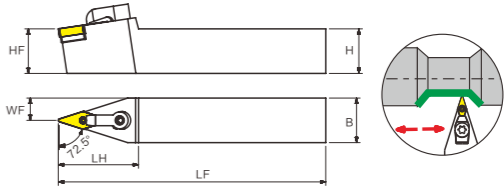


MTENN	Type	Dimension						Adaptable Inserts	Clamping Screw	Shim	Wrench	Clamp	Screw
		H	B	LF	HF	WF	LH						
	MTENN1616H16	16	16	100	16	8	32	TN□□1604□□	WS061025	MT1603	S2 S3	MCL1814	MSP513
	MTENN2020K16	20	20	125	20	10	34						
	MTENN2525M16	25	25	150	25	12.5	32						
	MTENN3232P16	32	32	170	32	16	32						

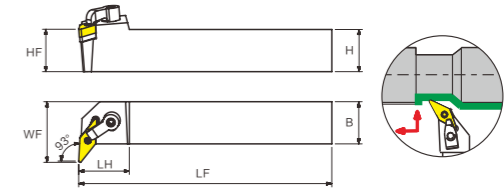


MVJNR/L	Type	Dimension						Adaptable Inserts	Clamping Screw	Shim	Wrench	Clamp	Screw
		H	B	LF	HF	WF	LH						
	MVJNR/L1616H16	16	16	100	16	22	43	VN□□1604□□	WS061025	MV1603	S2 S3	MCL2414	MSP513
	MVJNR/L2020K16	20	20	125	20	26	45						
	MVJNR/L2525M16	25	25	150	25	32	45						
	MVJNR/L3225P16	32	25	170	32	32	45						
	MVJNR/L3232P16	32	32	170	32	40	45						

# M Type External Turning Tool Holder

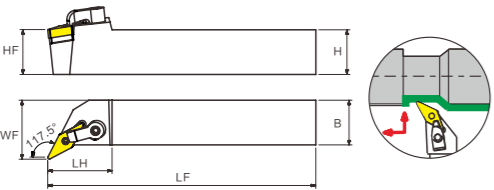


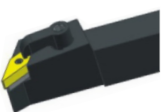
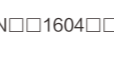





MVVNN	Type	Dimension						Adaptable Inserts	Clamping Screw	Shim	Wrench	Clamp	Screw
		H	B	LF	HF	WF	LH						
	MVVNN2020K16	20	20	125	20	10	45	VN□□1604□□	WS061025	MV1603	S2 S3	MCL2414	MSP513
	MVVNN2525M16	25	25	150	25	12.5	45						
	MVVNN3225P16	32	25	170	32	12.5	45						
	MVVNN3232P16	32	32	170	32	16	45						

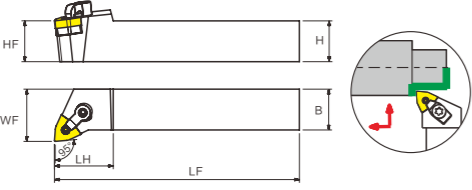









MVUNR/L	Type	Dimension						Adaptable Inserts	Clamping Screw	Shim	Wrench	Clamp	Screw
		H	B	LF	HF	WF	LH						
	MVUNR/L1616H16	16	16	100	16	20	45	VN□□1604□□	WS061025	MV1603	S2 S3	MCL2414	MSP513
	MVUNR/L2020K16	20	20	125	20	25	45						
	MVUNR/L2525M16	25	25	150	25	32	45						
	MVUNR/L3225P16	32	25	170	32	32	45						
	MVUNR/L3232P16	32	32	170	32	40	45						

# M Type External Turning Tool Holder

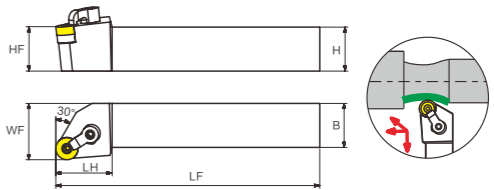









MVQNR/L	Type	Dimension						Adaptable Inserts	Clamping Screw	Shim	Wrench	Clamp	Screw
		H	B	LF	HF	WF	LH						
	MVQNR/L1616H16	16	16	100	16	24	36						
	MVQNR/L2020K16	20	20	125	20	27	36						
	MVQNR/L2525M16	25	25	150	25	33	36						
	MVQNR/L3225P16	32	25	170	32	33	36						
	MVQNR/L3232P16	32	32	170	32	40	36						

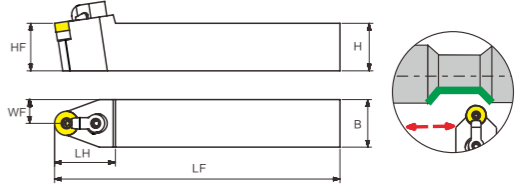









MWLNR/L	Type	Dimension						Adaptable Inserts	Clamping Screw	Shim	Wrench	Clamp	Screw
		H	B	LF	HF	WF	LH						
	MWLNR/L2020K06	20	20	125	20	25	28						
	MWLNR/L2525M06	25	25	150	25	32	30						
	MWLNR/L2020K08	20	20	125	20	26	28						
	MWLNR/L2525M08	25	25	150	25	32	35						
	MWLNR/L3225P08	32	25	170	32	32	35						
	MWLNR/L3232P08	32	32	170	32	40	35						

# M Type External Turning Tool Holder

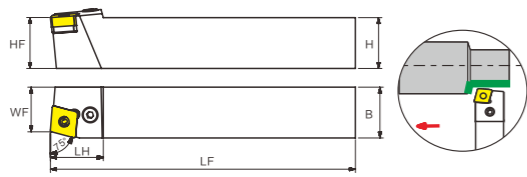


MRGNR/L	Type	Dimension						Adaptable Inserts	Clamping Screw	Shim	Wrench	Clamp	Screw
		H	B	LF	HF	WF	LH						
	MRGNR/L2020K12	20	20	125	20	25	28						
	MRGNR/L2525M12	25	25	150	25	32	32						
	MRGNR/L3225P12	32	25	170	32	32	32						
	MRGNR/L3232P12	32	32	170	32	39	32						

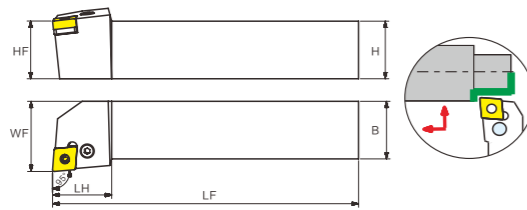


MRDNN	Type	Dimension						Adaptable Inserts	Clamping Screw	Shim	Wrench	Clamp	Screw
		H	B	LF	HF	WF	LH						
	MRDNN2020K12	20	20	125	20	1 0	30						
	MRDNN2525M12	25	25	150	25	12.5	32						
	MRDNN3225P12	32	25	170	32	12.5	30						
	MRDNN3232P12	32	32	170	32	1 6	30						

# P Type External Turning Tool Holder

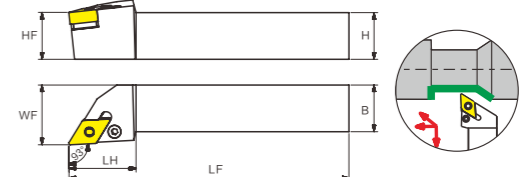


PCBNR/L	Type	Dimension						Adaptable Inserts	Screw	Shim	Wrench	Lever	Shim Pin						
		H	B	LF	HF	WF	LH												
	PCBNR/L2020K12	20	20	125	20	17	30												
	PCBNR/L2525M12	25	25	150	25	22	26							CN□□1204□□	VHX0821	PC12318	S3	LV4	SP4
	PCBNR/L3232P12	32	32	170	32	29	27												
	PCBNR/L2525M16	25	25	150	25	22	32							CN□□1606□□	VHX0825	PC16476	S3	LV5	SP5
	PCBNR/L3232P16	32	32	170	32	27	33												
	PCBNR/L3232P19	32	32	170	32	27	38							CN□□1906□□	VHX1027	PC19476	S4	LV6	SP6
	PCBNR/L4040S19	40	40	250	40	35	38												
	PCBNR/L4040S2507	40	40	250	40	37	50							CN□□2507□□	VHX1236	PC25	S5	LV8	SP8
PCBNR/L4040S2509	40	40	250	40	37	50	CN□□2509□□												

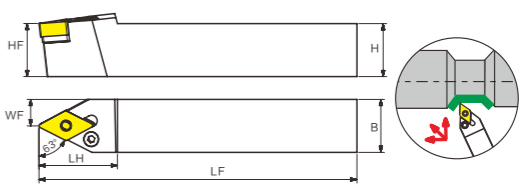


PCLNR/L	Type	Dimension						Adaptable Inserts	Screw	Shim	Wrench	Lever	Shim Pin						
		H	B	LF	HF	WF	LH												
	PCLNR/L1616H09	16	16	100	16	20	20												
	PCLNR/L2020K09	20	20	125	20	25	22							CN□□0903□□	VHX0613	PC09318	S2.5	LV3	SP3
	PCLNR/L2525M09	25	25	150	25	32	22												
	PCLNR/L2020K12	20	20	125	20	26	28												
	PCLNR/L2525M12	25	25	150	25	32	28							CN□□1204□□	VHX0821	PC12318	S3	LV4	SP4
	PCLNR/L3232P12	32	32	170	32	39	32												
	PCLNR/L2525M16	25	25	150	25	32	36							CN□□1606□□	VHX0825	PC16476	S3	LV5	SP5
	PCLNR/L3232P16	32	32	170	32	39	36												
	PCLNR/L3232P19	32	32	170	32	40	40							CN□□1906□□	VHX1027	PC19476	S4	LV6	SP6
	PCLNR/L4040S19	40	40	250	40	49	40												
PCLNR/L4040S2507	40	40	250	40	50	47	CN□□2507□□	VHX1236	PC25	S5	LV8	SP8							
PCLNR/L4040S2509	40	40	250	40	50	47	CN□□2509□□												

# P Type External Turning Tool Holder

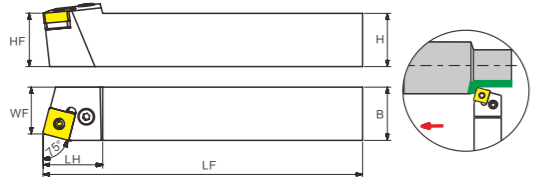


PDJNR/L	Type	Dimension						Adaptable Inserts	Screw	Shim	Wrench	Lever	Shim Pin						
		H	B	LF	HF	WF	LH												
	PDJNR/L1616H11	16	16	100	16	20	25												
	PDJNR/L2020K11	20	20	125	20	25	25							DN□□1104□□	VHX0613	PD11270	S2.5	LV3	SP3
	PDJNR/L2525M11	25	25	150	25	30	30												
	PDJNR/L2020K15	20	20	125	20	25	32												
	PDJNR/L2525M15	25	25	150	25	32	35							DN□□1506□□	VHX0825	PD15318	S3	LV4B	SP4
	PDJNR/L3232P15	32	32	170	32	38	35												
	PDJNR/L2020K15-3	20	20	125	20	25	35												
	PDJNR/L2020M15-3	25	25	150	25	32	35							DN□□1504□□	VHX0821	PD15318	S3	LV4	SP4
PDJNR/L3232P15-3	32	32	170	32	38	35													

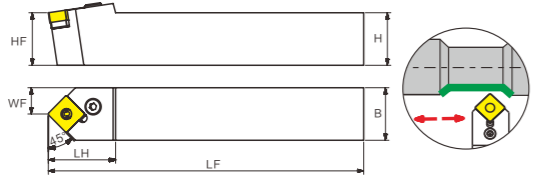


PDNNR/L	Type	Dimension						Adaptable Inserts	Screw	Shim	Wrench	Lever	Shim Pin						
		H	B	LF	HF	WF	LH												
	PDNNR/L2020K15	20	20	125	20	8	37												
	PDNNR/L2525M15	25	25	150	25	12.5	37							DN□□1506□□	VHX0825	PD15318	S3	LV4B	SP4
	PDNNR/L3225P15	32	25	170	32	12.5	37												
	PDNNR/L3232P15	32	32	170	32	16	37												
	PDNNR/L2020K15-3	20	20	125	20	8	37												
	PDNNR/L2525M15-3	25	25	150	25	12.5	37							DN□□1504□□	VHX0821	PD15318	S3	LV4	SP4
PDNNR/L3232P15-3	32	32	170	32	16	37													

# P Type External Turning Tool Holder

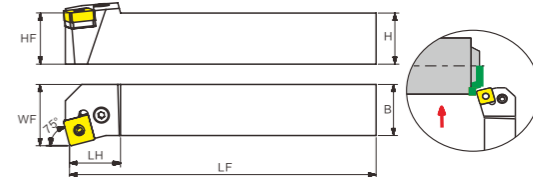


PSB NR/L	Type	Dimension						Adaptable Inserts	Screw	Shim	Wrench	Lever	Shim Pin
		H	B	LF	HF	WF	LH						
75°	PSB NR/L1616H09	16	16	100	16	13	21	SN□□0903□□	VHX0613	PS09318	S2.5	LV3	SP3
	PSB NR/L2020K09	20	20	125	20	17	23						
	PSB NR/L2020K12	20	20	125	20	17	28	SN□□1204□□	VHX0821	PS12318	S3	LV4	SP4
	PSB NR/L2525M12	25	25	150	25	22	28						
	PSB NR/L3225P12	32	25	170	32	22	28	SN□□1506□□	VHX0825	PS15476	S3	LV5	SP5
	PSB NR/L3232P12	32	32	170	32	29	28						
	PSB NR/L2525M15	25	25	150	25	22	32	SN□□1906□□	VHX1027	PS19476	S4	LV6	SP6
	PSB NR/L3232P15	32	32	170	32	28	32						
	PSB NR/L3232P19	32	32	170	32	36	45	SN□□2507□□	VHX1236	PS25634	S5	LV8	SP8
	PSB NR/L4040S19	40	40	250	40	35	45						
PSB NR/L4040S2507	40	40	250	40	35	50	SN□□2509□□	VHX1236	PS25476	S5	LV8	SP8	
PSB NR/L4040S2509	40	40	250	40	35	50							

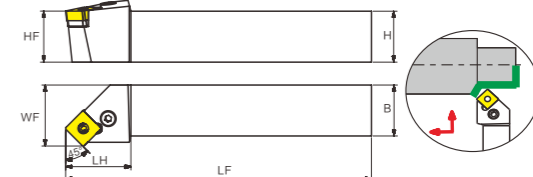


PSD NN	Type	Dimension						Adaptable Inserts	Screw	Shim	Wrench	Lever	Shim Pin
		H	B	LF	HF	WF	LH						
45°	PSD NN2020K12	20	20	125	20	10	30	SN□□1204□□	VHX0821	PS12318	S3	LV4	SP4
	PSD NN2525M12	25	25	150	25	12.5	32						
	PSD NN3232P12	32	32	170	32	16	30	SN□□1506□□	VHX0825	PS15476	S3	LV5	SP5
	PSD NN2525M15	25	25	150	25	12.5	40						
	PSD NN3232P15	32	32	170	32	16	40	SN□□1906□□	VHX1027	PS19476	S4	LV6	SP6
	PSD NN3232P19	32	32	170	32	16	40						
	PSD NN4040S19	40	40	250	40	20	40	SN□□2507□□	VHX1236	PS25634	S5	LV8	SP8
	PSD NN4040S2507	40	40	250	40	20	50						
	PSD NN4040S2509	40	40	250	40	20	50	SN□□2509□□	VHX1236	PS25476	S5	LV8	SP8

# P Type External Turning Tool Holder

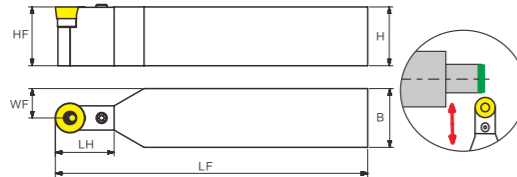


PSK NR/L	Type	Dimension						Adaptable Inserts	Screw	Shim	Wrench	Lever	Shim Pin
		H	B	LF	HF	WF	LH						
75°	PSK NR/L1616H09	16	16	100	16	20	17	SN□□0903□□	VHX0613	PS09318	S2.5	LV3	SP3
	PSK NR/L2020K09	20	20	125	20	25	20						
	PSK NR/L2020K12	20	20	125	20	25	26	SN□□1204□□	VHX0821	PS12318	S3	LV4	SP4
	PSK NR/L2525M12	25	25	150	25	30	26						
	PSK NR/L3232P12	32	32	170	32	38	26	SN□□1506□□	VHX0825	PS15476	S3	LV5	SP5
	PSK NR/L2525M15	25	25	150	25	32	32						
	PSK NR/L3232P15	32	32	170	32	38	32	SN□□1906□□	VHX1027	PS19476	S4	LV6	SP6
	PSK NR/L3232P19	32	32	170	32	38	36						
	PSK NR/L4040S19	40	40	250	40	48	32	SN□□2507□□	VHX1236	PS25634	S5	LV8	SP8
	PSK NR/L4040S2507	40	40	250	40	50	40						
	PSK NR/L4040S2509	40	40	250	40	50	40	SN□□2509□□	VHX1236	PS25476	S5	LV8	SP8

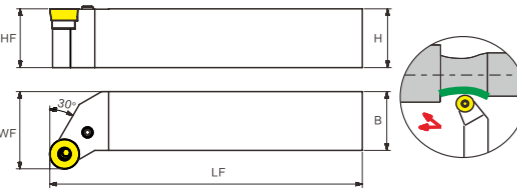


PSS NR/L	Type	Dimension						Adaptable Inserts	Screw	Shim	Wrench	Lever	Shim Pin
		H	B	LF	HF	WF	LH						
45°	PSS NR/L1616H09	16	16	100	16	18	25	SN□□0903□□	VHX0613	PS09318	S2.5	LV3	SP3
	PSS NR/L2020K12	20	20	125	20	25	28						
	PSS NR/L2525M12	25	25	150	25	30	32	SN□□1204□□	VHX0821	PS12318	S3	LV4	SP4
	PSS NR/L3232P12	32	32	170	32	38	32						
	PSS NR/L2525M15	25	25	150	25	30	35	SN□□1506□□	VHX0825	PS15476	S3	LV5	SP5
	PSS NR/L3232P15	32	32	170	32	38	35						
	PSS NR/L3232P19	32	32	170	32	38	40	SN□□1906□□	VHX1027	PS19476	S4	LV6	SP6
	PSS NR/L4040S19	40	40	250	40	48	50						
	PSS NR/L4040S2507	40	40	250	40	48	50	SN□□2507□□	VHX1236	PS25634	S5	LV8	SP8
	PSS NR/L4040S2509	40	40	250	40	48	50						
								SN□□2509□□	VHX1236	PS25476	S5	LV8	SP8

# P Type External Turning Tool Holder

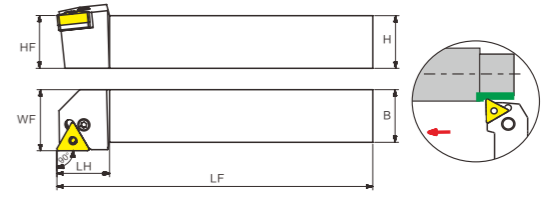


PRDCN	Type	Dimension						Adaptable Inserts	Screw	Shim	Wrench	Lever	Shim Pin
		H	B	LF	HF	WF	LH						
	PRDCN2020K12	20	20	125	20	10	25	RCMX1204□□	VHX0613	PR1204	S2.5	LCL12C	SP3
	PRDCN2525M12	25	25	150	25	12.5	25						
	PRDCN2525M16	25	25	150	25	10	35	RCMX1606□□	VHX0621	PR1604	S2.5	LCL16C	SP4
	PRDCN3232P16	32	32	170	32	16	32						
	PRDCN3232P20	32	32	170	32	16	40	RCMX2006□□	VHX0825	PR2004	S3	LCL20C	SP5
	PRDCN4040T20	40	40	300	40	20	45						
	PRDCN3232P25	32	32	170	32	16	45	RCMX2507□□	VHX1030	PR2506	S4	LCL25C	SP6
	PRDCN4040T25	40	40	300	40	20	50						



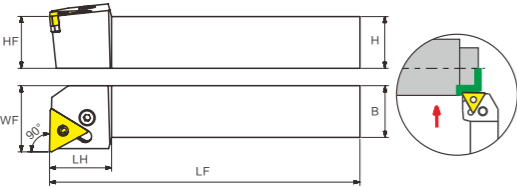
PRGCR/L	Type	Dimension						Adaptable Inserts	Screw	Shim	Wrench	Lever	Shim Pin
		H	B	LF	HF	WF	LH						
	PRGCR/L2020K12	20	20	125	20	10	25	RCMX1204□□	VHX0613	PR1204	S2.5	LCL12C	SP3
	PRGCR/L2525M12	25	25	150	25	12.5	25						
	PRGCR/L2525M16	25	25	150	25	10	35	RCMX1606□□	VHX0621	PR1604	S2.5	LCL16C	SP4
	PRGCR/L3232P16	32	32	170	32	16	42						
	PRGCR/L3232P20	32	32	170	32	16	40	RCMX2006□□	VHX0825	PR2004	S3	LCL20C	SP5
	PRGCR/L4040T20	40	40	300	40	20	50						
	PRGCR/L3232P25	32	32	170	32	16	45	RCMX2507□□	VHX1030	PR2506	S4	LCL25C	SP6
	PRGCR/L4040T25	40	40	300	40	20	56						




















# P Type External Turning Tool Holder

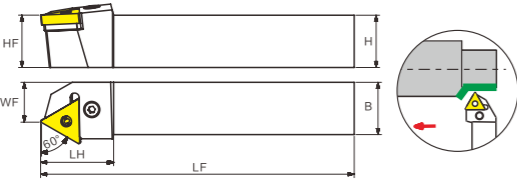


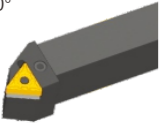












PTGNR/L	Type	Dimension						Adaptable Inserts	Screw	Shim	Wrench	Lever	Shim Pin						
		H	B	LF	HF	WF	LH												
	90°	PTGNR/L1616H11	16	16	100	16	19	18	TN□□1103□□	VHX059B	—	S2	LV2	—					
	PTGNR/L2020K11	20	20	125	20	24	20												
	PTGNR/L2525M11	25	25	150	25	29	20												
	PTGNR/L1616H16	16	16	100	16	19	22	TN□□1604□□	VHX0617	PT16	S2.5	LV3	SP3						
	PTGNR/L2020K16	20	20	125	20	23	25												
	PTGNR/L2525M16	25	25	150	25	29	25												
	PTGNR/L3232P16	32	32	170	32	37	32												
	PTGNR/L2525M22	25	25	150	25	30	30							TN□□2204□□	VHX0821	PT22	S3	LV4	SP4
	PTGNR/L3232P22	32	32	170	32	37	32												
	PTGNR/L3232P27	32	32	170	32	37	38	TN□□2706□□	VHX0825	PT27	S3	LV5	SP5						
	PTGNR/L4040S27	40	40	250	40	47	38												

# P Type External Turning Tool Holder

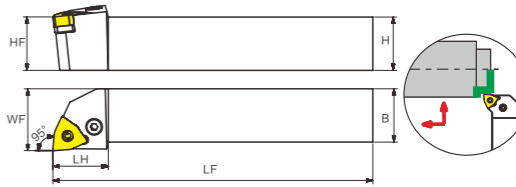





















PTFNR/L	Type	Dimension						Adaptable Inserts	Screw	Shim	Wrench	Lever	Shim Pin
		H	B	LF	HF	WF	LH						
	PTFNR/L1616H16	16	16	100	16	20	20						
	PTFNR/L2020K16	20	20	125	20	25	20						
	PTFNR/L2525M16	25	25	150	25	30	25						
	PTFNR/L2525M22	25	25	150	25	32	30						
	PTFNR/L3232P22	32	32	170	32	38	30						
	PTFNR/L3232P27	32	32	170	32	38	35						
PTFNR/L4040S27	40	40	250	40	50	34							



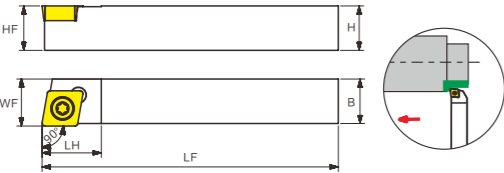
PTTNR/L	Type	Dimension						Adaptable Inserts	Screw	Shim	Wrench	Lever	Shim Pin
		H	B	LF	HF	WF	LH						
	PTTNR/L1616H16	16	16	100	16	13	25						
	PTTNR/L2020K16	20	20	125	20	17	25						
	PTTNR/L2525M25	25	25	150	25	22	32						

# P Type External Turning Tool Holder

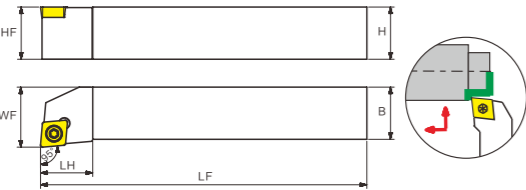


PWLNR/L	Type	Dimension						Adaptable Inserts	Screw	Shim	Wrench	Lever	Shim Pin
		H	B	LF	HF	WF	LH						
	PWLNR/L1616H06	16	16	100	16	19	22						
	PWLNR/L2020K06	20	20	125	20	23	25						
	PWLNR/L2525M06	25	25	150	25	28	25						
	PWLNR/L2020K08	20	20	125	20	25	26						
	PWLNR/L2525M08	25	25	150	25	29	26						
	PWLNR/L3232P08	32	32	170	32	37	26						

# S Type External Turning Tool Holder

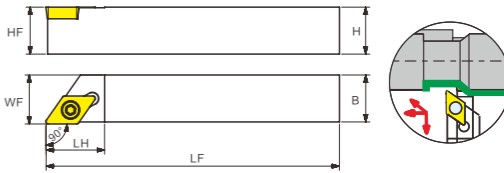


SCACR/L	Type	Dimension						Adaptable Inserts	Screw	Wrench
		H	B	LF	HF	WF	LH			
	SCACR/L1010E06	10	10	70	10	10.5	10	CC□T0602□□	L60M2.5 × 5	T08
	SCACR/L1212F09	12	12	80	12	12.7	16			

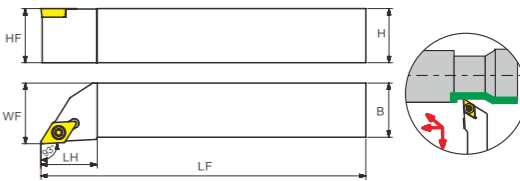


SCLCR/L	Type	Dimension						Adaptable Inserts	Screw	Wrench
		H	B	LF	HF	WF	LH			
	SCLCR/L1212F09	12	12	80	12	15	16	CC□T09T3□□	L60M4 × 8	T15
	SCLCR/L1616H09	16	16	100	16	20	16			
	SCLCR/L2020K09	20	20	125	20	23	20			
	SCLCR/L2020K12	20	20	125	20	24	25	CC□T1204□□	L60M5*12	T20
	SCLCR/L2525M12	25	25	150	25	29	25			
	SCLCR/L3225P12	32	32	170	32	29	25			
	SCLCR/L3232P12	32	32	170	32	36	38			

# S Type External Turning Tool Holder

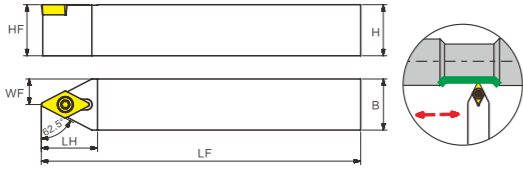


SDACR/L	Type	Dimension						Adaptable Inserts	Screw	Wrench
		H	B	LF	HF	WF	LH			
	SDACR/L1010E07	10	10	70	10	10.5	15	DC□T0702□□	L60M2.5 × 5	T08
	SDACR/L1212F11	12	12	80	12	12.5	20			
	SDACR/L1616H11	16	16	100	16	16.7	20			

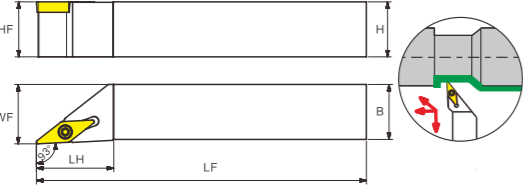


SDJCR/L	Type	Dimension						Adaptable Inserts	Screw	Wrench
		H	B	LF	HF	WF	LH			
	SDJCR/L1010E07	10	10	70	10	12	15	DC□T0702□□	L60M2.5 × 5	T08
	SDJCR/L1212F07	12	12	80	12	14	15			
	SDJCR/L1616H07	16	16	100	16	18	18			
	SDJCR/L2020K07	20	20	125	20	22	18	DC□T11T3□□	L60M4 × 8	T15
	SDJCR/L1616H11	16	16	100	16	19	20			
	SDJCR/L2020K11	20	20	125	20	23	26			
	SDJCR/L2525M11	25	25	150	25	28	26			
	SDJCR/L3225P11	32	25	170	32	28	26			
	SDJCR/L3232P11	32	32	170	32	35	31			

# S Type External Turning Tool Holder

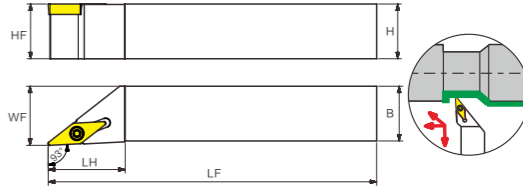


SDNCN	Type	Dimension						Adaptable Inserts	Screw	Wrench
		H	B	LF	HF	WF	LH			
	SDNCN1010E07	10	10	70	10	5	16	DC□T0702□□	L60M2.5 × 5	T08
	SDNCN1212F07	12	12	80	12	6	20			
	SDNCN1212H11	12	12	100	12	6	22	DC□T11T3□□	L60M4 × 8	T15
	SDNCN1616H11	16	16	100	16	8	22			
	SDNCN2020K11	20	20	125	20	10	22			
	SDNCN2525M11	25	25	150	25	12.5	22			

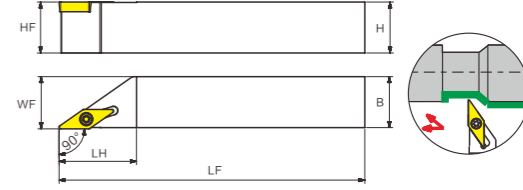


SVJCR/L	Type	Dimension						Adaptable Inserts	Screw	Wrench
		H	B	LF	HF	WF	LH			
	SVJCR/L1212F11	12	12	80	12	14	20	VC□T1103□□	L60M2.5 × 5	T08
	SVJCR/L1616H11	16	16	100	16	18	22			
	SVJCR/L2020K11	20	20	125	20	22	27			
	SVJCR/L2525M11	25	25	150	25	27	35	VC□T1604□□	L60M4 × 8	T15
	SVJCR/L1616H16	16	16	100	16	18	32			
	SVJCR/L2020K16	20	20	125	20	22	32			
	SVJCR/L2525M16	25	25	150	25	27	35			
	SVJCR/L3225P16	32	25	170	32	27	35			
SVJCR/L3232P16	32	32	170	32	35	45				

# S Type External Turning Tool Holder

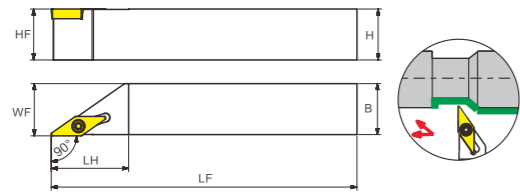


SVJBR/L	Type	Dimension						Adaptable Inserts	Screw	Wrench
		H	B	LF	HF	WF	LH			
	SVJBR/L1212F11	12	12	80	12	14	27	VB□T1103□□	L60M2.5 × 5	T08
	SVJBR/L1616H11	16	16	100	16	18	27			
	SVJBR/L2020K11	20	20	125	20	22	27			
	SVJBR/L2525M11	25	25	150	25	27	27	VB□T1604□□	L60M4 × 8	T15
	SVJBR/L1616H16	16	16	100	16	18	36			
	SVJBR/L2020K16	20	20	125	20	22	41			
	SVJBR/L2525M16	25	25	150	25	27	41			
	SVJBR/L3225P16	32	25	170	32	27	41			
	SVJBR/L3232P16	32	32	170	32	35	41			

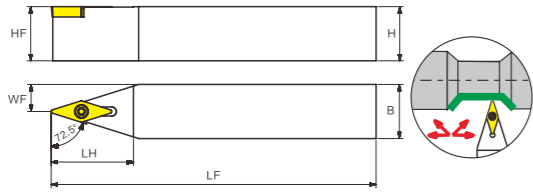


SVABR/L	Type	Dimension						Adaptable Inserts	Screw	Wrench
		H	B	LF	HF	WF	LH			
	SVABR/L1616H16	16	16	100	16	16.5	32	VB□T1604□□	L60M4 × 8	T15
	SVABR/L2020K16	20	20	125	20	20.5	32			
	SVABR/L2525M16	25	25	150	25	25.5	38			

## S Type External Turning Tool Holder

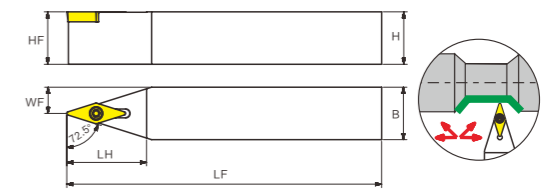


SVACR/L	Type	Dimension						Adaptable Inserts	Screw	Wrench
		H	B	LF	HF	WF	LH			
	SVACR/L1616H16	16	16	100	16	16.5	32			
	SVACR/L2020K16	20	20	125	20	20.5	32			
	SVACR/L2525M16	25	25	150	25	25.5	38			

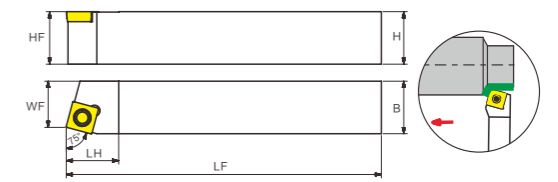


SVVBN	Type	Dimension						Adaptable Inserts	Screw	Wrench
		H	B	LF	HF	WF	LH			
	SVVBN1212F11	12	12	80	12	6	22			
	SVVBN1616H11	16	16	100	16	8	27			
	SVVBN2020K11	20	20	125	20	10	30			
	SVVBN1616H16	16	16	100	16	8	33			
	SVVBN2020K16	20	20	125	20	10	33			
	SVVBN2525M16	25	25	150	25	12.5	38			
	SVVBN3225P16	32	25	170	32	12.5	38			
SVVBN3232P16	32	32	170	32	16	38				

## S Type External Turning Tool Holder

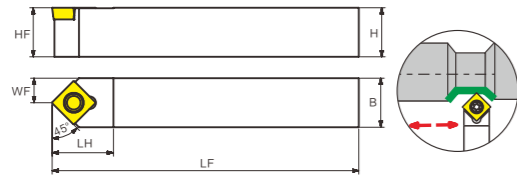



SVVCN	Type	Dimension						Adaptable Inserts	Screw	Wrench
		H	B	LF	HF	WF	LH			
	SVVCN1212F11	12	12	80	12	6	22			
	SVVCN1616H11	16	16	100	16	8	27			
	SVVCN2020K11	20	20	125	20	10	30			
	SVVCN1616H16	16	16	100	16	8	33			
	SVVCN2020K16	20	20	125	20	10	33			
	SVVCN2525M16	25	25	150	25	12.5	38			
	SVVCN3225P16	32	25	170	32	12.5	38			
SVVCN3232P16	32	32	170	32	16	38				

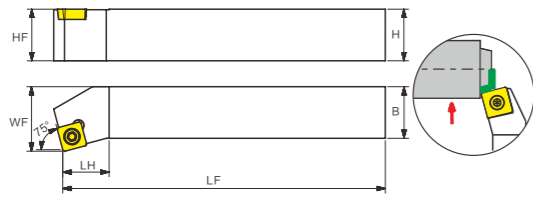


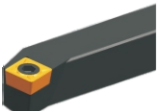
SSBCR/L	Type	Dimension						Adaptable Inserts	Screw	Wrench
		H	B	LF	HF	WF	LH			
	SSBCR/L1212F09	12	12	80	12	11	14			
	SSBCR/L1616H09	16	16	100	16	13	16			
	SSBCR/L2020K12	20	20	125	20	17	25			
	SSBCR/L2525M12	25	25	150	25	22	25			
	SSBCR/L3232P12	32	32	170	32	27	28			

# S Type External Turning Tool Holder

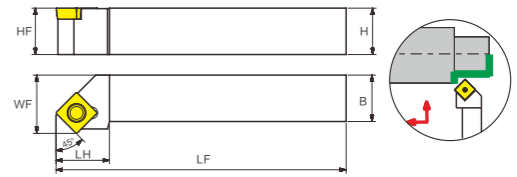


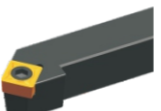
SSDCN	Type	Dimension						Adaptable Inserts	Screw	Wrench
		H	B	LF	HF	WF	LH			
	SSDCN1212F09	12	12	80	12	6	16	SC□T09T3□□	L60M4 × 8	T15
	SSDCN1616H09	16	16	100	16	8	16			
	SSDCN2020K09	20	20	125	20	10	16			
	SSDCN2525M09	25	25	150	25	12.5	25	SC□T1204□□	L60M5 × 12	T20
	SSDCN2020K12	20	20	125	20	10	25			
	SSDCN2525M12	25	25	150	25	12.5	25			
SSDCN3232P12	32	32	170	32	16	25				

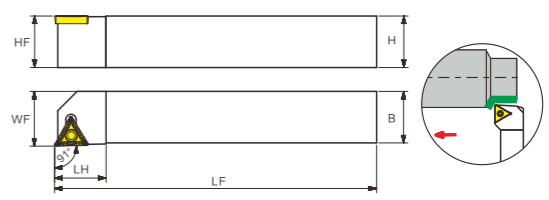


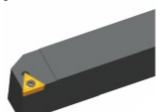
SSKCR/L	Type	Dimension						Adaptable Inserts	Screw	Wrench
		H	B	LF	HF	WF	LH			
	SSKCR/L1616H09	16	16	100	16	20	13	SC□T09T3□□	L60M4 × 8	T15
	SSKCR/L2020K09	20	20	125	20	25	18			
	SSKCR/L2020K12	20	20	125	20	20	18	SC□T1204□□	L60M5 × 12	T20
	SSKCR/L2525M12	25	25	150	25	32	22			
	SSKCR/L3232P12	32	32	170	32	40	27			

# S Type External Turning Tool Holder

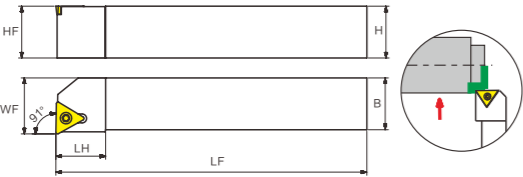


SSSCR/L	Type	Dimension						Adaptable Inserts	Screw	Wrench
		H	B	LF	HF	WF	LH			
	SSSCR/L1616H09	16	16	100	16	20	16	SC□T09T3□□	L60M4 × 8	T15
	SSSCR/L2020K09	20	20	125	20	25	20			
	SSSCR/L2020K12	20	20	125	20	20	23	SC□T1204□□	L60M5 × 12	T20
	SSSCR/L2525M12	25	25	150	25	32	25			
	SSSCR/L3232P12	32	32	170	32	40	28			

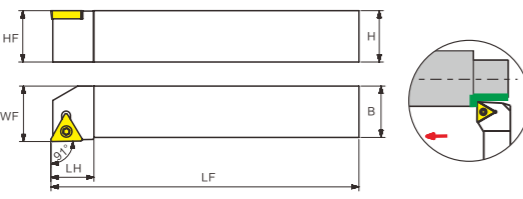


STACR/L	Type	Dimension						Adaptable Inserts	Screw	Wrench
		H	B	LF	HF	WF	LH			
	91°	12	12	80	12	12.5	14	TC□T1102□□	L60M2.5 × 5	T08

# S Type External Turning Tool Holder

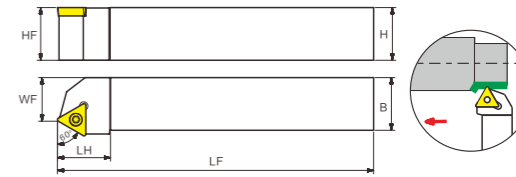


STFCR/L	Type	Dimension						Adaptable Inserts	Screw	Wrench
		H	B	LF	HF	WF	LH			
	STFCR/L1212F11	12	12	80	12	14	14			
	STFCR/L1616H11	16	16	100	16	18	16			
	STFCR/L2020K11	20	20	125	20	22	16			
	STFCR/L1616H16	16	16	100	16	18	19			
	STFCR/L2020K16	20	20	125	20	22	19			
STFCR/L2525M16	25	25	150	25	27	24				

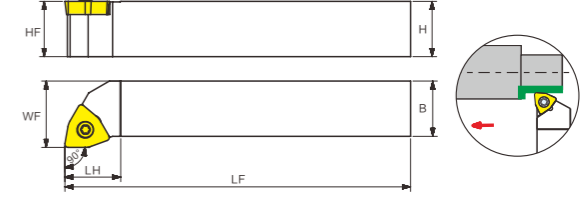


STGCR/L	Type	Dimension						Adaptable Inserts	Screw	Wrench
		H	B	LF	HF	WF	LH			
	STGCR/L0808D09	08	08	60	8	10	11			
	STGCR/L1010E09	10	10	70	10	11	11			
	STGCR/L1212F11	12	12	80	12	14	14			
	STGCR/L1616H11	16	16	100	16	17	16			
	STGCR/L2020K16	20	20	125	20	22	21			
STGCR/L2525M16	25	25	150	25	27	21				

# S Type External Turning Tool Holder

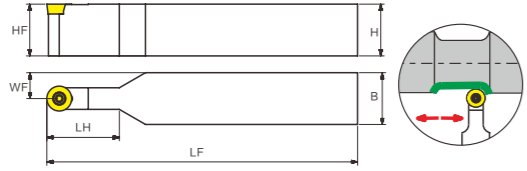


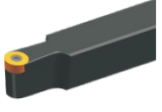
STTCR/L	Type	Dimension						Adaptable Inserts	Screw	Wrench
		H	B	LF	HF	WF	LH			
	STTCR/L1616H11	16	16	100	16	13	14			
	STTCR/L1616H16	16	16	100	16	13	19			
	STTCR/L2020K16	20	20	125	20	17	19			

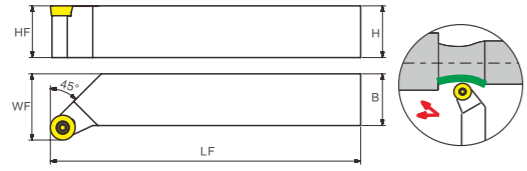


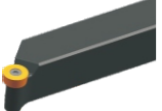
SWACR/L	Type	Dimension						Adaptable Inserts	Screw	Wrench
		H	B	LF	HF	WF	LH			
	SWACR/L1010E04	10	10	70	10	10.5	10			
	SWACR/L1212F04	12	12	80	12	12.5	14			
	SWACR/L1616H06	16	16	100	16	16.5	20			
	SWACR/L2020K08	20	20	125	20	20.5	24			

# S Type External Turning Tool Holder

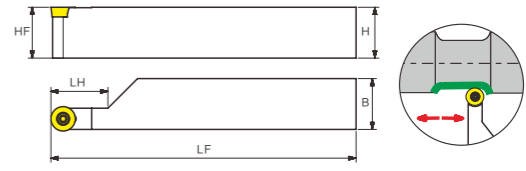



SRDCN	Type	Dimension						Adaptable Inserts	Screw	Wrench	Shim	Shim Screw	Shim Wrench
		H	B	LF	HF	WF	LH						
	SRDCN2020K06	20	20	125	20	10	11	RC□T0602□□	L60M2.5×5	T08	—	—	—
	SRDCN2525M06	25	25	150	25	12.5	11	RC□T0602□□	L60M2.5×5	T08	—	—	—
	SRDCN2020K08	20	20	125	20	10	16	RC□T0803□□	L60M3×7	T09	—	—	—
	SRDCN2525M08	25	25	150	25	12.5	16	RC□T0803□□	L60M3×7	T09	—	—	—
	SRDCN2020K10	20	20	125	20	10	25	RC□T10T3□□	L60M3.5×10	T15	—	—	—
	SRDCN2525M10	25	25	150	25	12.5	25	RC□T10T3□□	L60M3.5×10	T15	—	—	—
	SRDCN2020K12	20	20	125	20	10	35	RC□T1204□□	L60M3.5×12	T15	—	—	—
	SRDCN2525M12	25	25	150	25	12.5	35	RC□T1204□□	L60M3.5×12	T15	—	—	—
	SRDCN3225P12	32	25	170	32	16	35	RC□T1606□□	L60M4×16	T20	R16BS	SM0614	S4
	SRDCN2525M16	25	25	150	25	12.5	35	RC□T1606□□	L60M4×16	T20	R16BS	SM0614	S4
	SRDCN3232P16	32	32	170	32	16	40	RCMX2006	L60M5×16-8.1	T20	R20BS	SM0814	S5
	SRDCN3232P20	32	32	170	32	16	40	RCMX2006	L60M5×16-8.1	T20	R20BS	SM0814	S5
SRDCN4040S20	40	40	250	40	20	40	RCMX2006	L60M5×16-8.1	T20	R20BS	SM0814	S5	



SRGCR/L	Type	Dimension					Adaptable Inserts	Screw	Wrench	Shim	Shim Screw	Shim Wrench
		H	B	LF	HF	WF						
	SRGCR/L2020K10	20	20	125	20	25	RC□T 10T3□□	L60M3.5×10	T15	—	—	—
	SRGCR/L2525M10	25	25	150	25	32	RC□T 10T3□□	L60M3.5×10	T15	—	—	—
	SRGCR/L2020K12	20	20	125	20	27	RC□T 1204□□	L60M3.5×12	T15	—	—	—
	SRGCR/L2525M12	25	25	150	25	32	RC□T 1204□□	L60M3.5×12	T15	—	—	—
	SRGCR/L3225P12	32	25	170	32	32	RC□T 1606□□	L60M4×6	T20	R16BS	Sm0614	S4
	SRGCR/L2525M16	25	25	150	25	32	RC□T 1606□□	L60M4×6	T20	R16BS	Sm0614	S4
	SRGCR/L3232P16	32	32	170	32	40	RCMX2006	L60M5×16-8.1	T20	R20BS	SM0814	S5
	SRGCR/L3232P20	32	32	170	32	40	RCMX2006	L60M5×16-8.1	T20	R20BS	SM0814	S5
SRGCR/L4040S20	40	40	250	40	48	RCMX2006	L60M5×16-8.1	T20	R20BS	SM0814	S5	

# S Type External Turning Tool Holder



SRACR/L	Type	Dimension					Adaptable Inserts	Screw	Wrench	Shim	Shim Screw	Shim Wrench
		H	B	LF	HF	LH						
	SRACR/L2020K06	20	20	125	20	15	RC□T 0602□□	L60M2.5×5	T08	—	—	—
	SRACR/L2525M06	25	25	150	25	23	RC□T 0602□□	L60M2.5×5	T08	—	—	—
	SRACR/L2020K08	20	20	125	20	18	RC□T 0803□□	L60M3×7	T09	—	—	—
	SRACR/L2525M08	25	25	150	25	23	RC□T 0803□□	L60M3×7	T09	—	—	—
	SRACR/L2020K10	20	20	125	20	20	RC□T 10T3□□	L60M3.5×10	T15	—	—	—
	SRACR/L2525M10	25	25	150	25	25	RC□T 10T3□□	L60M3.5×10	T15	—	—	—
	SRACR/L2020K12	20	20	125	20	28	RC□T 1204□□	L60M3.5×12	T15	—	—	—
	SRACR/L2525M12	25	25	150	25	28	RC□T 1204□□	L60M3.5×12	T15	—	—	—
	SRACR/L3225P12	32	25	170	32	28	RC□T 1606□□	L60M4×16	T15	R16BS	SM0614	S4
	SRACR/L2525M16	25	25	150	25	35	RC□T 1606□□	L60M4×16	T15	R16BS	SM0614	S4
	SRACR/L3232P16	32	32	170	32	40	RCMX2006	L60M5×16-8.1	T20	R20BS	SM0814	S5
	SRACR/L3232P20	32	32	170	32	40	RCMX2006	L60M5×16-8.1	T20	R20BS	SM0814	S5
SRACR/L4040S20	40	40	250	40	55	RCMX2006	L60M5×16-8.1	T20	R20BS	SM0814	S5	

# Internal Turning Tool Holder Naming Rule

## Tool Holder Type

**S** 25 R - P C L N R 09

代号 Symbol	A	E	C	S	X	
Type of shank	Steel shank+oil cooling hole	Carbide shank+oil cooling hole	Carbide shank	Steel shank	Special insert application	

## Tool Holder Diameter

S **25** R - P C L N R 09

Tool holder diameter

## Tool Length

S 25 **R** - P C L N R 09

H	K	M	N	Q	R	S	T	U	V
100	125	150	160	180	200	250	300	350	400

## Clamping System

S 25 R - **P** C L N R 09

M	P	S
Top and hole clamping	hole clamping	Screw on

## Insert Shape

S 25 R - P **C** L N R 09

C	R	T	W	D	S	V

# Internal Turning Tool Holder Naming Rule

## Tool Holder Style and Leading Angle

S 25 R - P C **L** N R 09

P	U	K	L	F

## Clearance Angle

S 25 R - P C L **N** R 09

B	C	P	N

## Cutting Direction

S 25 R - P C L N **R** 09

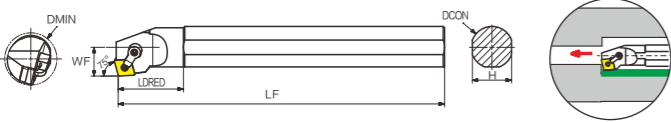
R	L

## Cutting Edge Length

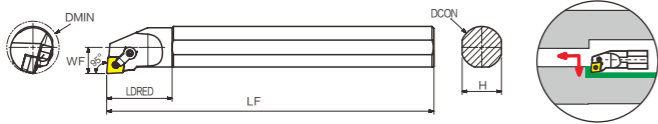
S 25 R - P C L N R **09**

D	T	C	S	V

# M Type Internal Turning Tool Holder

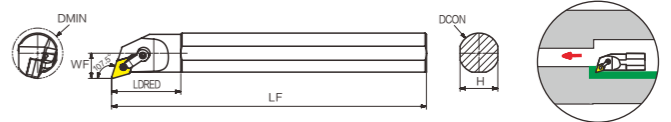


MCKNR/L	Type	Dimension						Adaptable Inserts	Shim	Clamping Stud	Clamp	Clamping Screw	Wrench
		DMIN	DCON	H	LF	WF	LDRED						
	S20Q-MCKNR/L12	26	20	18	180	14	35						
	S25R-MCKNR/L12	32	25	23	200	16.5	35						
	S32S-MCKNR/L12	40	32	30	250	22	50						
	S40T-MCKNR/L12	50	40	38	300	26	55						
	S50U-MCKNR/L12	60	50	48	350	30	60						
							CN□□1204□□						
									MC1204	MSP617	MCL1814	WS061025	S3

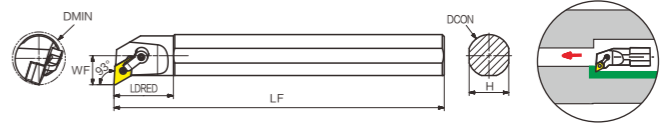


MCLNR/L	Type	Dimension						Adaptable Inserts	Shim	Clamping Stud	Clamp	Clamping Screw	Wrench
		Dmin	DCON	H	LF	WF	LDRED						
	S20Q-MCLNR/L12	26	20	18	180	13	40						
	S25R-MCLNR/L12	32	25	23	200	16	40						
	S32S-MCLNR/L12	40	32	30	250	20	50						
	S40T-MCLNR/L12	50	40	37	300	26	55						
	S50U-MCLNR/L12	60	50	46	350	31	70						
							CN□□1204□□						
									MC1204	MSP617	MCL1814	WS061025	S3

# M Type Internal Turning Tool Holder

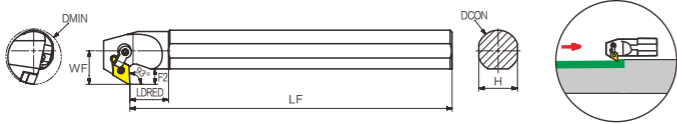















MDQNR/L	Type	Dimension						Adaptable Inserts	Shim	Clamping Stud	Clamp	Clamping Screw	Wrench
		DMIN	DCON	H	LF	WF	LDRED						
	S20Q-MDQNR/L1504	26	20	18	180	13	40						
	S25R-MDQNR/L1504	32	25	23	200	17	45						
	S32S-MDQNR/L1504	40	32	30	250	20	55						
	S40T-MDQNR/L1504	50	40	38	300	24	55						
	S32S-MDQNR/L1506	40	32	30	250	20	55						
	S40T-MDQNR/L1506	50	40	38	300	24	55						
							DN□□1504□□						
									MD1504	MSP617	MCL2114	WS061025	S3
										MSP619			

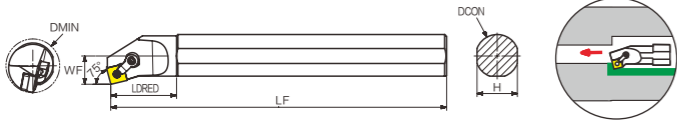









MDUNR/L	Type	Dimension						Adaptable Inserts	Shim	Clamping Stud	Clamp	Clamping Screw	Wrench
		DMIN	DCON	H	LF	WF	LDRED						
	S20Q-MDUNR/L1504	28	20	18	180	17	40						
	S25R-MDUNR/L1504	32	25	24	200	19	40						
	S32S-MDUNR/L1504	40	32	30	250	22	45						
	S40T-MDUNR/L1504	50	40	37	300	26	55						
	S32S-MDUNR/L1506	40	32	30	250	22	45						
	S40T-MDUNR/L1506	50	40	37	300	26	55						
							DN□□1504□□						
									MD1504	MSP617	MCL2114	WS061025	S3
										MSP619			

# M Type Internal Turning Tool Holder

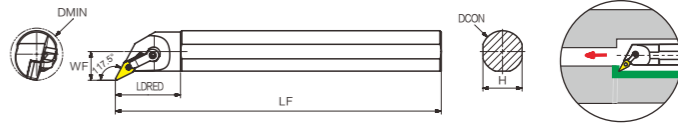









MDZNR/L	Type	Dimension								Adaptable Inserts	Shim	Clamping Stud	Clamp	Clamping Screw	Wrench										
		DMIN	DCON	H	LF	WF	LDRED	F2																	
	S25R-MDZNR/L1504	36	25	23	200	22	35	11							S2.5 S3										
	S32S-MDZNR/L1504	43	32	30	250	26	40	12							DN□□1504□□	X	MSP613	MCL1814	WS061025	S3					
	S40T-MDZNR/L1504	50	40	37	300	29	50	11.5																	
	S32S-MDZNR/L1506	43	32	30	250	26	40	12										MD1504	MSP617	MCL1814				WS061025	S3
	S40T-MDZNR/L1506	50	40	37	300	29	50	11.5										MSP619	MCL1814						

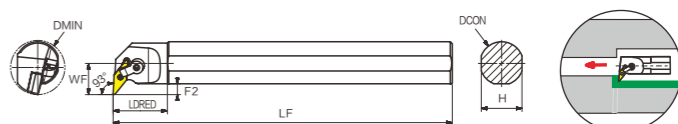









MSKNR/L	Type	Dimension								Adaptable Inserts	Shim	Clamping Stud	Clamp	Clamping Screw	Wrench					
		DMIN	DCON	H	LF	WF	θ°	LDRED	F2											
	S20Q-MSKNR/L12	26	20	18	180	13	15°	31							S2.5 S3					
	S25R-MSKNR/L12	32	25	23	200	17	12°	35								X	MSP613	MCL1810	WS061020	
	S32S-MSKNR/L12	40	32	30	250	22	17°	40							SN□□1204□□	MS1204	MSP617	MCL1814	WS061025	S2.5 S3
	S40T-MSKNR/L12	50	40	37	300	27	15°	50												

# M Type Internal Turning Tool Holder

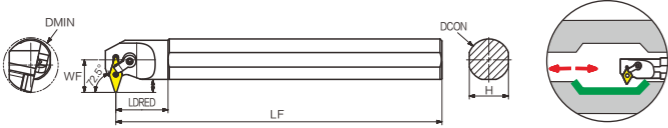


MVQNR/L	Type	Dimension								Adaptable Inserts	Shim	Clamping Stud	Clamp	Clamping Screw	Wrench				
		DMIN	DCON	H	LF	WF	θ°	LDRED	F2										
	S25R-MVQNR/L16	32	25	23	200	17	12°	40							X	MSP510	MCL1814	WS061025	S2 S3
	S32S-MVQNR/L16	42	32	30	250	22	17°	40							VN□□1604□□	MV1603	MSP513		
	S40T-MVQNR/L16	50	40	37	300	27	15°	50											



MVUNR/L	Type	Dimension								Adaptable Inserts	Shim	Clamping Stud	Clamp	Clamping Screw	Wrench				
		DMIN	DCON	H	LF	WF	LDRED	F2											
	S25R-MVUNR/L16	36	25	23	200	20	40	8							X	MSP510	MCL1814	WS061025	S2 S3
	S32S-MVUNR/L16	42	32	30	250	23	40	8							VN□□1604□□	MV1603			
	S40T-MVUNR/L16	50	40	37	300	27	55	10											

# M Type Internal Turning Tool Holder

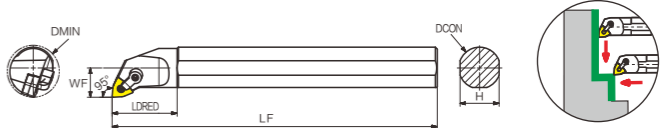


MVWNR/L	Type	Dimension								Adaptable Inserts	Shim	Clamping Stud	Clamp	Clamping Screw	Wrench
		DMIN	DCON	H	LF	WF	LDRED	F2							
	S25R-MVWNR/L16	36	25	23	200	22	35	10	VN□□1604□□	X	MSP510	MCL1814	WS061025	S2 S3	
	S32S-MVWNR/L16	48	32	30	250	25	40	10							
	S40T-MVWNR/L16	56	40	37	300	29	45	11							

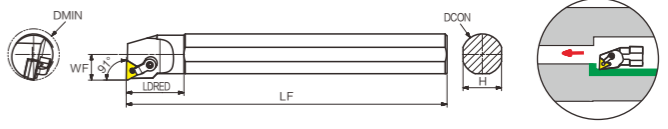


MVXNR/L	Type	Dimension								Adaptable Inserts	Shim	Clamping Stud	Clamp	Clamping Screw	Wrench
		DMIN	DCON	H	LF	WF	LDRED								
	S25R-MVXNR/L16	32	25	23	200	17	55	VN□□1604□□	X	MSP510	MCL2414	WS061025	S2 S3		
	S32S-MVXNR/L16	42	32	30	250	21	60								
	S40T-MVXNR/L16	50	40	38	300	25	68								

# M Type Internal Turning Tool Holder

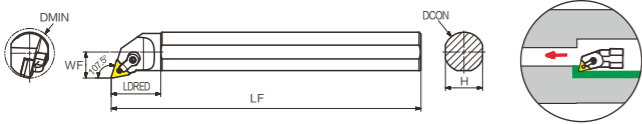




MWLNR/L	Type	Dimension								Adaptable Inserts	Shim	Clamping Stud	Clamp	Clamping Screw	Wrench
		DMIN	DCON	H	LF	WF	LDRED								
	S20Q-MWLNR/L08	25	20	18	180	14.5	36	WN□□0804□□	X	MSP613	MCL1810	WS061020	S2.5 S3		
	S25R-MWLNR/L08	32	25	23	200	17	40								
	S32S-MWLNR/L08	41	32	30	250	22	50								
	S40T-MWLNR/L08	50	40	37	300	27	55								





MTFNR/L	Type	Dimension								Adaptable Inserts	Shim	Clamping Stud	Clamp	Clamping Screw	Wrench
		DMIN	DCON	H	LF	WF	LDRED								
	S20Q-MTFNR/L16	25	20	18	180	13	35	TN□□1604□□	X	MSP510	MCL1810	WS061020	S2 S3		
	S25R-MTFNR/L16	32	25	23	200	16	40								
	S32S-MTFNR/L16	40	32	30	250	20	45								
	S40T-MTFNR/L16	50	40	37	300	25	50								

# M Type Internal Turning Tool Holder





MTQNR/L	Type	Dimension						Adaptable Inserts	Shim	Clamping Stud	Clamp	Clamping Screw	Wrench
		DMIN	DCON	H	LF	WF	LDRED						
 107.5°	S20Q-MTQNR/L16	25	20	18	180	14	35	 TN□□1604□□	X	MSP510	MCL1810	WS061020	S2 S3
	S25R-MTQNR/L16	32	25	23	200	18	35				MCL1814	WS061025	
	S32S-MTQNR/L16	40	32	30	250	21	40		MT1603	MSP513			
	S40T-MTQNR/L16	50	40	37	300	25	50						





MTJNR/L	Type	Dimension						Adaptable Inserts	Shim	Clamping Stud	Clamp	Clamping Screw	Wrench
		DMIN	DCON	H	LF	WF	LDRED						
 93°	S25R-MTJNR/L16	32	25	23	200	15	40	 TN□□1604□□	X	MSP510			S2 S3
	S32S-MTJNR/L16	40	32	30	250	18	45						
	S40T-MTJNR/L16	50	40	37	300	24	55						

# M Type Internal Turning Tool Holder






















MTUNR/L	Type	Dimension						Adaptable Inserts	Shim	Clamping Stud	Clamp	Clamping Screw	Wrench
		DMIN	DCON	H	LF	WF	LDRED						
 93°	S20Q-MTUNR/L16	25	20	18	180	13	31	 TN□□1604□□	X	MSP510	MCL1810	WS061020	S2 S3
	S25R-MTUNR/L16	32	25	23	200	17	35				MCL1814	WS061025	
	S32S-MTUNR/L16	40	32	30	250	22	40		MT1603	MSP513			
	S40T-MTUNR/L16	50	40	37	300	23	50						

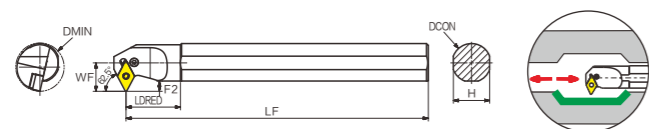















MTWNR/L	Type	Dimension						Adaptable Inserts	Shim	Clamping Stud	Clamp	Clamping Screw	Wrench
		DMIN	DCON	H	LF	WF	LDRED						
 60°	S20Q-MTWNR/L16	27	20	18	180	15	31	 TN□□1604□□	X	MSP510	MCL1810	WS061020	S2 S3
	S25R-MTWNR/L16	32	25	23	200	17	35				MCL1814	WS061025	
	S32S-MTWNR/L16	40	32	30	250	22	42		MT1603	MSP513			
	S40T-MTWNR/L16	50	40	38	300	27	50						

# P Type Internal Turning Tool Holder






















PCLNR/L	Type	Dimension							Adaptable Inserts	Screw	Shim	Wrench	Lever	Shim Pin						
		DMIN	DCON	H	LF	WF	θ°	LDRED												
	S16Q-PCLNR/L09	20	16	15	180	10	-12°	30												
	S20Q-PCLNR/L09	25	20	18	180	12	-11°	30							CN□□0903□□	VHX0509	—	S2	LV3C	—
	S25R-PCLNR/L09	32	25	23	200	15	-10°	35												
		S20Q-PCLNR/L12	25	20	18	180	13	-11°	35											
	S25R-PCLNR/L12	32	25	23	200	15	12°	40	VHX0613							—	S2.5	LV4A	—	
	S32S-PCLNR/L12	44	32	30	250	22	-10°	50	CN□□1204□□											
		S40T-PCLNR/L12	54	40	37	300	24	-10°	55											
	S50U-PCLNR/L12	63	50	47	350	27	-10°	58	VHX0821							PC12318	S3	LV4	SP4	
	S50U-PCLNR/L19	63	50	47	350	32	-10°	70	CN□□1906□□							VHX1027	PC19476	S4	LV6	SP6

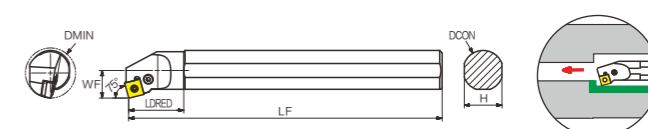









PDSNR/L	Type	Dimension							Adaptable Inserts	Screw	Shim	Wrench	Lever	Shim Pin	
		DMIN	DCON	H	LF	WF	LDRED	F2							
	S32S-PDSNR/L15	40	32	30	250	23.5	45	9							
	S40T-PDSNR/L15	50	40	37	300	28.5	43	11							DN□□1506□□
		S32S-PDSNR/L15-3	40	32	30	250	23.5	45	9						
	S40T-PDSNR/L15-3	50	40	37	300	28.5	43	11	DN□□1504□□						

# P Type Internal Turning Tool Holder

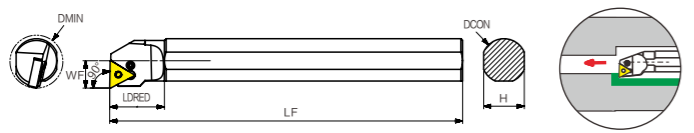


PDUNR/L	Type	Dimension							Adaptable Inserts	Screw	Shim	Wrench	Lever	Shim Pin						
		DMIN	DCON	H	LF	WF	θ°	LDRED												
	S20Q-PDUNR/L11	25	20	18	180	13	-16°	30												
	S25R-PDUNR/L11	32	25	23	200	17	-13°	35							DN□□1104□□	VHX0512	—	S2	LV3D	—
	S32S-PDUNR/L11	40	32	30	250	22	-16°	40								VHX0617	PD11270	S2.5	LV3	SP3
		S32S-PDUNR/L15	40	32	30	250	22	-16°	50											
	S40T-PDUNR/L15	50	40	37	300	27	-11°	50	DN□□1506□□							VHX0821	PD15318	S3	LV4B	SP4
	S32S-PDUNR/L15-3	40	32	30	250	22	-16°	50												
	S40T-PDUNR/L15-3	50	40	37	300	27	-11°	50		DN□□1504□□	VHX0821	PD15318	S3	LV4	SP4					



PSKNR/L	Type	Dimension							Adaptable Inserts	Screw	Shim	Wrench	Lever	Shim Pin
		DMIN	DCON	H	LF	WF	θ°	LDRED						
	S25R-PSKNR/L12	32	25	23	200	17	-12°	42						
	S32S-PSKNR/L12	44	32	30	250	22	-10°	45						
		S40T-PSKNR/L12	54	40	37	300	27	-10°	50		VHX0821	PS12318	S3	LV4

# P Type Internal Turning Tool Holder

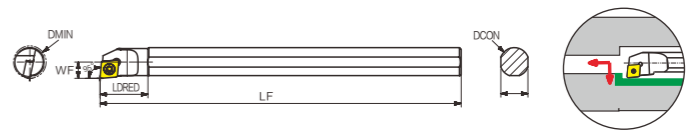


PTFNR/L	Type	Dimension						Adaptable Inserts	Screw	Shim	Wrench	Lever	Cushion Block
		DMIN	DCON	H	LF	WF	LDRED						
	S16Q-PTFNR/L11	20	16	15	180	11	28		VHX0509	—	S2	LV2	—
	S20Q-PTFNR/L11	25	20	18	180	13	31						
	S25R-PTFNR/L11	32	25	23	200	17	35		VHX0512	—	S2	LV3B	—
	S25R-PTFNR/L16	32	25	23	200	17	42						
	S32S-PTFNR/L16	44	32	30	250	22	50						
	S40T-PTFNR/L16	54	40	37	300	27	55						
								VHX0613	PT16476	S2.5	LV3	SP3	

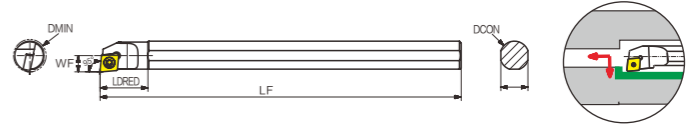


PWLNR/L	Type	Dimension							Adaptable Inserts	Screw	Shim	Wrench	Lever	Cushion Block
		DMIN	DCON	H	LF	WF	θ°	LDRED						
	S16Q-PWLNR/L06	20	16	15	180	11	-13°	25		VHX0512	—	S2	LV3B	—
	S20Q-PWLNR/L06	25	20	18	180	13	-13°	32						
	S25R-PWLNR/L06	32	25	23	200	17	-13°	35						
	S20Q-PWLNR/L08	25	20	18	180	13	-13°	32		VHX0613	—	S2.5	LV4A	—
	S25R-PWLNR/L08	32	25	23	200	17	-13°	45						
	S32S-PWLNR/L08	40	32	30	250	22	-13°	50						
S40T-PWLNR/L08	50	40	42	300	30	-13°	55							
								VHX0821	PW08318	S3	LV4A	SP4		

# S Type Internal Turning Tool Holder

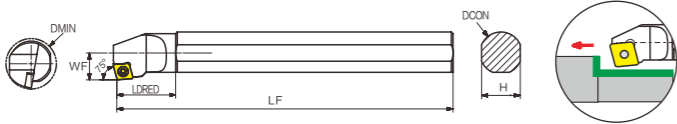









SCLCR/L	Type	Dimension						Adaptable Inserts	Screw	Wrench
		DMIN	DCON	H	LF	WF	LDRED			
	S07K-SCLCR/L06	9	7	6	125	4.6	15		L60M2.5×5	T08
	S08K-SCLCR/L06	10	8	7	125	4.5	14			
	S10K-SCLCR/L06	12	10	9	125	6	17			
	S12M-SCLCR/L06	16	12	11	150	7	17			
	S12M-SCLCR/L09	16	12	11	150	8	25		L60M4×8	T15
	S16Q-SCLCR/L09	20	16	15	180	9	27			
	S20Q-SCLCR/L09	25	20	18	180	11	28			
	S25R-SCLCR/L09	32	25	23	200	14	35			
	S25R-SCLCR/L12	32	25	23	250	17	34		L60M5×12	T20
	S32S-SCLCR/L12	36	32	30	250	18	45			
S40T-SCLCR/L12	50	40	37	300	27	60				










SCLCR/L-H	Type	Dimension							Adaptable Inserts	Screw	Wrench
		DMIN	DCON	H	LF	WF	θ°	LDRED			
	S08K-SCLCR/L06H09	9	8	7	125	4.3	-15°	15		L60M2.5×5	T08
	S10K-SCLCR/L06H09	11	10	9	125	5.5	-15°	16			
	S12M-SCLCR/L06H09	13	12	11	150	6.5	-10°	17			
	S16Q-SCLCR/L09H09	17	16	15	180	8.5	-12°	27			
										L60M4×8	T15

# S Type Internal Turning Tool Holder

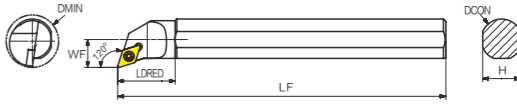









SCKCR/L	Type	Dimension							Adaptable Inserts	Screw	Wrench
		DMIN	DCON	H	LF	WF	θ°	LDRED			
	S08K-SCKCR/L06	10	8	7.5	125	5.5	13°	15			
	S10K-SCKCR/L06	13	10	9	125	7	12°	15			
	S12M-SCKCR/L06	16	12	11	150	8	10°	20			
	S12M-SCKCR/L09	16	12	11	150	8	12°	20			
	S16Q-SCKCR/L09	20	16	15	160	10	10°	25			
	S20Q-SCKCR/L09	24	20	19	180	13	8°	30			
	S25R-SCKCR/L09	31	26	24	200	16	8°	35			










SDQCR/L	Type	Dimension							Adaptable Inserts	Screw	Wrench
		DMIN	DCON	H	LF	WF	θ°	LDRED			
	S08K-SDQCR/L07	10	8	7	125	6	-8°				
	S10K-SDQCR/L07	13	10	9	150	7	-8°	20			
	S12M-SDQCR/L07	16	12	11	150	9	-8°	22			
	S16Q-SDQCR/L07	20	16	15	180	11	-6°	27			
	S20Q-SDQCR/L11	25	20	18	180	13	-6°	35			
	S25R-SDQCR/L11	32	26	23	200	17	-6°	38			

# S Type Internal Turning Tool Holder

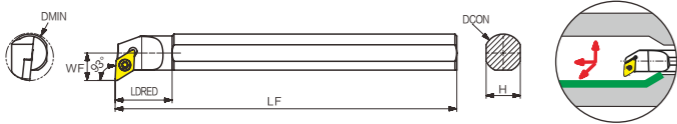


SDXCR	Type	Dimension							Adaptable Inserts	Screw	Wrench
		DMIN	DCON	H	LF	WF	θ°	LDRED			
	S10K-SDXCR/07	13	10	9	125	7	-8°	18			
	S12M-SDXCR/07	16	12	11	150	8	-8°	20			
	S16Q-SDXCR/07	20	16	15	180	10	-6°	25			
	S20Q-SDXCR/11	25	20	18	180	13	-6°	33			
	S25R-SDXCR/11	32	25	23	200	16	-6°	32			

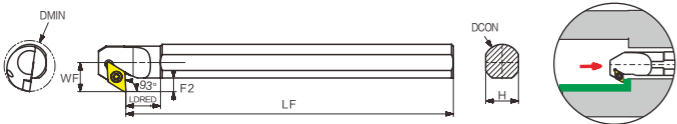


SDWCR/L	Type	Dimension								Adaptable Inserts	Screw	Wrench
		DMIN	DCON	H	LF	WF	θ°	LDRED	F2			
	S12M-SDWCR/L07	19	12	11	125	11	-8°	15	5.5			
	S16Q-SDWCR/L07	23	16	15	180	12.5	-8°	15	5			
	S20Q-SDWCR/L07	27	20	19	180	14.5	-8°	22	5.5			
	S20Q-SDWCR/L11	27	20	19	180	14.5	-6°	25	6			
	S25R-SDWCR/L11	32	25	24	200	18	-6°	25	7			
	S32S-SDWCR/L11	40	32	30	250	21.5	-6°	40	6.5			

# S Type Internal Turning Tool Holder

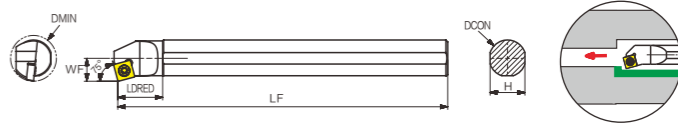


SDUCR/L	Type	Dimension									Adaptable Inserts	Screw	Wrench
		DMIN	DCON	H	LF	WF	θ°	LDRED	F2				
	S08K-SDUCR/L07	13	8	7.5	125	8	-8°		4				
	S10K-SDUCR/L07	13	10	9	125	7.7	-8°		3				
	S12M-SDUCR/L07	16	12	11	150	8.5	-8°		3				
	S16Q-SDUCR/L07	20	16	15	180	11	-6°		3.5				
	S20Q-SDUCR/L11	25	20	18	180	14.5	-6°		5.5				
	S25R-SDUCR/L11	32	25	23	200	18.5	-6°		7				

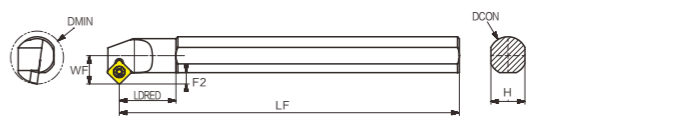


SDZCR/L	Type	Dimension									Adaptable Inserts	Screw	Wrench
		DMIN	DCON	H	LF	WF	θ°	LDRED	F2				
	S20Q-SDZCR/L11	27	20	18	180	15	-6°		7.5				
	S25R-SDZCR/L11	33	25	23	200	17	-6°		7.5				
	S32S-SDZCR/L11	40	32	30	250	22	-6°		8.4				
	S40T-SDZCR/L11	50	40	37	300	27	-4°		9.4				

# S Type Internal Turning Tool Holder

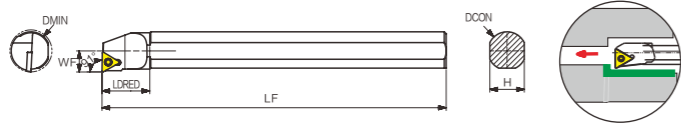


SSKCR/L	Type	Dimension								Adaptable Inserts	Screw	Wrench
		DMIN	DCON	H	LF	WF	θ°	LDRED				
	S12M-SSKCR/L09	16	12	11	150	9	-10°		25			
	S16Q-SSKCR/L09	20	16	15	180	11	-11°		30			
	S20Q-SSKCR/L09	25	20	18	180	13	-6°		35			
	S25R-SSKCR/L09	32	25	23	200	17	-8°		40			
	S25R-SSKCR/L12	32	25	23	200	17	-8°		40			
	S32S-SSKCR/L12	40	32	30	250	22	-10°		45			

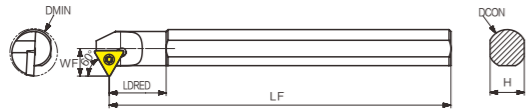


SSSCR/L	Type	Dimension									Adaptable Inserts	Screw	Wrench
		DMIN	DCON	H	LF	WF	θ°	LDRED	F2				
	S12M-SSSCR/L09	17	12	11	150	10	-10°		4.5				
	S16Q-SSSCR/L09	22	16	15	180	13	-11°		5.5				
	S20Q-SSSCR/L09	25	20	18	180	15	-6°		6				
	S25R-SSSCR/L09	32	25	23	200	17	-8°		5.5				
	S25R-SSSCR/L12	32	25	23	200	17	-8°		5.5				
	S32S-SSSCR/L12	40	32	30	250	22	-10°		7				

# S Type Internal Turning Tool Holder

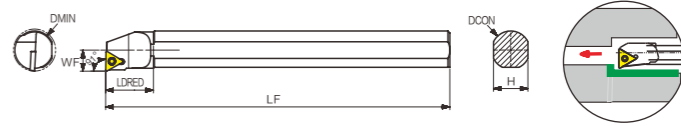


STFCR/L	Type	Dimension						Adaptable Inserts	Screw	Wrench
		DMIN	DCON	H	LF	WF	LDRED			
	S08K-STFCR/L09	10	8	7	125	5.5	8	TC□T0902□□	L60M2.5×5	T08
	S10K-STFCR/L09	12	10	9	125	6.8	10			
	S12M-STFCR/L09	16	12	11	150	8	10			
	S12M-STFCR/L11	14	12	11	150	6.5	25	TC□T1102□□	L60M2.5×5	T08
	S16Q-STFCR/L11	18	16	15	180	9	25			
	S20Q-STFCR/L11	25	20	18	180	11	25			
	S25R-STFCR/L16	32	25	23	200	17	40	TC□T16T3□□	L60M4×8	T15
	S32S-STFCR/L16	36	32	30	250	18	50			
S40T-STFCR/L16	50	40	37	300	25	60				

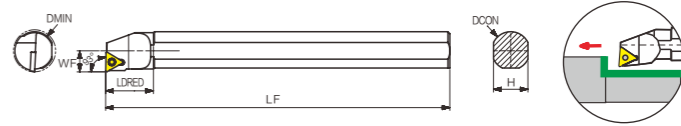


STWCR/L	Type	Dimension						Adaptable Inserts	Screw	Wrench	
		DMIN	DCON	H	LF	WF	θ°				LDRED
	S10K-STWCR/L11	14	10	9	125	8	-10°	14	TC□T1102□□	L60M2.5×5	T08
	S12M-STWCR/L11	16	12	11	150	9	-13°	25			
	S16Q-STWCR/L11	20	16	15	180	11	-10°	30			
	S20Q-STWCR/L11	25	20	19	180	13	-6°	30	TC□T16T3□□	L60M4×8	T15
	S25R-STWCR/L11	32	25	24	200	17	-6°	35			
	S20Q-STWCR/L16	25	20	19	180	14.5	-3°	36			
	S25R-STWCR/L16	32	25	24	200	17	-6°	49	TC□T16T3□□	L60M4×8	T15
	S32S-STWCR/L16	39	32	30	250	22	-10°	50			
S40T-STWCR/L16	50	40	38	300	25	-8°	50				

# S Type Internal Turning Tool Holder

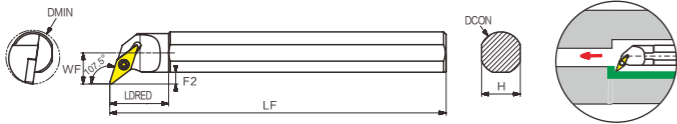


STFPR/L	Type	Dimension						Adaptable Inserts	Screw	Wrench	
		DMIN	DCON	H	LF	WF	θ°				LDRED
	S08K-STFPR/L09	10	08	7	125	5	-10°	14	TP□T0902□□	L60M2.5×5	T08
	S10K-STFPR/L11H11	11	10	9	125	5.5	-13°				
	S12M-STFPR/L11H13	13	12	11	150	6.8	-10°		TP□T1103□□	L60M2.5×5	T08
	S16Q-STFPR/L11H17	17	16	15	180	8.8	-6°				

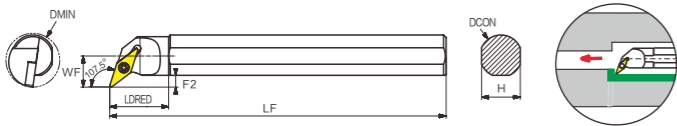


STUCR/L	Type	Dimension						Adaptable Inserts	Screw	Wrench	
		DMIN	DCON	H	LF	WF	θ°				LDRED
	S08K-STUCR/L09	11	08	7	125	5.5	-15°		TC□T0902□□	L60M2.2×6	T06
	S08K-STUCR/L09-A16	11	16	15	125	5.5	-15°	24			
	S10K-STUCR/L09	13	10	9	125	6	-13°	10			
	S10K-STUCR/L09-A16	13	16	15	125	7	-13°	30	TC□T1102□□	L60M2.5×5	T08
	S10K-STUCR/L11	13	10	9	125	7	-12°	10			
	S10K-STUCR/L11-A16	16	16	15	125	7	-12°	30			
	S12M-STUCR/L11	16	12	11	150	7	-10°	25	TC□T1102□□	L60M2.5×5	T08
	S12M-STUCR/L11-A16	16	16	15	150	7	-10°	30			
	S16Q-STUCR/L11	20	16	15	160	9	-8°	25			
	S20Q-STUCR/L11	25	20	19	180	11	-6°	25	TC□T16T3□□	L60M4×8	T15
	S25R-STUCR/L11	31	25	24	200	15	-4°	34			
	S20Q-STUCR/L16	25	20	19	180	13	-8°	36			
S25R-STUCR/L16	31	25	24	200	17	-6°	40	TC□T16T3□□	L60M4×8	T15	
S32S-STUCR/L16	39	32	30	250	18	-4°	50				
S40T-STUCR/L16	50	40	38	300	25	-2°	60				

# S Type Internal Turning Tool Holder

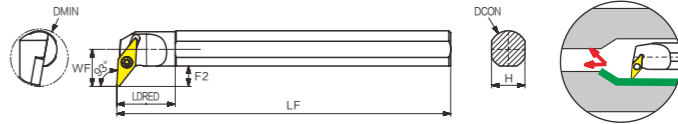


SVQCR/L	Type	Dimension									Adaptable Inserts	Screw	Wrench
		DMIN	DCON	H	LF	WF	θ°	LDRED	F2				
	S20Q-SVQCR/L16	27	20	18	180	15	-8°	40	6.0	VC□T1604□□	L60M4 × 8	T15	
	S25S-SVQCR/L16	32	25	23	200	18.5	-8°	45	6.9				
	S32S-SVQCR/L16	40	32	30	250	22	-8°	56	8.4				
	S40T-SVQCR/L16	50	40	37	300	27	-8°	64	9.4				

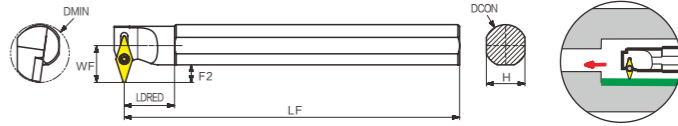


SVQBR/L	Type	Dimension									Adaptable Inserts	Screw	Wrench
		DMIN	DCON	H	LF	WF	θ°	LDRED	F2				
	S20Q-SVQBR/L16	27	20	18	180	15	-8°	40	6.0	VB□T1604□□	L60M4 × 8	T15	
	S25S-SVQBR/L16	32	25	23	200	18.5	-8°	45	6.9				
	S32S-SVQBR/L16	40	32	30	250	22	-8°	56	8.4				
	S40T-SVQBR/L16	50	40	37	300	27	-8°	64	9.4				

# S Type Internal Turning Tool Holder

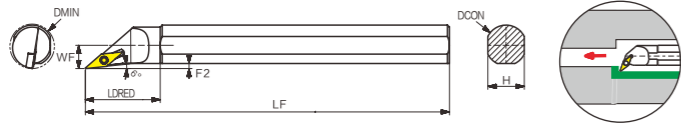


SVUCR/L	Type	Dimension								Adaptable Inserts	Screw	Wrench
		DMIN	DCON	H	LF	WF	LDRED	F2				
	S16Q-SVUCR/L11	22	16	15	180	13.5	24	6	VC□T1103□□	L60M2.5 × 5	T08	
	S20Q-SVUCR/L16	31	20	19	180	19	32	9.5	VC□T1604□□	L60M4 × 8	T15	
	S25R-SVUCR/L16	35	25	23	180	20	32	8.4				
	S32S-SVUCR/L16	42	32	30	250	22	49	8.4				
	S40T-SVUCR/L16	51	40	37	300	27	49	11				



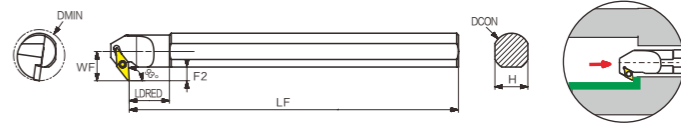
SVWCR/L	Type	Dimension								Adaptable Inserts	Screw	Wrench
		DMIN	DCON	H	LF	WF	LDRED	F2				
	S16Q-SVWCR/L11	25	16	15	180	14	25	6.9	VC□T1103□□	L60M2.5 × 5	T08	
	S20Q-SVWCR/L16	32	20	18	180	22	25	12.9	VC□T1604□□	L60M4 × 8	T15	
	S25R-SVWCR/L16	36	25	23	200	22	30	10				
	S32S-SVWCR/L16	45	32	30	250	27	42	12.2				
	S40T-SVWCR/L16	55	40	37	300	30	50	11				

# S Type Internal Turning Tool Holder



SVXCR/L	Type	Dimension							Adaptable Inserts	Screw	Wrench
		DMIN	DCON	H	LF	WF	LDRED	F2			
	S16Q-SVXCR/L11	20	16	15	180	9.5	35	2	VC□T1103□□	L60M2.5 × 5	T08
	S20Q-SVXCR/L16	25	20	18	180	13	40	4			
	S25R-SVXCR/L16	32	25	23	180	14.5	40	3	VC□T1604□□	L60M4 × 8	T15
	S32S-SVXCR/L16	40	32	30	250	21	62	6			
	S40T-SVXCR/L16	50	40	37	300	24	62	5.5			

# S Type Internal Turning Tool Holder



SVZCR/L	Type	Dimension							Adaptable Inserts	Screw	Wrench
		DMIN	DCON	H	LF	WF	LDRED	F2			
93° 	S16Q-SVZCR/L11	22	16	15	180	13.5	15	6.5	VC□T1103□□	L60M2.5 × 5	T08
	S20Q-SVZCR/L11	28	20	18	180	16	22	7.5			
	S25R-SVZCR/L16	34	25	23	200	21	30	10	VC□T1604□□	L60M4 × 8	T15
	S32S-SVZCR/L16	42	32	30	250	23	35	9			
	S40T-SVZCR/L16	50	40	37	300	29	40	11			

# Parting and Grooving Holder Naming Rule

## External and End Face Parting and Grooving Cutting Tools

**Q F G D 25 25 R 22 52 H**

Q	F	G	D	25	25	R	22	52	H
Application code Q:parting and grooving P:part off	Cutting application E:external cutting F:end face cutting	Positioning slot code	Cutting edge number S:single head D:double heads	Tool body height	Tool body width	Cutting direction R:right L:left N:neutral	Max cutting depth	The minimum diameter for initial end face cutting	End face cutting shank type: H: straight L: bend

## Grooving Tool

**C 32 S - Q G D R 11 - 44**

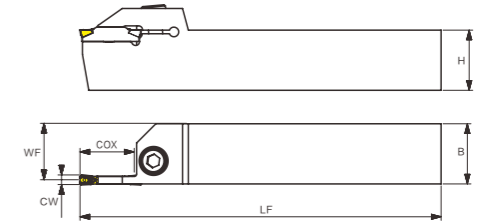
C	32	S	Q	G	D	R	11	44
Clamp type	Holder diameter	Holder length	Application code	Positioning slot code	Cutting edge number	Cutting direction (R:right L:left)	Max cutting depth	Min diameter

## Part off Blade

**P H S 32 32**

P	H	S	32	32
Parting off cutting tools	Parting off tool base	Cutting edges numbers of insert	Blade model code	Blade height

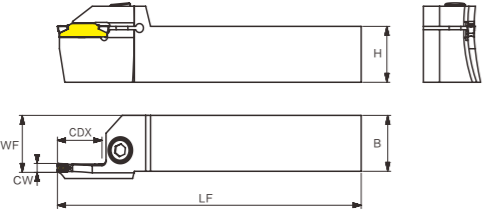
# External and End Face Parting and Grooving Cutting Tools



Type	Dimension					Adaptable Inserts	Screw	Wrench
	HxB	LF	WF	CW	CDX			
QEED	1616R/L10	16x16	100	15	2.5	10	M5 × 20	S4
	1616R/L17	16x16	100	15	2.5	17		
	2020R/L10	20x20	125	19	2.5	10		
	2020R/L17	20x20	125	19	2.5	17		
	2525R/L10	25x25	150	24	2.5	10		
QEFD	1616R/L10	16x16	100	14.8	3	10	M6 × 20	S5
	1616R/L17	16x16	100	14.8	3	17		
	2020R/L10	20x20	125	18.8	3	10		
	2020R/L17	20x20	125	18.8	3	17		
	2525R/L10	25x25	150	23.8	3	10		
QEGD	2020R/L13	20x20	140	18.5	4	13	M6 × 20	S5
	2020R/L22	20x20	140	18.5	4	22		
	2525R/L13	25x25	150	23.5	4	13		
	2525R/L22	25x25	150	23.5	4	22		
	3232R/L13	32x32	170	30.5	4	13		
QEHD	2525R/L13	25x25	150	23	5	13	M6 × 20	S5
	2525R/L22	25x25	150	23	5	22		
QEHS	2525N30	25x25	150	12.5	5	30	M6 × 20	S5
QEHD	3232R/L13	32x32	170	30	5	13		
QEHD	3232R/L22	32x32	170	30	5	22	M6 × 20	S5
	QEHS	3232N30	32x32	170	16	5		
QEKD	2525R/L13	25x25	150	22.6	6	13	M6 × 20	S5
	2525R/L22	25x25	150	22.6	6	22		
QEKS	2525N30	25x25	150	12.5	6	30	M6 × 20	S5
QEKD	3232R/L13	32x32	170	29.6	6	13		
QEKD	3232R/L22	32x32	170	29.6	6	22	M6 × 20	S5
	QEKS	3232N30	32x32	170	16	6		



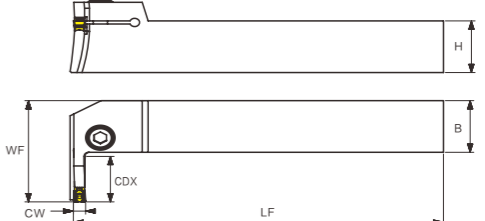
# End Face Grooving and Turning Holders



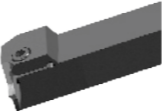
Type	Dimension							Adaptable Inserts	Screw	Wrench
	HxB	LF	WF	CW	CDX	φ D				
QFFD	2525RL10-48H	25x25	150	26	3	10	48-66	QTFD0303-MG	M6 × 20	S5
	2525RL17-48H	25x25	150	26	3	17	48-66	QTFD0303-MG		
	2525RL10-60H	25x25	150	26	3	10	60-80	QTFD0303-MG		
	2525RL17-60H	25x25	150	26	3	17	60-80	QTFD0303-MG		
	2525RL10-74H	25x25	150	26	3	10	74-110	QTFD0303-MG		
	2525RL17-74H	25x25	150	26	3	17	74-110	QTFD0303-MG		
	2525RL10-100H	25x25	150	26	3	10	100-150	QTFD0303-MG		
	2525RL17-100H	25x25	150	26	3	17	100-150	QTFD0303-MG		
QFGD	2525RL13-52H	25x25	150	26	4	13	52-72	QTGD0404-MG		
	2525RL22-52H	25x25	150	26	4	22	52-72	QTGD0404-MG		
	2525RL13-64H	25x25	150	26	4	13	64-100	QTGD0404-MG		
	2525RL22-64H	25x25	150	26	4	22	64-100	QTGD0404-MG		
	2525RL13-90H	25x25	150	26	4	13	90-140	QTGD0404-MG		
	2525RL22-90H	25x25	150	26	4	22	90-140	QTGD0404-MG		
	2525RL13-130H	25x25	150	26	4	13	130-230	QTGD0404-MG		
	2525RL22-130H	25x25	150	26	4	22	130-230	QTHD0404-MG		
QFHD	2525RL13-58H	25x25	150	26	5	13	58-96	QTHD0404-MG		
	2525RL22-58H	25x25	150	26	5	22	58-96	QTHD0404-MG		
	2525RL13-86H	25x25	150	26	5	13	86-140	QTHD0404-MG		
	2525RL22-86H	25x25	150	26	5	22	86-140	QTHD0404-MG		
	2525RL13-130H	25x25	150	26	5	13	130-200	QTHD0404-MG		
	2525RL22-130H	25x25	150	26	5	22	130-200	QTHD0404-MG		
	2525RL13-185H	25x25	150	26	5	13	185-400	QTHD0404-MG		
	2525RL22-185H	25x25	150	26	5	22	185-400	QTHD0404-MG		
QFKD	2525RL30-185H	25x25	150	26	6	30	185-400	QTKD0608-MG		
	2525RL13-60H	25x25	150	26	6	13	60-100	QTKD0608-MG		
	2525RL22-60H	25x25	150	26	6	22	60-100	QTKD0608-MG		
	2525RL13-88H	25x25	150	26	6	13	88-180	QTKD0608-MG		
	2525RL22-88H	25x25	150	26	6	22	88-180	QTKD0608-MG		
	2525RL13-160H	25x25	150	26	6	13	160-400	QTKD0608-MG		
	2525RL22-160H	25x25	150	26	6	22	160-400	QTKD0608-MG		
	2525RL30-160H	25x25	150	26	6	30	160-400	QTKD0608-MG		



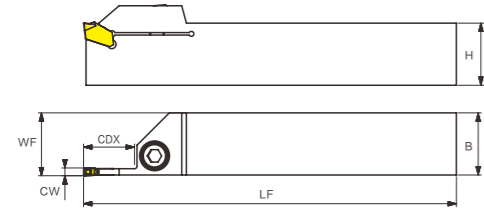
# End Face Grooving and Turning Holders



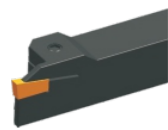
Type	Dimension							Adaptable Inserts	Screw	Wrench
	HxB	LF	WF	CW	CDX	φ D				
QFFD	2525RL10-48L	25x25	150	36.5	3	10	48-66	QTFD0303-MG	M6 × 20	S5
	2525RL17-48L	25x25	150	43.5	3	17	48-66	QTFD0303-MG		
	2525RL10-60L	25x25	150	36.5	3	10	60-80	QTFD0303-MG		
	2525RL17-60L	25x25	150	43.5	3	17	60-80	QTFD0303-MG		
	2525RL10-74L	25x25	150	36.5	3	10	74-110	QTFD0303-MG		
	2525RL17-74L	25x25	150	43.5	3	17	74-110	QTFD0303-MG		
	2525RL10-100L	25x25	150	36.5	3	10	100-150	QTFD0303-MG		
	2525RL17-100L	25x25	150	43.5	3	17	100-150	QTFD0303-MG		
QFGD	2525RL13-52L	25x25	150	39.5	4	13	52-72	QTGD0404-MG		
	2525RL22-52L	25x25	150	48.5	4	22	52-72	QTGD0404-MG		
	2525RL13-64L	25x25	150	39.5	4	13	64-100	QTGD0404-MG		
	2525RL22-64L	25x25	150	48.5	4	22	64-100	QTGD0404-MG		
	2525RL13-90L	25x25	150	39.5	4	13	90-140	QTGD0404-MG		
	2525RL22-90L	25x25	150	48.5	4	22	90-140	QTGD0404-MG		
	2525RL13-130L	25x25	150	39.5	4	13	130-230	QTGD0404-MG		
	2525RL22-130L	25x25	150	48.5	4	22	130-230	QTHD0404-MG		
QFHD	2525RL13-58L	25x25	150	39.5	5	13	58-96	QTHD0504-MG		
	2525RL22-58L	25x25	150	48.5	5	22	58-96	QTHD0504-MG		
	2525RL13-86L	25x25	150	39.5	5	13	86-140	QTHD0504-MG		
	2525RL22-86L	25x25	150	48.5	5	22	86-140	QTHD0504-MG		
	2525RL13-130L	25x25	150	39.5	5	13	130-200	QTHD0504-MG		
	2525RL22-130L	25x25	150	48.5	5	22	130-200	QTHD0504-MG		
	2525RL13-185L	25x25	150	39.5	5	13	185-400	QTHD0504-MG		
	2525RL22-185L	25x25	150	48.5	5	22	185-400	QTHD0504-MG		
QFKD	2525RL30-185L	25x25	150	56.5	6	30	185-400	QTKD0608-MG		
	2525RL13-60L	25x25	150	39.5	6	13	60-100	QTKD0608-MG		
	2525RL22-60L	25x25	150	48.5	6	22	60-100	QTKD0608-MG		
	2525RL13-88L	25x25	150	39.5	6	13	88-180	QTKD0608-MG		
	2525RL22-88L	25x25	150	48.5	6	22	88-180	QTKD0608-MG		
	2525RL13-160L	25x25	150	39.5	6	13	160-400	QTKD0608-MG		
	2525RL22-160L	25x25	150	48.5	6	22	160-400	QTKD0608-MG		
	2525RL30-160L	25x25	150	56.5	6	30	160-400	QTKD0608-MG		



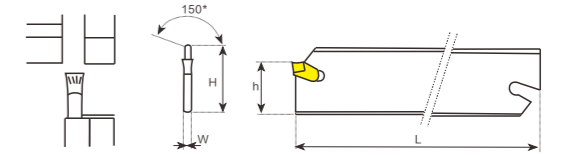
# ZQ



Type	Dimension							Adaptable Inserts	Screw	Wrench
	H	B	LF	WF	CW	CDX				
ZQ1616R03	16	16	100	16.4	3	16	ZQMX3N11-1E	M5 × 17	S4	
ZQ1616R04	16	16	100	16.4	4	18				ZQMX4N11-1E
ZQ2020R03	20	20	125	20.4	3	20	ZQMX3N11-1E	M6 × 20	S5	
ZQ2020R04	20	20	125	20.4	4	20	ZQMX4N11-1E			
ZQ2525R03	25	25	150	25.4	3	20	ZQMX3N11-1E			
ZQ2525R04	25	25	150	25.4	4	20	ZQMX4N11-1E			
ZQ2525R05	25	25	150	25.4	5	25	ZQMX5N11-1E			
ZQ2525R06	25	25	150	25.7	6	32	ZQMX6N11-1E			
ZQ3225R03	32	25	170	25.4	3	25	ZQMX3N11-1E	M6 × 22	S5	
ZQ3225R04	32	25	170	25.4	4	25	ZQMX4N11-1E			
ZQ3225R05	32	25	170	25.4	5	25	ZQMX5N11-1E			
ZQ3225R06	32	25	170	25.7	6	32	ZQMX6N11-1E			
ZQ1616L03	16	16	100	16.4	3	16	ZQMX3N11-1E	M5 × 17	S4	
ZQ1616L04	16	16	100	16.4	4	16	ZQMX4N11-1E			
ZQ2020L03	20	20	125	20.4	3	20	ZQMX3N11-1E	M6 × 20	S5	
ZQ2020L04	20	20	125	20.4	4	20	ZQMX4N11-1E			
ZQ2525L03	25	25	150	25.4	3	20	ZQMX3N11-1E			
ZQ2525L04	25	25	150	25.4	4	20	ZQMX4N11-1E			
ZQ2525L05	25	25	150	25.4	5	25	ZQMX5N11-1E			
ZQ2525L06	25	25	150	25.7	6	32	ZQMX6N11-1E			
ZQ3225L03	32	25	170	25.4	3	25	ZQMX3N11-1E	M6 × 22	S5	
ZQ3225L04	32	25	170	25.4	4	25	ZQMX4N11-1E			
ZQ3225L05	32	25	170	25.4	5	25	ZQMX5N11-1E			
ZQ3225L06	32	25	170	25.7	6	32	ZQMX6N11-1E			

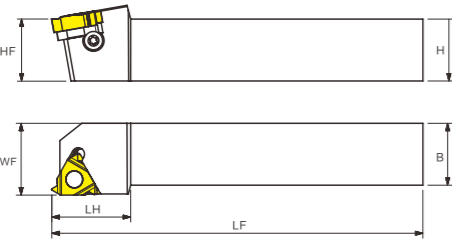


# External Parting Blade



Type	Dimension				Adaptable Inserts	
	H	W	L	h		
	SPB326-S	26	2.4	110	21	ZQMX3N11-1E
	SPB426-S	26	3.2	110	21	ZQMX4N11-1E
	SPB526-S	26	4.0	110	21	ZQMX5N11-1E
	SPB626-S	26	5.2	110	21	ZQMX6N11-1E
	SPB332-S	32	2.4	150	25	ZQMX3N11-1E
	SPB432-S	32	3.2	150	25	ZQMX4N11-1E
	SPB532-S	32	4.0	150	25	ZQMX5N11-1E
	SPB632-S	32	5.2	150	25	ZQMX6N11-1E

# External Threading Turning Tool



Type	Dimension					Adaptable Inserts	Inserts Screw	Shim	Shim Screw	Wrench	
	H	HF	B	LF	WF						
	SWR/L1010H11	10	10	10	100	16	R/LT11□□G-□□	L60 M2.5 × 6	—	—	T08
	SWR/L1212H11	12	12	12	100	16					
	SWR/L1616H16	16	16	16	100	20	R/LT16□□G-□□	L60 M3.5 × 12	TT16-□□	SS04008	T15 S2.5
	SWR/L2020K16	20	20	20	125	25					
	SWR/L2525M16	25	25	25	150	32					
	SWR/L3225P16	32	32	25	170	32					
	SWR/L3232P16	32	32	32	170	40					
	SWR/L2525M22	25	25	25	150	32					
	SWR/L2525P22	32	32	25	170	32					
	SWR/L3232P22	32	32	32	170	40					
	SWR/4040S22	40	40	40	250	50					
	SWR/L3232P22	32	32	32	170	40	R/LT27□□G-□□	L60 M6 × 16	TT27-□□		
	SWR/L4040S27	40	40	40	250	50					

# External Threading Turning Tool



Type	Dimension							Adaptable Inserts	Screw	Shim	Shim Screw	Wrench
	DMIN	DCON	H	LF	WF	LRED						
	SNR/L0010K11	10	12	9.5	125	6	32	R/LT11□□L-□□	L60 M2.5 × 5			T08
	SNR/L0012K11	12	16	11.5	125	6	32					
	SNR/L0013M16	13	16	15.5	150	10	32	R/LT16□□L-□□	L60 M3.5 × 8	TT16	SS04008	T15 S2.5
	SNR/L0016M16	16	20	15.5	150	12	40					
	SNR/L0020Q16	20	25	19.5	180	14	40					
	SNR/L0025R16	25	30	24	200	16	45					
	SNR/L32S16	32	38	30	250	20	55					
	SNR/L0025R22	25	30	24	200	18	45					
	SNR/L0032S22	32	38	30	250	22	55					
	SNR/L0040T22	40	46	38	300	26	60					
	SNR/L0032S27	32	40	30	250	24	55	R/LT27□□L-□□	L60 M6 × 16	TT27		
	SNR/L0040T27	40	50	38	300	30	60					