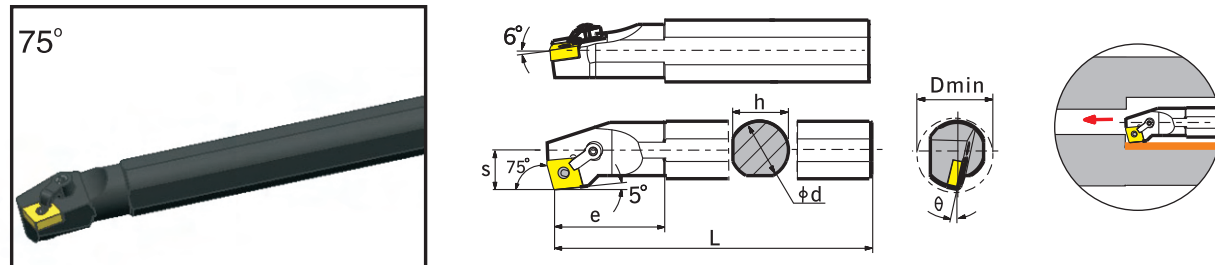


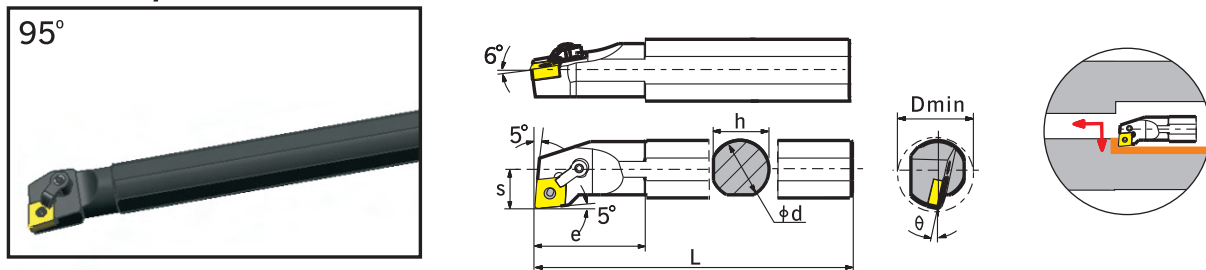
Turning tools

MCKNR/L



Type	Dimension(mm)								Applicable Inserts	Shim	Clamping stud	Clamp	Clamping screw	Wrench	
	Stock		Dmin	phi d	h	L	s	theta							e
	R	L													
S20Q-MCKNR/L12			26	20	18	180	13	15°	45	CN □ 1204 □ □	X	MSP 613	MCL1810	WS 061020	S2.5,S3
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

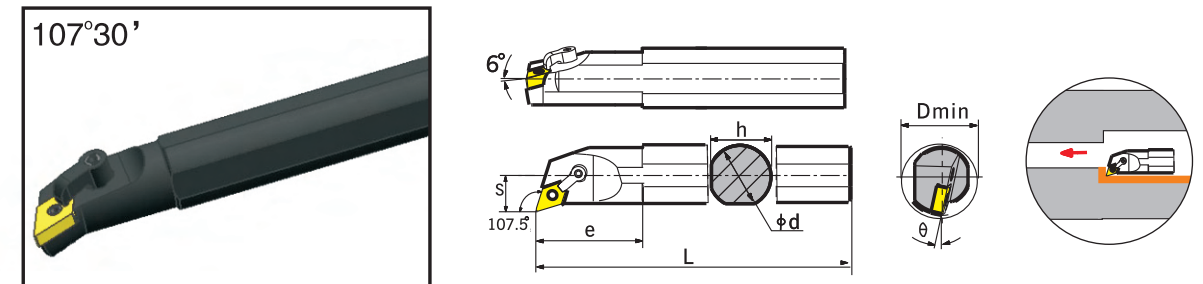


Type	Dimension(mm)								Applicable Inserts	Shim	Clamping stud	Clamp	Clamping screw	Wrench	
	Stock		Dmin	phi d	h	L	s	theta							e
	R	L													
S20Q-MCLNR/L12	●	○	26	20	19	180	13	15°	45	CN □ 1204 □ □	X	MSP 613	MCL1810	WS 061020	S2.5,S3
S25R-MCLNR/L12	●	○	32	25	24	200	16.5	12°	45						
S32S-MCLNR/L12		○	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

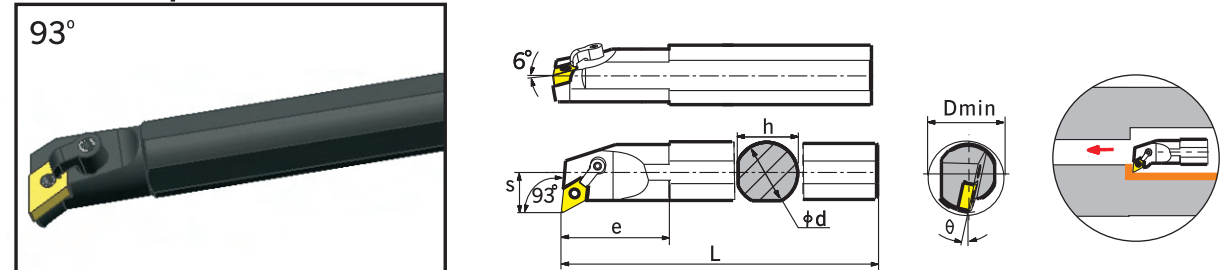
Turning tools

MDQNR/L



Type	Dimension(mm)								Applicable Inserts	Shim	Clamping stud	Clamp	Clamping screw	Wrench	
	Stock		Dmin	phi d	h	L	s	theta							e
	R	L													
S20Q-MDQNR/L15	●	○	26	20	18	180	13	15°	31	DN □ □ 1504 □ □	X	MSP613	MCL2114	WS061025	S2.5,S3
S25R-MDQNR/L15	●	○	32	25	23	200	17	12°	35						
S32S-MDQNR/L15	●	○	40	32	30	250	22	17°	40						
S40T-MDQNR/L15			50	40	38	300	27	15°	50						

MDUNR/L

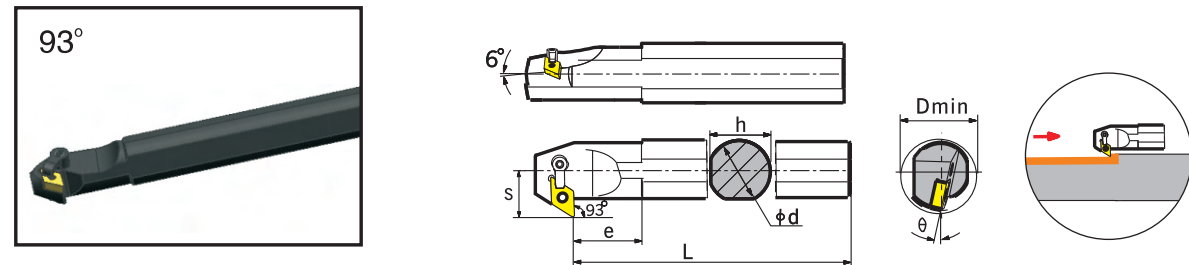


Type	Dimension(mm)								Applicable Inserts	Shim	Clamping stud	Clamp	Clamping screw	Wrench	
	Stock		Dmin	phi d	h	L	s	theta							e
	R	L													
S20Q-MDUNR/L15	●	○	26	20	18	180	13	15°	31	DN □ □ 1504 □ □	X	MSP613	MCL2114	WS061025	S2.5,S3
S25R-MDUNR/L15	●	○	32	25	24	200	17	12°	35						
S32S-MDUNR/L15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

● Stock ○ in Production order

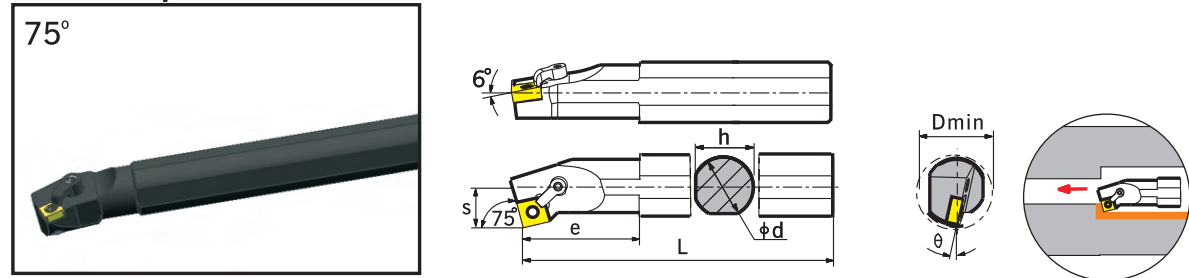
Turning tools

MDZNR/L



Type	Dimension(mm)									Applicable Inserts	Shim	Clamping stud	Clamp	Clamping screw	Wrench
	Stock		Dmin	phi d	h	L	s	theta	e						
	R	L													
S25R-MDZNR/L15	●	○	32	25	23	200	17	15°	35	DN□□ 1504□□	X	MSP617	MCL2114	WS061025	S3
S32S-MDZNR/L15	●	○	40	32	30	250	22	12°	40						
S40T-MDZNR/L15	●	○	50	40	38	300	27	17°	50						

MSKNR/L

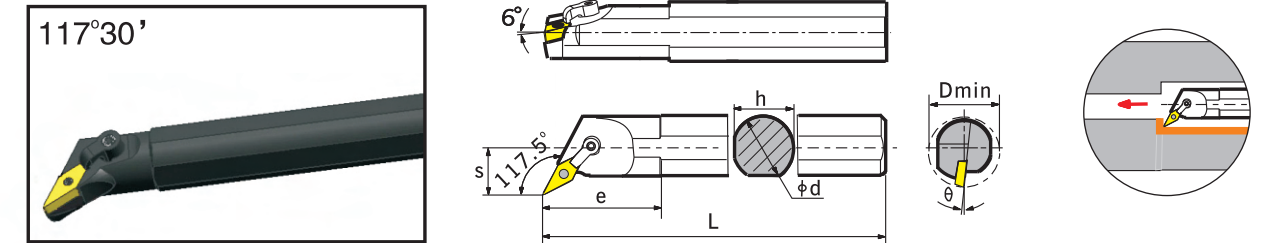


Type	Dimension(mm)									Applicable Inserts	Shim	Clamping stud	Clamp	Clamping screw	Wrench
	Stock		Dmin	phi d	h	L	s	theta	e						
	R	L													
S20Q-MSKNR/L12	●	○	26	20	18	180	13	15°	31	SN□□ 1204□□	X	MSP613	MCL1810	WS061020	S2.5,S3
S25R-MSKNR/L12	●	○	32	25	23	200	17	12°	35						
S32S-MSKNR/L12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

● Stock ○ in Production order

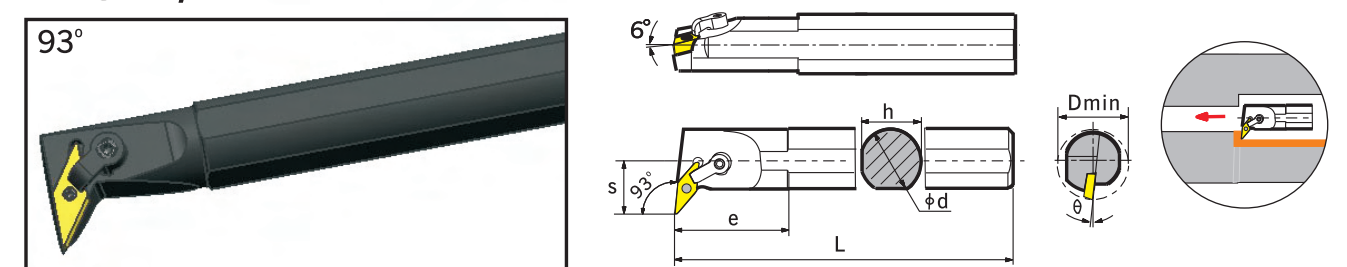
Turning tools

MVQNR/L



Type	Dimension(mm)									Applicable Inserts	Shim	Clamping stud	Clamp	Clamping screw	Wrench
	Stock		Dmin	phi d	h	L	s	theta	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						
S32S-MVQNR/L16	●	○	42	32	23	250	22	17°	40						
S40T-MVQNR/L16	○	○	50	40	30	300	27	15°	50						

MVUNR/L

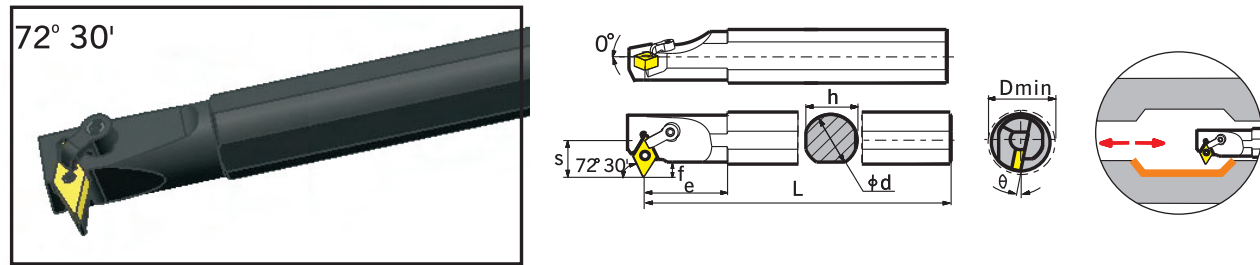


Type	Dimension(mm)									Applicable Inserts	Shim	Clamping stud	Clamp	Clamping screw	Wrench
	Stock		Dmin	phi d	h	L	s	theta	e						
	R	L													
S20Q-MVUNR/L16	●	○	32	20	18	180	13	15°	31	VN□□ 1604□□	X	MSP510	MCL1810	WS061020	S2,S3
S25R-MVUNR/L16	●	○	36	25	23	200	17	12°	35						
S32S-MVUNR/L16	○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

● Stock ○ in Production order

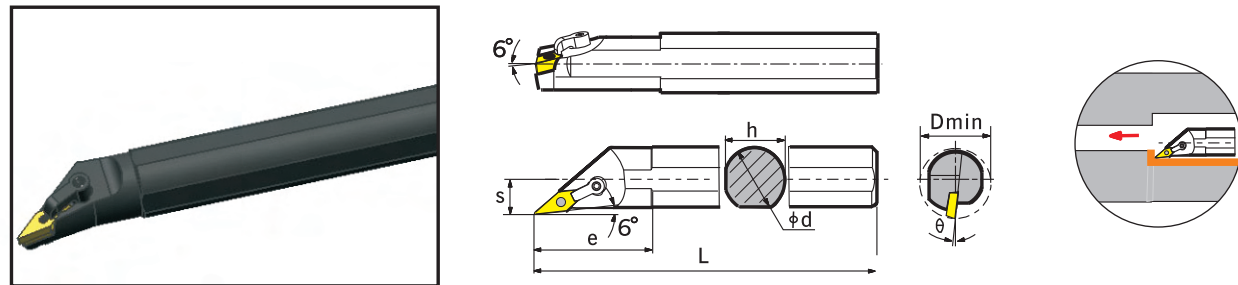
Turning tools

MVWNR/L



Type	Dimension(mm)								Applicable Inserts	Shim	Clamping stud	Clamp	Clamping screw	Wrench	
	Stock		Dmin	φd	h	L	s	e							
	R	L													
S20Q-MVWNR/L16	●	○	36	20	19	180	24	15°	31	VN□□ 1604□□	X	MSP510	MCL1810	WS061020	S2,S3
S25R-MVWNR/L16	●	○	40	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

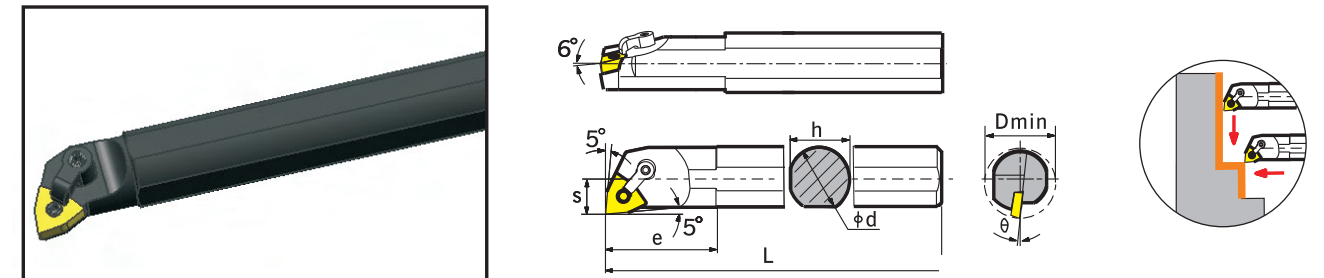


Type	Dimension(mm)								Applicable Inserts	Shim	Clamping stud	Clamp	Clamping screw	Wrench					
	Stock		Dmin	φd	h	L	s	e											
	R	L																	
S25R-MVXNR/L16	●	○	32	25	24	200	17	12°	35	VN□□ 1604□□	X	MSP510	MCL2414	WS061025	S2,S3				
S32S-MVXNR/L16	●	○	42	32	30	250	22	17°	40										
S40T-MVXNR/L16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

● Stock ○ in Production order

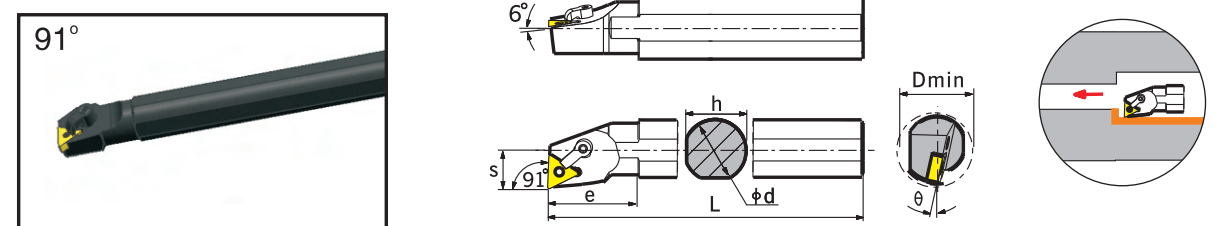
Turning tools

MWLNR/L



Type	Dimension(mm)								Applicable Inserts	Shim	Clamping stud	Clamp	Clamping screw	Wrench	
	Stock		Dmin	φd	h	L	s	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						
S40T-MWLNR/L08	○		50	40	37	300	27	15°	50						

MTFNR/L

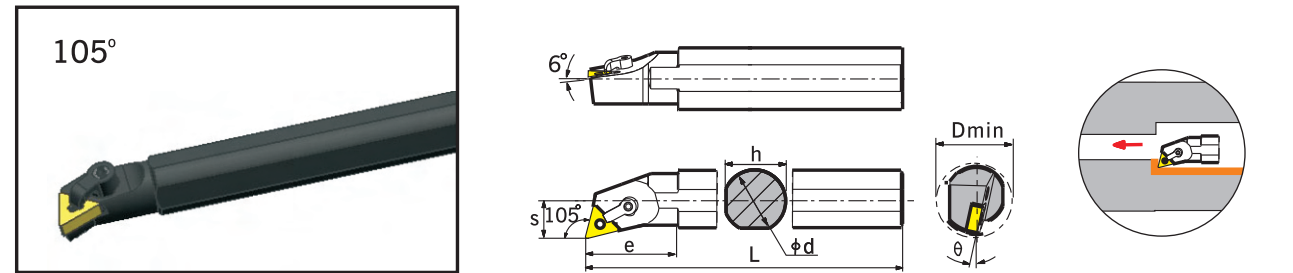


Type	Dimension(mm)								Applicable Inserts	Shim	Clamping stud	Clamp	Clamping screw	Wrench	
	Stock		Dmin	φd	h	L	s	e							
	R	L													
S16Q-MTFNR/L16	●	○	20	16	15	180	11	18°	28	TN□□ 1604□□	X	MSP510	MCL1810	WS061020	S2,S3
S20Q-MTFNR/L16	●	○	25	20	18	180	13	15°	31						
S25R-MTFNR/L16	●	○	32	25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

● Stock ○ in Production order

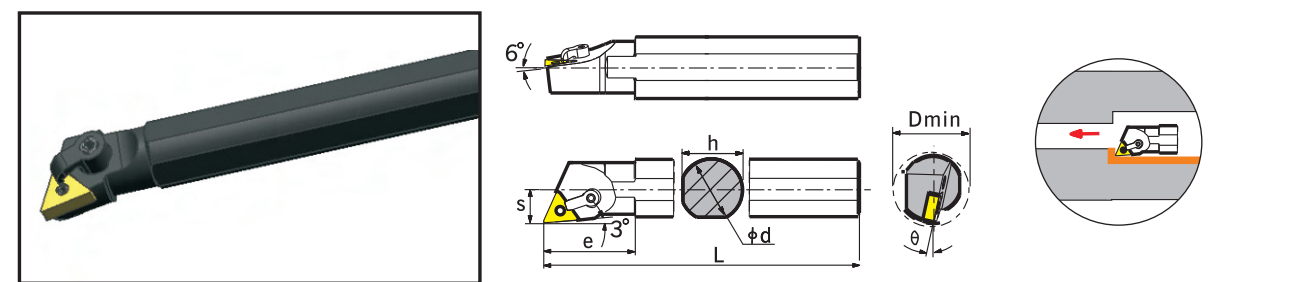
Turning tools

MTQNR/L



Type	Dimension(mm)								Applicable Inserts	Shim	Clamping stud	Clamp	Clamping screw	Wrench	
	Stock		Dmin	phi d	h	L	s	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				MT 1603	MSP513	
S32S-MTQNR/L16	○		40	32	30	250	22	17°	40						
S40T-MTQNR/L16			50	40	37	300	27	15°	50						

MTJNR/L

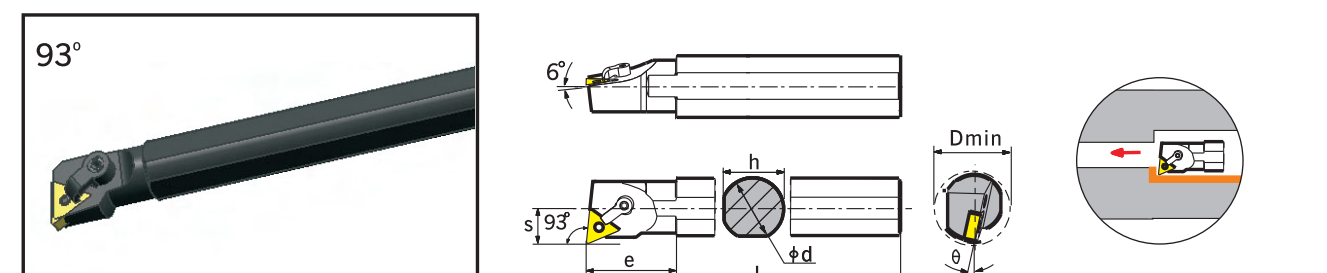


Type	Dimension(mm)								Applicable Inserts	Shim	Clamping stud	Clamp	Clamping screw	Wrench	
	Stock		Dmin	phi d	h	L	s	e							
	R	L													
S16Q-MTJNR/L16	●	○	20	16	15	180	11	18°	28	TN□□ 1604□□	X	MSP510	MCL1810	WS061020	S2,S3
S20Q-MTJNR/L16	●	○	25	20	18	180	13	15°	31				MT 1603	MSP513	
S25R-MTJNR/L16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

● Stock ○ in Production order

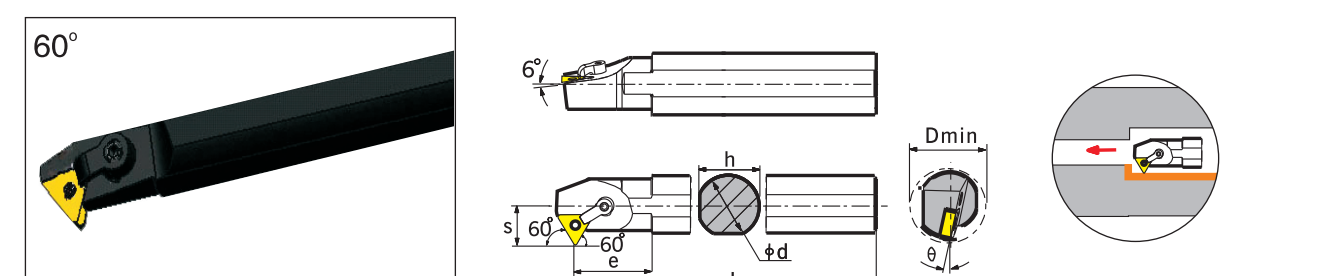
Turning tools

MTUNR/L



Type	Dimension(mm)								Applicable Inserts	Shim	Clamping stud	Clamp	Clamping screw	Wrench	
	Stock		Dmin	phi d	h	L	s	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				MT 1603	MSP513	
S32S-MTUNR/L16	○		40	32	30	250	22	17°	40						
S40T-MTUNR/L16			50	40	37	300	27	15°	50						

MTWNR/L



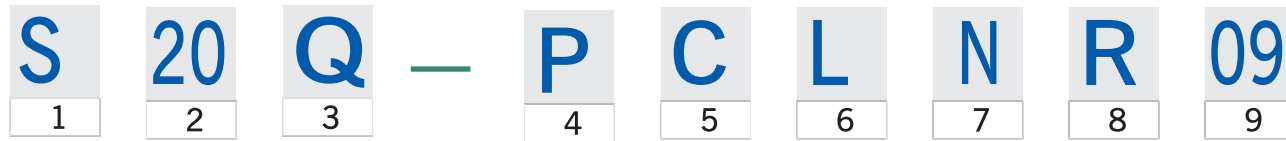
Type	Dimension(mm)								Applicable Inserts	Shim	Clamping stud	Clamp	Clamping screw	Wrench	
	Stock		Dmin	phi d	h	L	s	e							
	R	L													
S16Q-MTWNR/L16	●	○	22	16	15	180	11	18°	28	TN□□ 1604□□	X	MSP510	MCL1810	WS061020	S2,S3
S20Q-MTWNR/L16	●	○	27	20	18	180	13	15°	31				MT 1603	MSP513	
S25R-MTWNR/L16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

● Stock ○ in Production order



Turning tools

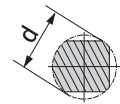
Example



1. Type of bars

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

2. Shank diameter



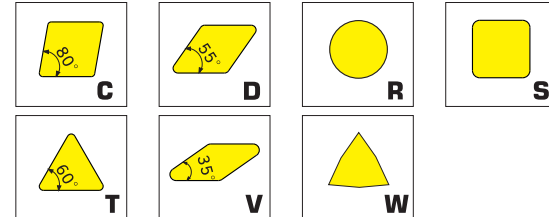
3. Tool length

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
<b>C</b>	<b>P</b>	<b>S</b>

5. Insert shape



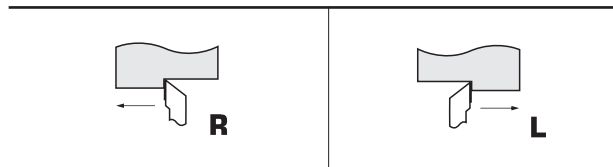
6. Bar style

K	F	U	L	P
75°	90°	93°	95°	107°30'

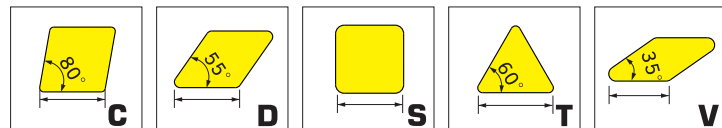
7. Insert clearance angle

B	C	P	N
5°	7°	11°	0°

8. Hand of tools

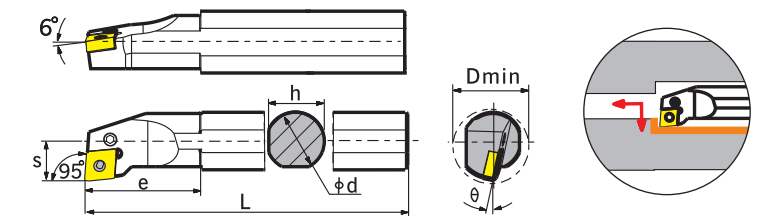


9. Cutting edge length



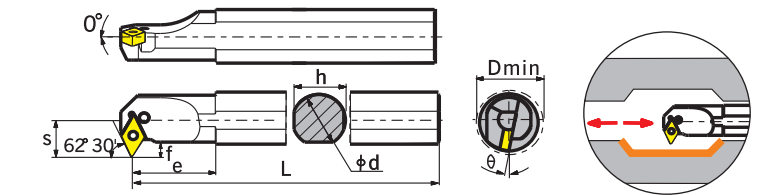
Turning tools

PCLNR/L



Type	Dimension(mm)								Applicable Inserts	Screw	Wrench	Lever	Shim	Shim pin	
	Stock R	Stock L	Dmin	φd	h	L	s	θ							e
S16Q-PCLNR/L09			20	16	15	180	11	-12°	28	CN00 090300	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	CN00 120400	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	CN00 190600	VHX0821	S3	LV4	PC19476	SP6
S50U-PCLNR/L12			63	50	47	350	35	-10°	56						
S50U-PCLNR/L19			63	50	47	350	35	-10°	63						

PDSNR/L

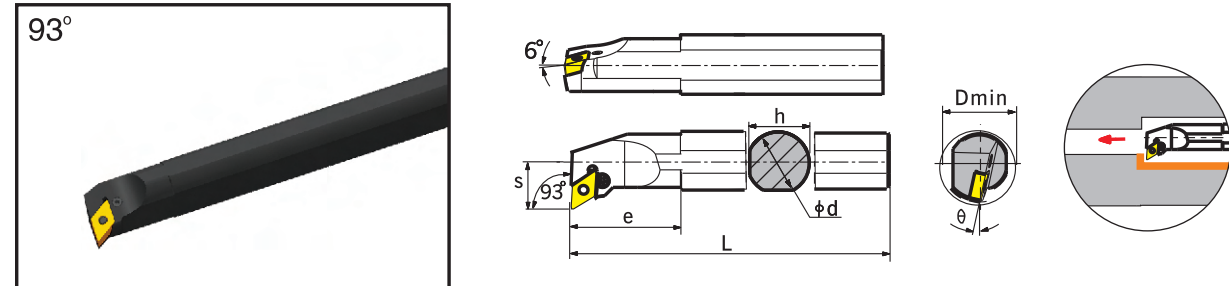


Type	Dimension(mm)									Applicable Inserts	Screw	Wrench	Lever	Shim	Shim pin	
	Stock R	Stock L	Dmin	φd	h	L	s	θ	e							f
S32S-PDSNR/L15			40	32	30	350	22	-11°	45	8.5	DN00 150600	VHX0821	S3	LV4B	PD15318	SP4
S40T-PDSNR/L15			50	40	37	400	27	-11°	43	9.4						
S32S-PDSNR/L15-3			40	32	30	350	22	-11°	45	8.5	DN00 150400	VHX0821	S3	LV4	PD15318	SP4
S40T-PDSNR/L15-3			50	40	37	400	27	-11°	43	9.4						

● Stock ○ in Production order

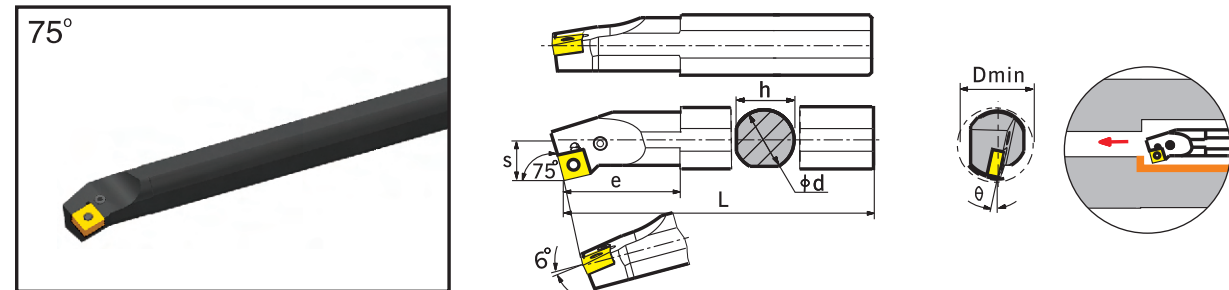
Turning tools

PDUNR/L



Type	Dimension(mm)								Applicable Inserts	Screw	Wrench	Lever	Shim	Shim pin	
	Stock		Dmin	φd	h	L	s	ε°							e
	R	L													
S20Q-PDUNR/L 11			25	20	18	250	13	-16°	30	DN <sub>□</sub> 1104 <sub>□</sub>	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 <sub>□</sub> 1506 <sub>□</sub>	VHX0821	S3	LV4B	PD15318	SP4
S32S-PDUNR/L 15			40	32	30	350	22	-16°	50						
S40T-PDUNR/L 15			50	40	37	400	27	-11°	50	DN <sub>□</sub> 1504 <sub>□</sub>	VHX0821	S3	LV4	PD15318	SP4
S32S-PDUNR/L 15-3			40	32	30	350	22	-16°	50						
S40T-PDUNR/L 15-3			50	40	37	400	27	-11°	50						

PSKNR/L

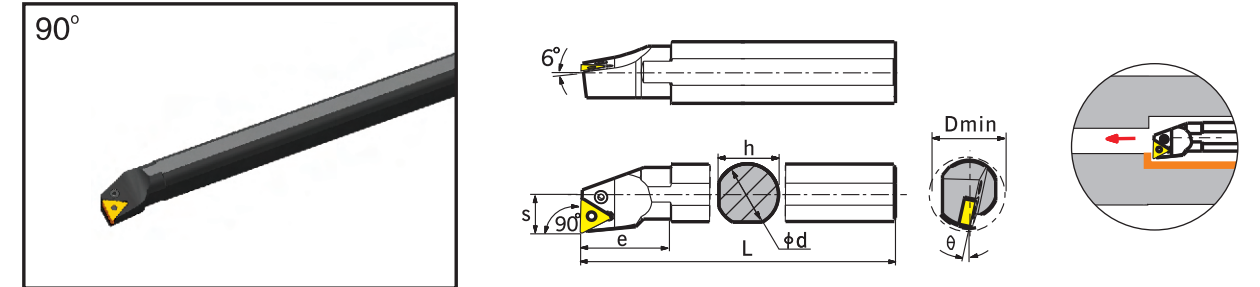


Type	Dimension(mm)								Applicable Inserts	Screw	Wrench	Lever	Shim	Shim pin	
	Stock		Dmin	φd	h	L	s	ε°							e
	R	L													
S25R-PSKNR/L 12			32	25	23	300	17	-12°	42	SN <sub>□</sub> 1204 <sub>□</sub>	VHX0613	S2.5	LV4A	-	-
S32S-PSKNR/L 12			44	32	30	350	22	-10°	45		VHX0821	S3	LV4	PS12318	SP4
S40T-PSKNR/L 12			54	40	37	400	27	-10°	50						

● Stock ○ in Production order

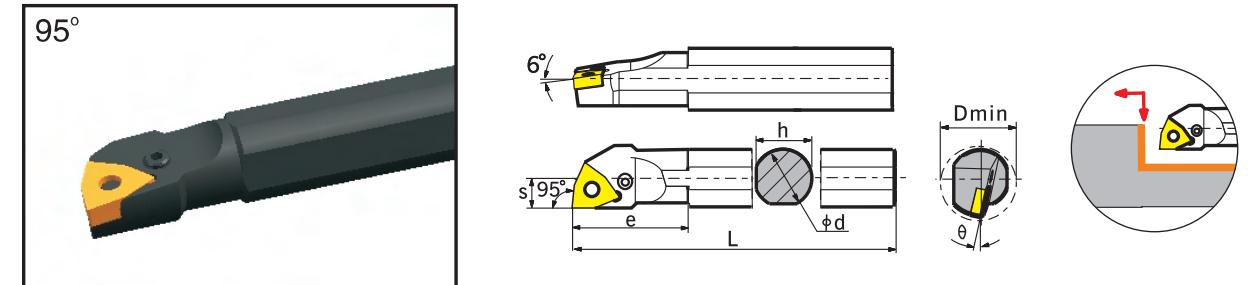
Turning tools

PTFNR/L



Type	Dimension(mm)								Applicable Inserts	Screw	Wrench	Lever	Shim	Shim pin	
	Stock		Dmin	φd	h	L	s	ε°							e
	R	L													
S16Q-PTFNR/L 11			20	16	15	200	11	-14°	28	TN <sub>□</sub> 1103 <sub>□</sub>	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	TN <sub>□</sub> 1604 <sub>□</sub>	VHX0512	S2	LV3B	-	-
S25R-PTFNR/L 16			32	25	23	300	17	-12°	42						
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						

PWLNRL

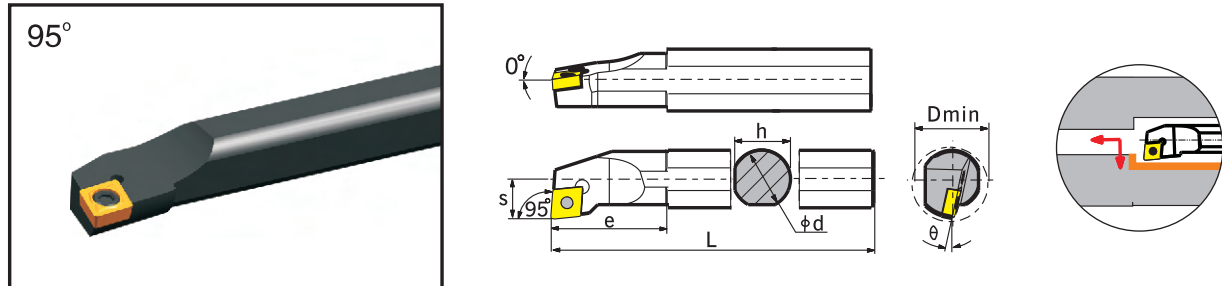


Type	Dimension(mm)								Applicable Inserts	Screw	Wrench	Lever	Shim	Shim pin	
	Stock		Dmin	φd	h	L	s	ε°							e
	R	L													
S16Q-PWLNRL/L06			20	16	15	180	11	-13°	28	WN <sub>□</sub> 0603 <sub>□</sub>	VHX0512	S2	LV3B	-	-
S20Q-PWLNRL/L06			25	20	18	180	13	-13°	31						
S25R-PWLNRL/L06			20	25	23	200	17	-13°	35	WN <sub>□</sub> 0804 <sub>□</sub>	VHX0613	S2.5	LV4A	-	-
S20Q-PWLNRL/L08			25	20	18	180	13	-13°	42						
S25R-PWLNRL/L08			32	25	23	200	17	-13°	50	VHX0821	S3	LV4	PW 08318	SP 4	
S32S-PWLNRL/L08			40	32	30	250	22	-13°	55						
S40T-PWLNRL/L08			50	40	42	300	30	-13°							

● Stock ○ in Production order

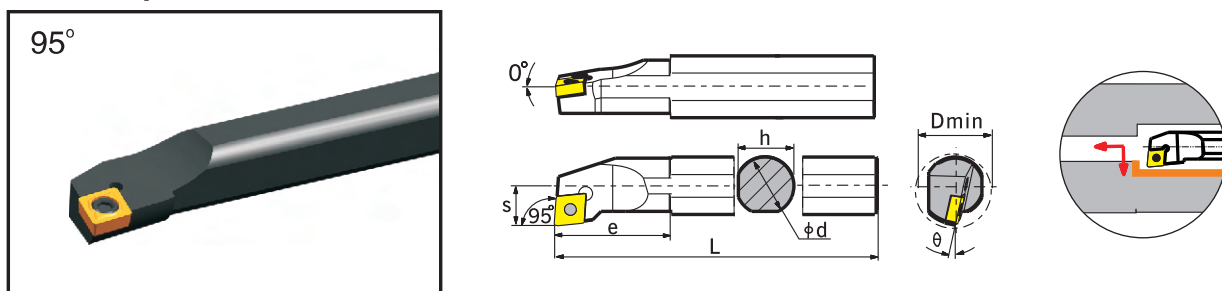
Turning tools

SCLCR/L



Type	Dimension(mm)								Applicable Inserts	Screw	Wrench	
	Stock		Dmin	φd	h	L	s	θ°				
	R	L										
S08K-SCLCR/L 06	●	●	10	8	7	125	5	-15°	14	CC <sub>3</sub> T 0602□□	L60M2.5X5	T08
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 <sub>3</sub> 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	CC <sub>3</sub> T 1204□□	L60M5X12	T20
S25R-SCLCR/L 12	○	○	32	25	23	250	17	-6°	45			
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

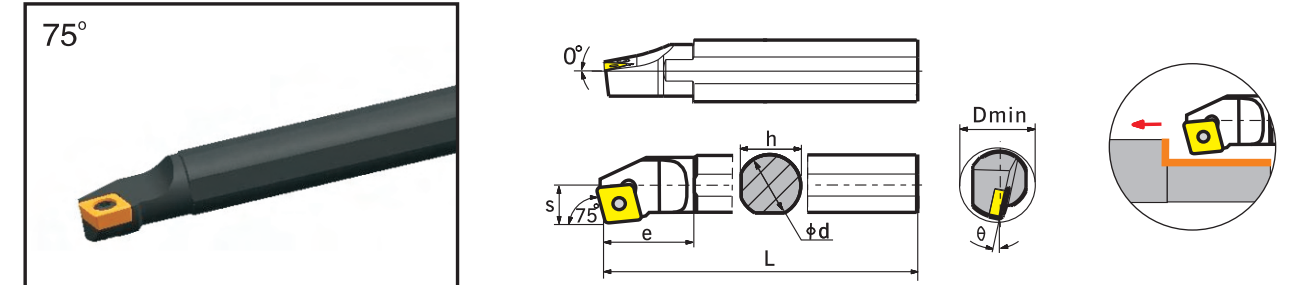


Type	Dimension(mm)								Applicable Inserts	Screw	Wrench	
	Stock		Dmin	φd	h	L	s	θ°				
	R	L										
S08K-SCLCR/L 06H09	●	○	9	8	7	125	5	-15°	14	CC <sub>3</sub> T 0602□□	L60M2.5X5	T08
S10K-SCLCR/L 06H11	●	○	11	10	9	150	6	-13°	14			
S12M-SCLCR/L 06H13	●	○	13	12	11	150	9	-10°	25			
S16Q-SCLCR/L 09H17	●	●	17	16	15	180	11	-12°	32.5	CC <sub>3</sub> T 09T3□□	L60M4X8	T15

● Stock ○ in Production order

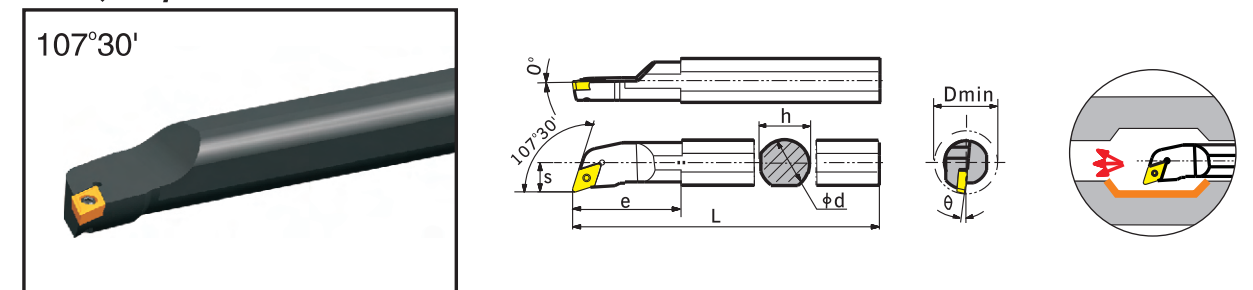
Turning tools

SCKCR/L



Type	Dimension(mm)								Applicable Inserts	Screw	Wrench	
	Stock		Dmin	φd	h	L	s	θ°				
	R	L										
S08K-SCKCR/L06	○	○	10	8	7	125	5.5	13°	25	CC <sub>3</sub> T 0602□□	L60M2.5X5	T08
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 <sub>3</sub> 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			

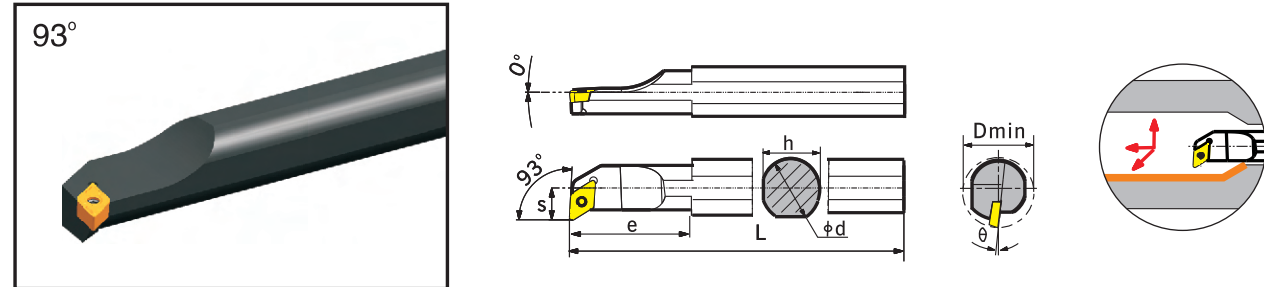
SDQCR/L



Type	Dimension(mm)								Applicable Inserts	Screw	Wrench	
	Stock		Dmin	φd	h	L	s	θ°				
	R	L										
S08K-SDQCR/L07	●	○	10	8	7	125	5	-8°	14	DC <sub>3</sub> T 0702□□	L60M2.5X5	T08
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 <sub>3</sub> 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			

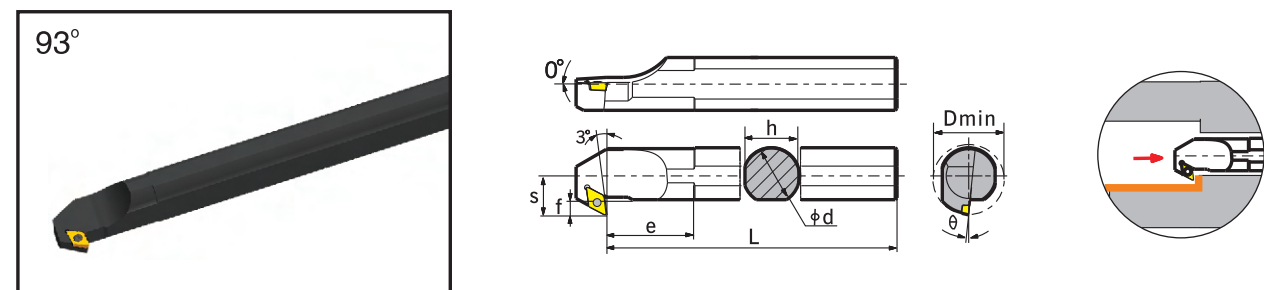
Turning tools

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	DC□ T0702□□	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	DC□ T11T3□□	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

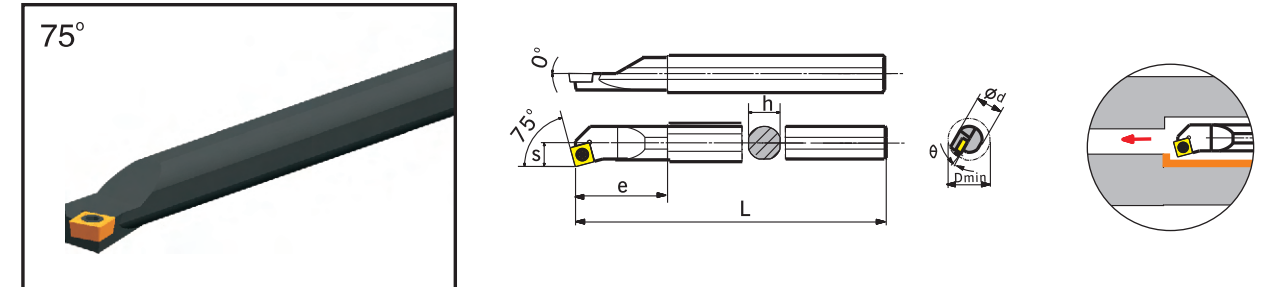


Type	Dimension(mm)										Applicable Inserts	Screw	Wrench
	Stock		Dmin	φd	h	L	s	θ	e	f			
	R	L											
S16Q-SDZCR/L11	●	●	22	16	15	180	11	-6°	22	6.9	DC□ T11T3□□	L60M4X8	T15
S20Q-SDZCR/L11	●	●	27	20	18	180	15	-6°	25	6.9			
S25R-SDZCR/L 11	●	○	33	25	23	200	17	-6°	30	6.9			
S32S-SDZCR/L 11	○	○	40	32	30	250	22	-6°	39	8.4			
S40T-SDZCR/L 11			50	40	37	300	27	-4°	47	9.4			

● Stock ○ in Production order

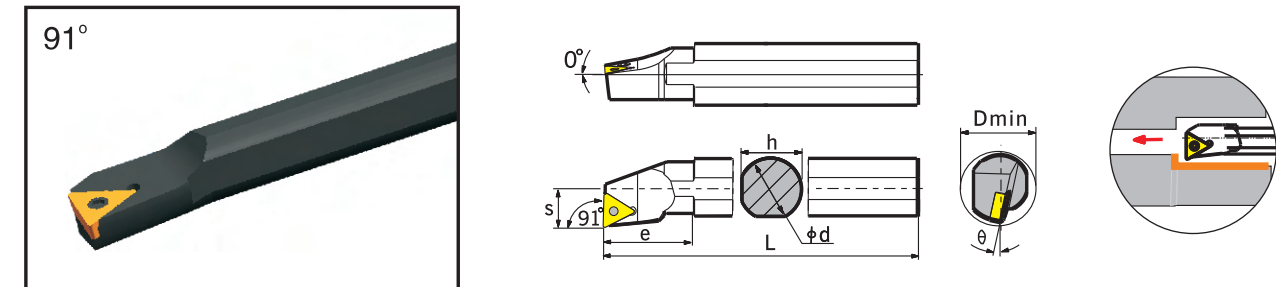
Turning tools

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



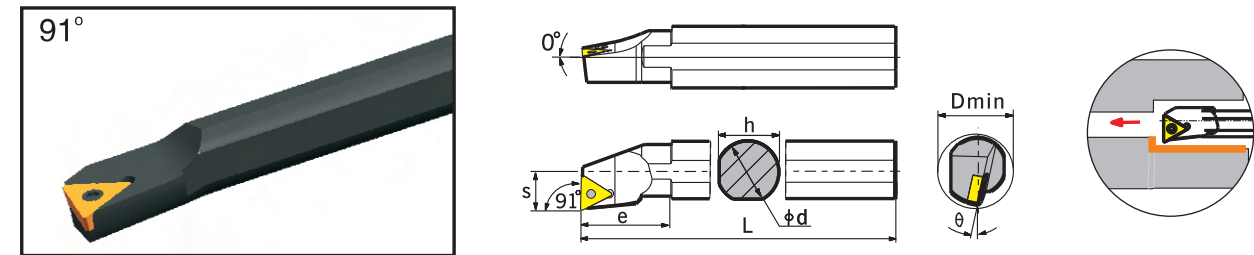
Type	Dimension(mm)									Applicable Inserts	Screw	Wrench
	Stock		Dmin	φd	h	L	s	θ	e			
	R	L										
S08K-STFCR/L09	○	○	10	08	7	125	5	-10°	14	TC□ T 09T□□	L60M2.5X5	T08
S10K-STFCR/L09	●	●	12	10	9	125	6	-13°	25			
S12M-STFCR/L 09	○	○	16	12	11	150	9	-10°	30			
S12M-STFCR/L11	●	●	16	12	11	150	11	-6°	30	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



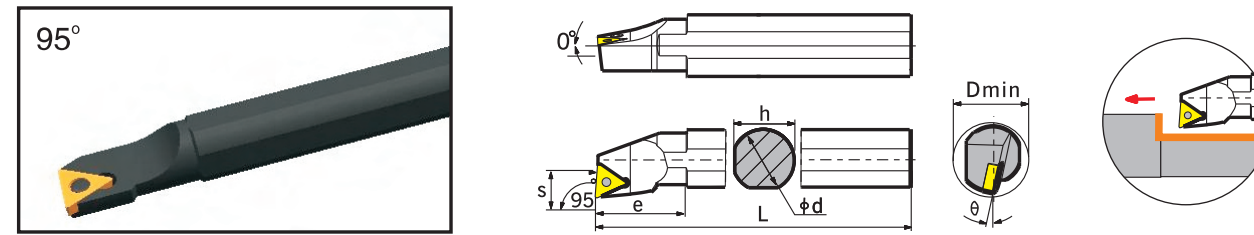
Turning tools

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	TP□ T 0902□□ TP□ T 1102□□ TP□ T 1103□□	L60M2.5X5	T08
S10K-STFPR/L11H11	○	○	12	10	11	125	6	-13°	25			
S12M-STFPR/L 11H13	○	○	16	12	13	150	9	-10°	30			
S16Q-STFPR/L 11H17	○	○	20	16	17	180	11	-6°	35			

STUCR/L

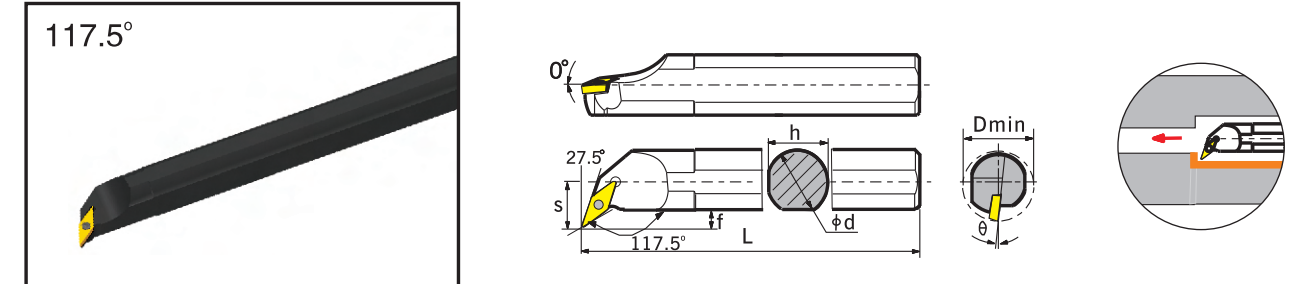


Type	Dimension(mm)									Applicable Inserts	Screw	Wrench
	Stock		Dmin	φd	h	L	s	θ°	e			
	R	L										
S08K-STUCR/L09	○	○	11	08	7	125	5.5	15°	23	TC□ T 09T□□	L60M2.5X5	T08
S08K-STUCR/L09-A16	○	○	11	16	7	125	5.5	15°	24			
S10K-STUCR/L09	○	○	13	10	9	125	7	13°	24			
S10K-STUCR/L09-A16	○	○	13	16	9	125	7	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			

● Stock ○ in Production order

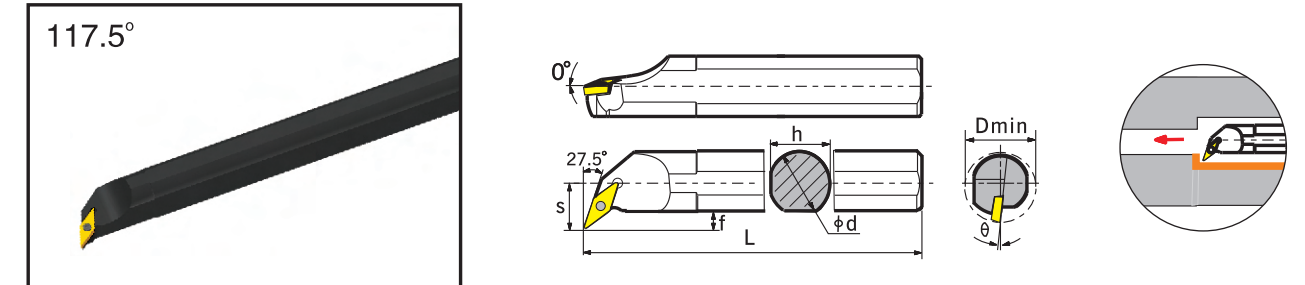
Turning tools

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	VC□ T 1604□□	L60M4X8	T15
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

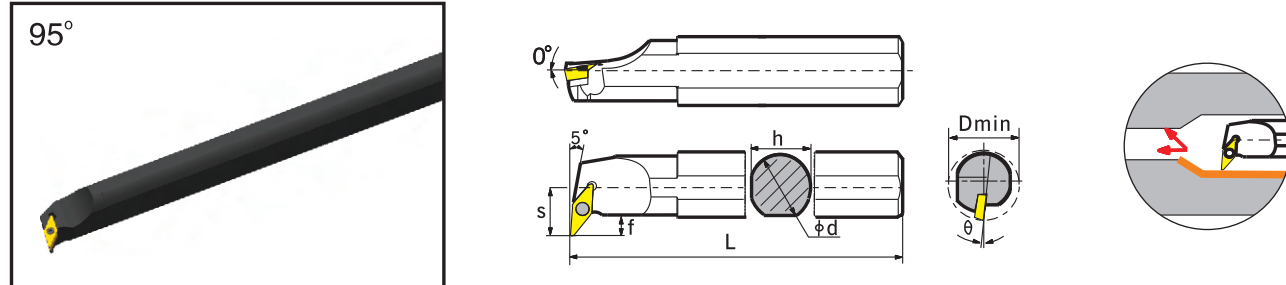


Type	Dimension(mm)										Applicable Inserts	Screw	Wrench
	Stock		Dmin	φd	h	L	s	θ°	e	f			
	R	L											
S20Q-SVQBR/L16	●	●	27	20	18	180	14	-8°	35	6.9	VC□ T 1604□□	L60M4X8	T15
S25R-SVQBR/L16	○	○	32	25	23	200	17	-8°	49	6.9			
S32S-SVQBR/L 16	○	○	40	32	30	250	23	-8°	56	8.4			
S40T-SVQBR/L 16	○	○	50	40	37	300	27	-8°	64	9.4			

● Stock ○ in Production order

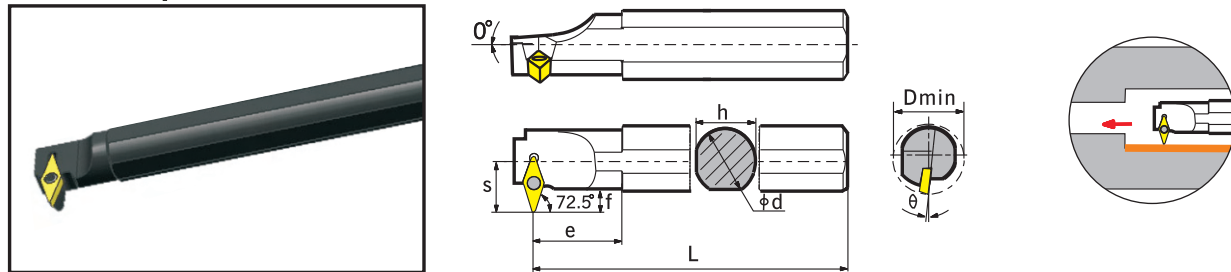
Turning tools

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	VC T 1103□	L60M2.5X5	T08
S20Q-SVUCR/L16	○	○	31	20	18	180	15	-8°	38	6.9			
S25R-SVUCR/L16	○		35	25	23	180	17	-8°	45	8.4	VC T 1604□	L60M4X8	T15
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

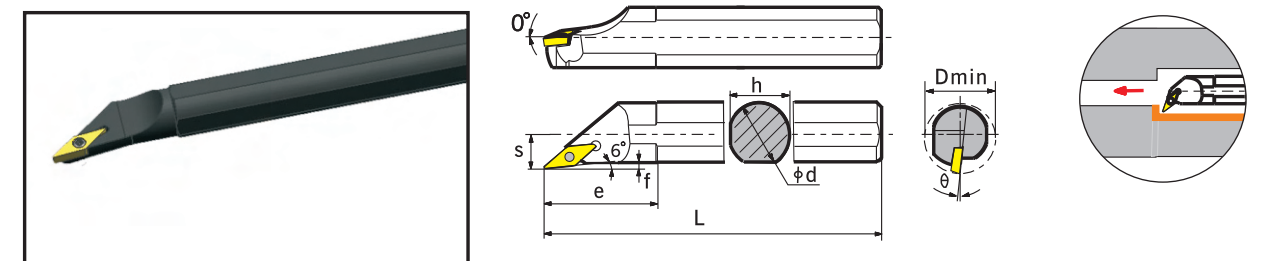


Type	Dimension(mm)										Applicable Inserts	Screw	Wrench
	Stock		Dmin	φd	h	L	s	θ	e	f			
R	L												
S16Q-SVWCR/L11	●	●	30	25	15	160	11	-8°	32.5	6.9	VC T 1103□	L60M2.5X5	T08
S20Q-SVWCR/L16	○	○	25	28	18	180	15	-8°	38	6.9			
S25R-SVWCR/L16	○		32	34	23	180	17	-8°	45	8.4	VC T 1604□	L60M4X8	T15
S32S-SVWCR/L 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

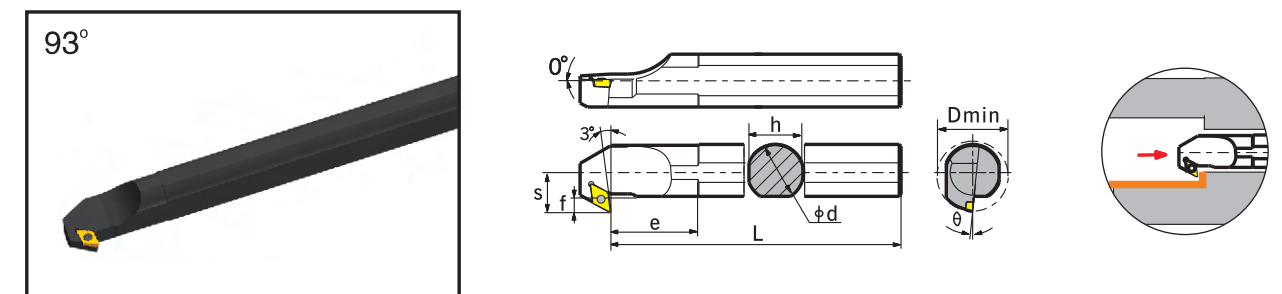
Turning tools

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	VC T 1604□	L60M4X8	T15
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	VC T 1103□	L60M2.5X5	T08
S20Q-SVZCR/L16	○	○	28	20	18	180	15	-8°	38	6.9			
S25S-SVZCR/L16	○		34	25	23	180	17	-8°	45	8.4	VC T 1604□	L60M4X8	T15
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			

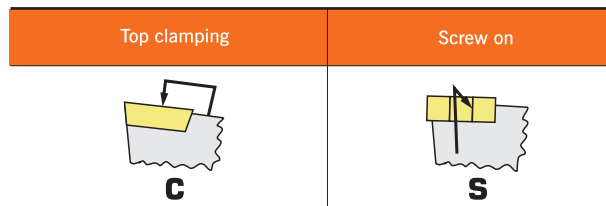
● Stock ○ in Production order

Turning tools

Example



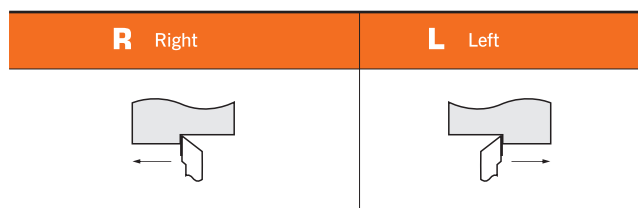
1. Clamping system



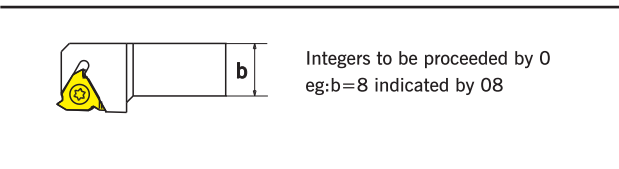
2. Type of screw

<b>N</b>	Internal
<b>W</b>	External

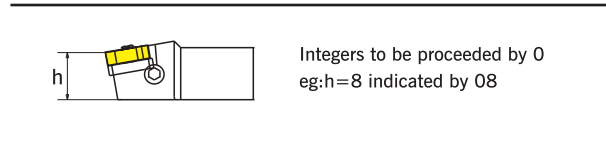
3. Hand of tools



4. Shank width



5. Height



7. Insert Dimension

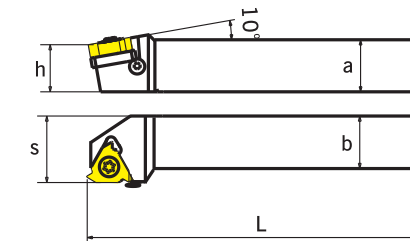
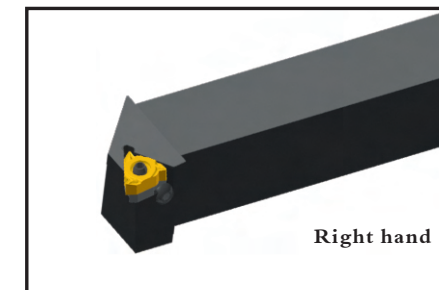
Code	Cutting edge length	Inscribed circle dia.
11	11	6.35
16	16	9.525
22	22	12.70

6. Tool length

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

Turning tools

External threading tools

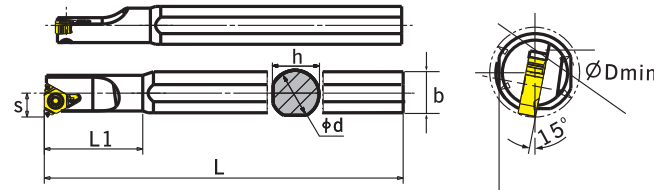
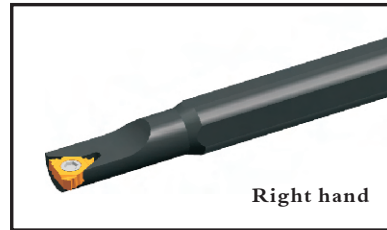


Type	Dimension(mm)							Applicable Inserts	Screw	Shim	Shim Screw	Wrench	
	Stock		a	h	b	L	s						
	R	L											
SWR/L	1010H11H		10	10	10	100	16	R/LT11.01W-□□GM	L60 M2.5×6			T08	
	1212H11H		12	12	12	100	16						
	1616H16H	●	●	16	16	16	100	20	R/LT16.01W-□□GM	L60 M3.5×12	TT16-□□	SS04008	T15 S2.5
	2020K16H	●	●	20	20	20	125	25					
	2525M16H	●	●	25	25	25	150	32					
	3225P16H	●	●	32	32	25	170	32					
3232P16H	●	●	32	32	32	170	40	R/LT22.01W-□□GM	L60 M4×17	TT22-□□	SS04008	T20 S2.5	
2525M22H	●	●	25	25	25	150	32						
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						
SWR/L	1616H16	●	●	16	16	16	100	20	16ER/L	L60 M3.5×12	TT16-□□	SS04008	T15 S2.5
	2020K16	●	●	20	20	20	125	25					
	2525M16	●	●	25	25	25	150	32					
	3225P16	●	●	32	32	25	170	32					
SWR/L	3232P16	●	●	32	32	32	170	40	22ER/L	L60 M4×17	TT22-□□	SS04008	T20 S2.5
	2525M22	●	●	25	25	25	150	32					
	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	LT16.01N-□□GM		L60 M3.5×8	T15
SNL0016M16H	●	16	150	15	20	12	15.5	45				
SNL0020Q16H	●	20	180	18	25	14	19.5	40	RT11.01N-□□GM		L60 M2.5×5	T08
SNL0025R16H	●	25	200	20	30	16	24	45				
SNR0010K11H	○	10	125	12.5	15	6	9.5	32	RT16.01N-□□GM	TT16-□□	L60 M3.5×8	T15
SNR0012K11H	●	12	125	12.5	16	6	11.5	32				
SNR0013M16H	○	16	150	15	16	10	15.5	32				
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	16IR-□□		L60 M3.5×8	T15
SNL0016M16	●	16	150	15	20	12	15.5	45				
SNL0020Q16	●	20	180	18	25	14	19.5	40	16IR-□□		L60 M2.5×5	T08
SNL0025R16	●	25	200	20	30	16	24	45				
SNR0010K11	○	10	125		15	6	9.5	32	16IR-□□		L60 M3.5×8	T15
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	16IR-□□	TT16-□□	L60 M3.5×8	T15
SNR0025R16	●	25	200		30	14	24	45				
SNR0032S16		32	250		36	20	30	55	22IR-□□	TT22-□□	L60 M4×12	T20
SNR0032S22		32	250		38	22	30	55				
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

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

Internal cutting

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

- Clamping system
- Diameter of toolholder
- Tool length
- code of grooving tools
- code of locating slot
- matching insert's edges
- Hand of tools R :right L :left
- maximum depth of cutting
- Minimum bore diameter of machining

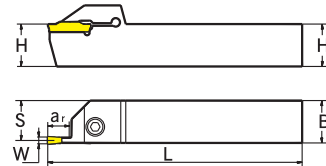
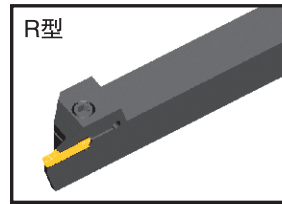
Height of blades

P	H	S	32	32
1	2	3	4	5

- parting toolholder
- base of toolholder
- matching insert's edges
- specification of blade
- height of blade



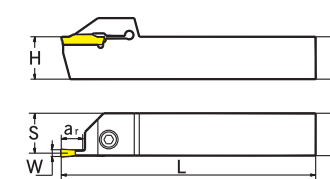
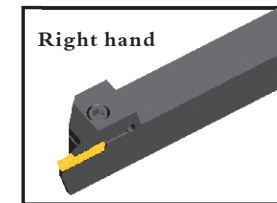
External Parting, Grooving and Turning Tools



Type	Dimension(mm)						Inserts	Screw	Wrench
	H×B	L	S	W	a <sub>r,max</sub>				
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*****	M6×20	S5
QEHS	2525N 30	25x25	150	12.5	5	30	Z*HS*****		
QEHD	3232R/L13	32x32	170	30	5	13	Z*HD*****		
QEHS	3232N 30	32x32	170	16	5	30	Z*HS*****		
QEKD	2525R/L13	25x25	150	22.6	6	13	Z*KD*****		
QEKD	2525R/L 22	25x25	150	22.6	6	22	Z*KD*****		
QEKD	3232R/L13	32x32	170	29.6	6	13	Z*KD*****	M6×20	S5
QEKD	3232R/L 22	32x32	170	29.6	6	22	Z*KD*****		
QEKD	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

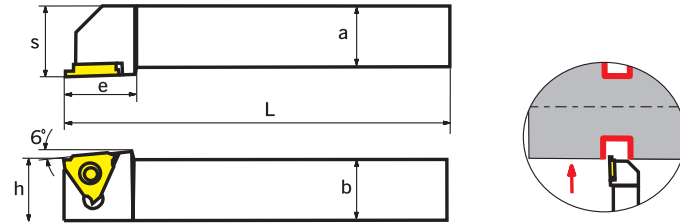
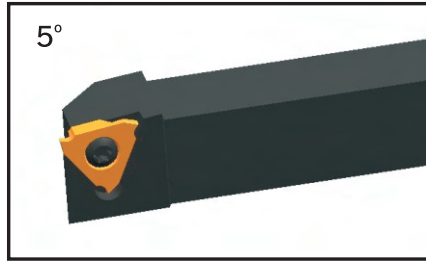


Type	Dimension(mm)					Inserts	Screw	Wrench	
	H	L	S	W	a <sub>r,max</sub>				
MGEHR/L	1616-2	16	100	15	2	14.5	MGMN200-M	M5×20	S4
	2020-2	20	125	19	2	14.5	MGMN200-M	M6×20	S5
	2525-2	25	150	24	2	14.5	MGMN200-M	M5×20	S4
	1616-2.5	16	100	15	2.5	16.5	MGMN250-M	M6×20	S5
	2020-2.5	20	125	19	2.5	16.5	MGMN250-M	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		
	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	M6×20	S5
	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

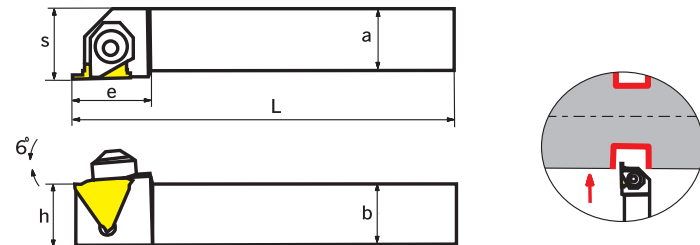
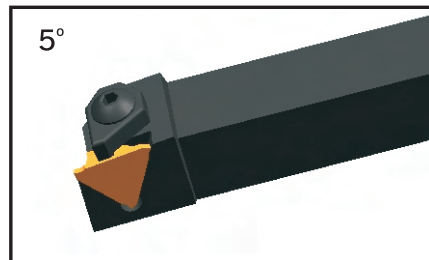
SGTR/L



Type	Dimension(mm)								Applicable Inserts	Clamping screw	Wrench	
	Stock		h	b	L <sub>1</sub>	L <sub>2</sub>	H <sub>1</sub>	f				
	R	L										
SGTR/L	1212H16C	●	●	12	12	100	20	12	16	GLR/L3□□□□	M3.5 × 8	T15
	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			
										GLR/L4□□□□	M4 × 10	T15

Note: match toshiba's inserts

KGBR/L

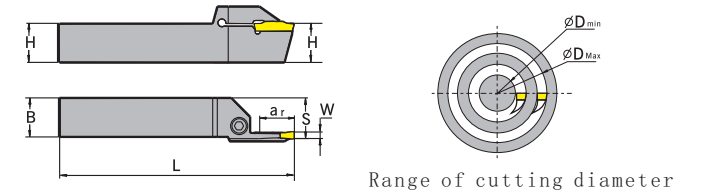
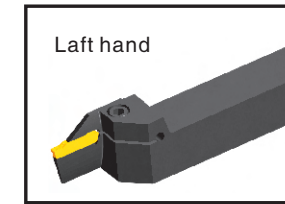


Type	Dimension(mm)								Applicable Inserts	Clamping screw	Clamp	Wrench	
	Stock		a	b	L	h	s	e					
	R	L											
KGBR/L	2020K22-15	●	●	20	20	125	20	25	24	GB32R/050-300	DM 0625	CGBR/L	S4
	2525M22-15	●	●	25	25	150	25	30	25				
	2020K22-25	●	●	20	20	125	20	25	25.5				
	2525M22-25	●	●	25	25	250	25	30	25.5				
	2020K22-35	●	●	20	20	125	20	25	25.5				
	2525M22-35			25	25	150	25	30	25.5				
										GB32R/250-330	DM 0625	CGBR/L	S4
										GB32R/350-480	DM 0625	CGBR/L	S4

Note: match kyocera's insert

Turning tools

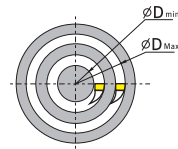
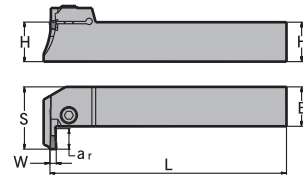
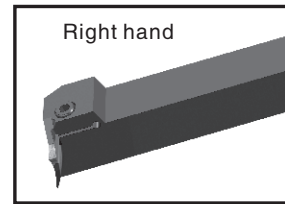
Surface Grooving and Turning Tools



Type	Dimension(mm)						Applicable inserts	Screw	Wrench
	HxB	L	S	W	a <sub>r</sub>	∅D (Min-max)			
QFFD2525R/L10-48H	25x25	150	26	3	10	48-66	ZTFD0303-MG	M6×20	S5
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		

Turning tools

Surface Grooving and Turning Tools

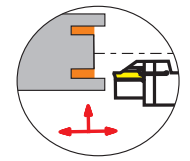
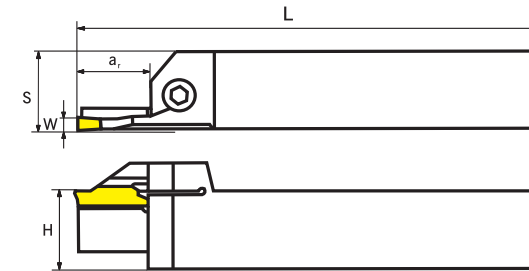
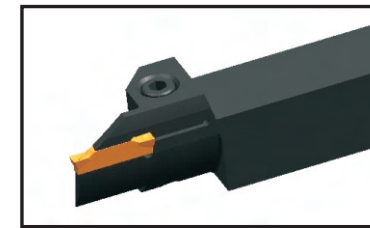


Range of cutting diameter

Type	Dimension(mm)						Applicable inserts	Screw	Wrench
	HxB	L	S	W	a <sub>r</sub>	∅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		

Turning tools

QF□D-RR

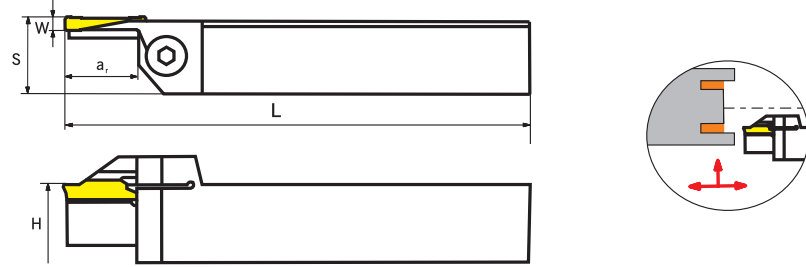
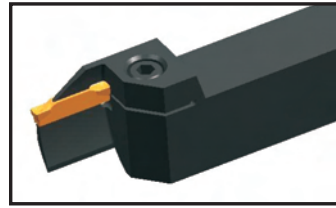


Type	Dimension(mm)						Applicable inserts	Screw	Wrench
	HxB	L	S	W	a <sub>r</sub>	∅D (Min-max)			
QFFD2525RR10-48H	25x25	150	26	3	10	48-66	ZTFD0303-MG	M6×20	S5
QFFD2525RR17-48H	25x25	150	26	3	17	48-66	ZTFD0303-MG		
QFFD2525RR10-60H	25x25	150	26	3	10	60-80	ZTFD0303-MG		
QFFD2525RR17-60H	25x25	150	26	3	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		



Turning tools

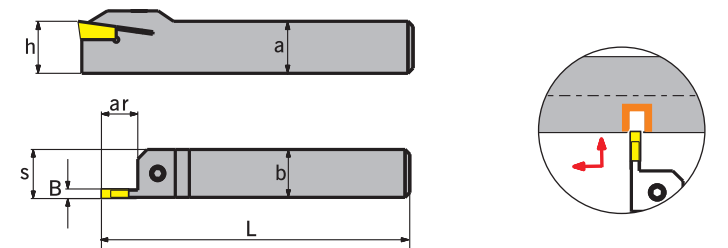
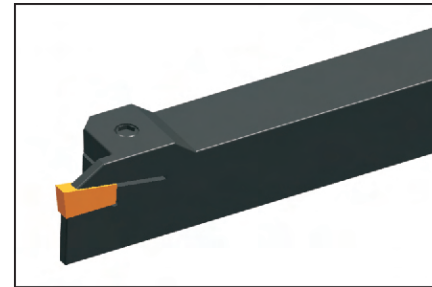
QF□D-LL



Type	Dimension(mm)						Applicable inserts	Screw	Wrench
	HxB	L	S	W	a <sub>r</sub>	∅D (Min-max)			
QFFD2525LL10-48H	25x25	150	26	3	10	48-66	ZTFD0303-MG	M6×20	S5
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		
QFGD2525LL22-52H	25x25	150	26	4	22	52-72	ZTGD0404-MG		
QFGD2525LL13-64H	25x25	150	26	4	13	64-100	ZTGD0404-MG		
QFGD2525LL22-64H	25x25	150	26	4	22	64-100	ZTGD0404-MG		
QFGD2525LL13-90H	25x25	150	26	4	13	90-140	ZTGD0404-MG		
QFGD2525LL22-90H	25x25	150	26	4	22	90-140	ZTGD0404-MG		
QFGD2525LL13-130H	25x25	150	26	4	13	130-230	ZTGD0404-MG		
QFGD2525LL22-130H	25x25	150	26	4	22	130-230	ZTGD0404-MG		
QFHD2525LL13-58H	25x25	150	26	5	13	58-96	ZTHD0504-MG		
QFHD2525LL22-58H	25x25	150	26	5	22	58-96	ZTHD0504-MG		
QFHD2525LL13-86H	25x25	150	26	5	13	86-140	ZTHD0504-MG		
QFHD2525LL22-86H	25x25	150	26	5	22	86-140	ZTHD0504-MG		
QFHD2525LL13-130H	25x25	150	26	5	13	130-200	ZTHD0504-MG		
QFHD2525LL22-130H	25x25	150	26	5	22	130-200	ZTHD0504-MG		
QFHD2525LL13-185H	25x25	150	26	5	13	185-400	ZTHD0504-MG		
QFHD2525LL22-185H	25x25	150	26	5	22	185-400	ZTHD0504-MG		
QFKD2525LL30-185H	25x25	150	26	5	30	185-400	ZTHS0504-MG		
QFKD2525LL13-60H	25x25	150	26	6	13	60-100	ZTKD0608-MG		
QFKD2525LL22-60H	25x25	150	26	6	22	60-100	ZTKD0608-MG		
QFKD2525LL13-88H	25x25	150	26	6	13	88-180	ZTKD0608-MG		
QFKD2525LL22-88H	25x25	150	26	6	22	88-180	ZTKD0608-MG		
QFKD2525LL13-160H	25x25	150	26	6	13	160-400	ZTKD0608-MG		
QFKD2525LL22-160H	25x25	150	26	6	22	160-400	ZTKD0608-MG		
QFKD2525LL30-160H	25x25	150	26	6	30	160-400	ZTKS0608-MG		

Turning tools

ZQ



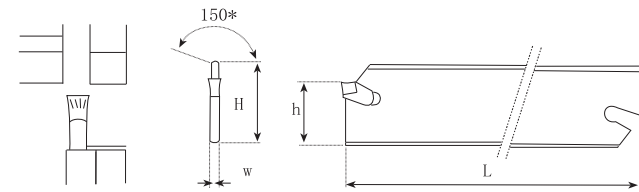
Type	Dimension(mm)							Applicable inserts	Screw	Wrench	
	Stock	h	b	L	S	B	a <sub>r,max</sub>				
ZQ	1616R03		16	16	100	16.4	3	16	ZQMX3N11-IE	M5x17	S4
	1616R04		16	16	100	16.4	4	18	ZQMX4N11-IE		
	2020R03	●	20	20	125	20.4	3	20	ZQMX3N11-IE		
	2020R04	●	20	20	125	20.4	4	20	ZQMX4N11-IE		
	2525R03	●	25	25	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		
	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		
	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		
	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

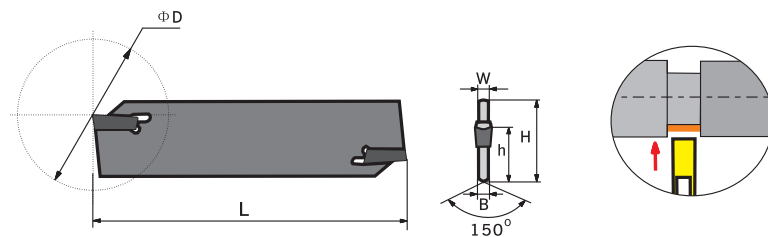
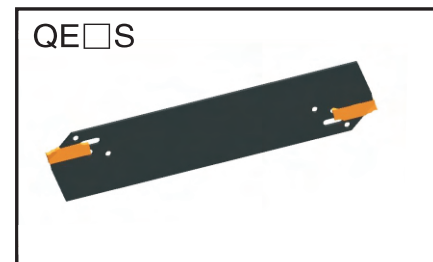


Turning tools

External Parting Blade



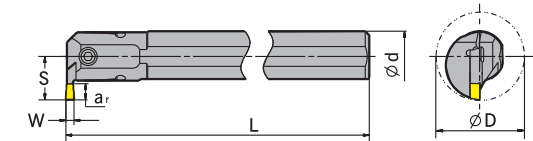
Reference Notes	Toolholder shape	Applicable conditions					Applicable insert	Spare part	
		Parting						Wrench	
Type	Stock	H	W	L	h		PE5		
SPB	326-S	●	26	2.4	110	21	ZQMX3N11-1E		
	426-S	●	26	3.2	110	21	ZQMX4N11-1E		
	526-S	●	26	4.0	110	21	ZQMX5N11-1E		
	626-S	●	26	5.2	110	21	ZQMX6N11-1E		
	332-S	●	32	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 <sub>max</sub>	
	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

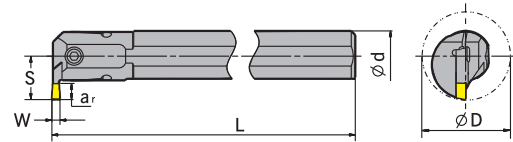
Turning tools

Internal Grooving and Turning Tools



Type	Dimension(mm)						Applicable inserts	Screw	Wrench
	ød	L	S	W	最大切深 a <sub>r,max</sub>	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	ZRED*****	M5×17	S4
C32S-QEDR/L 09-42	32	250	25.3	2.5	9	42	ZTFD*****	M4×14	S3
C20Q-QFDR/L 05-27	20	180	15.2	3	5	27	ZTFD*****	M5×17	S4
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	ZTGD*****	M5×17	S4
C25R-QGDR/L 08-35	25	200	21.5	4	8	35	ZRGD*****	M6×20	S5
C32S-QGDR/L 11-44	32	250	27.5	4	11	44	ZTHD*****	M6×20	S5
C40T-QGDR/L 13-54	40	300	33.5	4	13	54	ZRHD*****	M6×20	S5
C25R-QHDR/L 08-35	25	200	21.5	5	8	35	ZTKD*****	M6×20	S5
C32S-QHDR/L 11-44	32	250	27.5	5	11	44	ZRKD*****		
C40T-QHDR/L 13-54	40	300	33.5	5	13	54			

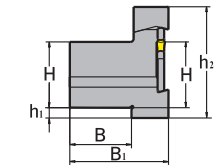
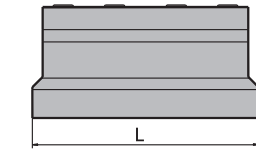
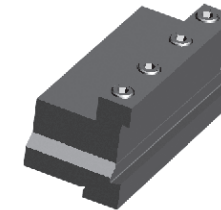
Internal Grooving and Turning Tools



Type	Dimension(mm)						Inserts	Screw	Wrench
	ød	L	S	W	a <sub>r,max</sub>				
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)						cIamp	Screw	Wrench
	L	H	h1	h2	B	B1			
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		