

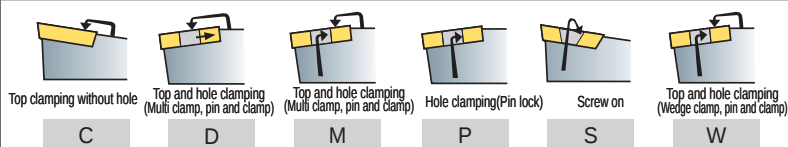
B External tool Holder Code System(ISO)

P S K N R 25 25 - M 12

1 2 3 4 5 6 7 8 9
Clamping Method of Insert Insert Shape Holder Style Clearance Angle of Insert Hand Height of Shank Width of Shank Length of Holder Length of Insert Cutting Edge

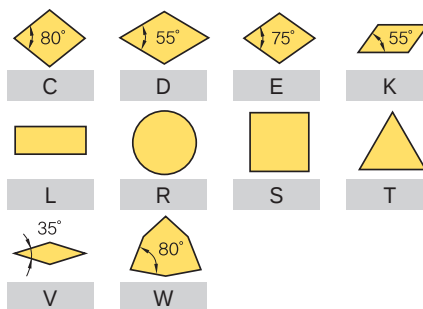
1 Clamping Method of Insert

P S K N R 25 25 - M 12



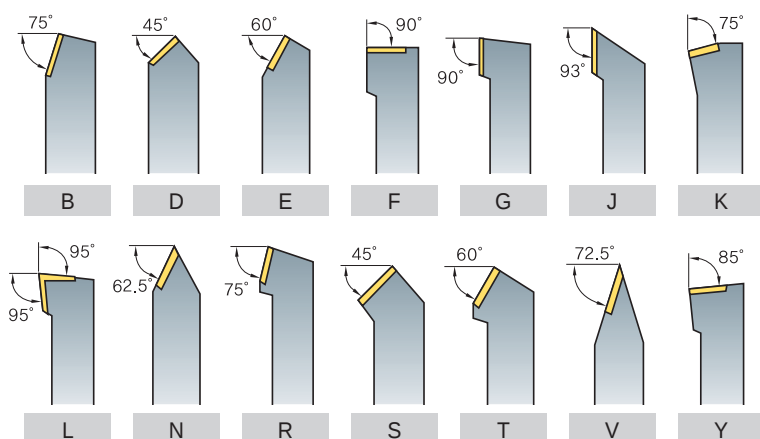
2 Insert Shape

P S K N R 25 25 - M 12



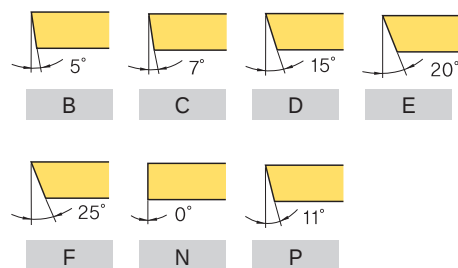
3 Holder Style

P S K N R 25 25 - M 12



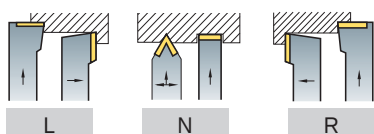
4 Clearance Angle of Insert

P S K N R 25 25 - M 12



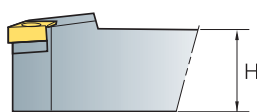
5 Hand

P S K N R 25 25 - M 12



6 Height of Shank

P S K N R 25 25 - M 12



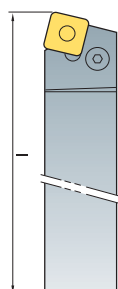
7 Width of Shank

P S K N R 25 25 - M 12



8 Length of Holder

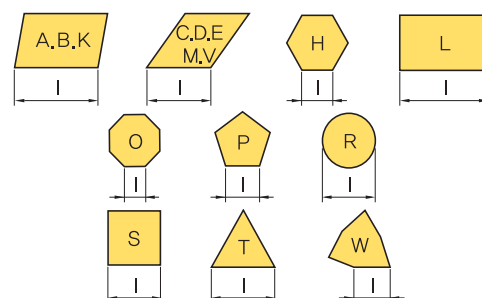
P S K N R 25 25 - M 12



A-32	H-100	Q-180	X-Special Item
B-40	J-110	R-200	
C-50	K-125	S-250	
D-60	L-140	T-300	
E-70	M-150	U-350	
F-80	N-160	V-400	
G-90	P-170	W-450	

9 Length of Insert Cutting Edge

P S K N R 25 25 - M 12



Double Clamp System

Cutting Shape										
Designation	DCBNR/L	DCKNR/L	DCLNR/L	DDJNR/L	DSBNR/L	DSDNN	DSKNR/L	DSSNR/L	DTFNR/L	DTGNR/L
Approach angle	75°	75°	95°	93°	75°	45°	75°	45°	90°	90°
Page	B167	B167	B167	B168	B168	B169	B169	B169	B170	B170
Turning	●		●	●	●	●		●		●
Copying				●						
Facing		●	●				●	●	●	
Chamfering						●				
Back turning			●	●						

Cutting Shape										
Designation	DVJNR/L	DVVNN	DWLNR/L							
Approach angle	93°	72.5°	95°							
Page	B170	B171	B171							
Turning	●	●	●							
Copying	●	●								
Facing			●							
Chamfering										
Back turning	●		●							

Lever Lock System

Cutting Shape										
Designation	PCBNR/L	PCKNR/L	PCLNR/L	PDJNR/L	PDNNR/L	PRDCN	PRGCR/L	PSBNR/L	PSDNN	PSKNR/L
Approach angle	75°	75°	95°	93°	62.5°	-	-	75°	45°	75°
Page	B172	B172	B173	B173	B174	B174	B175	B175	B176	B176
Turning	●	●	●	●	●	●	●	●	●	
Copying				●	●	●	●			
Facing			●							●
Chamfering										
Back turning			●	●						

Cutting Shape										
Designation	PSSNR/L	PTFNR/L	PTGNR/L	PTTNR/L	PWLNR/L					
Approach angle	45°	90°	90°	60°	95°					
Page	B177	B177	B178	B178	B178					
Turning	●		●	●	●					
Copying										
Facing	●	●			●					
Chamfering				●						
Back turning					●					

Wedge Clamp System

Cutting Shape										
Designation	WTENN	WTJNR/L	WTXNR/L	WWLNR/L						
Approach angle	60°	93°	105°	95°						
Page	B179	B179	B179	B180						
Turning	●	●	●	●						
Copying	●	●	●							
Facing				●						
Chamfering										
Back turning		●	●	●						

Clamp on System

Cutting Shape										
Designation	CKJNR/L	CKNNR/L	CSDPN	CSKPR/L	CTFPR/L	CTGPR/L				
Approach angle	93°	62.5°	45°	75°	90°	90°				
Page	B181	B181	B181	B182	B182	B182				
Turning	●	●	●			●				
Copying	●	●								
Facing				●	●					
Chamfering										
Back turning	●									

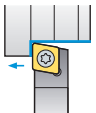
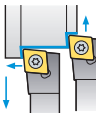
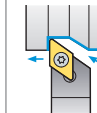
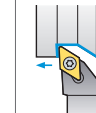
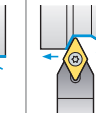
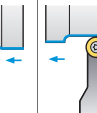
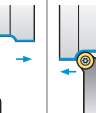
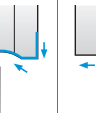
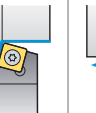
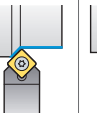
Multi Lock System

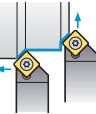
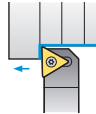
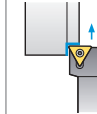
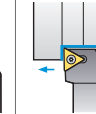
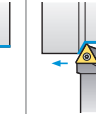
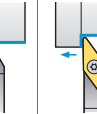
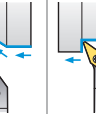
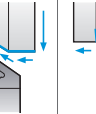
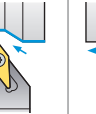
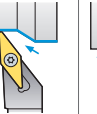
Cutting Shape										
Designation	MCKNR/L	MCLNR/L	MCMNN	MCRNR/L	MDJNR/L	MDNNN	MDQNR/L	MSBNR/L	MSDNN	MSKNR/L
Approach angle	75°	95°	50°	75°	93°	62.5°	107.5°	75°	45°	75°
Page	B183	B183	B183	B184	B184	B184	B185	B185	B185	B186
Turning		●	●	●	●	●	●	●	●	
Copying					●	●	●			
Facing	●	●								●
Chamfering										
Back turning		●			●		●			

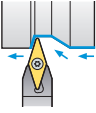
Cutting Shape										
Designation	MSRR/L	MSSNR/L	MTENN	MTFNR/L	MTGNR/L	MTJNR/L	MVJNR/L	MVQNR/L	MVVNN	MWLNR/L
Approach angle	75°	45°	60°	90°	90°	93°	93°	117.5°	72.5°	95°
Page	B186	B187	B187	B187	B188	B188	B188	B189	B189	B189
Turning	●	●	●		●	●	●	●	●	●
Copying			●			●	●	●	●	
Facing		●		●		●				●
Chamfering										
Back turning						●	●	●		●



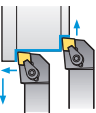
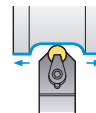
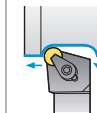
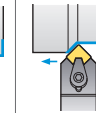
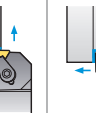
Screw on System

Cutting Shape										
Designation	SCACR/L	SCLCR/L	SDACR/L	SDJCR/L	SDNCN	SRDCN	SRGCR/L	SSBCR/L	SSDCN	SSKCR/L
Approach angle	90°	95°	90°	93°	62.5°	-	-	75°	45°	75°
Page	B190	B190	B190	B191	B191	B191	B192	B192	B192	B192
Turning	●	●	●	●	●	●	●	●	●	
Copying			●	●	●	●	●			
Facing		●								●
Chamfering										
Back turning		●		●						

Cutting Shape										
Designation	SSSCR/L	STACR/L	STFCR/L	STGCR/L	STTCR/L	SVABR/L	SVHBR/L	SVJBR/L	SVJCR/L	SVVBN
Approach angle	45°	90°	90°	90°	60°	90°	107.5°	93°	93°	72.5°
Page	B193	B193	B194	B194	B194	B195	B195	B195	B196	B196
Turning	●	●		●	●	●	●	●	●	●
Copying						●	●	●	●	●
Facing	●		●							
Chamfering										
Back turning						●	●	●	●	

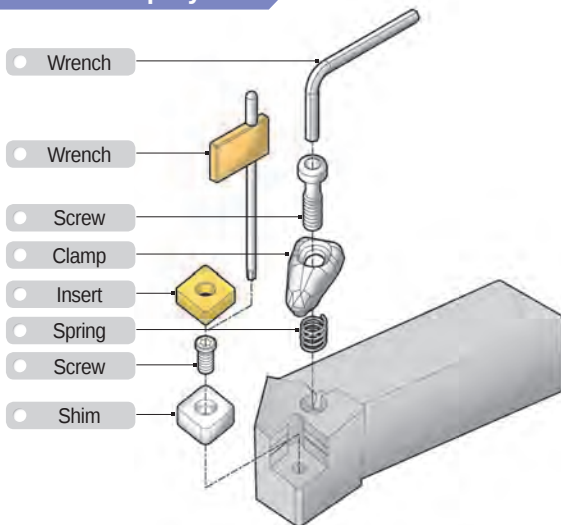
Cutting Shape										
Designation	SVVCN									
Approach angle	72.5°									
Page	B196									
Turning	●									
Copying	●									
Facing										
Chamfering										
Back turning										

Ceramic Holder

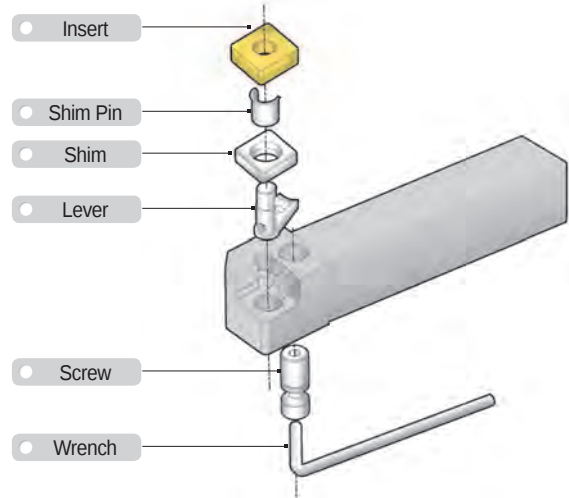
Cutting Shape										
Designation	CCNLR/L	CRDNN	CRGNR/L	CSDNN	CSKNR/L	CTFNR/L	CTGNR/L			
Approach angle	95°	-	-	45°	75°	90°	90°			
Page	B197	B197	B197	B197	B198	B198	B198			
Turning	●	●	●	●			●			
Copying			●							
Facing	●				●	●				
Chamfering										
Back turning	●									

Instruction of External Holder

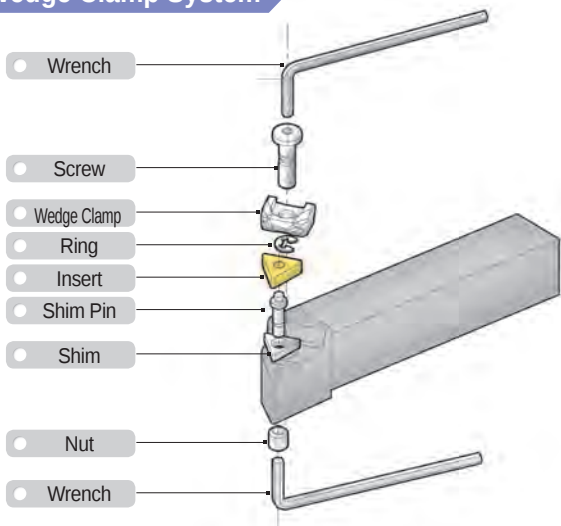
Double Clamp System



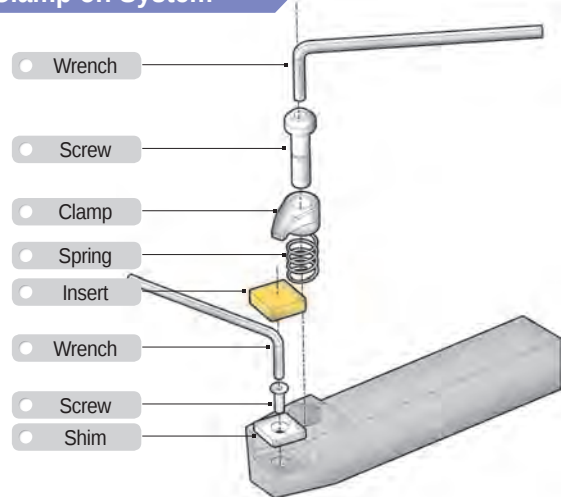
Lever Lock System



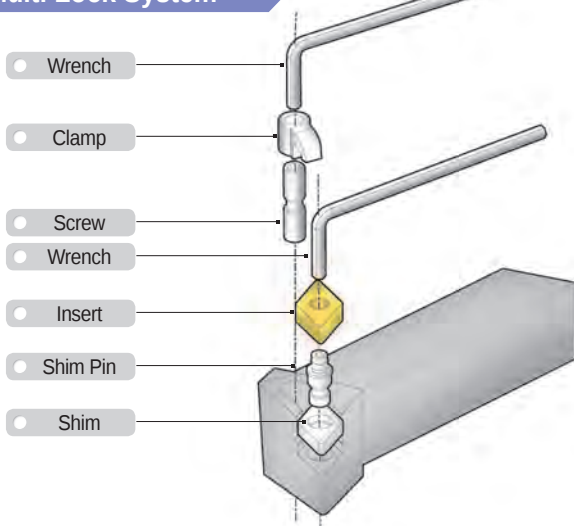
Wedge Clamp System



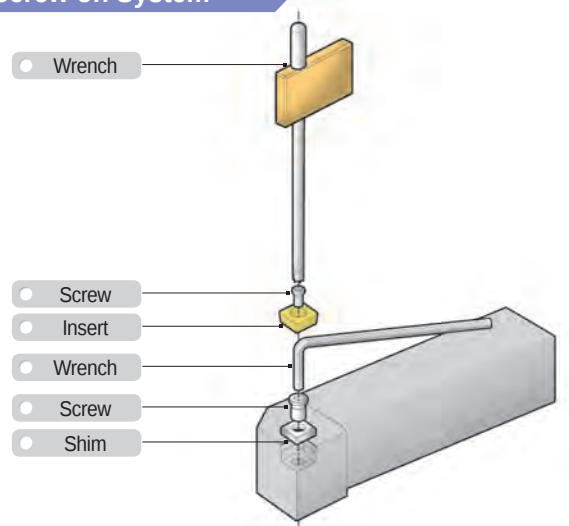
Clamp on System



Multi Lock System



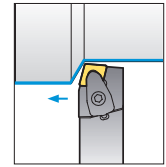
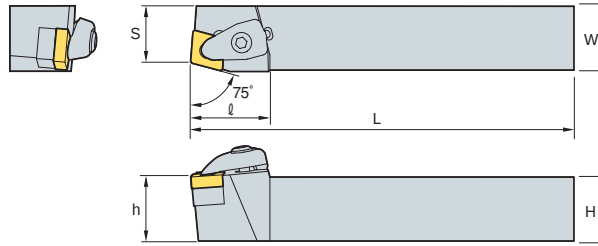
Screw on System



DCBNR/L



CN□□



75°

• R type insert
(mm)

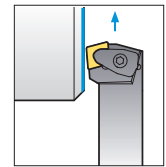
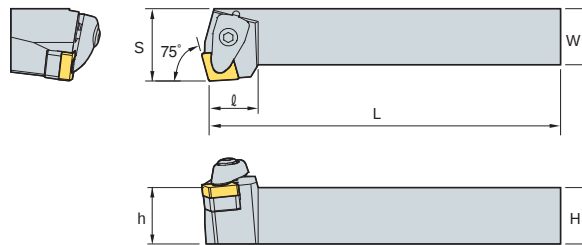
Designation	H	W	L	S	h	ℓ	Insert	Clamp	Clamp Screw	Shim	Shim Screw	Spring	Wrench
DCBNR/L 2020-K12	20	20	125	17	20	31	CN□□1204□□						
2525-M12	25	25	150	22	25	31							
3225-P12	32	25	170	22	32	31							
2525-M16	25	25	150	22	25	36	CN□□1606□□						
3232-P16	32	32	170	27	32	36							
3232-P19	32	32	170	27	32	40							
4040-S19	40	40	250	35	40	40	CN□□1906□□						

➔ Applicable inserts B36-B42

DCKNR/L



CN□□



75°

• R type insert
(mm)

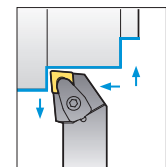
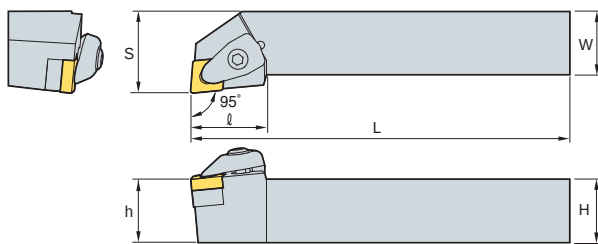
Designation	H	W	L	S	h	ℓ	Insert	Clamp	Clamp Screw	Shim	Shim Screw	Spring	Wrench
DCKNR/L 2020-K12	20	20	125	25	20	21	CN□□1204□□						
2525-M12	25	25	150	32	25	21							
3225-P12	32	25	170	32	32	21							
3232-P16	32	32	170	40	32	26	CN□□1606□□						
4040-S16	40	40	250	50	40	26							

➔ Applicable inserts B36-B42

DCLNR/L



CN□□



95°

• R type insert
(mm)

Designation	H	W	L	S	h	ℓ	Insert	Clamp	Clamp Screw	Shim	Shim Screw	Spring	Wrench
DCLNR/L 2020-K09	20	20	125	25	20	24.5	CN□□0903□□						
2525-M09	25	25	150	32	25	24.5							
2020-K12	20	20	125	25	20	30							
2525-M12	25	25	150	32	25	30	CN□□1204□□						
3225-P12	32	25	170	32	32	30							
3232-P12	32	32	170	40	32	30							
2525-M16	25	25	150	32	25	36	CN□□1606□□						
3225-P16	32	25	170	32	32	36							
3232-P16	32	32	170	40	32	36							
2525-M19	25	25	150	32	25	40	CN□□1906□□						
3225-P19	32	25	170	32	32	40							
3232-P19	32	32	170	40	32	40							
4040-S19	40	40	250	50	40	40							

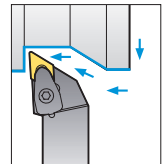
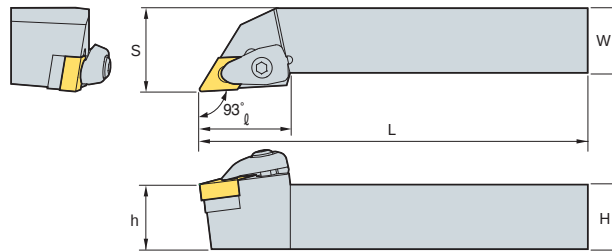
➔ Applicable inserts B36-B42

B Double Clamp System

DDJNR/L



DN□□



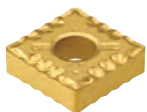
93°

• R type insert (mm)

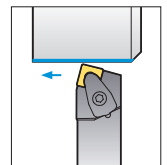
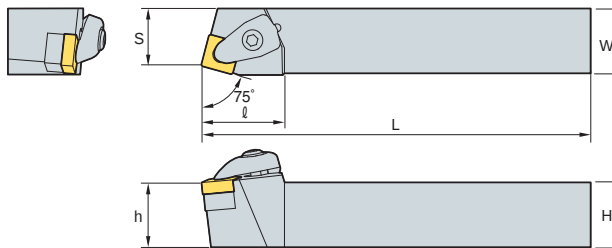
Designation	H	W	L	S	h	ℓ	Insert	Clamp	Clamp Screw	Shim	Shim Screw	Spring	Wrench
DDJNR/L 2020-K11	20	20	125	25	20	30	DN□□1104□□						
2525-M11	25	25	150	32	25	30							
3225-P11	32	25	170	32	32	30							
3232-P11	32	32	170	40	32	30							
2020-K15	20	20	125	25	20	35	DN□□1506□□						
2525-M15	25	25	150	32	25	35							
3225-P15	32	25	170	32	32	35							
3232-P15	32	32	170	40	32	35							
2020-K15-3	20	20	125	25	20	35	DN□□1504□□						
2525-M15-3	25	25	150	32	25	35							
3232-P15-3	32	32	170	40	32	35							

➔ Applicable inserts B43-B48

DSBNR/L



SN□□



75°

• R type insert (mm)

Designation	H	W	L	S	h	ℓ	Insert	Clamp	Clamp Screw	Shim	Shim Screw	Spring	Wrench
DSBNR/L 2020-K09	20	20	125	17	20	25	SN□□0903□□						
2525-M09	25	25	150	22	25	25							
2020-K12	20	20	125	17	20	32							
2525-M12	25	25	150	22	25	32	SN□□1204□□						
3225-P12	32	25	170	22	32	32							
3232-P12	32	32	170	27	32	32							
2525-M15	25	25	150	22	25	38	SN□□1506□□						
3225-P15	32	25	170	22	32	38							
3232-P15	32	32	170	27	32	38							
3232-P19	32	32	170	27	32	43	SN□□1906□□						
4040-S19	40	40	250	35	40	43							

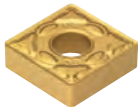
➔ Applicable inserts B50-B57



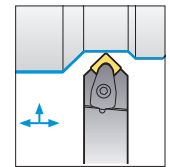
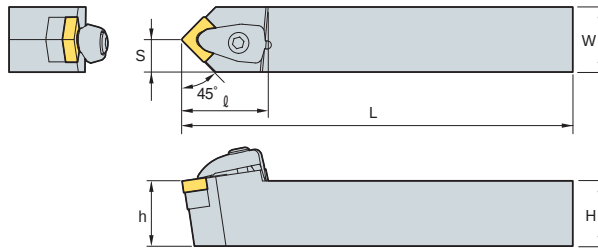
B

Turning

DSDNN



SN□□



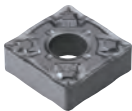
45°

• R type insert (mm)

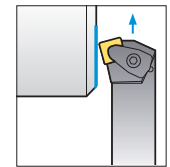
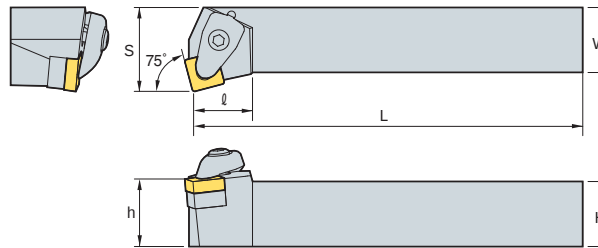
Designation	H	W	L	S	h	ℓ	Insert	Clamp	Clamp Screw	Shim	Shim Screw	Spring	Wrench
DSDNN 2020-K09	20	20	125	10	20	26.5	SN□□0903□□	CVH3	CHX0415	SS32V	FTKA0307	SPR0510	HW25P
2020-K12	20	20	125	10	20	33	SN□□1204□□	CVH4	CHX0518	SS44V	FTKA0410	SPR0714	HW30P
2525-M12	25	25	150	12.5	25	33							
3232-P12	32	25	170	12.5	32	33							
3232-P12	32	32	170	16	32	33	SN□□1506□□	CVH5	CHX0622	SS54V	FTNA0511	SPR0811	HW25P
2525-M15	25	25	150	12.5	25	39.4							
3232-P15	32	32	170	16	32	38							
3232-P19	32	32	170	16	32	43	SN□□1906□□	CVH6	CHX0622	SS64V	FTNA0511	SPR0811	HW40L
4040-S19	40	40	250	20	40	45							

➔ Applicable inserts B50-B57

DSKNR/L



SN□□



75°

• R type insert (mm)

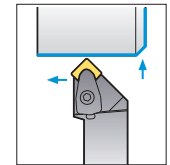
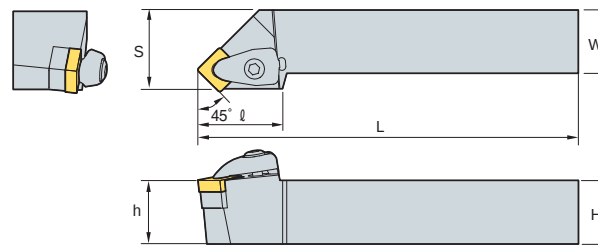
Designation	H	W	L	S	h	ℓ	Insert	Clamp	Clamp Screw	Shim	Shim Screw	Spring	Wrench
DSKNR/L 2020-K09	20	20	125	25	20	20	SN□□0903□□	CVH3	CHX0415	SS32V	FTKA0307	SPR0510	HW25P
2020-K12	20	20	125	25	20	23	SN□□1204□□	CVH4	CHX0518	SS44V	FTKA0410	SPR0714	HW30P
2525-M12	25	25	150	32	25	23							
3232-P12	32	32	170	40	32	23							
3232-P15	32	32	170	40	32	28	SN□□1506□□	CVH5	CHX0622	SS54V	FTNA0511	SPR0811	HW40L
3232-P19	32	32	170	40	32	35	SN□□1906□□	CVH6	CHX0622	SC64V	FTNA0511	SPR0811	HW40L
4040-S19	40	40	250	50	40	43							

➔ Applicable inserts B50-B57

DSSNR/L



SN□□



45°

• R type insert (mm)

Designation	H	W	L	S	h	ℓ	Insert	Clamp	Clamp Screw	Shim	Shim Screw	Spring	Wrench
DSSNR/L 2020-K09	20	20	125	25	20	28.5	SN□□0903□□	CVH3	CHX0415	SS32V	FTKA0307	SPR0510	HW25P
2020-K12	20	20	125	25	20	35	SN□□1204□□	CVH4	CHX0518	SS44V	FTKA0410	SPR0714	HW30P
2525-M12	25	25	150	32	25	35							
3232-P12	32	25	170	32	32	35							
3232-P12	32	32	170	40	32	35	SN□□1506□□	CVH5	CHX0622	SS54V	FTNA0511	SPR0811	HW40L
2525-M15	25	25	150	32	25	38.5							
3232-P15	32	32	170	40	32	38.5							
3232-P19	32	32	170	40	32	46	SN□□1906□□	CVH6	CHX0622	SS64V	FTNA0511	SPR0811	HW40L
4040-S19	40	40	250	50	40	46							

➔ Applicable inserts B50-B57

Turning



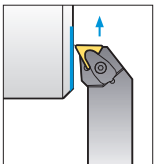
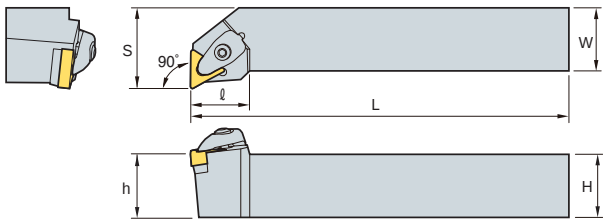
B

B Double Clamp System

DTFNR/L



TN□□



90°

• R type insert
(mm)

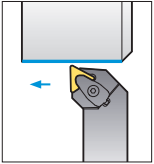
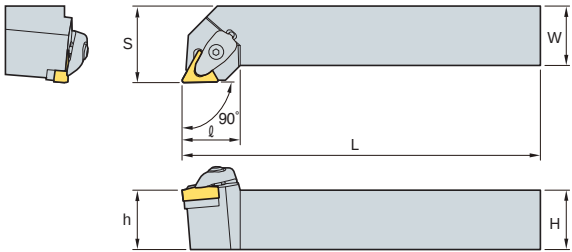
Designation	H	W	L	S	h	ℓ	Insert	Clamp	Clamp Screw	Shim	Shim Screw	Spring	Wrench
DTFNR/L 2020-K16	20	20	125	25	20	24.5	TN□□1604□□						
2525-M16	25	25	150	32	25	24.5							
3232-P16	32	32	170	40	32	23.5							
2525-M22	25	25	150	32	25	33	TN□□2204□□						
3225-P22	32	25	170	32	32	33							
3232-P22	32	32	170	40	32	33							

↻ Applicable inserts B58-B65

DTGNR/L



TN□□



90°

• R type insert
(mm)

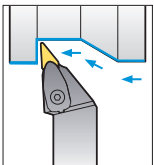
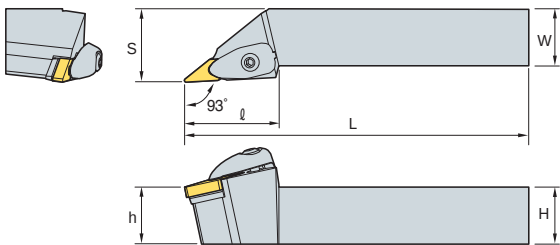
Designation	H	W	L	S	h	ℓ	Insert	Clamp	Clamp Screw	Shim	Shim Screw	Spring	Wrench
DTGNR/L 2020-K16	20	20	125	25	20	24.5	TN□□1604□□						
2525-M16	25	25	150	32	25	24.5							
3232-P16	32	32	170	40	32	24.5							
2525-M22	25	25	150	32	25	32.6	TN□□2204□□						
3225-P22	32	25	170	32	32	32.6							
3232-P22	32	32	170	40	32	32.6							

↻ Applicable inserts B58-B65

DVJNR/L



VN□□



93°

• R type insert
(mm)

Designation	H	W	L	S	h	ℓ	Insert	Clamp	Clamp Screw	Shim	Shim Screw	Spring	Wrench
DVJNR/L 2020-K16	20	20	125	25	20	41.5	VN□□1604□□						
2525-M16	25	25	150	32	25	41.5							
3232-P16	32	32	170	40	32	41.5							

↻ Applicable inserts B66-B67



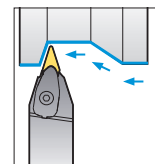
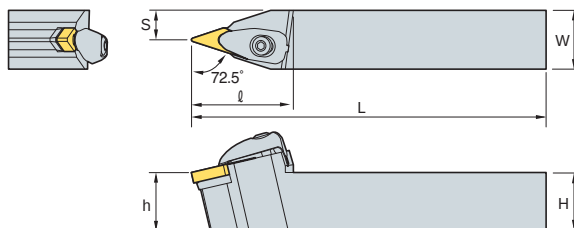
B

Turning

DVVNN



VN□□



72.5°

• R type insert (mm)

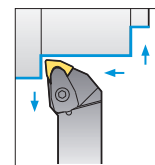
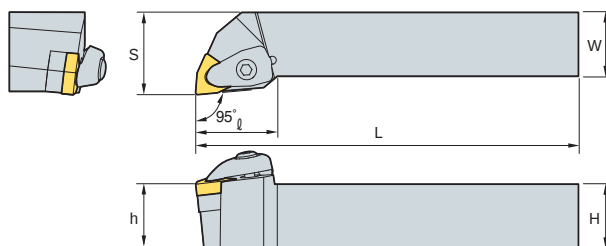
Designation	H	W	L	S	h	l	Insert	Clamp	Clamp Screw	Shim	Shim Screw	Spring	Wrench
DVVNN													
2020-K16	20	20	125	10	20	40	VN□□1604□□						
2525-M16	25	25	150	12.5	25	40							
3232-P16	32	32	170	16	32	40							
								CVH3V	CHX0518	SV32V	FTNA03508	SPR0714	HW30P

➔ Applicable inserts **B66~B67**

DWLNR/L



WN□□



95°

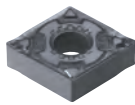
• R type insert (mm)

Designation	H	W	L	S	h	l	Insert	Clamp	Clamp Screw	Shim	Shim Screw	Spring	Wrench
DWLNR/L													
2020-K06	20	20	125	25	20	26	WN□□ 0604□□						
2525-M06	25	25	150	32	25	26							
2020-K08	20	20	125	25	20	32	WN□□ 0804□□						
2525-M08	25	25	150	32	25	32							
								CVH3	CHX0415	SW32V	FTKA0307	SPR0510	HW25P
								CVH4	CHX0518	SW44V	FTKA0410	SPR0714	HW30P

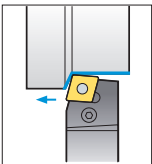
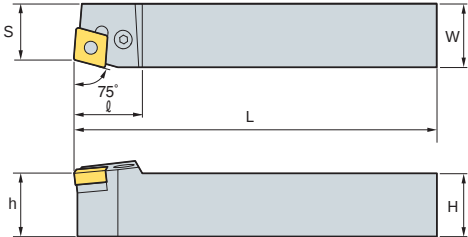
➔ Applicable inserts **B68~B72**

B Lever Lock System

PCBNR/L



CN□□



75°

• R type insert (mm)

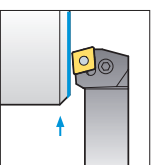
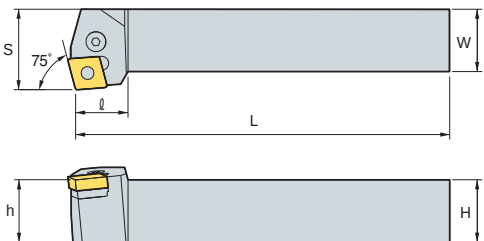
Designation	H	W	L	S	h	ℓ	Insert	Lever	Screw	Shim	Shim Pin	Wrench	Shim Pin Punch
PCBNR/L 2020-K12	20	20	125	17	20	27	CN□□ 1204□□	LV4	VHX0821	SC42	SP4	HW30L	LSPS4
2525-M12	25	25	150	22	25	27							
3225-P12	32	25	170	22	32	27	CN□□ 1606□□	LV5	VHX0825	SC53	SP5	HW30L	LSPS6
2525-M16	25	25	150	22	25	33							
3232-P16	32	32	170	27	32	33	CN□□ 1906□□	LV6N	VHX1027N	SC63N	SP6N	HW40L	LSPS6
3232-P19	32	32	170	27	32	36							
4040-S19	40	40	250	35	40	36	CN□□ 2509□□	LV8N	VHX1236N	SC84N	SP8N	HW50L	LSPS8
4040-S25	40	40	250	35	40	47	CN□□ 2507□□						
4040-S25-5	40	40	250	35	40	47	CN□□ 2507□□	LV8N	VHX1236N	SC84N	SP8N	HW50L	LSPS8
5050-T25	50	50	300	43	50	47	CN□□ 2509□□						

Applicable inserts B36-B42

PCKNR/L



CN□□



95°

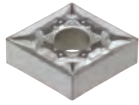
• R type insert (mm)

Designation	H	W	L	S	h	ℓ	Insert	Lever	Screw	Shim	Shim Pin	Wrench	Shim Pin Punch
PCKNR/L 2020-K12	20	20	125	25	20	27	CN□□ 1204□□	LV4	VHX0821	SC42	SP4	HW30L	LSPS4
2525-M12	25	25	150	32	25	27							
3225-P12	32	25	170	40	32	30	CN□□ 1606□□	LV5	VHX0825	SC53	SP5	HW30L	HW30L
3232-P16	32	32	170	40	32	26							
4040-S16	40	40	250	50	40	25							

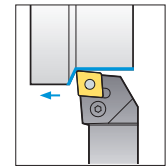
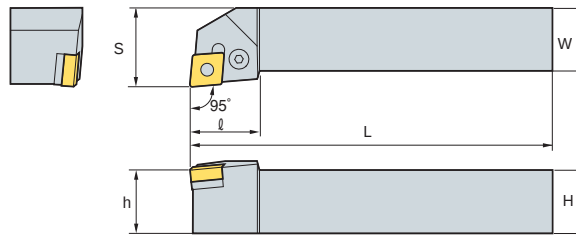
Applicable inserts B36-B42



PCLNR/L



CN□□



95°

• R type insert
(mm)

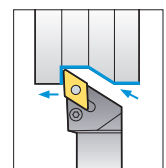
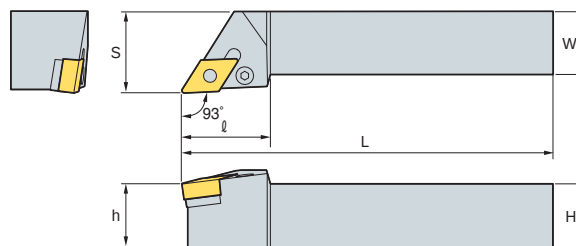
Designation	H	W	L	S	h	ℓ	Insert	Lever	Screw	Shim	Shim Pin	Wrench	Shim Pin Punch
PCLNR/L 1616-H09	16	16	100	20	16	20	CN□□ 0903□□	LV3	VHX0617	SC32	SP3	HW25L	LSPS3
2020-K09	20	20	125	25	20	22							
2525-M09	25	25	150	32	25	22							
1616-H12	16	16	100	20	16	28	CN□□ 1204□□	LV4	VHX0821	SC42	SP4	HW30L	LSPS4
2020-K12	20	20	125	25	20	28							
2525-M12	25	25	150	32	25	28							
3225-P12	32	25	170	32	32	28	CN□□ 1606□□	LV5	VHX0825	SC53	SP5	HW30L	LSPS5
3232-P12	32	32	170	40	32	28							
2525-M16	25	25	150	32	25	33							
3232-P16	32	32	170	40	32	33	CN□□ 1906□□	LV6N	VHX1027N	SC63N	SP6N	HW40L	LSPS6
2525-M19	25	25	150	32	25	36							
3225-P19	32	25	170	32	32	36							
3232-P19	32	32	170	40	32	36	CN□□ 2509□□	LV8N	VHX1236N	SC84N	SP8N	HW50L	LSPS8
4040-P19	40	40	170	50	40	36							
4040-S19	40	40	250	50	40	36							
4040-S25	40	40	250	50	40	47	CN□□ 2507□□	LV8N	VHX1236N	SC84N	SP8N	HW50L	LSPS8
5050-T25	50	50	300	60	50	47							
4040-S25-5	40	40	250	50	40	47							
5050-S25-5	50	50	300	60	50	47							

Applicable inserts **B36-B42**

PDJNR/L



DN□□



93°

• R type insert
(mm)

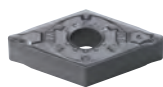
Designation	H	W	L	S	h	ℓ	Insert	Lever	Screw	Shim	Shim Pin	Wrench	Shim Pin Punch
PDJNR/L 1616-H11	16	16	100	20	16	25	DN□□ 1104□□	LV3	VHX0617	SD317	SP3	HW25L	LSPS3
2020-K11	20	20	125	25	20	25							
2525-M11	25	25	150	32	25	30							
2020-K15	20	20	125	25	20	35	DN□□ 1506□□	LV4B	VHX0821	SD42	SP4	HW30L	LSPS4
2525-M15	25	25	150	32	25	35							
3225-P15	32	25	170	32	32	35							
3232-P15	32	32	170	40	32	35	DN□□ 1504□□	LV4	VHX0821	SD42	SP4	HW30L	LSPS4
2020-K15-3	20	20	125	25	20	35							
2525-M15-3	25	25	150	32	25	35							
3232-P15-3	32	32	170	40	32	35							

Applicable inserts **B43-B48**

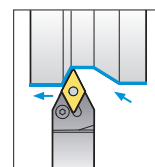
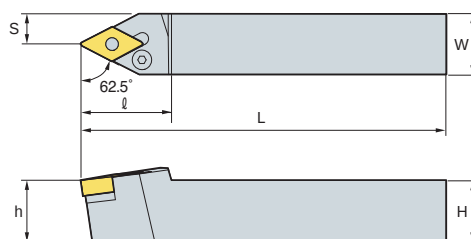


B Lever Lock System

PDNNR/L



DN□□



62.5°

• R type insert
(mm)

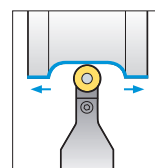
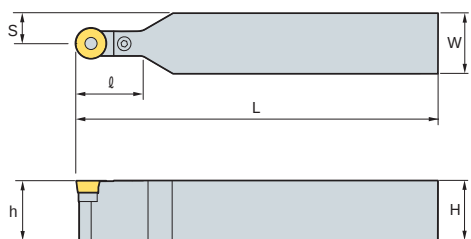
Designation	H	W	L	S	h	ℓ	Insert	Lever	Screw	Shim	Shim Pin	Wrench	Shim Pin Punch
PDNNR/L 2020-K15	20	20	125	8	20	37	DN□□ 1506□□						
2525-M15	25	25	150	12.5	25	37							
3232-P15	32	32	150	16	32	37							
4025-M15	40	25	170	12.5	32	37							
2525-M15-3	25	25	150	12.5	25	37	DN□□ 1504□□						
4025-M15-3	40	25	150	12.5	25	37							

Applicable inserts B43~B48

PRDCN



RCMX



(mm)

Designation	H	W	L	S	h	ℓ	Insert	Lever	Screw	Shim	Shim Pin	Wrench	Shim Pin Punch
PRDCN 2020-M10	20	20	150	10	20	24	RCMX1003M0						
2525-M10	25	25	150	12.5	25	24							
2525-M12	25	25	150	12.5	25	24	RCMX1204M0						
2020-K12	20	20	125	10	20	24							
3225-Q12	32	25	180	12.5	32	24							
2525-Q16	25	25	180	12.5	25	30	RCMX1606M0						
3225-Q16	32	25	180	12.5	32	30							
3232-Q16	32	32	180	16	32	35	RCMX2006M0						
3232-Q20	32	32	180	16	32	40							
4040-S25	40	40	250	20	40	42	RCMX2507M0						
4040-T25	40	40	300	20	40	42							
5050-U32	50	50	350	25	50	52	RCMX3209M0						

Applicable inserts B83, B105



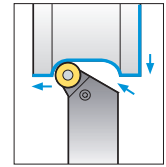
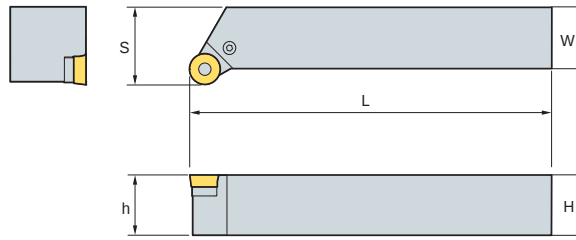
B

Turning

PRGCR/L



RCMX

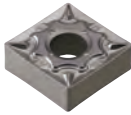


• R type insert
(mm)

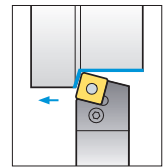
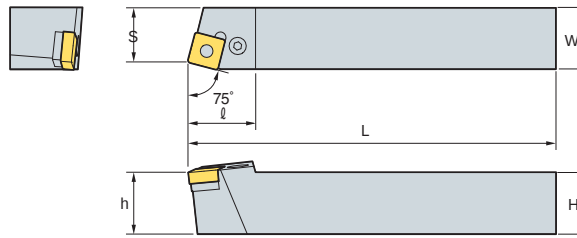
Designation		H	W	L	S	h	Insert						
PRGCR/L	2020-K10	20	20	125	25	20	RCMX1003M0	LR10	VHX0514	SR10	SP3	HW20L	LSPS3
	2525-M10	25	25	150	32	25							
	2020-K12	20	20	125	25	20							
	2525-M12	25	25	150	32	25	RCMX1204M0	LR12	VHX0617	SR12	SP3	HW25L	LSPS3
	3225-P12	32	25	170	32	32							
	2525-M16	25	25	150	32	25	RCMX1606M0	LR16	VHX0621	SR16	SP4	HW25L	LSPS4
	3225-P16	32	25	170	32	32							
	3232-P20	32	32	170	40	32	RCMX2006M0	LR20	VHX0823	SR20	SP5-1	HW30L	LSPS5
4040-S25	40	40	250	50	40	RCMX2507M0	LR25	VHX1030	SR25	SP6N	HW40L	LSPS6	

➔ Applicable inserts B83, B105

PSBNR/L



SN□□



75°

• R type insert
(mm)

Designation		H	W	L	S	h	ℓ	Insert						
PSBNR/L	1616-H09	16	16	100	13	16	21	SN□□0903□□	LV3	VHX0617	SS32	SP3	HW25L	LSPS3
	2020-K09	20	20	125	17	20	23	SN□□1204□□	LV4	VHX0821	SS42	SP4	HW30L	LSPS4
	2020-K12	20	20	125	17	20	28							
	2525-M12	25	25	150	22	25	28							
	3225-P12	32	25	170	22	32	28							
	3232-P12	32	32	170	27	32	28	SN□□1506□□	LV5	VHX0825	SS53	SP5	HW30L	LSPS5
	2525-M15	25	25	150	22	25	35							
	3232-P15	32	32	170	27	32	35							
	3232-P19	32	32	170	27	32	40	SN□□1906□□	LV6N	VHX1027N	SS63N	SP6N	HW40L	LSPS6
	4040-S19	40	40	250	35	40	40							
	4040-S25	40	40	250	35	40	50	SN□□2507□□	LV8N	VHX1236N	SS84N	SP8N	HW50L	LSPS8
	4040-S25-6	40	40	250	35	40	50	SN□□2509□□						
	5050-T25	50	50	300	43	50	50	SN□□2507□□						
	5050-T25-6	50	50	300	43	50	46	SN□□2509□□						

➔ Applicable inserts B50-B57

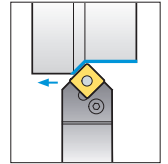
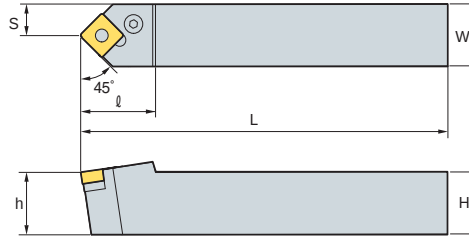


B Lever Lock System

PSDNN



SN□□



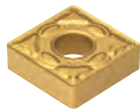
45°

(mm)

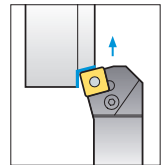
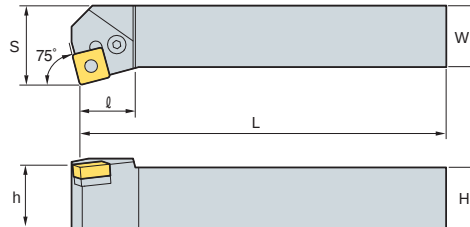
Designation	H	W	L	S	h	ℓ	Insert	Lever	Screw	Shim	Shim Pin	Wrench	Shim Pin Punch
PSDNN 1616-H09	16	16	100	8	16	23	SN□□0903□□	LV3	VHX0617	SS32	SP3	HW25L	LSPS3
2020-K12	20	20	125	10	20	30	SN□□1204□□	LV4	VHX0821	SS42	SP4	HW30L	LSPS4
2525-M12	25	25	150	12.5	25	30							
3225-P12	32	25	170	12.5	32	30							
3232-P12	32	32	170	16	32	40	SN□□1506□□	LV5	VHX0825	SS53	SP5	HW30L	LSPS5
2525-M15	25	25	150	12.5	25	40							
3232-P15	32	32	170	16	32	40							
3225-P19	32	25	170	12.5	32	40	SN□□1906□□	LV6N	VHX1027N	SS63N	SP6N	HW40L	LSPS6
3232-P19	32	32	170	16	32	40							
4040-S19	40	40	250	20	40	40							
4040-S25	40	40	250	20	40	50	SN□□2507□□	LV8N	VHX1236N	SS84N	SP8N	HW50L	LSPS8
5050-T25	50	50	300	25	50	50							
4040-S25-6	40	40	250	20	40	50							
5050-T25-6	50	50	300	25	50	50	SN□□2509□□	LV8N	VHX1236N	SS84N	SP8N	HW50L	LSPS8

➔ Applicable inserts B50-B57

PSKNR/L



SN□□



75°

• R type insert
(mm)

Designation	H	W	L	S	h	ℓ	Insert	Lever	Screw	Shim	Shim Pin	Wrench	Shim Pin Punch
PSKNR/L 1616-H09	16	16	100	20	16	17	SN□□0903□□	LV3	VHX0617	SS32	SP3	HW25L	LSPS3
2020-K09	20	20	125	25	20	20	SN□□1204□□	LV4	VHX0821	SS42	SP4	HW30L	LSPS4
2020-K12	20	20	125	25	20	23							
2525-M12	25	25	150	32	25	23							
3232-P12	32	32	170	40	32	23	SN□□1506□□	LV5	VHX0825	SS53	SP5	HW30L	LSPS5
2525-M15	25	25	150	32	25	28							
3232-P15	32	32	170	40	32	28							
3232-P19	32	32	170	40	32	41.5	SN□□1906□□	LV6N	VHX1027N	SS63N	SP6N	HW40L	LSPS6
4040-S19	40	40	250	50	40	41.5							
4040-S25	40	40	250	50	40	46							
4040-S25-6	40	40	250	50	40	46	SN□□2509□□	LV8N	VHX1236N	SS84N	SP8N	HW50L	LSPS8
5050-T25-6	50	50	300	60	50	37.5	SN□□2509□□						

➔ Applicable inserts B50-B57



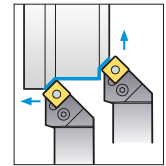
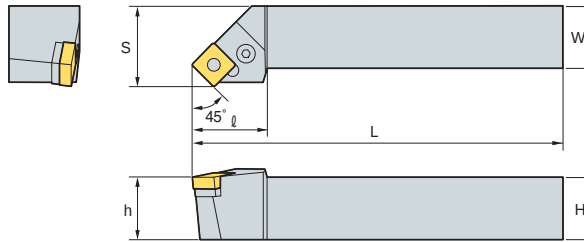
B

Turning

PSSNR/L



SN□□



45°

• R type insert (mm)

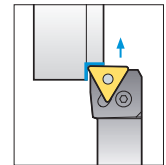
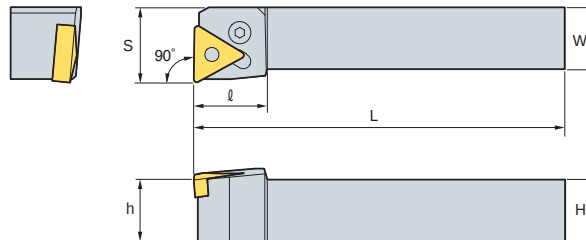
Designation	H	W	L	S	h	ℓ	Insert	Lever	Screw	Shim	Shim Pin	Wrench	Shim Pin Punch
PSSNR/L 1616-H09	16	16	100	20	16	25	SN□□0903□□	LV3	VHX0617	SS32	SP3	HW25L	LSPS3
2020-K12	20	20	125	25	20	30	SN□□1204□□	LV4	VHX0821	SS42	SP4	HW30L	LSPS4
2525-M12	25	25	150	32	25	36							
3225-P12	32	25	170	32	32	36	SN□□1506□□	LV5	VHX0825	SS53	SP5	HW30L	LSPS5
3232-P12	32	32	170	40	32	40							
2525-M15	25	25	150	32	25	36	SN□□1906□□	LV6N	VHX1027N	SS63N	SP6N	HW40L	LSPS6
3232-P15	32	32	170	40	32	45							
3232-P19	32	32	170	40	32	41.5	SN□□2507□□	LV8N	VHX1236N	SS84N	SP8N	HW50L	LSPS8
4040-R19	40	40	200	50	40	41.5							
4040-S19	40	40	250	50	40	41.5	SN□□2509□□						
4040-S25	40	40	250	50	40	48							
4040-S25-6	40	40	250	50	40	48	SN□□2509□□						

➔ Applicable inserts B50-B57

PTFNR/L



TN□□



90°

• R type insert (mm)

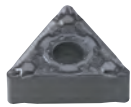
Designation	H	W	L	S	h	ℓ	Insert	Lever	Screw	Shim	Shim Pin	Wrench	Shim Pin Punch
PTFNR/L 1616-H16	16	16	100	20	16	20	TN□□1604□□	LV3	VHX0617	ST317	SP3	HW25L	LSPS3
2020-K16	20	20	125	25	20	20							
2525-M16	25	25	150	32	25	20	TN□□2204□□	LV4	VHX0821	ST42	SP4	HW30L	LSPS4
2525-M22	25	25	150	32	25	25							
3232-P22	32	32	170	40	32	25	TN□□2706□□	LV5	VHX0825	ST53	SP5	HW30L	LSPS5
3232-P27	32	32	170	40	32	34							
4040-S27	40	40	250	50	40	34							

➔ Applicable inserts B58-B65

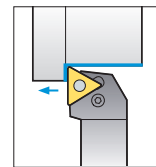
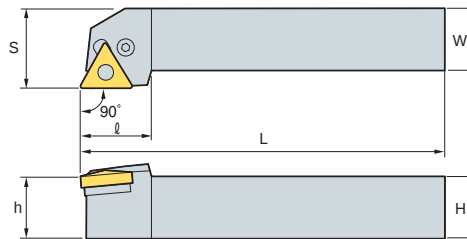


B Lever Lock System

PTGNR/L



TN□□



90°

• R type insert (mm)

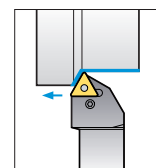
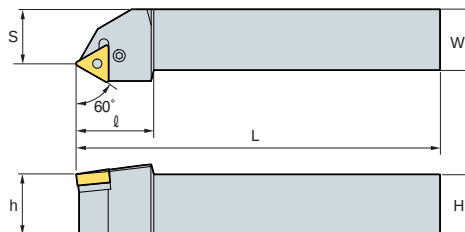
Designation	H	W	L	S	h	ℓ	Insert	Lever	Screw	Shim	Shim Pin	Wrench	Shim Pin Punch
PTGNR/L 1212-F11	12	12	80	16	12	16	TN□□1103□□	LV2	VHX0509B	-	-	HW20L	-
1616-H11	16	16	100	20	16	18							
2020-K11	20	20	125	25	20	19							
2525-M11	25	25	150	32	25	20							
1616-H16	16	16	100	20	16	20	TN□□1604□□	LV3	VHX0617	ST317	SP3	HW25L	LSPS3
2020-K16	20	20	125	25	20	20							
2525-M16	25	25	150	32	25	20							
3232-P16	32	32	170	40	32	20							
2525-M22	25	25	150	32	25	28	TN□□2204□□	LV4	VHX0821	ST42	SP4	HW30L	LSPS4
3232-P22	32	32	170	40	32	28							
3232-P27	32	32	170	40	32	33	TN□□2706□□	LV5	VHX0825	ST53	SP5	HW30L	LSPS5
4040-S27	40	40	250	50	40	33							

Applicable inserts B58-B65

PTTNR/L



TN□□



60°

• R type insert (mm)

Designation	H	W	L	S	h	ℓ	Insert	Lever	Screw	Shim	Shim Pin	Wrench	Shim Pin Punch
PTTNR/L 1616-H16	16	16	100	13	16	25	TN□□1604□□	LV3	VHX0617	ST317	SP3	HW25L	LSPS3
2020-K16	20	20	125	17	20	25							
2525-M16	25	25	150	22	25	32							
2525-M22	25	25	150	22	25	32	TN□□2204□□	LV4	VHX0821	ST42	SP4	HW30L	LSPS4

Applicable inserts B58-B65

PWLNR/L



WN□□

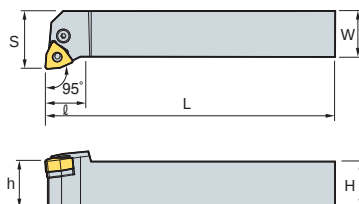


Fig. 1

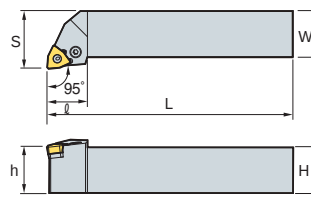
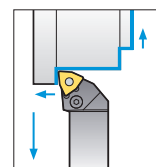


Fig. 2



95°

• R type insert (mm)

Designation	H	W	L	S	h	ℓ	Insert	Lever	Screw	Shim	Shim Pin	Wrench	Shim Pin Punch	Fig.
PWLNR/L 1616-H06	16	16	100	20	16	20	WN□□0604□□	LV3	VHX0617	SW317	SP3	HW25L	LSPS3	1
2020-K06	20	20	125	25	20	20								
2525-M06	25	25	150	32	25	20								
2020-K08	20	20	125	25	20	26	WN□□0804□□	LV4	VHX0821	SW42	SP4	HW30L	LSPS4	2
2525-M08	25	25	150	32	25	26								

Applicable inserts B68-B72



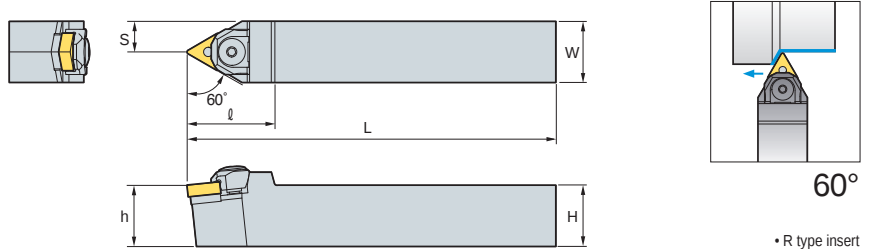
B

Turning

WTENN



TN□□



• R type insert (mm)

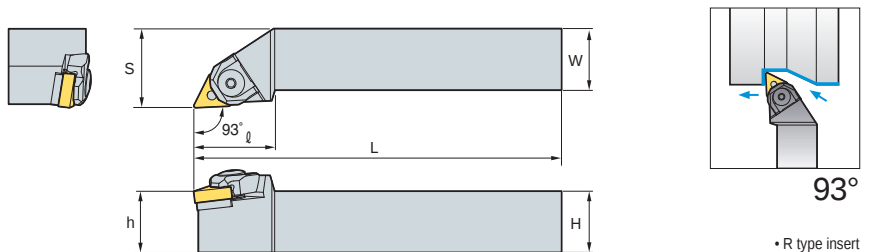
Designation	H	W	L	S	h	ℓ	Insert	Wedge Clamp	Screw	Stopper Ring	Shim	Shim Pin	Nut	Wrench
WTENN 2020-K16	20	20	125	10	20	36	TN□□1604□□							
2525-M16	25	25	150	12.5	25	36								
2525-M22	25	25	150	12.5	25	42								
3232-P22	32	32	170	16	32	42	TN□□2204□□							

➡ Applicable inserts B58-B65

WTJNR/L



TN□□



• R type insert (mm)

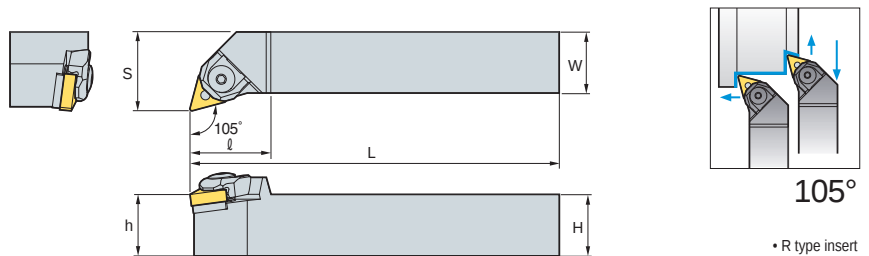
Designation	H	W	L	S	h	ℓ	Insert	Wedge Clamp	Screw	Stopper Ring	Shim	Shim Pin	Nut	Wrench
WTJNR/L 2020-K16	20	20	125	25	20	33	TN□□1604□□							
2525-M16	25	25	150	32	25	33								
3232-P16	32	32	170	40	32	33								
2525-M22	25	25	150	32	25	35	TN□□2204□□							
3232-P22	32	32	170	40	32	35								

➡ Applicable inserts B58-B65

WTXNR/L



TN□□



• R type insert (mm)

Designation	H	W	L	S	h	ℓ	Insert	Wedge Clamp	Screw	Stopper Ring	Shim	Shim Pin	Nut	Wrench
WTXNR/L 2020-K16	20	20	125	25	20	30	TN□□1604□□							
2525-M16	25	25	150	32	25	33								
3232-P16	32	32	170	40	32	33								

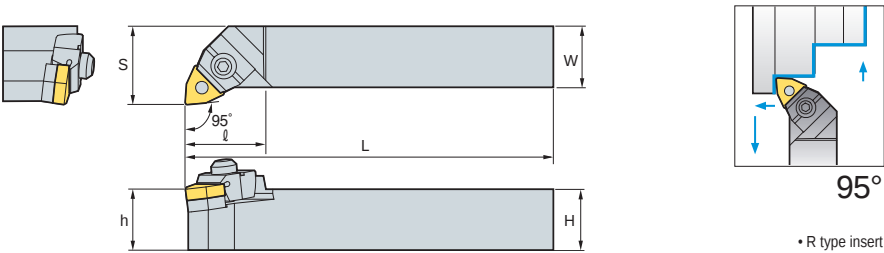
➡ Applicable inserts B58-B65

B Wedge Clamp System

WWLNR/L



WN□□



• R type insert
(mm)

Designation	H	W	L	S	h	l	Insert	Wedge Clamp	Screw	Stopper Ring	Shim	Shim Pin	Nut	Wrench
WWLNR/L 2020-K08	20	20	125	25	20	32	WN□□0804□□	CMH6R/L3				SP2M		
2525-M08	25	25	150	32	25	33		CMH6R2	MHX0630	CR05	SW43M		N0508	HW30L
3232-P08	32	32	170	40	32	33		CMH6R2				SP4M		HW40L

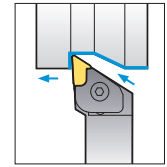
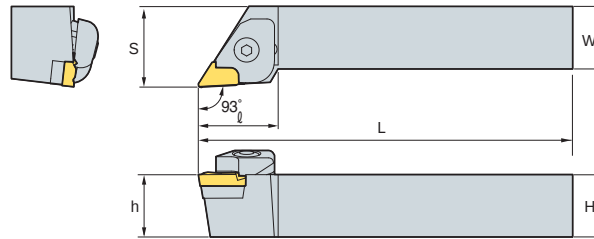
↻ Applicable inserts B68-B72



CKJNR/L



KN□□



93°

• R type insert (mm)

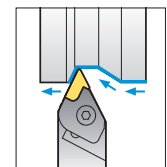
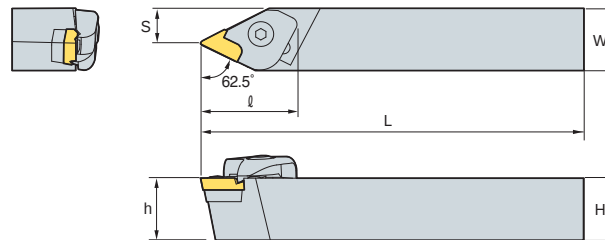
Designation	H	W	L	S	h	ℓ	Insert	Clamp	Clamp Screw	Spring	Shim	Pin + Spring	Shim Screw	Wrench
CKJNR 2020-K16	20	20	125	25	20	32	KN□□1604□□R							
2525-M16	25	25	150	32	25	32								
3225-M16	32	25	150	32	32	32								
3225-P16	32	25	170	32	32	32								
3232-P16	32	32	170	40	32	32								
4040-R16	40	40	200	50	40	32								
CKJNL 2020-K16	20	20	125	25	20	32	KN□□1604□□L							
2525-M16	25	25	150	32	25	32								
3232-P16	32	32	170	40	32	32								
4040-R16	40	40	200	50	40	32								

➔ Applicable inserts B49

CKNNR/L



KN□□



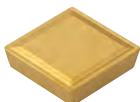
62.5°

• R type insert (mm)

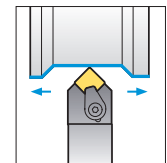
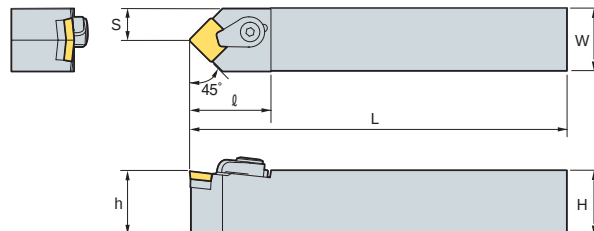
Designation	H	W	L	S	h	ℓ	Insert	Clamp	Clamp Screw	Spring	Shim	Pin + Spring	Shim Screw	Wrench
CKNNR 2525-M16	25	25	150	14.3	25	37	KN□□ 1604□□R							
3232-P16	32	32	170	16.8	32	37								
CKNNL 2525-M16	25	25	150	14.3	25	37	KN□□ 1604□□L							
3232-P16	32	32	170	16.8	32	37								

➔ Applicable inserts B49

CSDPN



SP□R



45°

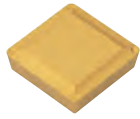
• R type insert (mm)

Designation	H	W	L	S	h	ℓ	Insert	Clamp	Clamp Screw	Shim	Shim Pin	C-Ring	Wrench
CSDPN 1616-H09	16	16	100	8	16	30	SP□R 0903□□						
2525-M12	25	25	150	12.5	25	35	SP□R 1203□□						

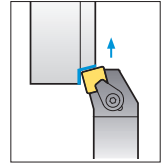
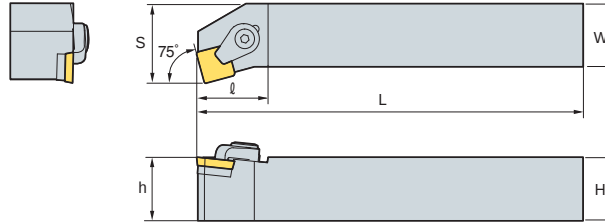
➔ Applicable inserts B85-B86

B Clamp on System

CSKPR/L



SP□R



75°

• R type insert (mm)

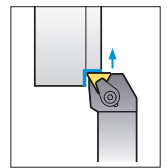
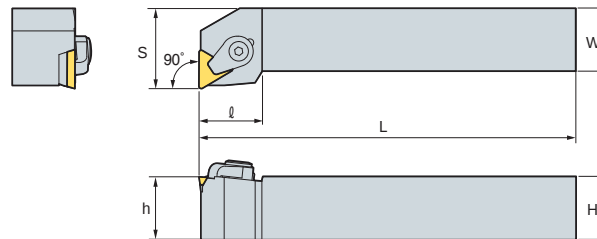
Designation	H	W	L	S	h	l	Insert	Clamp	Clamp Screw	Shim	Shim Pin	C-Ring	Wrench
CSKPR/L 2525-M12	25	25	150	32	20	32	SP□R 1203□□	CH6R5	CHX0414C	SS42C	SP3C	CR04C	HW30L

➔ Applicable inserts B85~B86

CTFPR/L



TP□R



90°

• R type insert (mm)

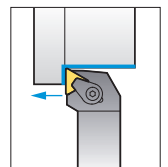
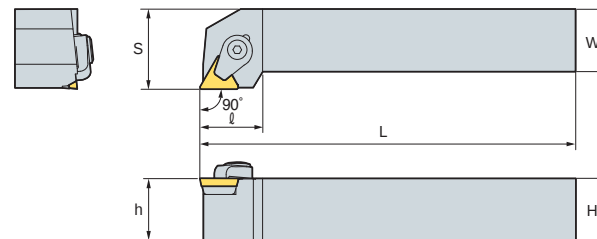
Designation	H	W	L	S	h	l	Insert	Clamp	Clamp Screw	Shim	Shim Pin	C-Ring	Wrench
CTFPR/L 2020-K16	25	25	125	25	20	32	TP□R 1603□□	CH6R5	CHX0622C	ST32C	SP3C	CR04C	HW30L
2525-M16	25	25	150	32	25	32							

➔ Applicable inserts B90~B93

CTGPR/L



TP□R



90°

• R type insert (mm)

Designation	H	W	L	S	h	l	Insert	Clamp	Clamp Screw	Shim	Shim Pin	C-Ring	Wrench
CTGPR/L 1212-F11	12	12	80	16	12	20	TP□R 1103□□	CH53R1	CHX0515C	-	-	CR03C	HW25L
1616-H11	16	16	100	20	16	20							
2020-K11	20	20	125	25	20	20							
2020-K16	20	20	125	25	20	25	TP□R 1603□□	CH6R5	CHX0622C	ST32C	SP3C	CR04C	HW30L
2525-M16	25	25	150	32	25	25							
2525-M22	25	25	150	32	25	32							
3232-P22	32	32	170	40	32	32	TP□R 2204□□	CH83R1	CHX0823C	ST43C	SP4C	CR05C	HW40L

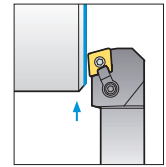
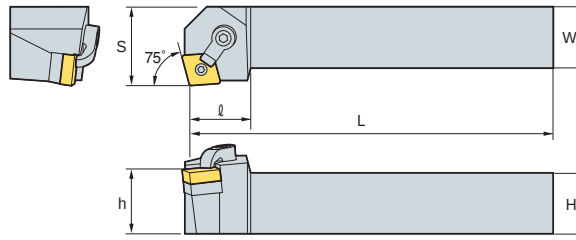
➔ Applicable inserts B90~B93



MCKNR/L



CN□□



75°

• R type insert
(mm)

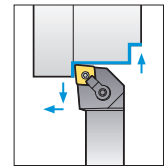
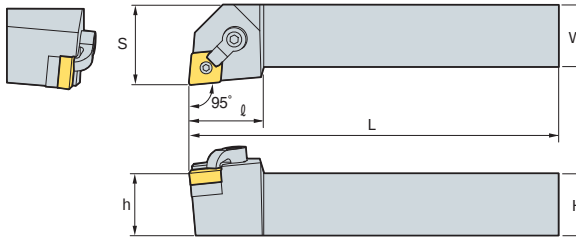
Designation	H	W	L	S	h	ℓ	Insert	Clamp	Clamp Screw	Shim	Shim Pin	Wrench
MCKNR/L 2020-K12	20	20	125	25	20	32	CN□□1204□□	CDH6N	DHA1/4-25	SC43D	SP4D	HW31.8L HW23.8L
2525-M12	25	25	150	32	25	32						
3232-P12	32	32	170	40	32	32						

→ Applicable inserts B36-B42

MCLNR/L



CN□□



95°

• R type insert
(mm)

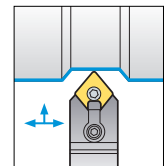
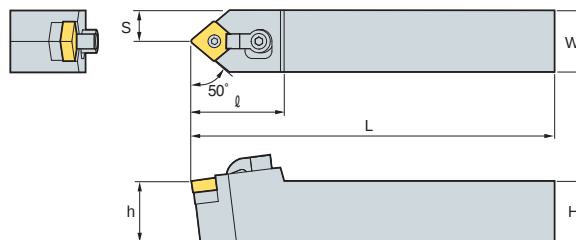
Designation	H	W	L	S	h	ℓ	Insert	Clamp	Clamp Screw	Shim	Shim Pin	Wrench
MCLNR/L 1616-H09	16	16	100	20	16	25	CN□□0903□□	CDH7N	DHA10-32-19	SC32D	SP3DS	HW23.8L HW19.8L
2020-K09	20	20	125	25	20	25						
2525-M09	25	25	150	32	25	25						
2020-K12	20	20	125	25	20	32	CN□□1204□□	CDH6N	DHA1/4-25	SC43D	SP4D	HW31.8L HW23.8L
2525-M12	25	25	150	32	25	32						
3225-P12	32	25	170	32	32	32						
3232-P12	32	32	170	40	32	32	CN□□1606□□	CDH8N	DHA5/16-32	SC53D	SP5D	HW39.7L HW31.8L
2525-M16	25	25	150	32	25	33						
3232-P16	32	32	170	40	32	33						
4040-S16	40	40	250	50	40	33	CN□□1906□□	CDH8N	DHA5/16-32	SC63D	SP6D	HW39.7L HW35.7L
2525-M19	25	25	150	32	25	38						
3232-P19	32	32	170	40	32	38						
4040-S19	40	40	250	50	40	38	CN□□2507□□	CDH8N3	DHA3/8-35	SC84D	SP8D	HW39.7L HW47.6L
4040-S25	40	40	250	50	40	38						

→ Applicable inserts B36-B42

MCMNN



CN□□



50°

• R type insert
(mm)

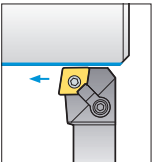
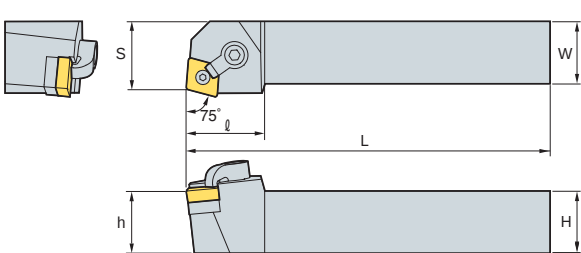
Designation	H	W	L	S	h	ℓ	Insert	Clamp	Clamp Screw	Shim	Shim Pin	Wrench
MCMNN 2020-K12	20	20	125	10	20	32	CN□□1204□□	CDH6N	DHA1/4-25	SC43D	SP4D	HW31.8L HW23.8L
2525-M12	25	25	150	12.5	25	32						
3232-P12	32	32	170	16	32	32						
2525-M16	25	25	150	12.5	25	40	CN□□1606□□	CDH8N	DHA5/16-32	SC53D	SP5D	HW39.7L HW31.8L
3232-P16	32	32	170	16	32	40						
3232-P19	32	32	170	16	32	40						
4040-S19	40	40	250	20	40	32	CN□□1906□□	CDH8N	DHA5/16-32	SD63D	SP6D	HW39.7L HW35.7L

→ Applicable inserts B36-B42

MCRNR/L



CN□□



75°

• R type insert (mm)

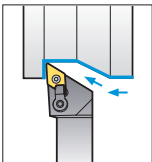
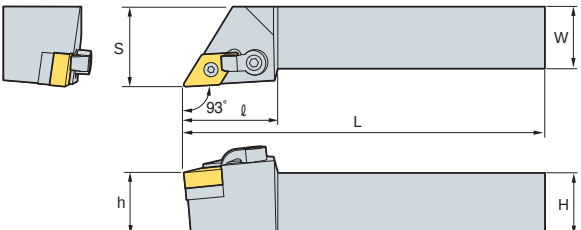
Designation	H	W	L	S	h	ℓ	Insert	Clamp	Clamp Screw	Shim	Shim Pin	Wrench
MCRNR/L 2020-K12	20	20	125	22	20	32	CN□□1204□□	CDH8N1	DHA5/16-32	SC43D	SP4D	HW39.7L HW23.8L
2525-M12	25	25	150	27	25	32						
2525-M16	25	25	150	27	25	33	CN□□1606□□	CDH8N1	DHA5/16-32	SC53D	SP5D	HW39.7L HW31.8L
3232-P16	32	32	170	35	32	33						
3232-P19	32	32	170	35	32	38	CN□□1906□□	CDH8N1	DHA5/16-32	SC63D	SP6D	HW39.7L HW35.7L
4040-S19	40	40	250	43	40	38						

➔ Applicable inserts B36-B42

MDJNR/L



DN□□



93°

• R type insert (mm)

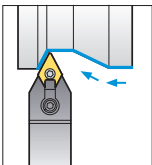
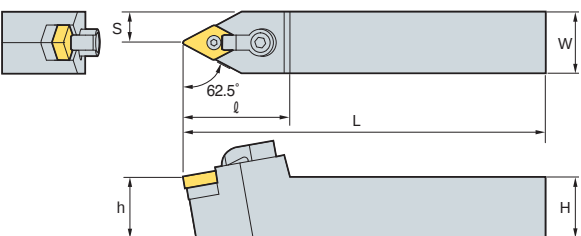
Designation	H	W	L	S	h	ℓ	Insert	Clamp	Clamp Screw	Shim	Shim Pin	Wrench
MDJNR/L 2020-K11	20	20	125	25	20	32	DN□□1104□□	CDH6N	DHA1/4-19	SD32D	SP3D	HW31.8L HW19.8L
2525-M11	25	25	150	32	25	32						
2020-K15-3	20	20	125	25	20	36	DN□□1504□□	CDH6N	DHA1/4-25	SD43D	SP4D	HW31.8L HW23.8L
2525-M15-3	25	25	150	32	25	36						
3232-P15-3	32	32	170	40	32	36	DN□□1506□□	CDH6N	DHA1/4-25	SD43D	SP4DL	HW31.8L HW23.8L
2020-K15	20	20	125	25	20	36						
2525-M15	25	25	150	32	25	36						
3232-P15	32	32	170	40	32	36						

➔ Applicable inserts B43-B48

MDNNN



DN□□



62.5°

(mm)

Designation	H	W	L	S	h	ℓ	Insert	Clamp	Clamp Screw	Shim	Shim Pin	Wrench
MDNNN 2525-M15-3	25	25	150	12.5	25	41	DN□□1504□□	CDH8N	DHA5/16-32	SD43D	SP4D	HW39.7L HW23.8L
2525-M15	25	25	150	12.5	25	41	DN□□1506□□	CDH8N	DHA5/16-32	SD43D	SP4DL	HW39.7L HW23.8L

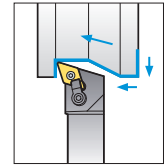
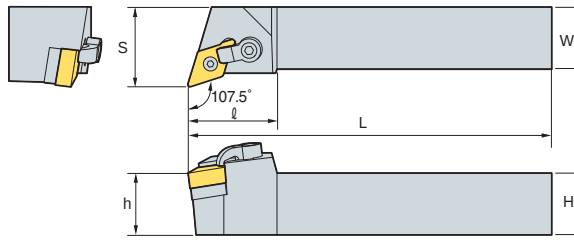
➔ Applicable inserts B43-B48



MDQNR/L



DN□□



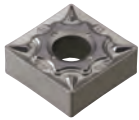
107.5°

• R type insert (mm)

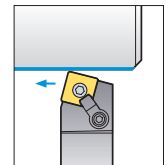
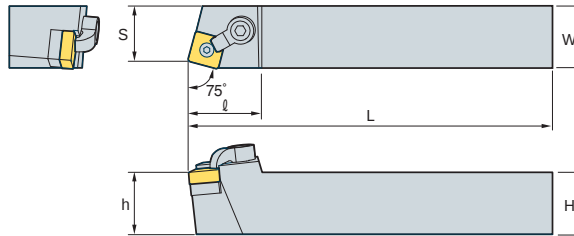
Designation	H	W	L	S	h	ℓ	Insert	Clamp	Clamp Screw	Shim	Shim Pin	Wrench
MDQNR/L 2525-M15-3	25	25	150	32	25	36	DN□□1504□□	CDH6N	DHA1/4-25	SD43D	SP4D	HW31.8L HW23.8L
3232-P15-3	32	32	170	40	32	36						
2525-M15	25	25	150	32	25	36	DN□□1506□□	CDH6N	DHA1/4-25	SD43D	SP4DL	HW31.8L HW23.8L
3232-M15	32	32	170	40	32	36						

→ Applicable inserts B43-B48

MSBNR/L



SN□□



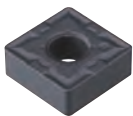
75°

• R type insert (mm)

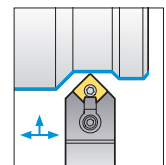
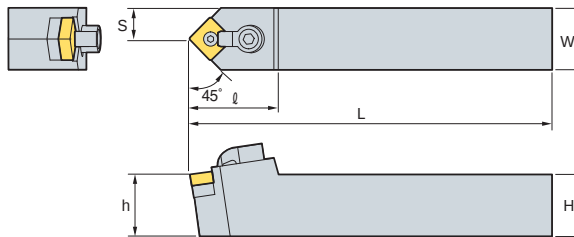
Designation	H	W	L	S	h	ℓ	Insert	Clamp	Clamp Screw	Shim	Shim Pin	Wrench
MSBNR/L 2020-K12	20	20	125	17	20	32	SN□□1204□□	CDH8N1	DHA5/16-32	SS43D	SP4D	HW39.7L HW23.8L
2525-M12	25	25	150	22	25	32						
2525-M15	25	25	150	22	25	35	SN□□1506□□	CDH8N	DHA5/16-32	SS53D	SP5D	HW39.7L HW31.8L
3232-P15	32	32	170	22	32	35						
3232-P19	32	32	170	27	32	40	SN□□1906□□	CDH8N	DHA5/16-32	SS63D	SP6D	HW39.7L HW35.7L
4040-S19	40	40	250	35	40	40						

→ Applicable inserts B50-B57

MSDNN



SN□□



45°

(mm)

Designation	H	W	L	S	h	ℓ	Insert	Clamp	Clamp Screw	Shim	Shim Pin	Wrench
MSDNN 1616-H09	16	16	100	8	16	28	SN□□0903□□	CDH7N	DHA10-32-19	SS32D	SP3DS	HW19.8L HW23.8L
2020-K09	20	20	125	10	20	28						
2020-K12	20	20	125	10	20	32						
2525-M12	25	25	150	12.5	25	32	SN□□1204□□	CDH8N1	DHA5/16-32	SS43D	SP4D	HW39.7L HW23.8L
3225-P12	32	25	170	12.5	32	32						
2525-M15	25	25	150	12.5	25	35						
3225-P15	32	25	170	12.5	32	35	SN□□1506□□	CDH8N	DHA5/16-32	SS53D	SP5D	HW39.7L HW31.8L
3232-P15	32	32	170	16	32	35						
4040-S15	40	40	250	20	40	35						
3232-P19	32	32	170	16	32	42	SN□□1906□□	CDH8N	DHA5/16-32	SS63D	SP6D	HW39.7L HW35.7L
4040-S19	40	40	250	20	40	42						

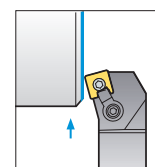
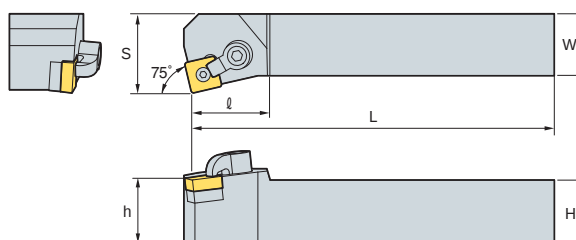
→ Applicable inserts B50-B57

B Multi Lock System

MSKNR/L



SN□□



75°

• R type insert
(mm)

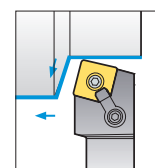
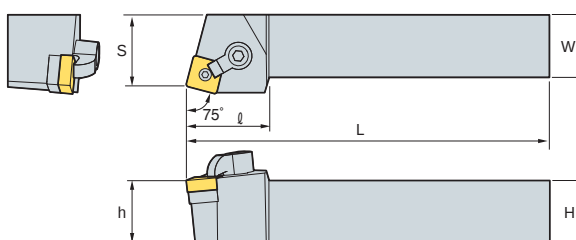
Designation	H	W	L	S	h	ℓ	Insert	Clamp	Clamp Screw	Shim	Shim Pin	Wrench
MSKNR/L 1616-H09	16	16	100	20	16	28	SN□□0903□□	CDH7N	DHA10-32-19	SS32D	SP3DS	HW19.8L HW23.8L
2020-K09	20	20	125	22	20	28						
2020-K12	20	20	125	25	20	32						
2525-M12	25	25	150	32	25	32	SN□□1204□□	CDH8N1	DHA5/16-32	SS43D	SP4D	HW39.7L HW23.8L
3225-P12	32	25	170	32	32	32						
2525-M15	25	25	150	32	25	35						
3232-P15	32	32	170	40	32	35	SN□□1506□□	CDH8N	DHA5/16-32	SS53D	SP5D	HW39.7L HW31.8L
3232-P19	32	32	170	40	32	40						
4040-S19	40	40	250	50	40	40						
4040-S25	40	40	250	50	40	40	SN□□2507□□	CDH8N3	DHA3/8-35	SS84D	SP8D	HW47.6L HW39.7L

➔ Applicable inserts B50~B57

MSRNR/L



SN□□



75°

• R type insert
(mm)

Designation	H	W	L	S	h	ℓ	Insert	Clamp	Clamp Screw	Shim	Shim Pin	Wrench
MSRNR/L 1616-H09	16	16	100	17	16	28	SN□□0903□□	CDH7N	DHA10-32-19	SS32D	SP3DS	HW19.8L HW23.8L
2020-K09	20	20	125	22	20	28						
2020-K12	20	20	125	22	20	32						
2525-M12	25	25	150	27	25	32	SN□□1204□□	CDH8N1	DHA5/16-32	SS43D	SP4D	HW39.7L HW23.8L
2525-M15	25	25	150	27	25	35						
3232-P15	32	32	170	35	32	35						
3225-P19	32	25	170	27	32	40	SN□□1506□□	CDH8N	DHA5/16-32	SS53D	SP5D	HW39.7L HW31.8L
3232-P19	32	32	170	35	32	40						
4040-S19	40	40	250	43	40	40						
4040-S25	40	40	250	43	40	40	SN□□2507□□	CDH8N3	DHA3/8-35	SS84D	SP8D	HW47.6L HW39.7L

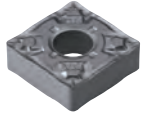
➔ Applicable inserts B50~B57



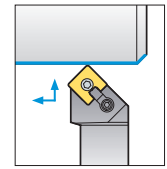
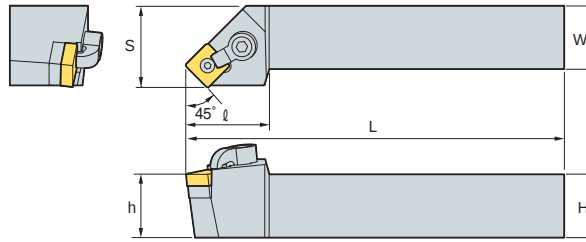
B

Turning

MSSNR/L



SN□□



45°

• R type insert (mm)

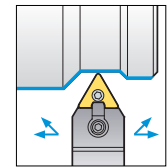
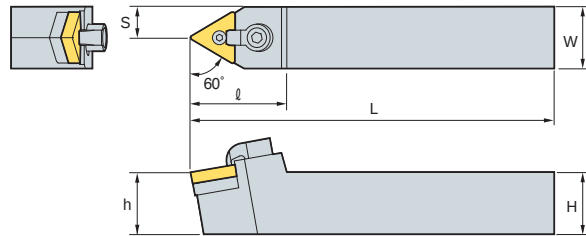
Designation	H	W	L	S	h	l	Insert	Clamp	Clamp Screw	Shim	Shim Pin	Wrench
MSSNR/L 1616-H09	16	16	100	20	16	28	SN□□0903□□	CDH7N	DHA10-32-19	SS32D	SP3DS	HW19.8L HW23.8L
2020-K09	20	20	125	25	20	28						
2020-K12	20	20	125	25	20	32						
2525-M12	25	25	150	32	25	32	SN□□1204□□	CDH8N1	DHA5/16-32	SS43D	SP4D	HW39.7L HW23.8L
2525-M15	25	25	150	32	25	35						
3232-P15	32	32	170	40	32	35	SN□□1506□□	CDH8N1	DHA5/16-32	SS53D	SP5D	HW39.7L HW31.8L
3232-P19	32	32	170	40	32	40						
4040-S19	40	40	250	50	40	40	SN□□1906□□	CDH8N1	DHA5/16-32	SS63D	SP6D	HW39.7L HW35.7L

Applicable inserts B50~B57

MTENN



TN□□



60°

(mm)

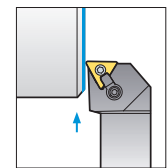
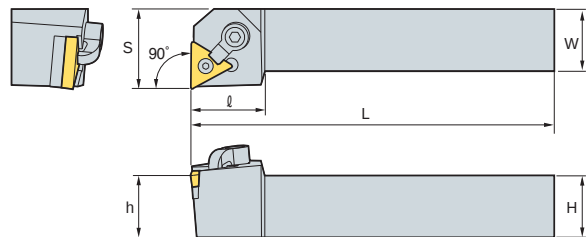
Designation	H	W	L	S	h	l	Insert	Clamp	Clamp Screw	Shim	Shim Pin	Wrench
MTENN 2020-K16	20	20	125	10	20	32	TN□□1604□□	CDH7N	DHA10-32-19	ST32D	SP3D	HW23.8L HW19.8L
2525-M16	25	25	150	12.5	25	32						
2525-M22	25	25	150	12.5	25	35	TN□□2204□□	CDH8N1	DHA5/16-32	ST43D	SP4D	HW39.7L HW23.8L
3232-P27	32	32	170	16	32	35	TN□□2706□□	CDH8N1	DHA5/16-32	ST53D	SP5D	HW39.7L HW31.8L
4040-S33	40	40	250	20	40	40	TN□□3307□□	CDH8N	DHA5/16-32	ST63D	SP6DL	HW39.7L HW35.7L

Applicable inserts B58~B65

MTFNR/L



TN□□



90°

• R type insert (mm)

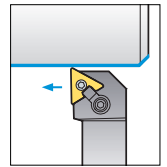
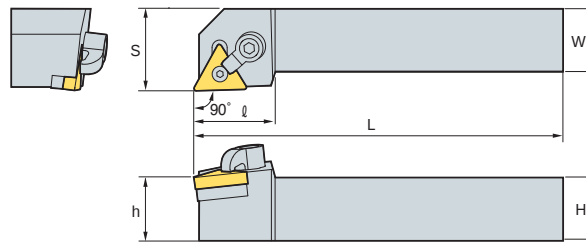
Designation	H	W	L	S	h	l	Insert	Clamp	Clamp Screw	Shim	Shim Pin	Wrench
MTFNR/L 1616-H16	16	16	100	20	16	32	TN□□1604□□	CDH7N	DHA10-32-19	ST32D	SP3D	HW23.8L HW19.8L
2020-K16	20	20	125	25	20	32						
2525-M16	25	25	150	32	25	32						
2525-M22	25	25	150	32	25	32	TN□□2204□□	CDH8N1	DHA5/16-32	ST43D	SP4D	HW39.7L HW23.8L
3232-P22	32	32	170	40	32	32						
4040-S22	40	40	250	50	40	32						
3232-P27	32	32	170	40	32	35	TN□□2706□□	CDH8N1	DHA5/16-32	ST53D	SP5D	HW39.7L HW31.8L
4040-S27	40	40	250	50	40	35						
4040-S33	40	40	250	50	40	40	TN□□3307□□	CDH8N	DHA5/16-32	ST63D	SP6DL	HW39.7L HW35.7L

Applicable inserts B58~B65

MTGNR/L



TN□□



90°

• R type insert
(mm)

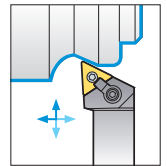
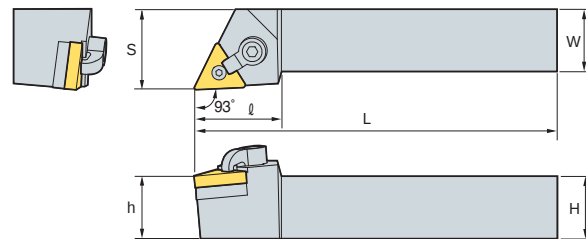
Designation	H	W	L	S	h	l	Insert	Clamp	Clamp Screw	Shim	Shim Pin	Wrench
MTGNR/L 1616-H16	16	16	100	20	16	32	TN□□1604□□	CDH7N	DHA10-32-19	ST32D	SP3D	HW23.8L HW19.8L
2020-K16	20	20	125	25	20	32						
2525-M16	25	25	150	32	25	32						
2525-M22	25	25	150	32	25	32	TN□□2204□□	CDH8N1	DHA5/16-32	ST43D	SP4D	HW39.7L HW23.8L
3232-P22	32	32	170	40	32	32						
3232-P27	32	32	170	40	32	35	TN□□2706□□	CDH8N1	DHA5/16-32	ST53D	SP5D	HW39.7L HW31.8L
4040-S27	40	40	250	50	40	35						
4040-S33	40	40	250	50	40	40	TN□□3307□□	CDH8N	DHA5/16-32	ST63D	SP6DL	HW39.7L HW35.7L

Applicable inserts B58-B65

MTJNR/L



TN□□



93°

• R type insert
(mm)

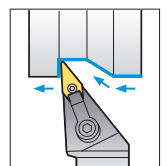
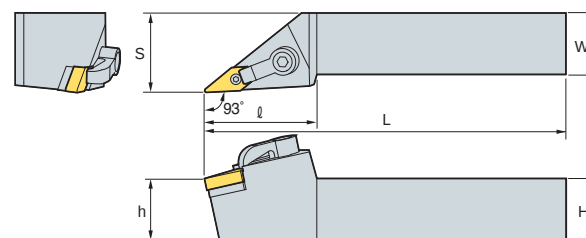
Designation	H	W	L	S	h	l	Insert	Clamp	Clamp Screw	Shim	Shim Pin	Wrench
MTJNR/L 2020-K16	20	20	125	25	20	32	TN□□1604□□	CDH7N	DHA10-32-19	ST32D	SP3D	HW23.8L HW19.8L
2525-M16	25	25	150	32	25	32						
2525-M22	25	25	150	32	25	32						
3232-P22	32	32	170	40	32	32	TN□□2204□□	CDH8N1	DHA5/16-32	ST43D	SP4D	HW39.7L HW23.8L
3232-P27	32	32	170	40	32	35						
4040-S27	40	40	250	50	40	35	TN□□2706□□	CDH8N1	DHA5/16-32	ST53D	SP5D	HW39.7L HW31.8L
4040-S33	40	40	250	50	40	40						
	40	40	250	50	40	40	TN□□3307□□	CDH8N	DHA5/16-32	ST63D	SP6DL	HW39.7L HW35.7L

Applicable inserts B58-B65

MVJNR/L



VN□□



93°

• R type insert
(mm)

Designation	H	W	L	S	h	l	Insert	Clamp	Clamp Screw	Shim	Shim Pin	Wrench
MVJNR/L 2020-K16	20	20	125	25	20	44	VN□□1604□□	CDH8N2	DHA5/16-32	SV32D	SP3D	HW39.7L HW19.8L
2525-M16	25	25	150	32	25	45.5						
3232-P16	32	32	170	40	32	55.5						
2525-M22	25	25	150	32	25	56	VN□□2204□□	CDH8N2	DHA5/16-32	SV43D	SP4D	HW39.7L HW23.8L
3232-P22	32	32	170	40	32	55						
4040-S22	40	40	250	50	40	65						

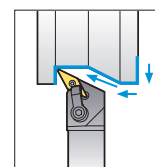
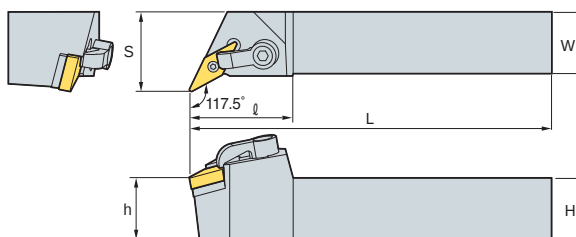
Applicable inserts B66-B67



MVQNR/L



VN□□



117.5°

• R type insert
(mm)

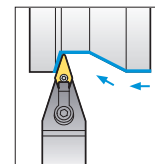
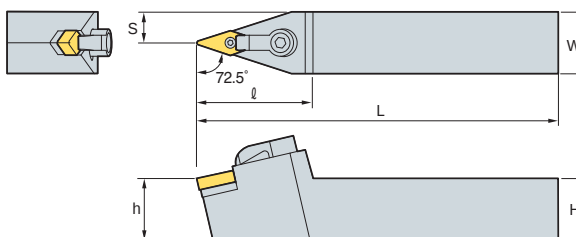
Designation	H	W	L	S	h	ℓ	Insert	Clamp	Clamp Screw	Shim	Shim Pin	Wrench
MVQNR/L 2020-K16	20	20	125	25	20	42	VN□□1604□□					
2525-M16	25	25	150	32	25	42						
3232-P16	32	32	170	40	32	37						

Applicable inserts B66-B67

MVVNN



VN□□



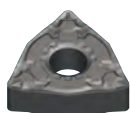
72.5°

(mm)

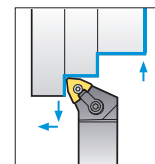
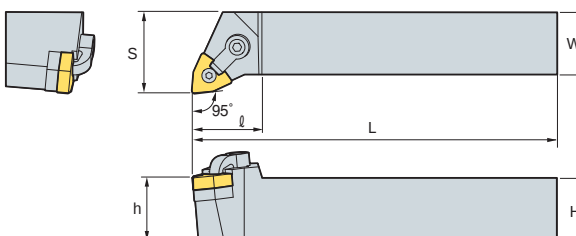
Designation	H	W	L	S	h	ℓ	Insert	Clamp	Clamp Screw	Shim	Shim Pin	Wrench
MVVNN 2020-K16	20	20	125	25	20	42	VN□□1604□□					
2525-M16	25	25	150	32	25	42						

Applicable inserts B66-B67

MWLNR/L



WN□□



95°

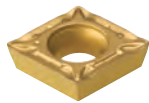
• R type insert
(mm)

Designation	H	W	L	S	h	ℓ	Insert	Clamp	Clamp Screw	Shim	Shim Pin	Wrench
MWLNR/L 2020-K06	20	20	125	25	20	32	WN□□0604□□					
2525-M06	25	25	150	32	25	32						
3232-P06	32	32	170	40	32	32						
2020-K08	20	20	125	25	20	32	WN□□0804□□					
2525-M08	25	25	150	32	25	32						
3232-P08	32	32	170	40	32	32						

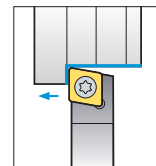
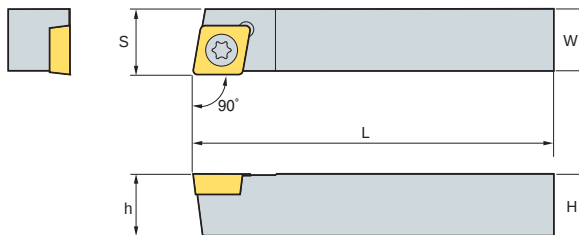
Applicable inserts B68-B72

B Screw on System

SCACR/L



CC□T



90°

• R type insert
(mm)

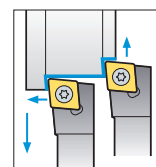
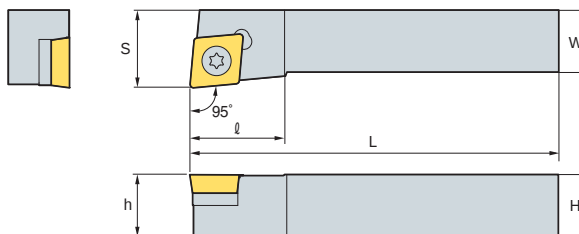
Designation	H	W	L	S	h	Insert	Screw	Shim	Shim Screw	Wrench
SCACR/L 1010-E06	10	10	70	10.5	10	CC□T0602□□	FTKA02565	-	-	TW07P
1212-F09	12	12	80	12.5	12	CC□T09T3□□	FTKA03508	-	-	TW15P

➔ Applicable inserts B73-B77, B103

SCLCR/L



CC□T



95°

• R type insert
(mm)

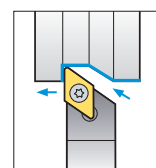
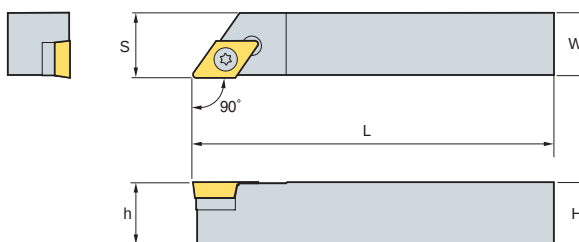
Designation	H	W	L	S	h	ℓ	Insert	Screw	Shim	Shim Screw	Wrench
SCLCR/L 0808-D06	08	08	60	10	08	10	CC□T0602□□	FTKA02565	-	-	TW07P
1010-E06	10	10	70	16	10	10					
1212-F09	12	12	80	20	12	16					
1616-H09	16	16	100	20	16	16	CC□T09T3□□	FTGA03508	-	-	TW15P
2020-K09	20	20	125	25	20	16					
2525-M09	25	25	150	32	25	26					
2020-K12	20	20	125	25	20	25	CC□T1204□□	FTGA03508	-	-	TW15P
2525-M12	25	25	150	32	25	26	CC□T1204□□	FTGA0411F	SC42S	SHXN0610F	TW15P, HW40L

➔ Applicable inserts B73-B77, B103

SDACR/L



DC□T



90°

• R type insert
(mm)

Designation	H	W	L	S	h	Insert	Screw	Shim	Shim Screw	Wrench
SDACR/L 1010-E07	10	10	70	10.5	10	DC□T0702□□	FTKA02565	-	-	TW07P
1212-F11	12	12	80	12.5	12	DC□T11T3□□	FTKA03508	-	-	TW15P
1616-H11	16	16	100	16.5	16		FTGA03512	SD32S	SHXN0509F	TW15P, HW35L

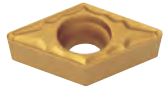
➔ Applicable inserts B79-B82, B104



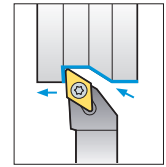
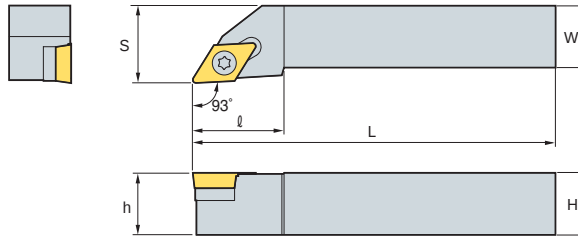
B

Turning

SDJCR/L



DC□T



93°

• R type insert
(mm)

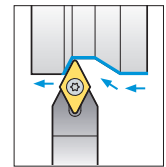
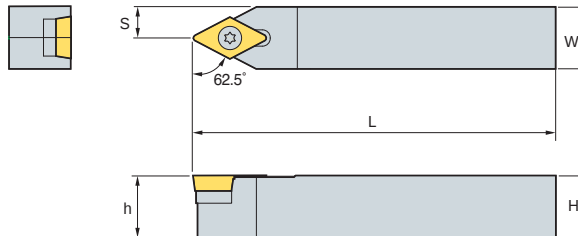
Designation	H	W	L	S	h	ℓ	Insert	Screw	Shim	Shim Screw	Wrench
SDJCR/L 1010-E07	10	10	70	12	10	15	DC□T0702□□	FTKA02565	-	-	TW07P
1212-F07	12	12	80	16	12	15					
1616-H07	16	16	100	20	16	18					
2020-K07	20	20	125	25	20	15					
1212-F11	12	12	80	16	12	15	DC□T11T3□□	FTGA03512	SD32S	SHXN0509F	TW15P, HW35L
1616-H11	16	16	100	20	16	24					
2020-K11	20	20	125	25	20	24					
2525-M11	25	25	150	32	25	29					

Applicable inserts B79-B82, B104

SDNCN



DC□T



62.5°

(mm)

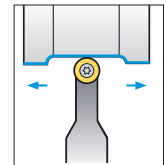
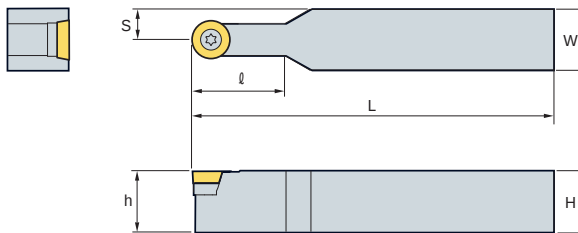
Designation	H	W	L	S	h	Insert	Screw	Shim	Shim Screw	Wrench
SDNCN 1010-E07	10	10	70	5	10	DC□T0702□□	FTKA02565	-	-	TW07P
1212-F07	12	12	80	6	12					
1212-H11	12	12	100	6	12	DC□T11T3□□	FTGA03508	-	-	TW15P
1616-H11	16	16	100	8	16	DC□T11T3□□	FTGA03512	SD32S	SHXN0509F	TW15P, HW35L
2020-K11	20	20	125	10	20					
2025-M11	25	25	150	12.5	25	DC□T11T3□□	FTGA03512	SD32S	SHXN0509F	TW25P, HW35L

Applicable inserts B79-B82, B104

SRDCN



RC□T



(mm)

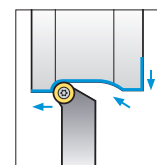
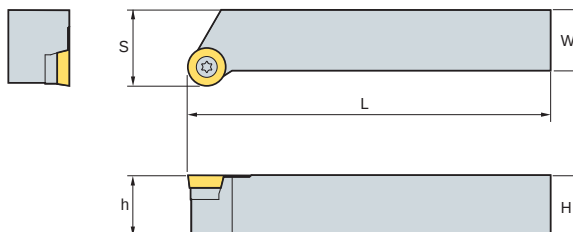
Designation	H	W	L	S	h	ℓ	Insert	Screw	Shim	Shim Screw	Wrench
SRDCN 1010-E06	10	10	70	5	10	10	RC□T0602M0	FTKA02565	-	-	TW07P
1212-F06	12	12	80	6	12	12					
1616-H06	16	16	100	8	16	12					
2525-M06	25	25	150	12.5	25	20					
1616-H08	16	16	100	8	16	16	RC□T0803M0	FTNA0307	-	-	TW09P
2020-K08	20	20	125	10	20	20					
2525-M08	25	25	150	12.5	25	20					
1616-H10	16	16	100	8	16	25	RC□T1003M0	FTKA03511A	SR10S	SHXN0509F	TW15P HW35L
2020-K10	20	20	125	10	20	25					
2525-M10	25	25	150	12.5	25	25	RC□T1204M0	FTGA03512	SR12S	SHXN0509F	TW15P HW35L
2020-K12	20	20	125	10	20	28					
2525-M12	25	25	150	12.5	25	28					

Applicable inserts B83, B105

SRGCR/L



RC□T



• R type insert
(mm)

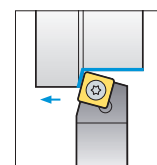
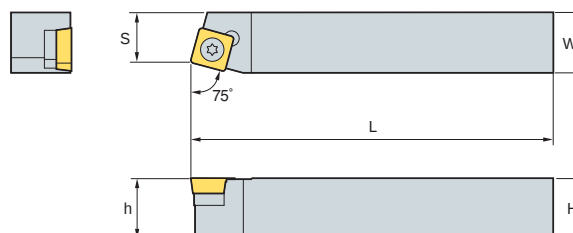
Designation		H	W	L	S	h	Insert				
SRGCR/L	1010-E06	10	10	70	12	10	RC□T0602M0	FTKA02565	-	-	TW07P
	1212-F06	12	12	80	16	12					
	1616-H06	16	16	100	20	16					
	1616-H08	16	16	100	20	16	RC□T0803M0	FTNA0307	-	-	TW09P
	2020-K08	20	20	125	25	20					
	2525-M08	25	25	150	32	25					
	1616-H10	16	16	100	20	16	RC□T1003M0	FTKA03511A	SR10S	SHXN0509F	TW15P HW35L
	2020-K10	20	20	125	25	20					
	2525-M10	25	25	150	32	25					
	2020-K12	20	20	125	25	20	RC□T1204M0	FTGA03512	SR12S	SHXN0509F	TW15P HW35L
	2525-M12	25	25	150	32	25					

➔ Applicable inserts B83, B105

SSBCR/L



SC□T



75°

• R type insert
(mm)

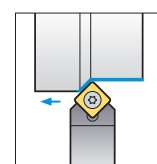
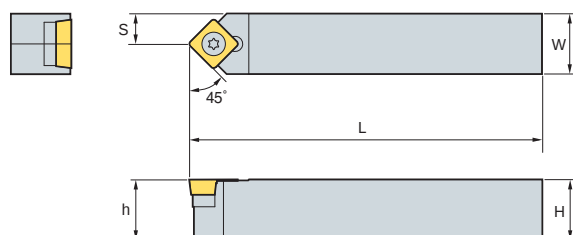
Designation	H	W	L	S	h	Insert	 Screw	 Shim	 Shim Screw	 Wrench	
SSBCR/L	1212-F09	12	12	80	11	12	SC□T09T3□□	FTGA03508	-	-	TW15P
	1616-H09	16	16	100	13	16		FTGA03512	SS32S	SHXN0509F	TW15P, HW35L
	2020-K12	20	20	125	17	20	SC□T1204□□	FTGA0411F	SS42S	SHXN0610F	TW15P, HW40L

➔ Applicable inserts B84, B106

SSDCN



SC□T



45°

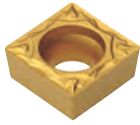
(mm)

Designation		H	W	L	S	h	Insert				
SSDCN	1212-F09	12	12	80	6	12	SC□T09T3□□	FTGA03508	-	-	TW15P
	1616-H09	16	16	100	8	16		FTGA03512	SS32S	SHXN0509F	TW15P, HW35L

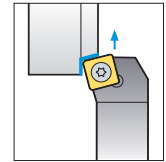
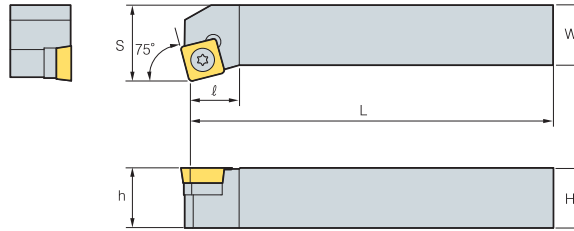
➔ Applicable inserts B84, B106



SSKCR/L



SC□T



75°

• R type insert (mm)

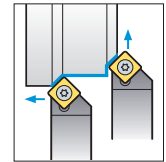
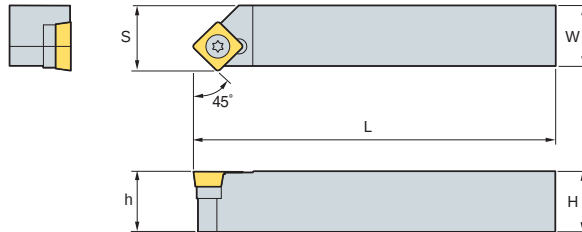
Designation	H	W	L	S	h	l	Insert	Screw	Shim	Shim Screw	Wrench
SSKCR/L 1616-H09	16	16	100	20	16	13	SC□T09T3□□	FTGA03512	SS32S	SHXN0509F	TW15P, HW35L

➔ Applicable inserts B84, B106

SSSCR/L



SC□T



45°

• R type insert (mm)

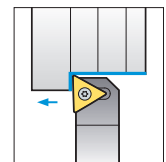
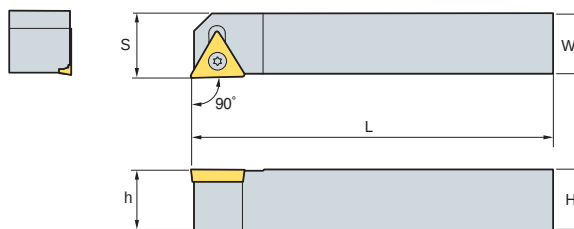
Designation	H	W	L	S	h	Insert	Screw	Shim	Shim Screw	Wrench
SSSCR/L 1616-H09	16	16	100	17	16	SC□T09T3□□	FTGA03512	SS32S	SHXN0509F	TW15P, HW35L
2020-K12	20	20	125	21	20	SC□T1204□□	FTGA0411F	SS42S	SHXN0610F	TW15P, HW40L
2525-M12	25	25	150	26	25	SC□T1204□□	FTGA0411F	SS42S	SHXN0610F	TW15P, HW40L

➔ Applicable inserts B84, B106

STACR/L



TC□T



90°

• R type insert (mm)

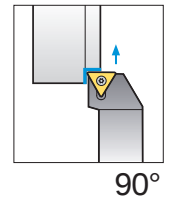
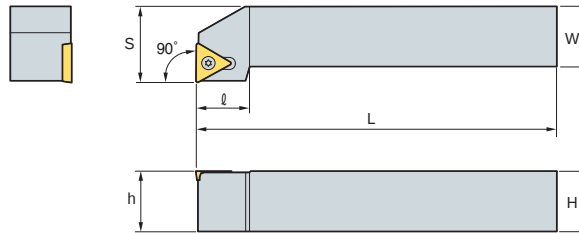
Designation	H	W	L	S	h	Insert	Screw	Shim	Shim Screw	Wrench
STACR/L 1010-E09	10	10	70	10.5	10	TC□T0902□□	FTKA02206	-	-	TW06P
1212-F11	12	12	80	12.5	12	TC□T1102□□	FTKA02565	-	-	TW07P

➔ Applicable inserts B88-B89, B107

STFCR/L



TC□T



90°

• R type insert (mm)

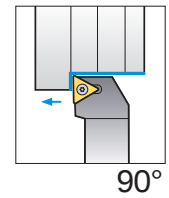
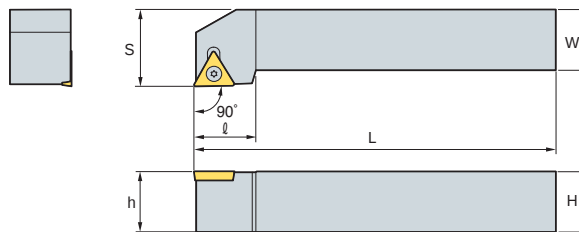
Designation	H	W	L	S	h	l	Insert	Screw	Shim	Shim Screw	Wrench
STFCR/L 1010-E09	10	10	70	12	10	10	TC□T0902□□	FTKA02206	-	-	TW06P
1212-F11	12	12	80	16	12	14	TC□T1102□□	FTKA02565	-	-	TW07P
1616-H11	16	16	100	20	16	14	TC□T16T3□□	FTGA03512	ST32S	SHXN0509F	TW15P, HW35L
1616-H16	16	16	100	20	16	19					
2020-K16	20	20	125	25	20	19					
2525-M16	25	25	150	32	25	25.2	TC□T16T3□□	FTGA03512	ST32S	SHXN0509F	TW15P, HW35L

➔ Applicable inserts B88-B89, B107

STGCR/L



TC□T



90°

• R type insert (mm)

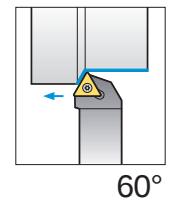
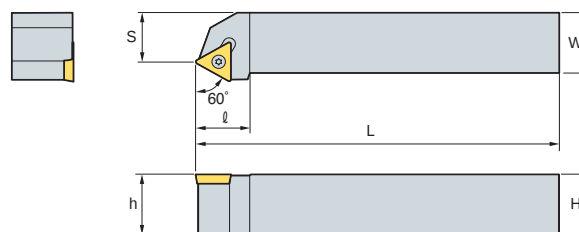
Designation	H	W	L	S	h	l	Insert	Screw	Shim	Shim Screw	Wrench
STGCR/L 0808-D09	08	08	60	10	08	11	TC□T0902□□	FTKA02206	-	-	TW06P
1010-E09	10	10	70	12	10	11	TC□T1102□□	FTKA02565	-	-	TW07P
1212-F11	12	12	80	16	12	14					
1616-H11	16	16	100	20	16	16					
1616-H16	16	16	100	20	16	21	TC□T16T3□□	FTGA03512	ST32S	SHXN0509F	TW15P, HW35L
2020-K16	20	20	125	25	20	21					
2525-M16	25	25	150	32	25	21					

➔ Applicable inserts B88-B89, B107

STTCR/L



TC□T



60°

• R type insert (mm)

Designation	H	W	L	S	h	l	Insert	Screw	Shim	Shim Screw	Wrench
STTCR/L 1616-H11	16	16	100	13	16	14	TC□T1102□□	FTKA02565	-	-	TW07P
1616-H16	16	16	100	13	16	19	TC□T16T3□□	FTGA03512	ST32S	SHXN0509F	TW15P, HW35L
2020-K16	20	20	125	17	20	19					

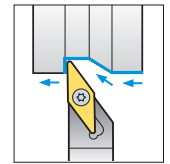
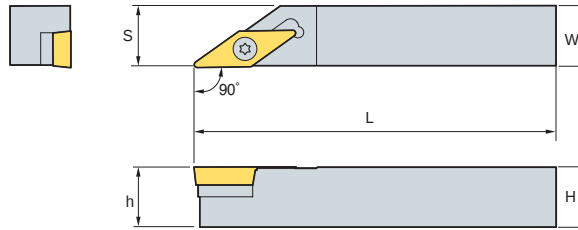
➔ Applicable inserts B88-B89, B107



SVABR/L



VB□T



90°

• R type insert (mm)

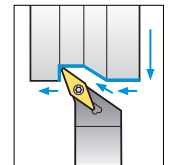
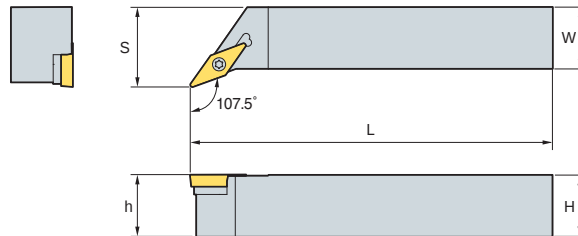
Designation	H	W	L	S	h	Insert	Screw	Shim	Shim Screw	Wrench
SVABR/L 1616-H16	16	16	100	16.5	16	VB□T1604□□	FTGA03512	SV32S	SHXN0509F	TW15P, HW35L
2020-K16	20	20	125	20.5	20					

→ Applicable inserts B94-B96, B108

SVHBR/L



VB□T



107.5°

• R type insert (mm)

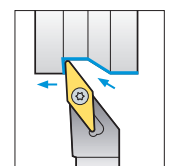
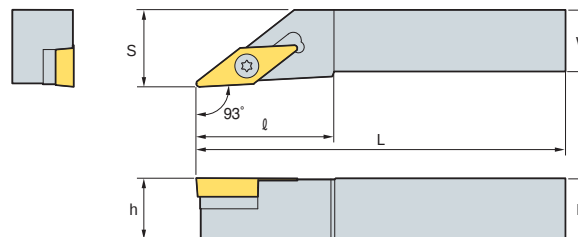
Designation	H	W	L	S	h	Insert	Screw	Shim	Shim Screw	Wrench
SVHBR/L 2525-M16	25	25	150	32	25	VB□T1604□□	FTGA03512	SV32S	SHXN0509F	TW15P, HW35L
3225-P16	32	25	170	32	32					

→ Applicable inserts B94-B96, B108

SVJBR/L



VB□T



93°

• R type insert (mm)

Designation	H	W	L	S	h	ℓ	Insert	Screw	Shim	Shim Screw	Wrench
SVJBR/L 1212-F11	12	12	80	16	12	27	VB□T1102□□	FTKA02565	-	-	TW07P
1616-H11	16	16	100	20	16	27					
2020-K11	20	20	125	25	20	27					
1616-H16	16	16	100	20	16	36	VB□T1604□□	FTGA03512	SV32S	SHXN0509F	TW15P, HW35L
2020-K16	20	20	125	25	20	41					
2525-M16	25	25	150	32	25	41	VB□T1604□□	FTGA03512	SV32S	SHXN0509F	TW15P, HW35L
3225-P16	32	25	170	32	32	55					
3232-P16	32	32	170	40	33	55					

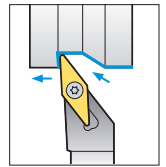
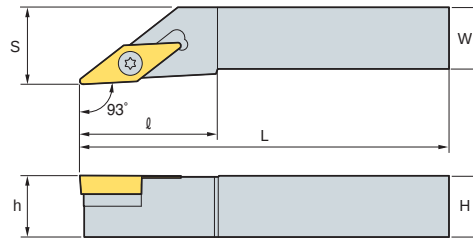
→ Applicable inserts B94-B96, B108



SVJCR/L



VC□T



93°

• R type insert (mm)

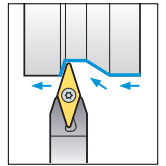
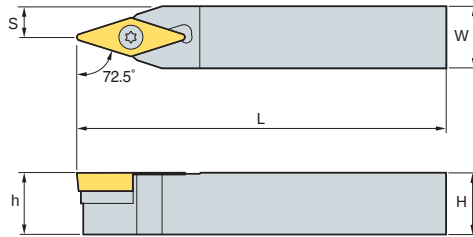
Designation	H	W	L	S	h	ℓ	Insert	Screw	Shim	Shim Screw	Wrench
SVJCR/L 1212-F11	12	12	80	16	12	25	VC□T1103□□	FTKA02565	-	-	TW07P
1616-H11	16	16	100	20	16	25					
2020-K11	20	20	125	25	20	25					
1212-F13	12	12	80	16	12	32	VC□T1303□□	FTKA0307	-	-	TW09P
1616-H13	16	16	100	20	16	32					
2020-K13	20	20	125	25	20	32					
1616-H16	16	16	100	20	16	40	VC□T1604□□	FTGA03512	SV32S	SHXN0509F	TW15P, HW35L
2020-K16	20	20	125	25	20	40					
2525-M16	25	25	150	32	25	40					

➔ Applicable inserts B97-B99, B109

SVVBN



VB□T



72.5°

(mm)

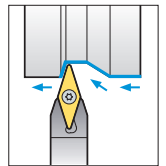
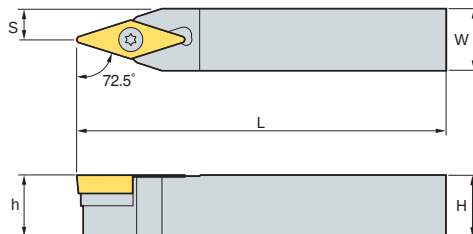
Designation	H	W	L	S	h	Insert	Screw	Shim	Shim Screw	Wrench
SVVBN 1212-F11	12	12	80	6	12	VB□T1102□□	FTKA02565	-	-	TW07P
1616-H11	16	16	100	8	16					
2020-K11	20	20	125	10	20					
1616-H16	16	16	100	8	16	VB□T1604□□	FTGA03512	SV32S	SHXN0509F	TW15P, HW35L
2020-K16	20	20	125	10	20					
2525-M16	25	25	150	12.5	25					
3225-P16	32	25	170	12.5	32					

➔ Applicable inserts B94-B96, B108

SVVCN



VC□T



72.5°

(mm)

Designation	H	W	L	S	h	Insert	Screw	Shim	Shim Screw	Wrench
SVVCN 1212-F11	12	12	80	6	12	VC□T1103□□	FTKA02565	-	-	TW07P
1616-H11	16	16	100	8	16					
2020-K11	20	20	125	10	20					
1212-F13	12	12	80	6	12	VC□T1303□□	FTNA0307	-	-	TW09P
1616-H13	16	16	100	8	16					
2020-K13	20	20	125	10	20					
1616-H16	16	16	100	8	16	VC□T1604□□	FTGA03512	SV32S	SHXN0509F	TW15P, HW35L
2020-K16	20	20	125	10	20					
2525-M16	25	25	150	12.5	25					

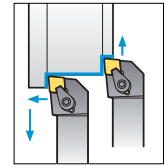
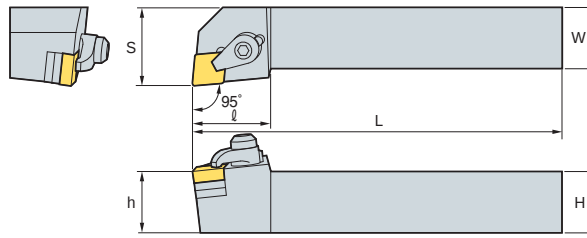
➔ Applicable inserts B97-B99, B109



CCLNR/L



CN□N



95°

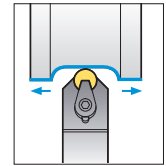
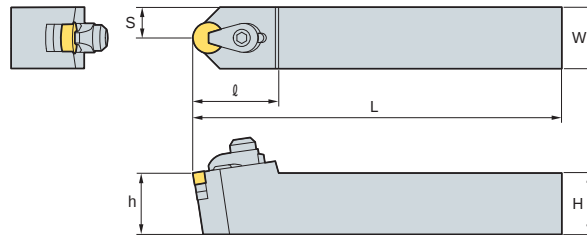
• R type insert
(mm)

Designation	H	W	L	S	h	ℓ	Insert	Clamp	Screw	Shim	Spring	Wrench
CCLNR/L 2525-M12C	25	25	150	32	25	32	CN□N1204□□ CN□N1207□□	CH6R3	MHX0630 SHX0310	SC42CC	SR3	HW40L HW20L

CRDNN



RN□N



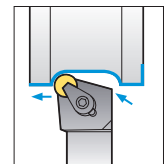
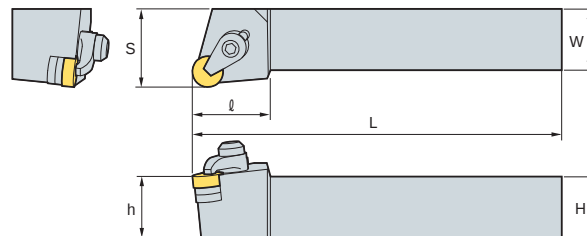
(mm)

Designation	H	W	L	S	h	ℓ	Insert	Clamp	Screw	Shim	Spring	Wrench
CRDNN 2525-M12C	25	25	150	12.5	25	35	RN□N1204□□ RN□N1207□□	CH6R3	MHX0630 SHX0310	SC42CC	SR3	HW40L HW20L

CRGNR/L

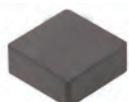


RN□N

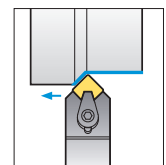
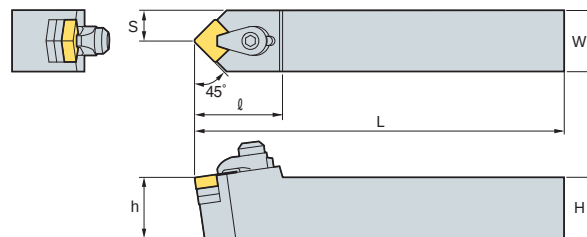

• R type insert
(mm)

Designation	H	W	L	S	h	ℓ	Insert	Clamp	Screw	Shim	Spring	Wrench
CRGNR/L 2525-M12C	25	25	150	32	25	32	RN□N1204□□ RN□N1207□□	CH6R3	MHX0630 SHX0310	SC42CC	SR3	HW40L HW20L

CSDNN



SN□N



45°

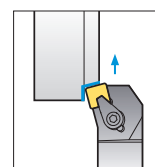
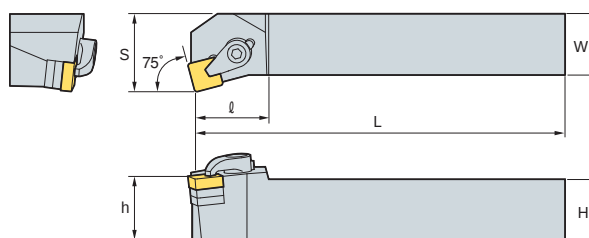
(mm)

Designation	H	W	L	S	h	ℓ	Insert	Clamp	Screw	Shim	Spring	Wrench
CSDNN 2525-M12C	25	25	125	12.5	25	35	SN□N1204□□ RN□N1207□□	CH6R3	MHX0630 SHX0310	SS42CC	SR3	HW40L HW20L

CSKNR/L



SN□N



75°

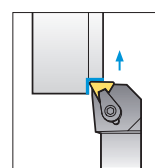
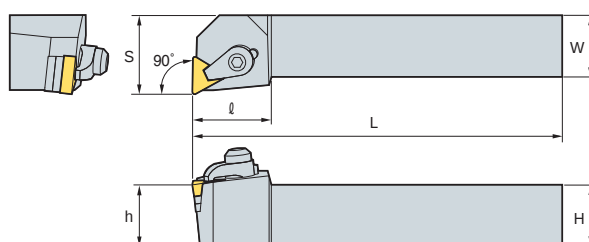
• R type insert
(mm)

Designation	H	W	L	S	h	l	Insert	Clamp	Screw	Shim	Spring	Wrench
CSKNR/L 2525-M12C	25	25	150	32	25	28	SN□N1204□□ SN□N1207□□	CH6R3	MHX0630 SHX0310	SS42CC	SR3	HW40L HW20L

CTFNR/L



TN□N



90°

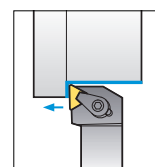
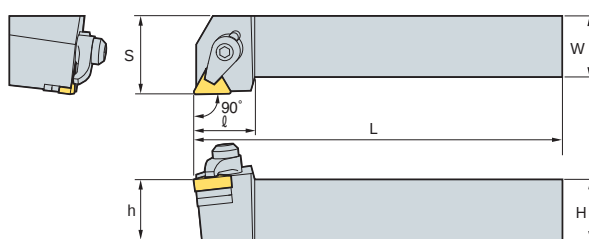
• R type insert
(mm)

Designation	H	W	L	S	h	l	Insert	Clamp	Screw	Shim	Spring	Wrench
CTFNR/L 2525-M16C	25	25	150	32	25	32	TN□N1604□□ TN□N1607□□	CH6R3	MHX0630 SHX0310	ST32CC	SR3	HW40L HW20L

CTGNR/L



TN□N



90°

• R type insert
(mm)

Designation	H	W	L	S	h	l	Insert	Clamp	Screw	Shim	Spring	Wrench
CTGNR/L 2525-M16C	25	25	150	32	25	32	TN□N1604□□ TN□N1607□□	CH6R3	MHX0630 SHX0310	ST32CC	SR3	HW40L HW20L



Note) Generally, two shims are clamped to a Ceramic Holder.

However, only one shim is used in clamping 1207□□ and 1607□□ sized inserts.

