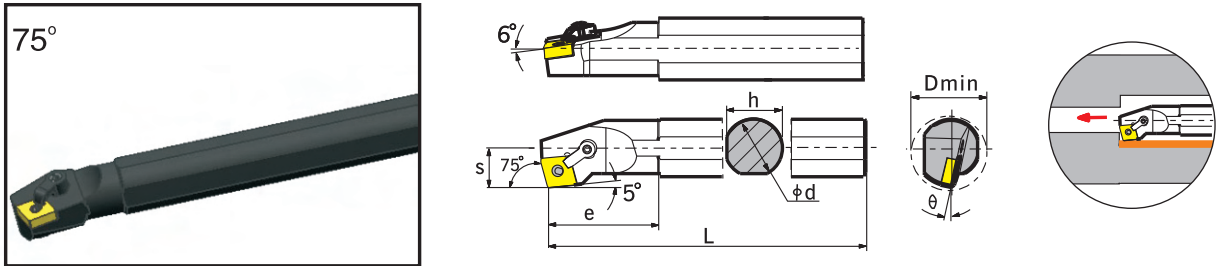
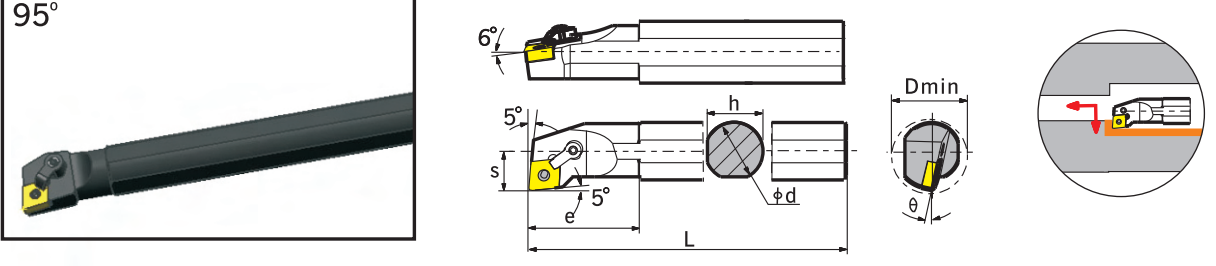


MCKNR/L



Type	Dimension(mm)								Applicable Inserts	Shim	Clamping stud	Clamp	Clamping screw	Wrench	
	Stock		Dmin	φd	h	L	s	θ°							e
	R	L													
S20Q-MCKNR/L12			26	20	18	180	13	15°	45					WS 061020	
S25R-MCKNR/L12	●	○	32	25	23	200	17	12°	45						
S32S-MCKNR/L12	●	○	40	32	30	250	22	17°	50						
S40T-MCKNR/L12	●	○	50	40	38	300	26	15°	55						
S50U-MCKNR/L12			60	50	48	350	33	12°	70						

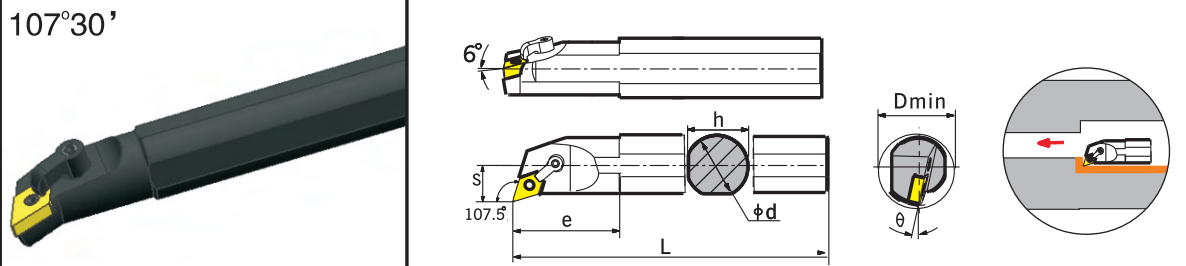
MCLNR/L



Type	Dimension(mm)										Applicable Inserts	Shim	Clamping stud	Clamp	Clamping screw	Wrench
	Stock		Dmin	φd	h	L	s	ε°	e							
	R	L														
S20Q-MCLNR/L12	●	○	26	20	19	180	13	15°	45						WS 061020	
S25R-MCLNR/L12	●	○	32	25	24	200	16.5	12°	45							
S32S-MCLNR/L12	○		40	32	30	250	22.5	17°	50							
S40T-MCLNR/L12			50	40	38	300	26	15°	55							
S50U-MCLNR/L12			60	50	47	350	31	12°	70							

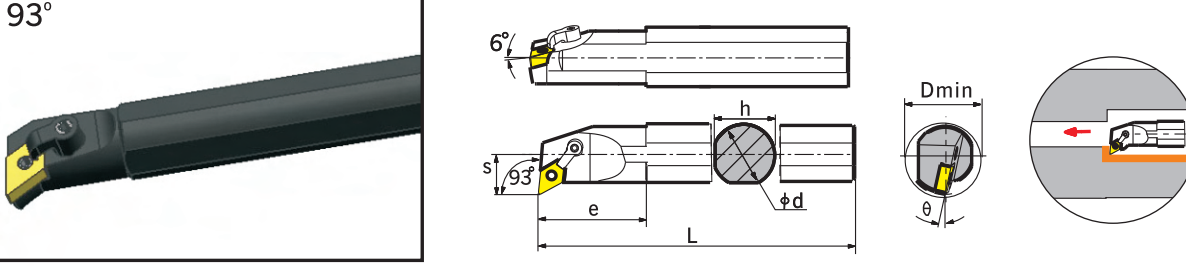
● Stock ○ in Production order

MDQNR/L



Type	Dimension(mm)														
	Stock		Dmin	φd	h	L	s	θ°	e						
	R	L													
S20Q-MDQNR/L15	●	○	26	20	18	180	13	15°	31	DN□□ 1504□□	X	MSP613	WS 061020	S2.5,S3	
S25R-MDQNR/L15	●	○	32	25	23	200	17	12°	35		MD1504	MSP617			MCL2114
S32S-MDQNR/L15	●	○	40	32	30	250	22	17°	40						
S40T-MDQNR/L15			50	40	38	300	27	15°	50						

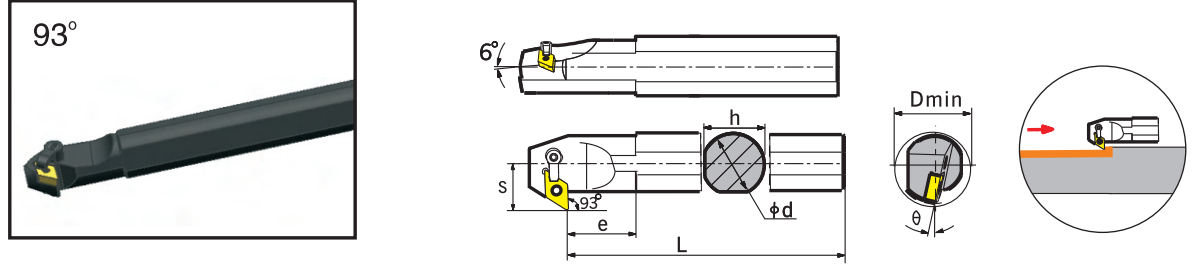
MDUNR/L



Type	Dimension(mm)									Applicable Inserts	Shim	Clamping stud	Clamp	Clamping screw	Wrench	
	Stock		Dmin	φd	h	L	s	θ°	e							
	R	L														
S20Q-MDUNR/L15	●	○	26	20	18	180	13	15°	31	 DN□□ 1504□□	 X	 MSP613	 MCL2114	WS 061020	 WS061025	 S2.5,S3
S25R-MDUNR/L15	●	○	32	25	24	200	17	12°	35							
S32S-MDUNR/L15	○		40	32	30	250	22	17°	40		MD1504	MSP617				
S40T-MDUNR/L15			50	40	38	300	27	15°	50							

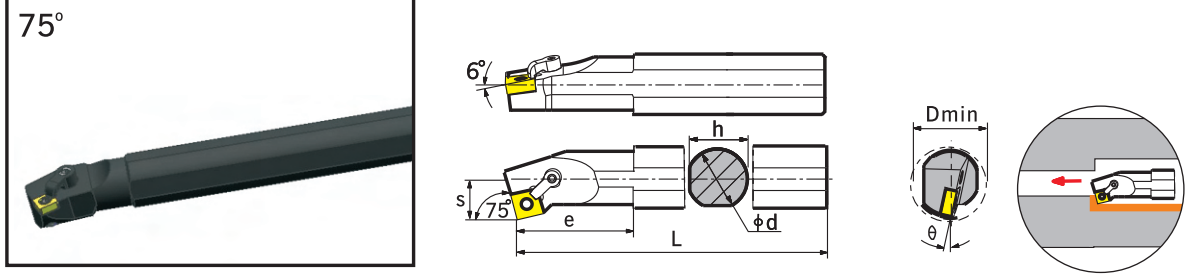
● Stock ○ in Production order

MDZNR/L



Type	Dimension(mm)									Applicable Inserts	Shim	Clamping stud	Clamp	Clamping screw	Wrench
	Stock		Dmin	φd	h	L	s	θ°	e						
	R	L													
S25R-MDZNR/L15	●	○	32	25	23	200	17	15°	35						
S32S-MDZNR/L15	●	○	40	32	30	250	22	12°	40						
S40T-MDZNR/L15	●	○	50	40	38	300	27	17°	50						

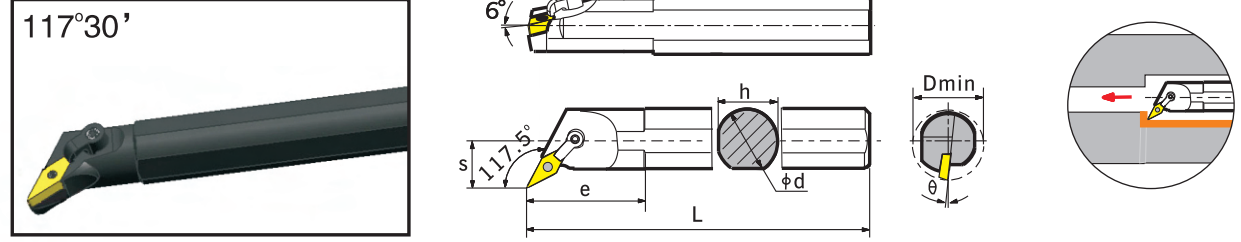
MSKNR/L



Type	Dimension(mm)										Applicable Inserts	Shim	Clamping stud	Clamp	Clamping screw	Wrench					
	Stock		Dmin	φd	h	L	s	θ°	e												
	R	L																			
S20Q-MSKNR/L12	●	○	26	20	18	180	13	15°	31	SN□□ 1204□□							X	MSP613	MCL1810	WS061020	S2.5,S3
S25R-MSKNR/L12	●	○	32	25	23	200	17	12°	35										MCL1814	WS061025	
S32S-MSKNR/L12	○		40	32	30	250	22	17°	40		MS 1204	MSP617									
S40T-MSKNR/L12			50	40	37	300	27	15°	50												

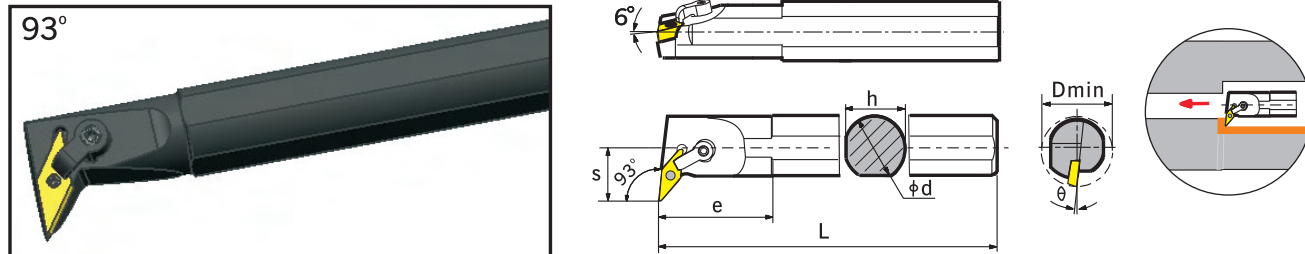
● Stock ○ in Production order

MVQNR/L



Type	Dimension(mm)									Applicable Inserts	Shim	Clamping stud	Clamp	Clamping screw	Wrench						
	Stock		Dmin	φd	h	L	s	θ°	e												
	R	L																			
S20Q-MVQNR/L16	●	○	26	20	18	180	13	15°	31							VN□□ 1604□□	X	MSP510	MCL2414	WS061020	S2,S3
S25R-MVQNR/L16	●	○	32	25	23	200	17	12°	35								MV 1603	MSP513		WS061025	
S32S-MVQNR/L16	●	○	42	32	23	250	22	17°	40												
S40T-MVQNR/L16			50	40	30	300	27	15°	50												

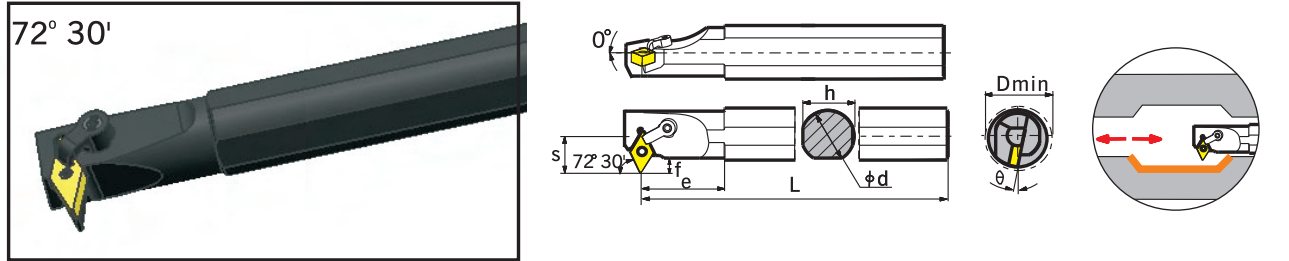
MVUNR/L



Type	Dimension(mm)									Applicable Inserts	Shim	Clamping stud	Clamp	Clamping screw	Wrench
	Stock		Dmin	φd	h	L	s	e°	e						
	R	L													
S20Q-MVUNR/L16	●	○	32	20	18	180	13	15°	31	VN□□ 1604□□	X	MSP510	MCL1810	WS061020	S2,S3
S25R-MVUNR/L16	●	○	36	25	23	200	17	12°	35						
S32S-MVUNR/L16	○		42	32	32	250	22	17°	40						
S40T-MVUNR/L16			50	40	40	300	27	15°	50						

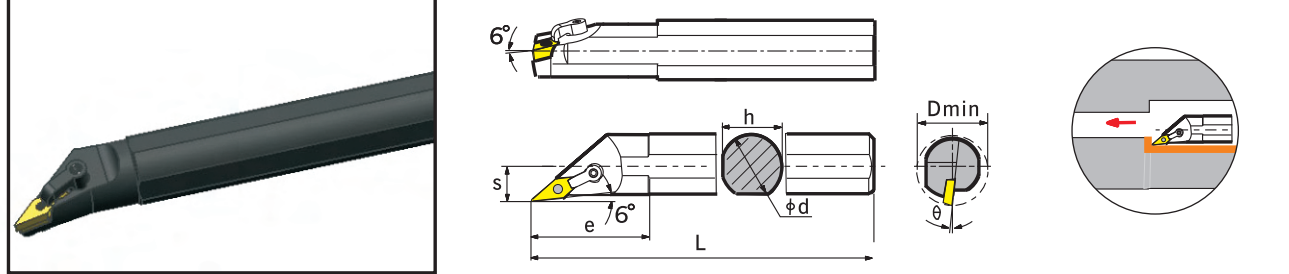
● Stock ○ in Production order

MVWNR/L



Type	Dimension(mm)										Applicable Inserts	Shim	Clamping stud	Clamp	Clamping screw	Wrench
	Stock		Dmin	φd	h	L	s	e°	e							
	R	L														
S20Q-MVWNR/L16	●	○	36	20	19	180	24	15°	31		VN□□ 1604□□	X	MSP510	MCL1810	WS061020	S2,S3
S25R-MVWNR/L16	●	○	140	25	24	200	26	12°	35							
S32S-MVWNR/L16		○	48	32	30	250	30	17°	40							
S40T-MVWNR/L16			56	40	38	300	34	15°	50							

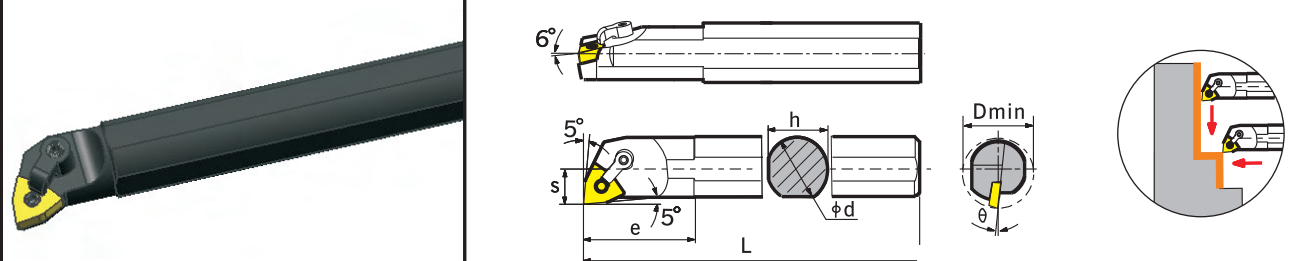
MXNR/L



Type	Dimension(mm)									Applicable Inserts	Shim	Clamping stud	Clamp	Clamping screw	Wrench
	Stock		Dmin	φd	h	L	s	e°	e						
	R	L													
S25R-MVXNR/L16	●	○	32	25	24	200	17	12°	35	VN□□ 1604□□	X	MSP510	MCL2414	WS061025	S2,S3
S32S-MVXNR/L16	●	○	42	32	30	250	22	17°	40		MV 1603	MSP513			
S40T-MVXNR/L16	●	○	50	40	38	300	27	15°	50						

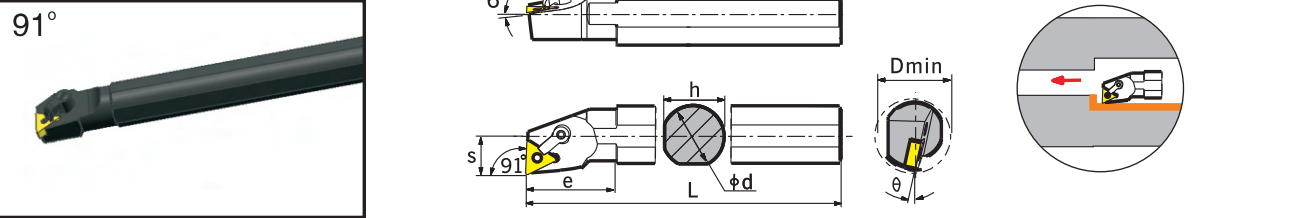
● Stock ○ in Production order

MWLNR/L



Type	Dimension(mm)										Applicable Inserts	Shim	Clamping stud	Clamp	Clamping screw	Wrench
	Stock		Dmin	φd	h	L	s	θ°	e							
	R	L														
S20Q-MWLNR/L08	○		25	20	18	250	13	17°	31		WN□□ 0804□□	X	MSP613	MCL1810	WS061020	S2.5,S3
S25R-MWLNR/L08	●	○	32	25	23	200	17	15°	35							
S32S-MWLNR/L08	●	○	41	32	30	250	22	12°	40			MW 0804	MSP617	MCL1814	WS061025	S3
S40T-MWLNR/L08	○		50	40	37	300	27	15°	50							

MTFNR/L

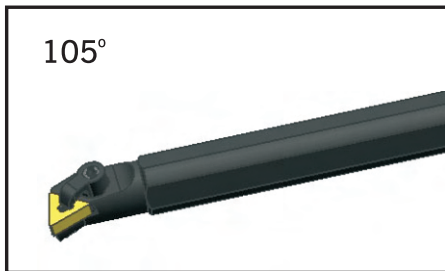


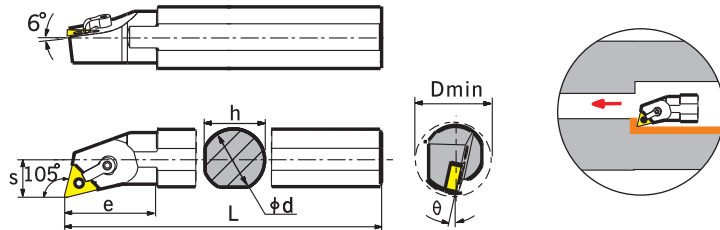
Type	Dimension(mm)									Applicable Inserts	Shim	Clamping stud	Clamp	Clamping screw	Wrench						
	Stock		Dmin	φd	h	L	s	θ°	e												
	R	L																			
S16Q-MTFNR/L16	●	○	20	16	15	180	11	18°	28							TN□□ 1604□□	X	MSP510	MCL1810	WS061020	S2,S3
S20Q-MTFNR/L16	●	○	25	20	18	180	13	15°	31												
S25R-MTFNR/L16	●	○	32	25	23	200	17	12°	35												
S32S-MTFNR/L16			40	32	30	250	22	17°	40	MT 1603	MSP513	MCL1814	WS061025								
S40T-MTFNR/L16			50	40	38	300	27	15°	50												

● Stock ○ in Production order

MTQNR/L

105°





Type	Dimension(mm)									Applicable Inserts	Shim	Clamping stud	Clamp	Clamping screw	Wrench	
	Stock		Dmin	φd	h	L	s	θ°	e							
	R	L														
S20Q-MTQNR/L16	●	○	25	20	18	180	13	15°	31	TN□□ 1604□□	X	MSP510	MCL1810	WS061020	S2,S3	
S25R-MTQNR/L16	●	○	32	25	23	200	17	12°	35							
S32S-MTQNR/L16		○	40	32	30	250	22	17°	40		MT 1603	MSP513	MCL1814	WS061025		
S40T-MTQNR/L16			50	40	37	300	27	15°	50							

MTJNR/L

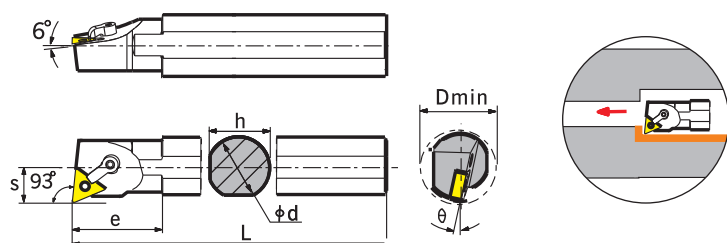
Type	Dimension(mm)									Applicable Inserts	Shim	Clamping stud	Clamp	Clamping screw	Wrench						
	Stock		Dmin	φd	h	L	s	θ°	e												
	R	L																			
S16Q-MTJNR/L16	●	○	20	16	15	180	11	18°	28	TN□□ 1604□□	X	MSP510	MCL1810	WS061020	S2,S3						
S20Q-MTJNR/L16	●	○	25	20	18	180	13	15°	31												
S25R-MTJNR/L16		○	32	25	23	200	17	12°	35		MT 1603	MSP513	MCL1814	WS061025							
S32S-MTJNR/L16			40	32	30	250	22	17°	40												
S40T-MTJNR/L16			50	40	38	300	27	15°	50												

● Stock ○ in Production order

MTUNR/L

93°



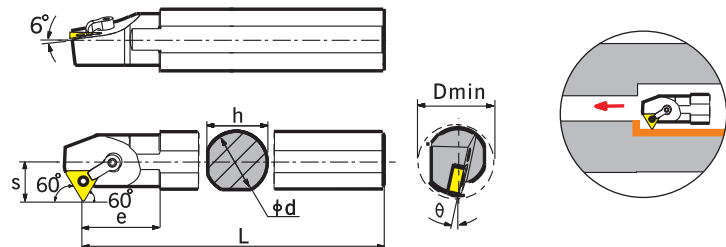


Type	Dimension(mm)									Applicable Inserts	Shim	Clamping stud	Clamp	Clamping screw	Wrench
	Stock		Dmin	φd	h	L	s	θ°	e						
	R	L													
S20Q-MTUNR/L16	●	○	25	20	18	180	13	15°	31	TN□□ 1604□□	X	MSP510	MCL1810	WS061020	S2,S3
S25R-MTUNR/L16	●	○	32	25	23	200	17	12°	35						
S32S-MTUNR/L16		○	40	32	30	250	22	17°	40		MT 1603	MSP513	MCL1814	WS061025	
S40T-MTUNR/L16			50	40	37	300	27	15°	50						

MTWNR/L

60°





Type	Dimension(mm)									Applicable Inserts	Shim	Clamping stud	Clamp	Clamping screw	Wrench						
	Stock		Dmin	φd	h	L	s	θ°	e												
	R	L																			
S16Q-MTWNR/L16	●	○	22	16	15	180	11	18°	28	TN□□ 1604□□	X	MSP510	MCL1810	WS061020	S2,S3						
S20Q-MTWNR/L16	●	○	27	20	18	180	13	15°	31												
S25R-MTWNR/L16		○	32	25	23	200	17	12°	35		MT 1603	MSP513	MCL1814	WS061025							
S32S-MTWNR/L16			40	32	30	250	22	17°	40												
S40T-MTWNR/L16			50	40	38	300	27	15°	50												

● Stock ○ in Production order

Example

S

20

Q

—

P

C

L

N

R

09

1

2

3

4

5

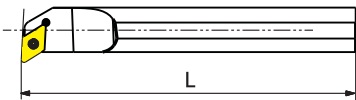
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7

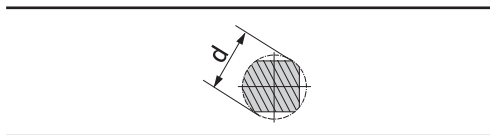
8

9

1. Type of bars

记号 Symbol	A	E	C	S	X
	Steel Shank+ Oil Hole	Carbide Shank +Oil Hole	Carbide Shank	Steel Shank	Special Insert Application

2. Shank diameter



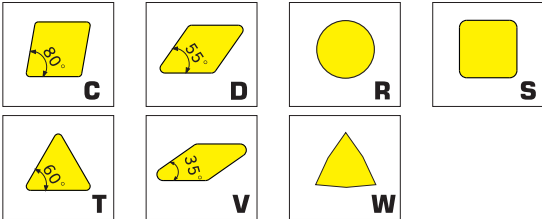
3. Tool length

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

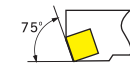
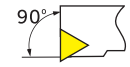
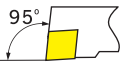
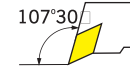
4. Clamping system

Top clamping	Hole clamping	Screw on
C 	P 	S 

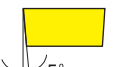
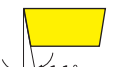
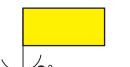
5. Insert shape



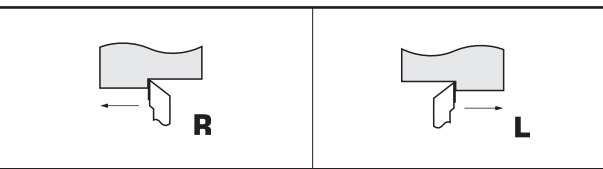
6. Bar style

K	F	U	L	P
				

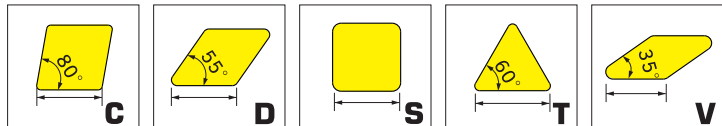
7. Insert clearance angle

B	C	P	N
			

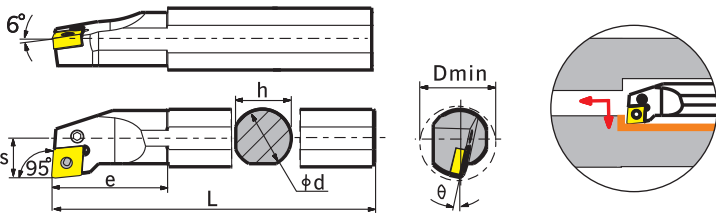
8. Hand of tools



9. Cutting edge length

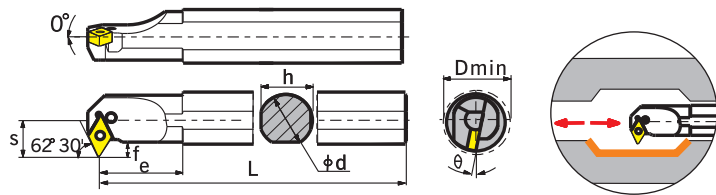
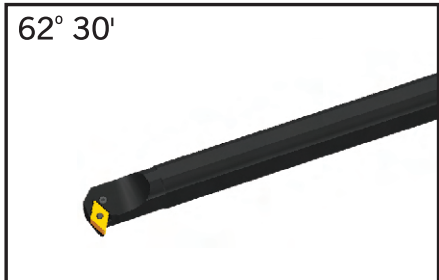


PCLNR/L



Type	Dimension(mm)								Applicable Inserts	Screw	Wrench	Lever	Shim	Shim pin
	Stock R L	Dmin	φd	h	L	s	θ°	e						
S16Q-PCLNR/L09		20	16	15	180	11	-12°	28	CN□□ 0903□□	VHX0509	S2	LV3C	—	—
S20Q-PCLNR/L09		25	20	18	180	13	-11°	31						
S25R-PCLNR/L09		32	25	23	200	17	-10°	35						
S20Q-PCLNR/L12		25	20	18	180	13	-11°	31	CN□□ 1204□□	VHX0613	S2.5	LV4A	PC12318B	SP4
S25R-PCLNR/L12		32	25	23	200	17	12°	40						
S32S-PCLNR/L12		44	32	30	250	22	-10°	50						
S40T-PCLNR/L12		54	40	37	300	27	-10°	55						
S50U-PCLNR/L12		63	50	47	350	35	-10°	56						
S50U-PCLNR/L19		63	50	47	350	35	-10°	63	CN□□ 1906□□	VHX1027	S4	LV6	PC19476	SP6

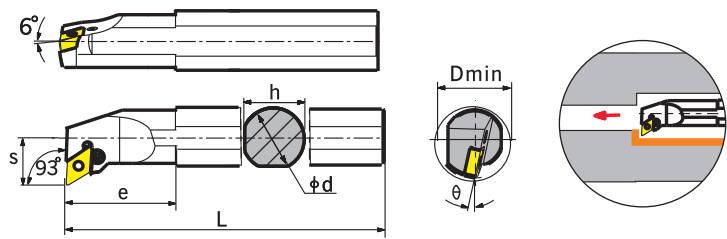
PDSNR/L



Type	Dimension(mm)									Applicable Inserts	Screw	Wrench	Lever	Shim	Shim pin	
	Stock		Dmin	φd	h	L	s	θ°	e	f						
	R	L														
S32S-PDSNR/L15			40	32	30	350	22	-11°	45	8.5	DN□□ 1506□□	VHX0821	S3	LV4B	PD15318	SP4
S40T-PDSNR/L15			50	40	37	400	27	-11°	43	9.4						
S32S-PDSNR/L15-3			40	32	30	350	22	-11°	45	8.5	DN□□ 1504□□	VHX0821	S3	LV4	PD15318	SP4
S40T-PDSNR/L15-3			50	40	37	400	27	-11°	43	9.4						

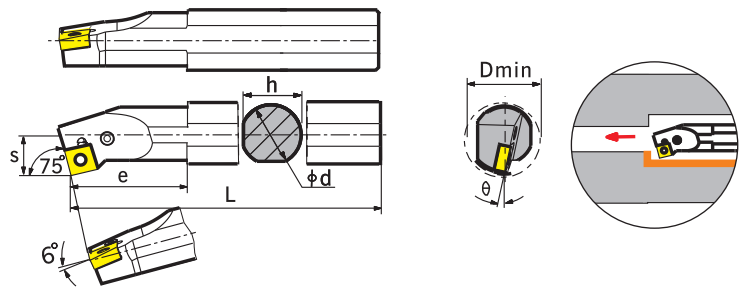
● Stock ○ in Production order

PDUNR/L



Type	Dimension(mm)								Applicable Inserts	Screw	Wrench	Lever	Shim	Shim pin	
	Stock		Dmin	φd	h	L	s	e°	e						
	R	L													
S20Q-PDUNR/L 11			25	20	18	250	13	-16°	30	DN□□ 1104□□	VHX0512B	S2	LV3D	—	—
S25R-PDUNR/L 11			32	25	23	300	17	-13°	35		VHX0617	S2.5	LV3	PD11270	SP3
S32S-PDUNR/L 11			40	32	30	350	22	-16°	40	DN□□ 1506□□	VHX0821	S3	LV4B	PD15318	SP4
S32S-PDUNR/L 15			40	32	30	350	22	-16°	50		VHX0821	S3	LV4	PD15318	SP4
S40T-PDUNR/L 15			50	40	37	400	27	-11°	50	DN□□ 1504□□	VHX0821	S3	LV4	PD15318	SP4
S32S-PDUNR/L 15-3			40	32	30	350	22	-16°	50		VHX0821	S3	LV4	PD15318	SP4
S40T-PDUNR/L 15-3			50	40	37	400	27	-11°	50						

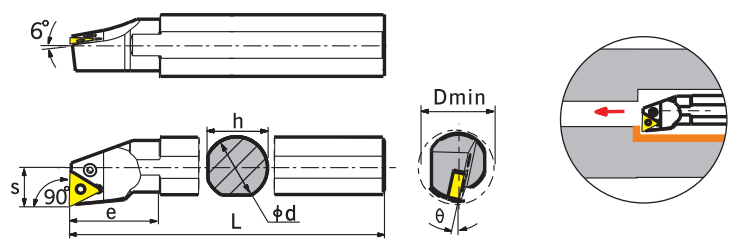
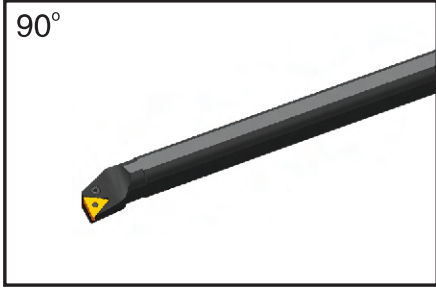
PSKNR/L



Type	Dimension(mm)									Applicable Inserts	Screw	Wrench	Lever	Shim	Shim pin
	Stock		Dmin	φd	h	L	s	θ°	e						
	R	L													
S25R-PSKNR/L 12			32	25	23	300	17	-12°	42						
S32S-PSKNR/L 12			44	32	30	350	22	-10°	45	VHX0821	S3	LV4	PS12318	SP4	
S40T-PSKNR/L 12			54	40	37	400	27	-10°	50						

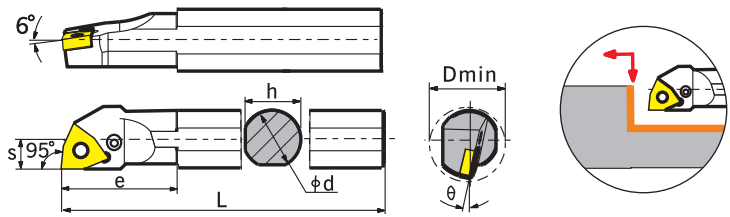
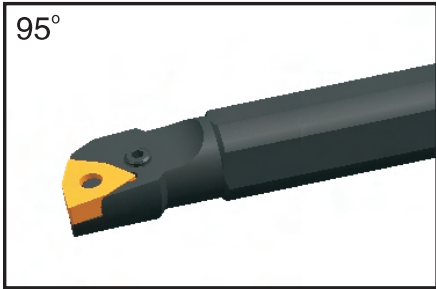
● Stock ○ in Production order

PTFNR/L



Type	Dimension(mm)									Applicable Inserts	Screw	Wrench	Lever	Shim	Shim pin
															
	Stock		Dmin	φd	h	L	s	θ°	e						
	R	L													
S16Q-PTFNR/L 11			20	16	15	200	11	-14°	28	TN□□ 1103□□	VHX0509	S2	LV2	—	—
S20Q-PTFNR/L 11			25	20	18	250	13	-12°	31						
S25R-PTFNR/L 11			32	25	23	300	17	-10°	35						
S25R-PTFNR/L 16			32	25	23	300	17	-12°	42	TN□□ 1604□□	VHX0512	S2	LV3B		
S32S-PTFNR/L 16			44	32	30	350	22	-10°	50		VHX0613	S2.5	LV3	Pt16476	SP3
S40T-PTFNR/L 16			54	40	37	400	27	-10°	55						

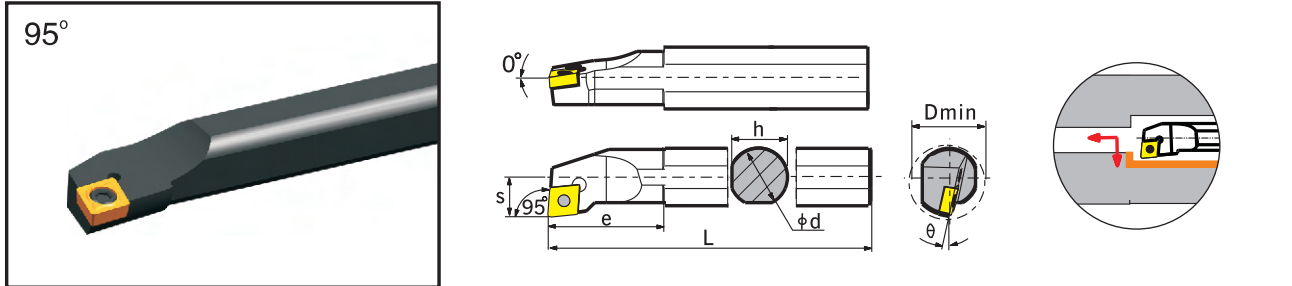
PWLNR/L

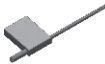


Type	Dimension(mm)									Applicable Inserts	Screw	Wrench	Lever	Shim	Shim pin
															
	Stock		Dmin	φd	h	L	s	θ°	e						
	R	L													
S16Q-PWLNR/L06			20	16	15	180	11	-13°	28	WN□ 0603□	VHX0512	S2	LV3B	—	—
S20Q-PWLNR/L06			25	20	18	180	13	-13°	31						
S25R-PWLNR/L06			20	25	23	200	17	-13°	35						
S20Q-PWLNR/L08			25	20	18	180	13	-13°	42	WN□ 0804□	VHX0613	S2.5	LV4A	—	—
S25R-PWLNR/L08			32	25	23	200	17	-13°	50						
S32S-PWLNR/L08			40	32	30	250	22	-13°	55						
S40T-PWLNR/L08			50	40	42	300	30	-13°							

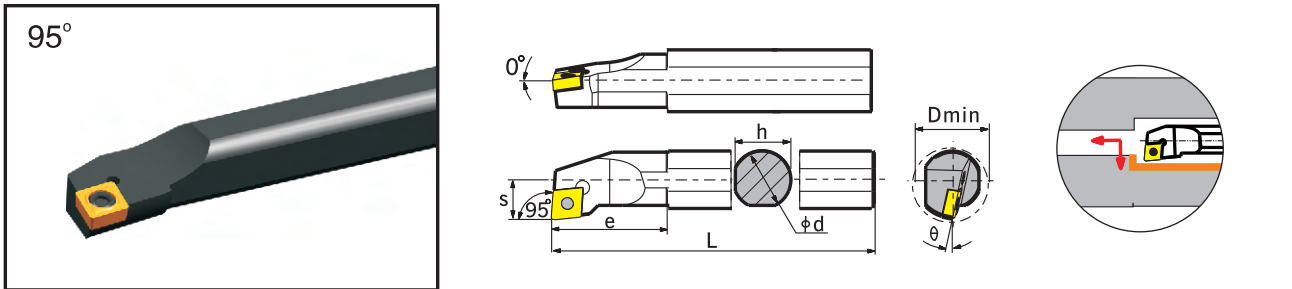
● Stock ○ in Production order

SCLCR/L



Type	Dimension(mm)									Applicable Inserts	Screw	Wrench
	Stock庫存		Dmin	Φd	h	L	s	θ°	e			
	R	L										
S08K-SCLCR/L 06	●	●	10	8	7	125	5	-15°	14			
S10K-SCLCR/L 06	●	●	12	10	9	150	6	-13°	14			
S12M-SCLCR/L 06	●	●	16	12	11	150	9	-10°	25			
S12M-SCLCR/L 09	●	●	16	12	11	150	9	-10°	25	CC-T 09T3□□	L60M4X8	T15
S16Q-SCLCR/L 09	●	●	20	16	15	180	11	-12°	32.5			
S20Q-SCLCR/L 09	●	●	25	20	18	180	13	-8°	38			
S25R-SCLCR/L 09	●	●	32	25	23	200	17	-6°	45			
S25R-SCLCR/L 12	○	○	32	25	23	250	17	-6°	45	CC-T 1204□□	L60M5X12	T20
S32S-SCLCR/L 12	○	○	40	32	30	250	22	-10°	50			
S40T-SCLCR/L 12	○	○	50	40	37	300	27	-8°	60			

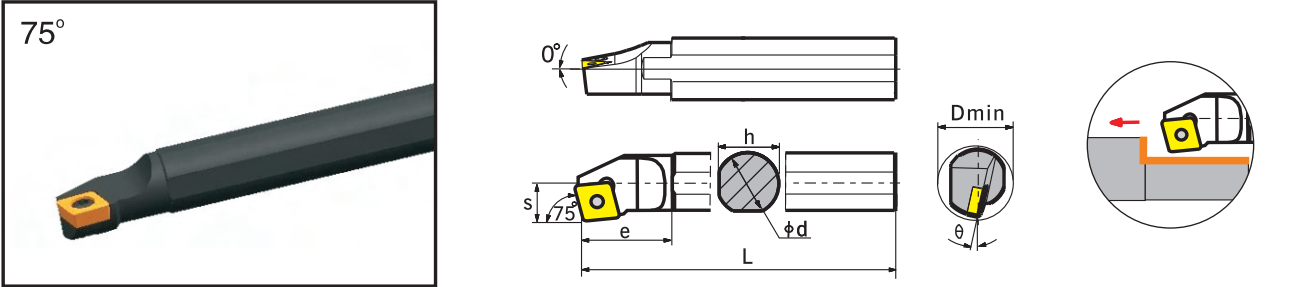
SCLCR/L-H



Type	Dimension(mm)								Applicable Inserts	Screw	Wrench	
	Stock		Dmin	φd	h	L	s	ε°	e			
	R	L										
S08K-SCLCR/L 06H09	●	○	9	8	7	125	5	-15°	14	CC□T 0602□□	L60M2.5X5	T08
S10K-SCLCR/L 06H11	●	○	11	10	9	150	6	-13°	14			
S12M-SCLCR/L 06H13	●	○	13	12	11	150	9	-10°	25			
S16Q-SCLCR/L 09H17	●	●	17	16	15	180	11	-12°	32.5	CC□T 09T3□□	L60M4X8	T15

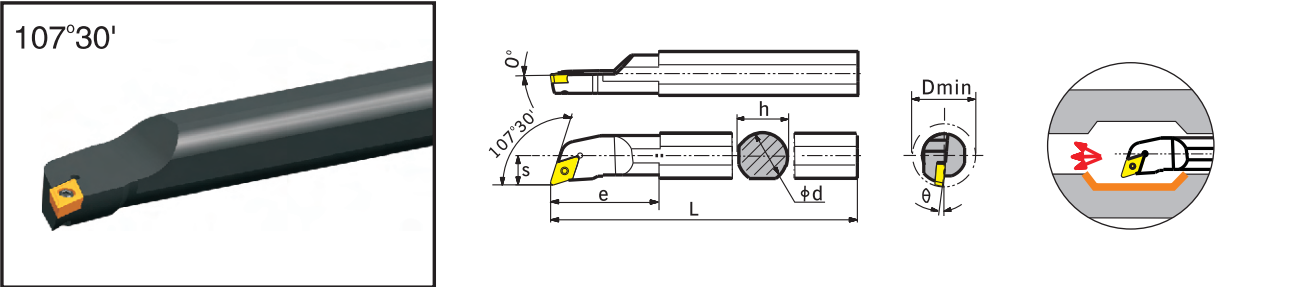
● Stock ○ in Production order

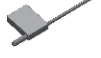
SCKCR/L



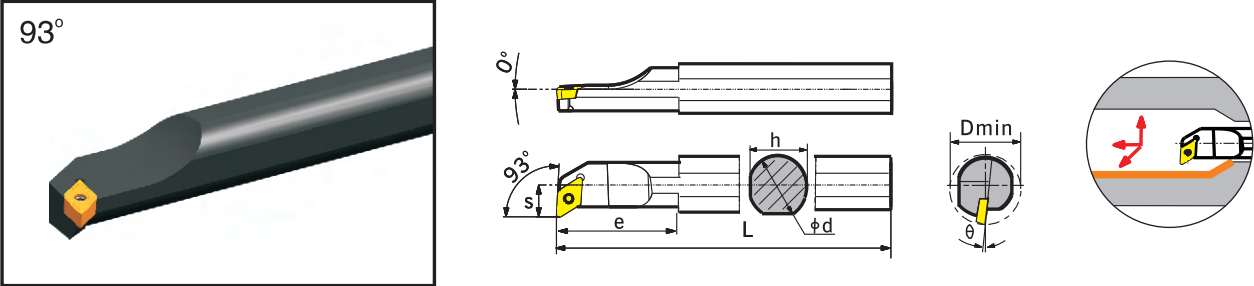
Type	Dimension(mm)									Applicable Inserts	Screw	Wrench
	Stock		Dmin	φd	h	L	s	θ°	e			
	R	L										
S08K-SCKCR/L06	○	○	10	8	7	125	5.5	13°	25			
S10K-SCKCR/L06	●	●	13	10	9	125	7	12°	25			
S12M-SCKCR/L06	○	○	16	12	11	150	8.5	10°	25			
S12M-SCKCR/L09	●	●	16	12	11	150	8.5	12°	30	CC□ T 09T3□□	L60M2.5X5	T15
S16N-SCKCR/L09	●	●	20	16	15	160	11	10°	33			
S20Q-SCKCR/L09	●	●	24	20	19	180	13	8°	35			
S25R-SCKCR/L09		●	31	26	24	200	17	8°	40			

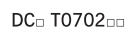
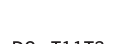
SDQCR/L



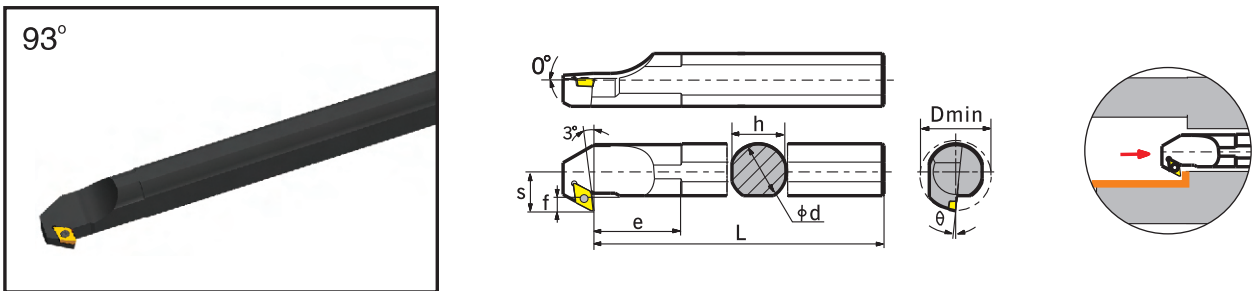
Type	Dimension(mm)									Applicable Inserts	Screw	Wrench
	Stock		Dmin	φd	h	L	s	θ°	e			
	R	L										
S08K-SDQCR/L07	●	○	10	8	7	125	5	−8°	14			
S10K-SDQCR/L 07	●	●	13	10	9	150	7	−8°	20			
S12M-SDQCR/L 07	●	●	16	12	11	150	9	−8°	22			
S16Q-SDQCR/L 07	●	○	20	16	15	180	11	−6°	27	DC□T 11T3□□	L60M4X8	T15
S20Q-SDQCR/L 11	○	○	25	20	18	180	13	−6°	32			
S25R-SDQCR/L 11	○	○	32	25	23	200	17	−6°	32			

SDUCR/L



Type	Dimension(mm)										Applicable Inserts	Screw	Wrench
	Stock		Dmin	Φd	h	L	s	θ°	e				
	R	L											
S08K-SDUCR/L07	○	○	13	08	9	125	7	-8°	22			L60M2.5X5	T08
S10K-SDUCR/L 07	●	●	13	10	9	125	7	-8°	22				
S12M-SDUCR/L 07	●	●	16	12	11	150	9	-8°	22				
S16Q-SDUCR/L 07	●	●	20	16	15	180	11	-6°	27			L60M4X8	T15
S20Q-SDUCR/L 11	●	●	25	20	18	180	13	-6°	40				
S25R-SDUCR/L 11	●	●	32	25	23	200	17	-6°	46				

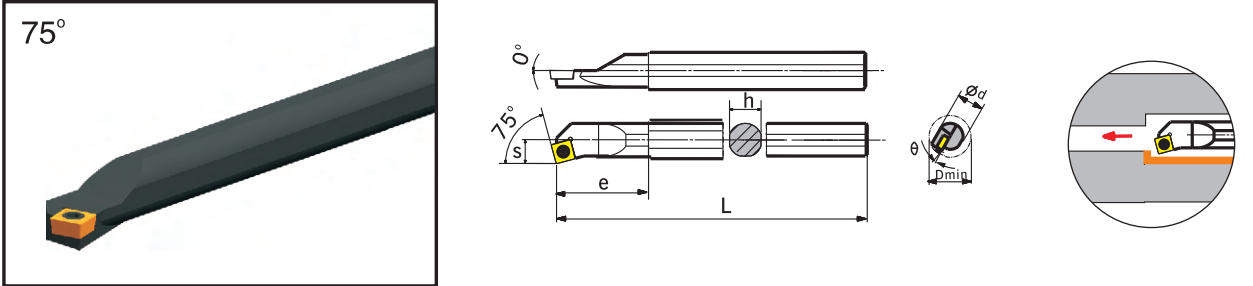
SDZCR/L



Type	Dimension(mm)										Applicable Inserts	Screw	Wrench
	Stock		Dmin	φd	h	L	s	θ°	e	f			
	R	L											
S16Q-SDZCR/L11	●	●	22	16	15	180	11	-6°	22	6.9			
S20Q-SDZCR/L11	●	●	27	20	18	180	15	-6°	25	6.9			
S25R-SDZCR/L 11	●	○	33	25	23	200	17	-6°	30	6.9			
S32S-SDZCR/L 11	○	○	40	32	30	250	22	-6°	39	8.4			
S40T-SDZCR/L 11			50	40	37	300	27	-4°	47	9.4			

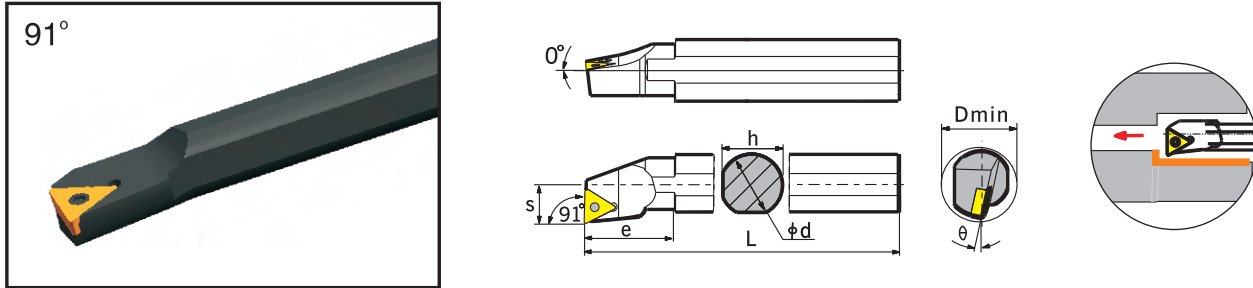
● Stock ○ in Production order

SSKCR/L



Type	Dimension(mm)									Applicable Inserts	Screw	Wrench
	Stock		Dmin	φd	h	L	s	θ°	e			
	R	L										
S12M-SSKCR 09	●	●	16	12	11	150	9	-10°	26	SC□ T 09T3□□	L60M4X8	T15
S16Q-SSKCR 09	●	●	20	16	15	180	11	-11°	32.5			
S20Q-SSKCR 09	●	●	25	20	18	180	13	-6°	34.5			
S25R-SSKCR 12	●	●	32	25	23	200	17	-8°	36.3	SC□ T 1204□□	L60M5X12	T20
S32S-SSKCR 12	○	○	40	32	30	250	22	-10°	43.5			

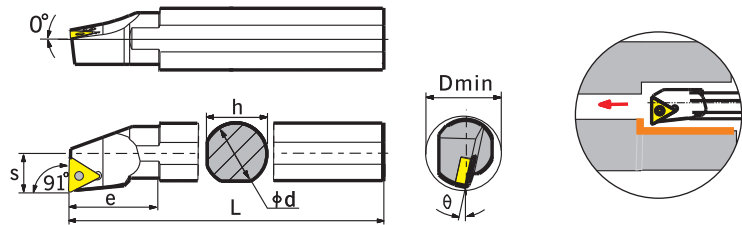
STFCR/L



Type	Dimension(mm)									Applicable Inserts	Screw	Wrench
	Stock		Dmin	φd	h	L	s	θ°	e			
	R	L										
S08K-STFCR/L09	○	○	10	08	7	125	5	-10°	14	TC□ T 09T□□	L60M2.5X5	T08
S10K-STFCR/L09	●	●	12	10	9	125	6	-13°	25			
S12M-STFCR/L 09	○	○	16	12	11	150	9	-10°	30			
S12M-STFCR/L11	●	●	16	12	11	150	11	-6°	30	TC□ T 1102□□	L60M2.5X5	T08
S16Q-STFCR/L 11	●	●	20	16	15	180	11	-6°	35			
S20Q-STFCR/L 11	●	●	25	20	18	180	13	-3°	36			
S25R-STFCR/L 16	●	●	32	25	23	200	17	-6°	49	TC□ T 16T3□□	L60M4X8	T15
S32S-STFCR/L 16	○	○	40	32	30	250	22	-10°	50			
S40T-STFCR/R 16			50	40	37	300	27	-8°	60			

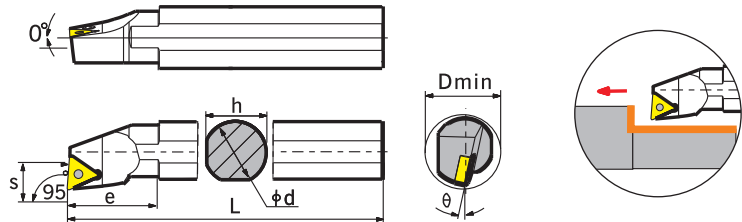
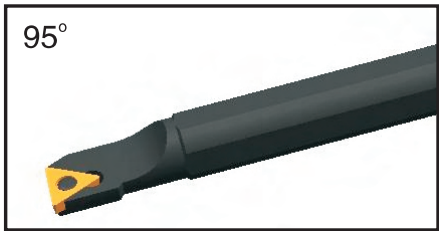
● Stock ○ in Production order

STFPR/L



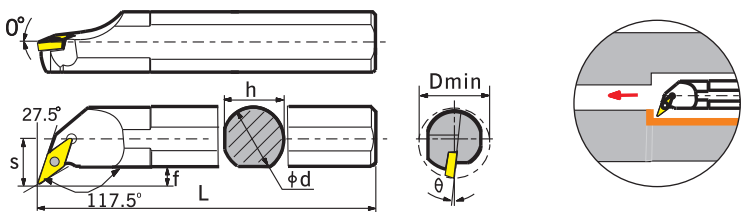
Type	Dimension(mm)									Applicable Inserts	Screw	Wrench
	Stock		Dmin	φd	h	L	s	θ°	e			
	R	L										
S08K–STFPR/L11H09	○	○	10	08	9	125	5	–10°	14			
S10K–STFPR/L11H11	●	●	12	10	11	125	6	–13°	25	TP□ T 1102□□		
S12M–STFPR/L 11H13	○	○	16	12	13	150	9	–10°	30	TP□ T 1103□□		
S16Q–STFPR/L 11H17	●	●	20	16	17	180	11	–6°	35			

STUCR/L



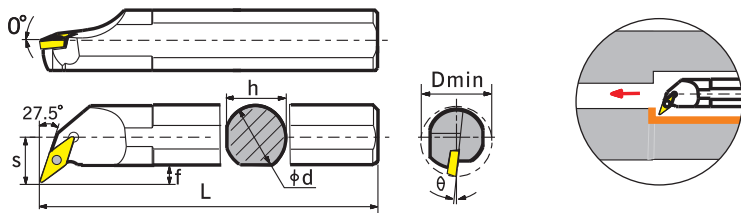
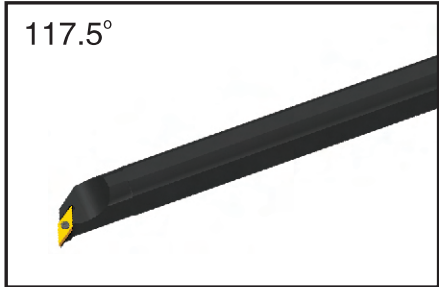
Type	Dimension(mm)									Applicable Inserts	Screw	Wrench
	Stock		Dmin	φd	h	L	s	θ°	e			
	R	L										
S08K-STUCR/L09	○	○	11	08	7	125	5.5	15°	23			
S08K-STUCR/L09-A16	●	●	11	16	7	125	5.5	15°	24			
S10K-STUCR/L09	○	○	13	10	9	125	7	13°	24			
S10K-STUCR/L09-A16	●	●	13	16	9	125	7	13°	30			
S10K-STUCR/L11	●	●	13	10	9	125	7	12°	24	TC□ T 1102□□	L60M2.5X5	T08
S10K-STUCR/L11-A16	●	●	16	16	9	125	7	12°	30			
S12M-STUCR/L11	●	●	16	12	11	150	8.5	10°	27			
S12M-STUCR/L11-A16	○	○	16	16	11	150	8.5	10°	30			
S16Q-STUCR/L11			20	16	15	160	11	8°	30	TC□ T 16T3□□	L60M4X8	T15
S20Q-STUCR/L11			25	20	19	180	13	6°	35			
S25R-STUCR/L11			31	25	24	200	17	4°	40			
S20Q-STUCR/L16			25	20	19	180	13	8°	40			
S25R-STUCR/L16			31	25	24	200	17	6°	40	TC□ T 16T3□□	L60M4X8	T15
S32S-STUCR/L16			39	32	30	250	22	4°	45			
S40T-STUCR/R16			50	40	38	300	27	2°	55			
S50U-STUCR/L16			60	50	48	350	31	0°	60			

SVQCR/L



Type	Dimension(mm)										Applicable Inserts	Screw	Wrench
	Stock		Dmin	φd	h	L	s	θ°	e	f			
	R	L											
S20Q-SVQCR/L16	●		27	20	18	180	14	-8°	41	6.9			
S25S-SVQCR/L16	●	○	32	25	23	200	17	-8°	49	6.9			
S32S-SVQCR/L 16	○		40	32	30	250	23	-8°	56	8.4			
S40T-SVQCR/L 16			50	40	37	300	27	-8°	64	9.4			

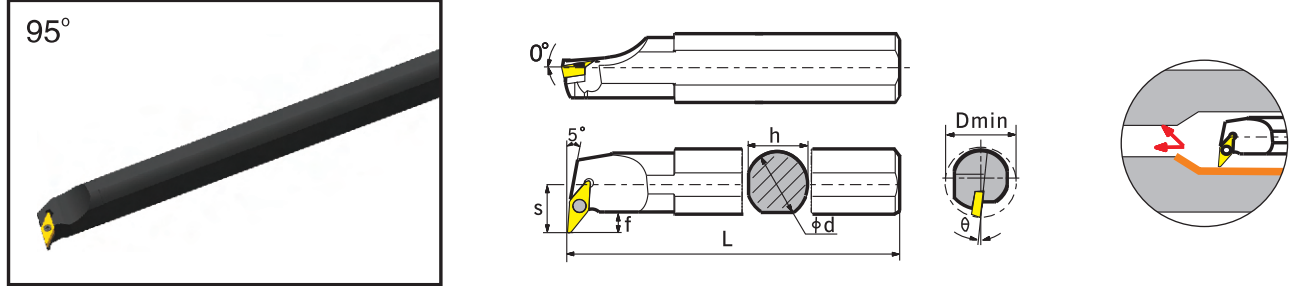
SVQBR/L

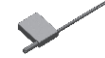


Type	Dimension(mm)										Applicable Inserts	Screw	Wrench
	Stock		Dmin	φd	h	L	s	θ°	e	f			
	R	L											
S20Q-SVQBR/L16	●	●	27	20	18	180	14	-8°	35	6.9			
S25R-SVQBR/L16	○	○	32	25	23	200	17	-8°	49	6.9			
S32S-SVQBR/L 16	○		40	32	30	250	23	-8°	56	8.4			
S40T-SVQBR/L 16	○		50	40	37	300	27	-8°	64	9.4			

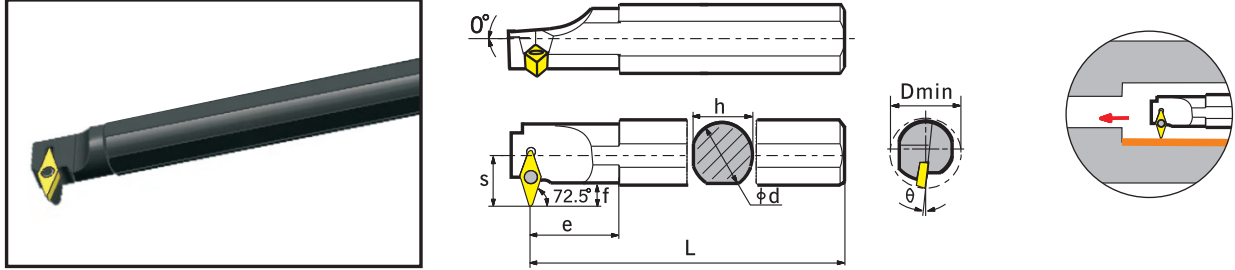
● Stock ○ in Production order

SVUCR/L



Type	Dimension(mm)										Applicable Inserts	Screw	Wrench
	Stock		Dmin	φd	h	L	s	θ°	e	f			
	R	L											
S16Q-SVUCR/L11	●	●	22	16	15	160	12.5	-8°	32.5	6.9			
S20Q-SVUCR/L16	○	○	31	20	18	180	15	-8°	38	6.9			
S25R-SVUCR/L16	○		35	25	23	180	17	-8°	45	8.4			
S32S-SVUCR/L 16	○		42	32	30	250	22	-8°	49	8.4			
S40T-SVUCR/L 16			51	40	37	300	27	-8°	56.5	9.4			

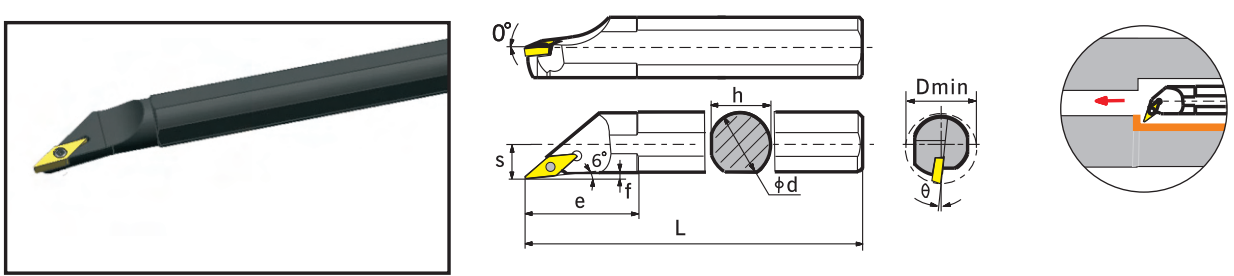
SVWCR/L



Type	Dimension(mm)										Applicable Inserts	Screw	Wrench
	Stock		Dmin	φd	h	L	s	θ°	e	f			
	R	L											
S16Q-SVWCR/L11	●	●	30	25	15	160	11	-8°	32.5	6.9		L60M2.5X5	T08
S20Q-SVWCR/L16	○	○	25	28	18	180	15	-8°	38	6.9			
S25R-SVWCR/L16	○		32	34	23	180	17	-8°	45	8.4			
S32S-SVWCR/L 16	○		40	42	30	250	22	-8°	49	8.4			
S40T-SVWCR/L 16			50	50	37	300	27	-8°	56.5	9.4			

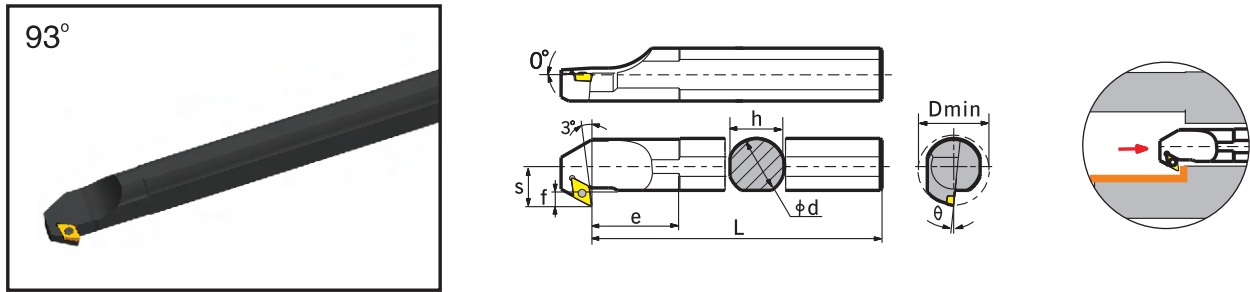
● Stock ○ in Production order

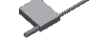
SVXCR/L



Type	Dimension(mm)										Applicable Inserts	Screw	Wrench
	Stock		Dmin	φd	h	L	s	θ°	e	f			
	R	L											
S16Q-SVXCR/L11	●	●	20	16	15	160	11	-8°	32.5	6.9	VC□ T 1604□□	L60M4X8	T15
S20Q-SVXCR/L16	○	○	25	20	18	180	15	-8°	38	6.9			
S25S-SVXCR/L16	○		32	25	23	180	17	-8°	45	8.4			
S32S-SVXCR/L 16	○		40	32	30	250	22	-8°	49	8.4			
S40T-SVXCR/L 16			50	40	37	300	27	-8°	56.5	9.4			

SVZCR/L



Type	Dimension(mm)										Applicable Inserts	Screw	Wrench
	Stock		Dmin	φd	h	L	s	θ°	e	f			
	R	L											
S16Q-SVZCR/L11	●	●	22	16	15	160	11	-8°	32.5	6.9			
S20Q-SVZCR/L16	○	○	28	20	18	180	15	-8°	38	6.9			
S25S-SVZCR/L16	○		34	25	23	180	17	-8°	45	8.4			
S32S-SVZCR/L 16	○		42	32	30	250	22	-8°	49	8.4			
S40T-SVZCR/L 16			50	40	37	300	27	-8°	56.5	9.4			

● Stock ○ in Production order

Example

S

1

N

2

L

3

00

4

16

5

M

6

16

7

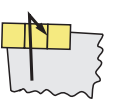
1. Clamping system

Top clamping



C

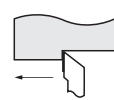
Screw on



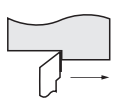
S

3. Hand of tools

R Right



L Left



5. Height



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

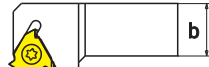
7. Insert Dimension

Code	Cutting edge length	Iscribed circle dia.
11	11	6.35
16	16	9.525
22	22	12.70

2. Type of screw

N	Internal
W	External

4. Shank width

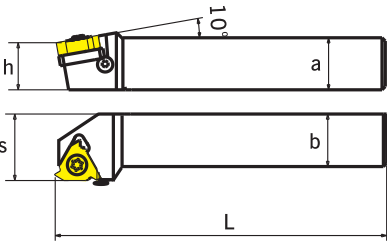
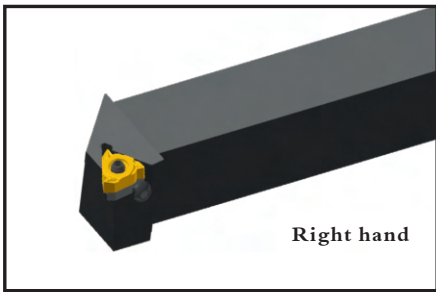


Integers to be proceeded by 0
eg:b=8 indicated by 08

6. Tool length

Code	H	K	M	P	Q
Length	100	125	150	170	180

External threading tools

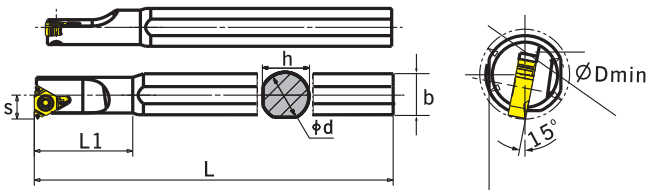
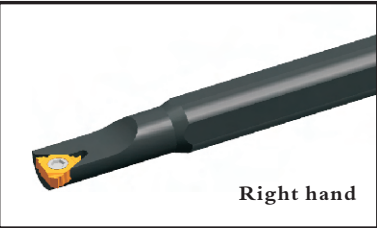


Type		Dimension(mm)						Applicable Inserts	Screw	Shim	Shim Screw	Wrench	
													
		Stock											
R	L	a	h	b	L	s							
SWR/L	1010H11H			10	10	10	100	16	R/LT11.01W-□□GM	L60 M2.5×6			T08
	1212H11H			12	12	12	100	16					
	1616H16H	●	●	16	16	16	100	20	R/LT16.01W-□□GM	L60 M3.5×12	TT16-□□	SS04008	T15 S2.5
	2020K16H	●	●	20	20	20	125	25					
	2525M16H	●	●	25	25	25	150	32					
	3225P16H	●	●	32	32	25	170	32					
	3232P16H	●	●	32	32	32	170	40					
	2525M22H	●	●	25	25	25	150	32	R/LT22.01W-□□GM	L60 M4×17	TT22-□□	SS04008	T20 S2.5
	3225P22H	●	○	32	32	25	170	32					
	3232P22H	○	○	32	32	32	170	40					

Type		Dimension(mm)						Applicable Inserts	Screw	Shim	Shim Screw	Wrench	
													
		Stock	a	h	b	L	s						
R	L												
SWR/L	1010H11			10	10	10	100	16	11ER/L	L60 M2.5×6			T08
	1212H11			12	12	12	100	16					
	1616H16	●	●	16	16	16	100	20					
	2020K16	●	●	20	20	20	125	25	16ER/L	L60 M3.5×12	TT16-□□	SS04008	T15 S2.5
	2525M16	●	●	25	25	25	150	32					
	3225P16	●	●	32	32	25	170	32					
	3232P16	●	●	32	32	32	170	40					
	2525M22	●	●	25	25	25	150	32	22ER/L	L60 M4×17	TT22-□□	SS04008	T20 S2.5
	3225P22	●	○	32	32	25	170	32					
	3232P22	○	○	32	32	32	170	40					

● Stock ○ in Production order

Internal threading tools



Type	Dimension(mm)								Applicable Inserts	Shim	Screw	Wrench
	Stock	d	L	b	Dmin	s	h	L1				
SNL0010K11H	○	10	125	12.5	12	6	9.5	32	LT11.01N-□□GM		L60 M2.5×5	T08
SNL0012K11H	○	12	125	12.5	16	6	11.5	32				
SNL0013M16H	○	13	150	15	16	10	15.5	32				
SNL0016M16H	●	16	150	15	20	12	15.5	45				
SNL0020Q16H	●	20	180	18	25	14	19.5	40				
SNL0025R16H	●	25	200	20	30	16	24	45	RT11.01N-□□GM		L60 M2.5×5	T08
SNR0010K11H	○	10	125	12.5	15	6	9.5	32				
SNR0012K11H	●	12	125	12.5	16	6	11.5	32				
SNR0013M16H	○	16	150	15	16	10	15.5	32	RT16.01N-□□GM	TT16-□□	L60 M3.5×8	T15
SNR0016M16H	●	16	150	15	20	12	15.5	45				
SNR0020Q16H	●	20	180	18	25	14	19.5	40				
SNR0025R16H	●	25	200	25	30	14	24	45				

Type	Dimension(mm)								Applicable Inserts	Shim	Screw	Wrench
	Stock	d	L	b	Dmin	s	h	L1				
SNL0010K11	○	10	125	12.5	12	6	9.5	32	16IR-□□		L60 M2.5×5	T08
SNL0012K11	○	12	125	12.5	16	6	11.5	32				
SNL0013M16	○	13	150	15	16	10	15.5	32				
SNL0016M16	●	16	150	15	20	12	15.5	45				
SNL0020Q16	●	20	180	18	25	14	19.5	40				
SNL0025R16	●	25	200	20	30	16	24	45	16IR-□□		L60 M3.5×8	T15
SNR0010K11	○	10	125		15	6	9.5	32				
SNR0012K11	●	12	125		16	6	11.5	32				
SNR0013M16	○	16	150		16	10	15.5	32	16IR-□□		L60 M3.5×8	T15
SNR0016M16	●	16	150		20	12	15.5	45				
SNR0020Q16	●	20	180		25	14	19.5	40				
SNR0025R16	●	25	200		30	14	24	45				
SNR0032S16		32	250		36	20	30	55				
SNR0032S22		32	250		38	22	30	55	22IR-□□	TT22-□□	L60 M4×12	T20
SNR0040T22		40	300		46	26	38	60				

● Stock ○ in Production order

Parting and grooving holders code key

External and surface cutting

Q	F	G	D	25	25	R	22	52	H
1	2	3	4	5	6	7	8	9	10

- 1.code of grooving tool Q : parting and grooving P: Parting
- 2.Machining way E : External turning F: Surface turning
- 3.code of locating slot
Consistency to the code of locating slot and width range of cutting blade
4. code of matching insert's blade S : single blade D : double blades
5. height
6. shank width
7. Hand of tools R :right L :left
8. maximum depth of cutting
- 9.Minimum diameter of first cutting
- 10.H: straight L : Bend

Internal cutting

C	32	S	-	Q	G	D	R	11	-	44
1	2	3		4	5	6	7	8		9

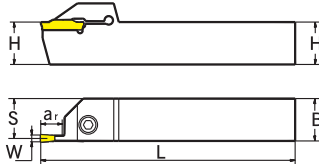
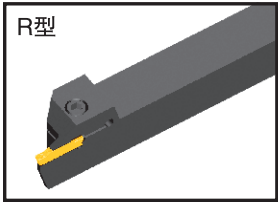
1. Clamping system
2. Diameter of toolholder
3. Tool length
4. code of grooving tools
5. code of locating slot
6. matching insert's edges
7. Hand of tools R :right L :left
8. maximum depth of cutting
9. Minimum bore diameter of machining

Height of blades

P	H	S	32	32
1	2	3	4	5

1. parting toolholder
- 2.base of toolholder
- 3.matching insert's edges
- 4.specification of blade
5. height of balde

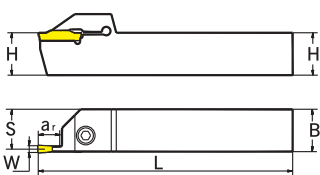
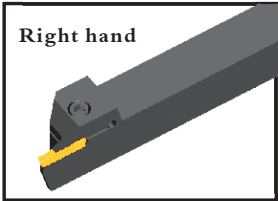
External Parting, Grooving and Turning Tools



Type		Dimension(mm)					Insents	Screw	Wrench
		H×B	L	S	W	a _r max			
QEED	1616R/L10	16x16	125	15	2.5	10	Z*ED*****	M5×20	S4
	1616R/L17	16x16	125	15	2.5	17	Z*ED*****		
	2020R/L10	20x20	125	19	2.5	10	Z*ED*****	M6×20	S5
	2020R/L17	20x20	125	19	2.5	17	Z*ED*****		
	2525R/L10	25x25	150	24	2.5	10	Z*ED*****		
	2525R/L17	25x25	150	24	2.5	17	Z*ED*****		
QEFD	1616R/L10	16x16	125	14.8	3	10	Z*FD*****	M5×20	S4
	1616R/L17	16x16	125	14.8	3	17	Z*FD*****		
	2020R/L10	20x20	125	18.8	3	10	Z*FD*****		
	2020R/L17	20x20	125	18.8	3	17	Z*FD*****		
	2525R/L10	25x25	150	23.8	3	10	Z*FD*****		
	2525R/L17	25x25	150	23.8	3	17	Z*FD*****		
QEGD	2020R/L13	20x20	140	18.5	4	13	Z*GD*****	M6×20	S5
	2020R/L 22	20x20	140	18.5	4	22	Z*GD*****		
	2525R/L13	25x25	150	23.5	4	13	Z*GD*****		
	2525R/L 22	25x25	150	23.5	4	22	Z*GD*****		
	3232R/L13	32x32	170	30.5	4	13	Z*GD*****		
	3232R/L 22	32x32	170	30.5	4	22	Z*GD*****		
QEHD	2525R/L13	25x25	150	23	5	13	Z*HD*****		
	2525R/L 22	25x25	150	23	5	22	Z*HD*****		
QEHS	2525N 30	25x25	150	12.5	5	30	Z*HS*****		
QEHD	3232R/L13	32x32	170	30	5	13	Z*HD*****		
	3232R/L 22	32x32	170	30	5	22	Z*HD*****		
QEHS	3232N 30	32x32	170	16	5	30	Z*HS*****		
QEKD	2525R/L13	25x25	150	22.6	6	13	Z*KD*****		
	2525R/L 22	25x25	150	22.6	6	22	Z*KD*****		
QEKs	2525N 30	25x25	150	12.5	6	30	Z*KS*****		
QEKD	3232R/L13	32x32	170	29.6	6	13	Z*KD*****		
	3232R/L 22	32x32	170	29.6	6	22	Z*KD*****		
QEKs	3232N 30	32x32	170	16	6	30	Z*KS*****		

★ Parting, grooving, turning, profiling inserts are adaptable to the tools.

External Parting, Grooving and Turning Tools

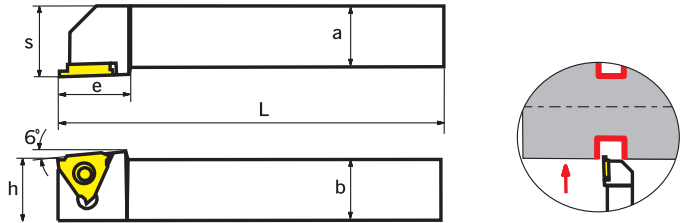
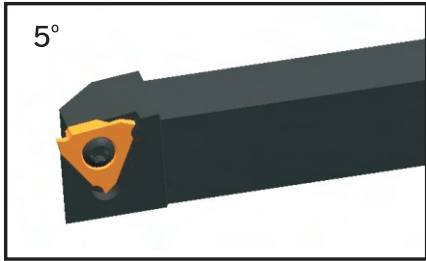


Type		Dimension(mm)					Insents	Screw	Wrench
		H	L	S	W	a _r max			
MGEHR/L	1616-2	16	100	15	2	14.5	MGMN200-M	M5 × 20	S4
	2020-2	20	125	19	2	14.5	MGMN200-M	M6 × 20	S5
	2525-2	25	150	24	2	14.5	MGMN200-M	M5 × 20	S4
	1616-2.5	16	100	15	2.5	16.5	MGMN250-M	M6 × 20	S5
	2020-2.5	20	125	19	2.5	16.5	MGMN250-M	M5 × 20	S4
	2525-2.5	25	150	24	2.5	16.5	MGMN250-M	M6 × 20	S5
	1616-3	16	100	14.8	3	18	MGMN300-M	M5 × 20	S4
	2020-3	20	125	18.8	3	18	MGMN300-M		
	2020-3-T10	20	125	18.8	3	10	MGMN300-M		
	2525-3	25	150	23.8	3	18	MGMN300-M		
	2525-3-T10	25	150	23.8	3	10	MGMN300-M		
	3232-3	32	170	30.5	3	18	MGMN300-M		
	3232-3-T10	32	170	30.5	3	10	MGMN300-M		
	2020-4	20	125	18.5	4	18	MGMN400-M	M6 × 20	S5
	2020-4-T10	20	125	18.5	4	10	MGMN400-M		
	2525-4	25	150	23.5	4	18	MGMN400-M		
	2525-4-T10	25	150	23.5	4	10	MGMN400-M		
	3232-4	32	170	30.5	4	18	MGMN400-M		
	3232-4-T10	32	170	30.5	4	10	MGMN400-M		
	2020-5	20	150	18	5	23	MGMN500-M		
	2020-5-T15	20	150	18	5	15	MGMN500-M		
	2525-5	25	150	23	5	23	MGMN500-M		
	2525-5-T15	25	150	23	5	15	MGMN500-M		
	3232-5	32	170	30	5	23	MGMN500-M		
	3232-5-T15	32	170	30	5	15	MGMN500-M		
	2020-6	20	125	17	6	23	MGMN600-M		
	2020-6-T10	20	125	17	6	10	MGMN600-M		
	2525-6	25	150	22.6	6	23	MGMN600-M		
	2525-6-T15	25	150	22.6	6	15	MGMN600-M		
	3232-6	32	170	29.6	6	23	MGMN600-M		
	3232-6-T15	32	170	29.6	6	15	MGMN600-M		

★ Parting, grooving, turning, profiling inserts are adaptable to the tools.

Turning tools

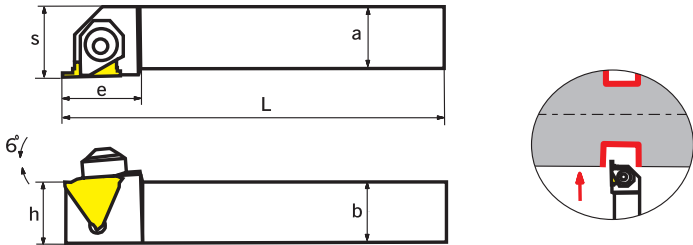
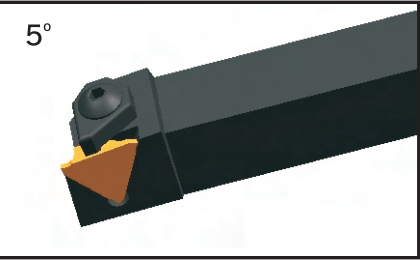
SGTR/L



Type		Dimension(mm)								Applicable Inserts	Clamping screw	Wrench
		Stock		h	b	L ₁	L ₂	H ₁	f			
		R	L									
SGTR/L	1212H16C	●	●	12	12	100	20	12	16			
	1616H16C	●	●	15	16	100	20	16	20			
	2020K16C	○	○	20	20	125	20	20	25			
	2525M16C	●	○	25	25	150	20	25	32			
	2020K22C	○	○	20	20	125	30	20	25			
	2525M22C			25	25	150	30	25	32			

Note: match toshiba's inserts

KGBR/L

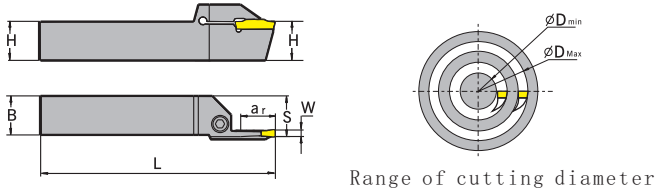
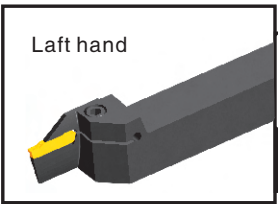


Type		Dimension(mm)								Applicable Inserts	Clamping screw	Clamp	Wrench
		Stock		a	b	L	h	s	e				
		R	L										
KGBR/L	2020K22-15	●	●	20	20	125	20	25	24				
	2525M22-15	●	●	25	25	150	25	30	25				
	2020K22-25	●	●	20	20	125	20	25	25.5				
	2525M22-25	●	●	25	25	250	25	30	25.5				
	2020K22-35	●	●	20	20	125	20	25	25.5				
	2525M22-35			25	25	150	25	30	25.5				

Note: match kyocera's insert

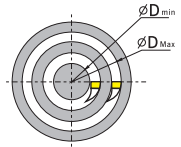
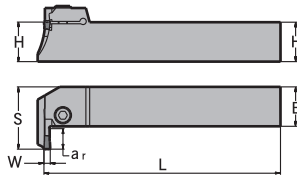
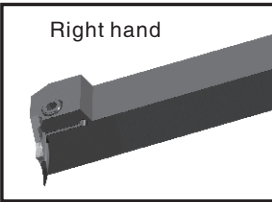
Turning tools

Surface Grooving and Turning Tools



Type	Dimension(mm)						Applicable inserts	Screw	Wrench
	HxB	L	S	W	a _r	∅D (Min-max)			
QFFD2525R/L10-48H	25x25	150	26	3	10	48-66	ZTFD0303-MG		
QFFD2525R/L17-48H	25x25	150	26	3	17	48-66	ZTFD0303-MG		
QFFD2525R/L10-60H	25x25	150	26	3	10	60-80	ZTFD0303-MG		
QFFD2525R/L17-60H	25x25	150	26	3	17	60-80	ZTFD0303-MG		
QFFD2525R/L10-74H	25x25	150	26	3	10	74-110	ZTFD0303-MG		
QFFD2525R/L17-74H	25x25	150	26	3	17	74-110	ZTFD0303-MG		
QFFD2525R/L10-100H	25x25	150	26	3	10	100-150	ZTFD0303-MG		
QFFD2525R/L17-100H	25x25	150	26	3	17	100-150	ZTFD0303-MG		
QFGD2525R/L13-52H	25x25	150	26	4	13	52-72	ZTGD0404-MG		
QFGD2525R/L 22-52H	25x25	150	26	4	22	52-72	ZTGD0404-MG		
QFGD2525R/L13-64H	25x25	150	26	4	13	64-100	ZTGD0404-MG		
QFGD2525R/L 22-64H	25x25	150	26	4	22	64-100	ZTGD0404-MG		
QFGD2525R/L13-90H	25x25	150	26	4	13	90-140	ZTGD0404-MG		
QFGD2525R/L 22-90H	25x25	150	26	4	22	90-140	ZTGD0404-MG		
QFGD2525R/L13-130H	25x25	150	26	4	13	130-230	ZTGD0404-MG		
QFGD2525R/L 22-130H	25x25	150	26	4	22	130-230	ZTGD0404-MG		
QFHD2525R/L 13-58H	25x25	150	26	5	13	58-96	ZTHD0504-MG		
QFHD2525R/L 22-58H	25x25	150	26	5	22	58-96	ZTHD0504-MG		
QFHD2525R/L 13-86H	25x25	150	26	5	13	86-140	ZTHD0504-MG		
QFHD2525R/L 22-86H	25x25	150	26	5	22	86-140	ZTHD0504-MG		
QFHD2525R/L 13-130H	25x25	150	26	5	13	130-200	ZTHD0504-MG		
QFHD2525R/L 22-130H	25x25	150	26	5	22	130-200	ZTHD0504-MG		
QFHD2525R/L 13-185H	25x25	150	26	5	13	185-400	ZTHD0504-MG		
QFHD2525R/L 22-185H	25x25	150	26	5	22	185-400	ZTHD0504-MG		
QFKD2525R/L 30-185H	25x25	150	26	5	30	185-400	ZTHS0504-MG		
QFKD2525R/L 13-60H	25x25	150	26	6	13	60-100	ZTKD0608-MG		
QFKD2525R/L 22-60H	25x25	150	26	6	22	60-100	ZTKD0608-MG		
QFKD2525R/L 13-88H	25x25	150	26	6	13	88-180	ZTKD0608-MG		
QFKD2525R/L 22-88H	25x25	150	26	6	22	88-180	ZTKD0608-MG		
QFKD2525R/L 13-160H	25x25	150	26	6	13	160-400	ZTKD0608-MG		
QFKD2525R/L 22-160H	25x25	150	26	6	22	160-400	ZTKD0608-MG		
QFKD2525R/L 30-160H	25x25	150	26	6	30	160-400	ZTKS0608-MG		

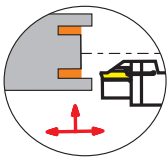
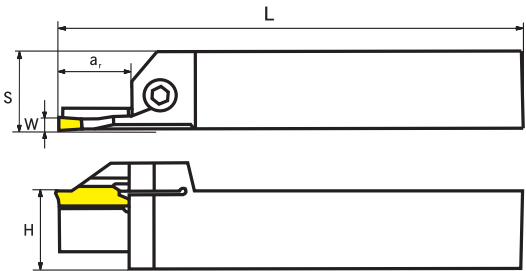
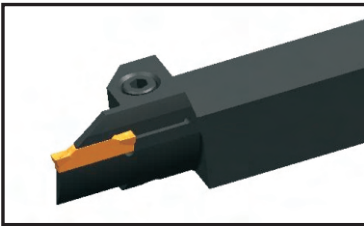
Surface Grooving and Turning Tools



Range of cutting diameter

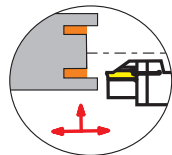
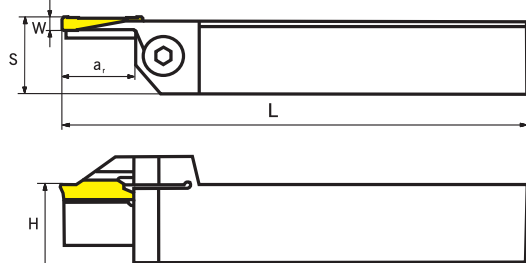
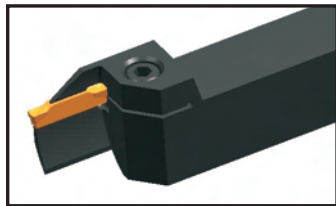
Type	Dimension(mm)						Applicable inserts	Screw	Wrench
	HxB	L	S	W	a _r	∅D (Min-max)			
QFFD2525R/L 10-48L	25x25	150	36.5	3	10	48-66	ZTFD0303-MG	M6×20	S5
QFFD2525R/L 17-48L	25x25	150	43.5	3	17	48-66	ZTFD0303-MG		
QFFD2525R/L10-60L	25x25	150	36.5	3	10	60-80	ZTFD0303-MG		
QFFD2525R/L 17-60L	25x25	150	43.5	3	17	60-80	ZTFD0303-MG		
QFFD2525R/L 10-74L	25x25	150	36.5	3	10	74-110	ZTFD0303-MG		
QFFD2525R/L 17-74L	25x25	150	43.5	3	17	74-110	ZTFD0303-MG		
QFFD2525R/L 10-100L	25x25	150	36.5	3	10	100-150	ZTFD0303-MG		
QFFD2525R/L 17-100L	25x25	150	43.5	3	17	100-150	ZTFD0303-MG		
QFGD2525R/L 13-52L	25x25	150	39.5	4	13	52-72	ZTGD0404-MG		
QFGD2525R/L 22-52L	25x25	150	48.5	4	22	52-72	ZTGD0404-MG		
QFGD2525R/L 13-64L	25x25	150	39.5	4	13	64-100	ZTGD0404-MG		
QFGD2525R/L 22-64L	25x25	150	48.5	4	22	64-100	ZTGD0404-MG		
QFGD2525R/L 13-90L	25x25	150	39.5	4	13	90-140	ZTGD0404-MG		
QFGD2525R/L 22-90L	25x25	150	48.5	4	22	90-140	ZTGD0404-MG		
QFGD2525R/L 13-130L	25x25	150	39.5	4	13	130-230	ZTGD0404-MG		
QFGD2525R/L 22-130L	25x25	150	48.5	4	22	130-230	ZTGD0404-MG		
QFHD2525R/L 13-58L	25x25	150	39.5	5	13	58-96	ZTHD0504-MG		
QFHD2525R/L 22-58L	25x25	150	48.5	5	22	58-96	ZTHD0504-MG		
QFHD2525R/L 13-86L	25x25	150	39.5	5	13	86-140	ZTHD0504-MG		
QFHD2525R/L 22-86L	25x25	150	48.5	5	22	86-140	ZTHD0504-MG		
QFHD2525R/L 13-130L	25x25	150	39.5	5	13	130-200	ZTHD0504-MG		
QFHD2525R/L 22-130L	25x25	150	48.5	5	22	130-200	ZTHD0504-MG		
QFHD2525R/L 13-185L	25x25	150	39.5	5	13	185-400	ZTHD0504-MG		
QFHD2525R/L 22-185L	25x25	150	48.5	5	22	185-400	ZTHD0504-MG		
QFHD2525R/L 30-185L	25x25	150	56.5	5	30	185-400	ZTHS0504-MG		
QFKD2525R/L 13-60L	25x25	150	39.5	6	13	60-100	ZTKD0608-MG		
QFKD2525R/L 22-60L	25x25	150	48.5	6	22	60-100	ZTKD0608-MG		
QFKD2525R/L 13-88L	25x25	150	39.5	6	13	88-180	ZTKD0608-MG		
QFKD2525R/L 22-88L	25x25	150	48.5	6	22	88-180	ZTKD0608-MG		
QFKD2525R/L 13-160L	25x25	150	39.5	6	13	160-400	ZTKD0608-MG		
QFKD2525R/L 22-160L	25x25	150	48.5	6	22	160-400	ZTKD0608-MG		
GFKD2525R/L 30-160L	25x25	150	56.5	6	30	160-400	ZTKS0608-MG		

QF□D-RR



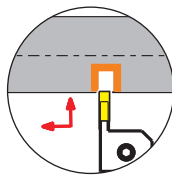
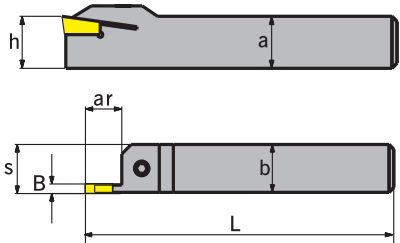
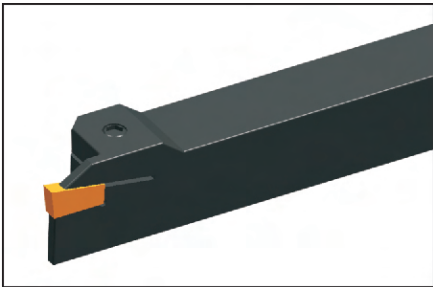
Type	Dimension(mm)						Applicable inserts	Screw	Wrench
	HxB	L	S	W	a _r	∅D (Min-max)			
QFFD2525RR10-48H	25x25	150	26	3	10	48-66	ZTFD0303-MG	M6×20	S5
QFFD2525RR17-48H	25x25	150	26	3	17	48-66	ZTFD0303-MG		
QFFD2525RR10-60H	25x25	150	26	3	10	60-80	ZTFD0303-MG		
QFFD2525RR17-60H	25x25	150	26	3	17	60-80	ZTFD0303-MG		
QFFD2525RR10-74H	25x25	150	26	3	10	74-110	ZTFD0303-MG		
QFFD2525RR17-74H	25x25	150	26	3	17	74-110	ZTFD0303-MG		
QFFD2525RR10-100H	25x25	150	26	3	10	100-150	ZTFD0303-MG		
QFFD2525RR7-100H	25x25	150	26	3	17	100-150	ZTFD0303-MG		
QFGD2525RR13-52H	25x25	150	26	4	13	52-72	ZTGD0404-MG		
QFGD2525RR 22-52H	25x25	150	26	4	22	52-72	ZTGD0404-MG		
QFGD2525RR13-64H	25x25	150	26	4	13	64-100	ZTGD0404-MG		
QFGD2525RR 22-64H	25x25	150	26	4	22	64-100	ZTGD0404-MG		
QFGD2525RR13-90H	25x25	150	26	4	13	90-140	ZTGD0404-MG		
QFGD2525RR 22-90H	25x25	150	26	4	22	90-140	ZTGD0404-MG		
QFGD2525RR3-130H	25x25	150	26	4	13	130-230	ZTGD0404-MG		
QFGD2525RR22-130H	25x25	150	26	4	22	130-230	ZTGD0404-MG		
QFHD2525RR13-58H	25x25	150	26	5	13	58-96	ZTHD0504-MG		
QFHD2525RR 22-58H	25x25	150	26	5	22	58-96	ZTHD0504-MG		
QFHD2525RR 13-86H	25x25	150	26	5	13	86-140	ZTHD0504-MG		
QFHD2525RR 22-86H	25x25	150	26	5	22	86-140	ZTHD0504-MG		
QFHD2525RR 13-130H	25x25	150	26	5	13	130-200	ZTHD0504-MG		
QFHD2525RR 22-130H	25x25	150	26	5	22	130-200	ZTHD0504-MG		
QFHD2525RR 13-185H	25x25	150	26	5	13	185-400	ZTHD0504-MG		
QFHD2525RR 22-185H	25x25	150	26	5	22	185-400	ZTHD0504-MG		
QFKD2525RR 30-185H	25x25	150	26	5	30	185-400	ZTHS0504-MG		
QFKD2525RR 13-60H	25x25	150	26	6	13	60-100	ZTKD0608-MG		
QFKD2525RR22-60H	25x25	150	26	6	22	60-100	ZTKD0608-MG		
QFKD2525RR 13-88H	25x25	150	26	6	13	88-180	ZTKD0608-MG		
QFKD2525RR 22-88H	25x25	150	26	6	22	88-180	ZTKD0608-MG		
QFKD2525RR 13-160H	25x25	150	26	6	13	160-400	ZTKD0608-MG		
QFKD2525RR 22-160H	25x25	150	26	6	22	160-400	ZTKD0608-MG		
QFKD2525RR 30-160H	25x25	150	26	6	30	160-400	ZTKS0608-MG		

QF□D-LL



Type	Dimension(mm)						Applicable inserts	Screw	Wrench
	HxB	L	S	W	a _r	∅D (Min-max)			
QFFD2525LL10-48H	25x25	150	26	3	10	48-66	ZTFD0303-MG		
QFFD2525LL17-48H	25x25	150	26	3	17	48-66	ZTFD0303-MG		
QFFD2525LL10-60H	25x25	150	26	3	10	60-80	ZTFD0303-MG		
QFFD2525LL17-60H	25x25	150	26	3	17	60-80	ZTFD0303-MG		
QFFD2525LL10-74H	25x25	150	26	3	10	74-110	ZTFD0303-MG		
QFFD2525LL17-74H	25x25	150	26	3	17	74-110	ZTFD0303-MG		
QFFD2525LL10-100H	25x25	150	26	3	10	100-150	ZTFD0303-MG		
QFFD2525LL17-100H	25x25	150	26	3	17	100-150	ZTFD0303-MG		
QFGD2525LL13-52H	25x25	150	26	4	13	52-72	ZTGD0404-MG		
QFGD2525LL 22-52H	25x25	150	26	4	22	52-72	ZTGD0404-MG		
QFGD2525LL13-64H	25x25	150	26	4	13	64-100	ZTGD0404-MG		
QFGD2525LL 22-64H	25x25	150	26	4	22	64-100	ZTGD0404-MG		
QFGD2525LL13-90H	25x25	150	26	4	13	90-140	ZTGD0404-MG		
QFGD2525LL 22-90H	25x25	150	26	4	22	90-140	ZTGD0404-MG		
QFGD2525LL13-130H	25x25	150	26	4	13	130-230	ZTGD0404-MG		
QFGD2525LL 22-130H	25x25	150	26	4	22	130-230	ZTGD0404-MG		
QFHD2525LL 13-58H	25x25	150	26	5	13	58-96	ZTHD0504-MG		
QFHD2525LL 22-58H	25x25	150	26	5	22	58-96	ZTHD0504-MG		
QFHD2525LL 13-86H	25x25	150	26	5	13	86-140	ZTHD0504-MG		
QFHD2525LL 22-86H	25x25	150	26	5	22	86-140	ZTHD0504-MG		
QFHD2525LL 13-130H	25x25	150	26	5	13	130-200	ZTHD0504-MG		
QFHD2525LL 22-130H	25x25	150	26	5	22	130-200	ZTHD0504-MG		
QFHD2525LL 13-185H	25x25	150	26	5	13	185-400	ZTHD0504-MG		
QFHD2525LL 22-185H	25x25	150	26	5	22	185-400	ZTHD0504-MG		
QFKD2525LL 30-185H	25x25	150	26	5	30	185-400	ZTHS0504-MG		
QFKD2525LL 13-60H	25x25	150	26	6	13	60-100	ZTKD0608-MG		
QFKD2525LL 22-60H	25x25	150	26	6	22	60-100	ZTKD0608-MG		
QFKD2525LL 13-88H	25x25	150	26	6	13	88-180	ZTKD0608-MG		
QFKD2525LL 22-88H	25x25	150	26	6	22	88-180	ZTKD0608-MG		
QFKD2525LL 13-160H	25x25	150	26	6	13	160-400	ZTKD0608-MG		
QFKD2525LL 22-160H	25x25	150	26	6	22	160-400	ZTKD0608-MG		
QFKD2525LL 30-160H	25x25	150	26	6	30	160-400	ZTKS0608-MG		

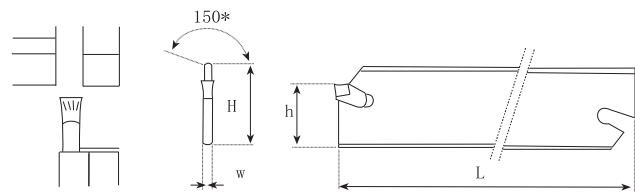
ZQ



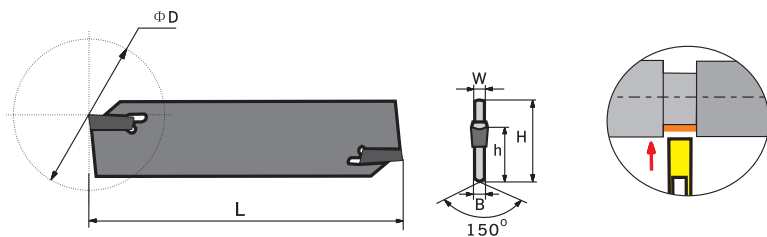
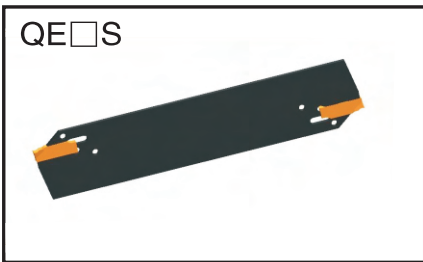
Type	Dimension(mm)								Applicable inserts	Screw	Wrench		
	Stock	h	b	L	S	B	a _{r,max}		B126				
ZQ	1616R03		16	16	100	16.4	3	16	ZQMX3N11-IE	M5x17	S4		
	1616R04		16	16	100	16.4	4	18	ZQMX4N11-IE				
	2020R03	●	20	20	125	20.4	3	20	ZQMX3N11-IE	M6x20	S5		
	2020R04	●	20	20	125	20.4	4	20	ZQMX4N11-IE				
	2525R03	●	25	25	150	25.4	3	20	ZQMX3N11-IE				
	2525R04	●	25	25	150	25.4	4	20	ZQMX4N11-IE				
	2525R05	●	25	25	150	25.4	5	25	ZQMX5N11-IE				
	2525R06	●	25	25	150	25.7	6	32	ZQMX6N11-IE				
	3225R03	●	32	25	170	25.4	3	25	ZQMX3N11-IE	M6x22	S5		
	3225R04	●	32	25	170	25.4	4	25	ZQMX4N11-IE				
	3225R05	●	32	25	170	25.4	5	25	ZQMX5N11-IE				
	3225R06	●	32	25	170	25.7	6	35	ZQMX6N11-IE				
ZQ	1616L03		16	16	100	16.4	3	16	ZQMX3N11-IE	M5x17	S4		
	1616L04		16	16	100	16.4	4	16	ZQMX4N11-IE	M6x20	S5		
	2020L03	●	20	20	125	20.4	3	20	ZQMX3N11-IE				
	2020L04	●	20	20	125	20.4	4	20	ZQMX4N11-IE				
	2525L03	●	25	25	150	25.4	3	20	ZQMX3N11-IE				
	2525L04	●	25	25	150	25.4	4	20	ZQMX4N11-IE				
	2525L05	●	25	25	150	25.4	5	25	ZQMX5N11-IE				
	2525L06	○	25	25	150	25.7	6	32	ZQMX6N11-IE	M6x22	S5		
	3225L03	○	32	25	170	25.4	3	25	ZQMX3N11-IE				
	3225L04	○	32	25	170	25.4	4	25	ZQMX4N11-IE				
	3225L05	○	32	25	170	25.4	5	25	ZQMX5N11-IE				
	3225L06	○	32	25	170	25.7	6	32	ZQMX6N11-IE				

● Stock ○ in Production order

External Parting Blade

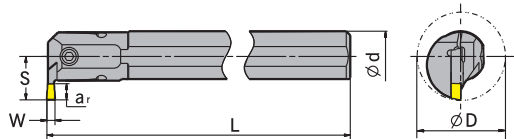


Reference	Toolholder shape		Applicable conditions				Applicable insert	Spane part	
Notes			Parting						
Type		Stock	H	W	L	h		Wrench	
SPB	326-S	●	26	2.4	110	21	ZQMX3N11-1E	PE5	
	426-S	●	26	3.2	110	21	ZQMX4N11-1E		
	526-S	●	26	4.0	110	21	ZQMX5N11-1E		
	626-S		26	5.2	110	21	ZQMX6N11-1E		
	332-S	●	32	2.4	150	25	ZQMX3N11-1E		
	432-S	●	32	3.2	150	25	ZQMX4N11-1E		
	532-S	●	32	4.0	150	25	ZQMX5N11-1E		
	632-S	●	32	5.2	150	25	ZQMX6N11-1E		



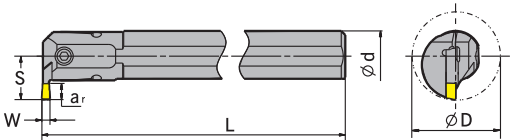
Type	Dimension(mm)								Applicable Inserts
	Stock		L	H	h	B	W	ΦD _{max}	
	R	L							
QEEs26N	●	●	110	26	19	2	2.5	60	ZPES0202-MG
QEFS26N	●	●	110	26	19	2.4	3	60	ZPFS0302-MG
QEGS26N	●	●	110	26	19	3.2	4	70	ZPGS0402-MG
QEHS26N	●	●	110	26	19	4	5	70	ZPHS0502-MG
QEGS26N	●	●	110	26	19	5	6	70	ZPKS0602-MG
QEEs32N	●	●	150	32	24.6	2	2.5	100	ZPES0202-MG
QEFS32N	●	●	150	32	24.6	2.4	3	100	ZPFS0302-MG
QEGS32N	●	●	150	32	24.6	3.2	4	120	ZPGS0402-MG
QEHS32N			150	32	24.6	4	5	120	ZPHS0502-MG
QEGS32N			150	32	24.6	5	6	120	ZPKS0602-MG

Internal Grooving and Turning Tools



Type	Dimension(mm)						Applicable inserts	Screw	Wrench
	Ød	L	S	W	最大切深 a _r max	ØD (最小加工直径)			
C20Q-QEDR/L 05-27	20	180	15.2	2.5	5	27	ZTED*****	M4×14	S3
C25R-QEDR/L 07-33	25	200	20.3	2.5	7	33			
C32S-QEDR/L 09-42	32	250	25.3	2.5	9	42	ZRED*****	M5×17	S4
C20Q-QFDR/L 05-27	20	180	15.2	3	5	27	ZTFD*****		
C25R-QFDR/L 07-33	25	200	20.3	3	7	33	ZRFD*****	M5×17	S4
C32S-QFDR/L 09-42	32	250	25.3	3	9	42			
C25R-QGDR/L 08-35	25	200	21.5	4	8	35	ZTGD*****	M5×17	S4
C32S-QGDR/L 11-44	32	250	27.5	4	11	44	ZRGD*****		
C40T-QGDR/L 13-54	40	300	33.5	4	13	54	ZTHD*****	M6×20	S5
C25R-QHDR/L 08-35	25	200	21.5	5	8	35			
C32S-QHDR/L 11-44	32	250	27.5	5	11	44	ZRHD*****	M6×20	S5
C40T-QHDR/L 13-54	40	300	33.5	5	13	54	ZTKD*****		
C25R-QKDR/L 08-35	25	200	21.5	6	8	35	ZRKD*****		
C32S-QKDR/L 11-44	32	250	27.5	6	11	44			
C40T-QKDR/L 13-54	40	300	33.5	6	13	54			

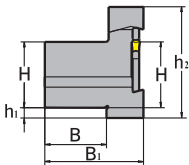
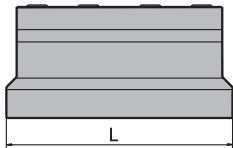
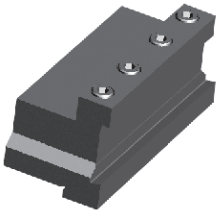
Internal Grooving and Turning Tools



Type		Dimension(mm)					Insents	Screw	Wrench
		Ød	L	S	W	a _{r,max}			
MGIVR/L	2016-1.5	16	180	11.3	1.5	3	MGMN150-M	M4 × 14	S3
	2520-1.5	20	180	13.1	1.5	4	MGMN150-M	M5 × 17	S4
	2925-1.5	25	200	16.2	1.5	4	MGMN150-M	M6 × 20	S5
	2016-2	16	180	12.4	2	4	MGMN200-M	M4 × 14	S3
	2520-2	20	180	14	2	5	MGMN200-M	M5 × 17	S4
	2925-2	25	200	17.2	2	5	MGMN200-M	M6 × 20	S5
	2016-2.5	16	180	12.5	2.5	6	MGMN250-M	M4 × 14	S3
	2520-2.5	20	180	15.1	2.5	6	MGMN250-M	M5 × 17	S4
	2925-2.5	25	200	18.2	2.5	6	MGMN250-M	M6 × 20	S5
	2520-3	20	180	15.6	3	6	MGMN300-M	M5 × 17	S4
	3125-3	25	200	18.9	3	6	MGMN300-M	M6 × 20	S5
	3732-3	32	250	21.5	3	6	MGMN300-M	M5 × 17	S4
	2520-4	20	180	15.6	4	6	MGMN400-M	M6 × 20	S5
	3125-4	25	200	18.9	4	6	MGMN400-M		
	3732-4	32	250	21.5	4	6	MGMN400-M		
	3125-5	25	200	19.1	5	8	MGMN500-M		
	3732-5	32	250	21.5	5	8	MGMN500-M		
	3125-6	25	200	19.4	6	8	MGMN600-M		
	3732-6	32	250	21.5	6	8	MGMN600-M		
	3732-8	32	250	23.2	8	10	MGMN800-M		
	3540-8	40	300	27.2	8	10	MGMN800-M		
	3125-6A	25	200	19.4	6	8	MGMN600-M		
	3732-6A	32	250	21.5	6	8	MGMN600-M		
	3732-8A	32	250	23.4	8	10	MGMN800-M		
	4540-8A	40	300	27.2	8	10	MGMN800-M		

★ Parting, grooving, turning, profiling inserts are adaptable to the tools.

Parting Blade Holders



Type	Dimension(mm)						clamp	Screw	Wrench
	L	H	h ₁	h ₂	B	B ₁			
PHS2026	86	20	10	46.6	19	38	PHS26	M6 × 20	S5
PHS2526	86	25	5	46.6	23	42	PHS26		
PHS3226	86	30	3	51.6	30	48	PHS26		
PHS2032	110	20	13	50	19	38	PHS32		
PHS2532	110	25	8	50	23	42	PHS32		
PHS3232	110	32	5	54	30	48	PHS32		