



EJ Carbide Co.,Ltd

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A190



EJ Carbide Co., Ltd

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General Turning Tools

TURNING

Name	Feature	62°30'	75°	85°	90°	91°	93°	93°	95°	107°30'
P-type internal turning tools	- The minimum machining diameter is 20mm. - Applicable inserts are economic negative inserts. - Hole clamping	 PDSN A196	 PSKN A198		 PTFN A199			 PDUN A197	 PCLN A194	
									 PWLN A200	
S-type internal turning tools	- The minimum machining diameter is 10mm - Applicable inserts are 5°, 7° and 11° positive inserts. - Screw clamping		 SSKC A205	 SDZC A204	 SCFC A215	 STFC A206	 STUP A214	 SDUC A203		 SDQC A202
								 SDUP A213	 SCLC A201	 SDQP A212
								 SVUC A208	 SVQB A216	 SVQB A209
								 SVUB A210	 SCLP A211	 SVQC A207
Damping internal turning tools	- The minimum diameter can be machined is 12mm - Applicable inserts are 7°, 11° positive inserts - Good Performance on reducing shake						 STUP A221	 SDUP A220	 SCLP A218	 SDQP A219
								 SVUC A222		 SVQC A222

A

General turning

Internal turning tools overview



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TURNING

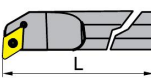
General Turning Tools

Internal turning tools code key

A

General turning

Internal turning tools code key

Type of tool holder		Diameter of tool holder	Length of tool holder	Clamping system	Inserts shape	
Code	Type					
A	Steel tool holder with oil-hole			 P-Hole clamping	 C	 D
C	Cemented carbide tool holder	Code Diameter	Code Length	 M-Top and hole clamping	 R	 S
E	Cemented carbide tool holder with oil hole	16 16 20 20 25 25 32 32 40 40 50 50	H 100 K 125 M 150 N 160 Q 180 R 200 S 250 T 300 U 350 V 400	 S-Screw on	 T	 V
S	Steel tool holder			 C-Top clamping	 W	
X	Special inserts applied					

S

16

R

-

S

D

U

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



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General Turning Tools

Internal turning tools code key

TURNING

Clearance angle of insert	
	B
	C
	D
	E
	N
	P

Cutting direction
L - Left hand
R - Right hand

Manufacture option	
D	Increase offset f size+1.0mm
E	Increase offset f size+2.0mm
R	Round shank
W	Wedge clamping
X	Back boring

C

R

07

A

General turning

Internal turning tools code key

Length of cutting edge							
Inserts shape	C	D	R	S	T	V	W
Inscribed circle	Length of cutting edge(mm)						
5.556	---	---	---	---	09	---	---
6.350	06	07	---	---	11	---	---
9.525	09	11	09	09	16	16	06
12.700	12	15	12	12	22	22	08
15.875	16	19	15	15	27	---	---
19.050	19	---	19	19	33	---	---
25.400	25	---	25	25	44	---	---



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TURNING

General Turning Tools

Internal turning tools

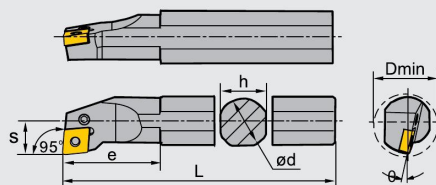
Corresponding tool holders of insert **CN** ☐ ☐ P-type clamping

PCLNR/L

Kr:95°



R-type shown



Type	Stock		Basic dimensions(mm)							Screw	Wrench	Lever	Shim	Shim pin
	R	L	Dmin	ød	h	L	S	θ	e					
S16M-PCLNR/L09	△	△	20	16	15	150	11	-12°	28	LEM5×9B	WH20L	L3C	—	—
S16R-PCLNR/L09	▲	▲	20	16	15	200	11	-12°	28					
S20Q-PCLNR/L09	△	△	25	20	18	180	13	-11°	31					
S20S-PCLNR/L09	▲	▲	25	20	18	250	13	-11°	31					
S25Q-PCLNR/L09	△	△	32	25	23	180	17	-10°	35					
S25T- PCLNR/L09	▲	▲	32	25	23	300	17	-10°	35	LEM6×13.4A	WH25L	L4A	—	—
S25Q-PCLNR/L12	△	△	32	25	23	180	17	-12°	40					
S25T- PCLNR/L12	▲	▲	32	25	23	300	17	-12°	40					
S32R-PCLNR/L12	△	△	44	32	30	200	22	-10°	50	LEM8×21	WH30L	L4	C12APB	SP4
S32U-PCLNR/L12	▲	▲	44	32	30	350	22	-10°	50					
S40S-PCLNR/L12	△	△	54	40	37	250	27	-10°	55					
S40V-PCLNR/L12	▲	▲	54	40	37	400	27	-10°	55					
S50S-PCLNR/L12	△	△	63	50	47	250	35	-10°	56					
S50W-PCLNR/L12	▲	▲	63	50	47	450	35	-10°	56	LEM10×27	WH40L	L6	C19AP	SP6
S50S-PCLNR/L19	△	△	63	50	47	250	35	-10°	63					
S50W-PCLNR/L19	▲	▲	63	50	47	450	35	-10°	63					
※A25R-PCLNR/L12	▲	▲	32	25	24	200	17	-12°	40	LEM6×13.4A	WH25L	L4A	—	—
※A32S-PCLNR/L12	▲	▲	44	32	31	250	22	-10°	50	LEM8×21	WH30L	L4	C12APB	SP4

※ Tool holders with oil hole

▲ Stock available

△ Make-to-order



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General Turning Tools

Internal turning tools

TURNING

Applicable inserts				
Application	For finishing	For semi-finishing	For roughing	For cast iron machining
Inserts shape	DF  A46	PM  A47	DR Double-side  A49	Without chipbreaker  A51
	WG Wiper  A46	DM  A48	DR Single-side  A50	
	SF  A46	EM  A48	ER Double-side  A50	
	EF  A46	NM  A49	ER Single-side  A50	
	NF  A47			
Tool holder type	□□-PCLNR/L09	CN□□0903□□	CN□□0903□□	CN□□0903□□
	□□-PCLNR/L12	CN□□1204□□	CN□□1204□□	CN□□1204□□
	□□-PCLNR/L19		CN□□1906□□	CN□□1906□□

A

General turning

Internal turning tools



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TURNING

General Turning Tools

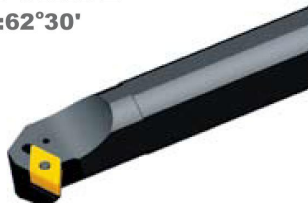
Internal turning tools

Corresponding tool holders of insert **DN** ☐ ☐

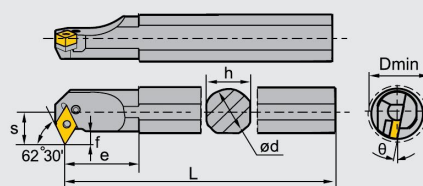
P-type clamping

PDSNR/L

Kr:62°30'



R-type shown



Type	Stock		Basic dimensions(mm)								Screw	Wrench	Lever	Shim	Shim pin
	R	L	Dmin	ød	h	L	S	θ	e	f					
S32R-PDSNR/L15	△	△	40	32	30	200	22	-11°	45	8.5	LEM8×21	WH30L	L4B	D15AP	SP4
S32U-PDSNR/L15	▲	▲	40	32	30	350	22	-11°	45	8.5					
S32R-PDSNR/L15-3	△	△	40	32	30	200	22	-11°	45	8.5	LEM8×21	WH30L	L4	D15AP	SP4
S32U-PDSNR/L15-3	▲	▲	40	32	30	350	22	-11°	45	8.5					
S40S-PDSNR/L15	△	△	50	40	37	250	27	-11°	43	9.4	LEM8×21	WH30L	L4B	D15AP	SP4
S40V-PDSNR/L15	▲	▲	50	40	37	400	27	-11°	43	9.4					
S40S-PDSNR/L15-3	△	△	50	40	37	250	27	-11°	43	9.4	LEM8×21	WH30L	L4	D15AP	SP4
S40V-PDSNR/L15-3	▲	▲	50	40	37	400	27	-11°	43	9.4					
※A32S- PDSNR/L15	△	△	40	32	31	250	22	-11°	45	8.5	LEM8×21	WH30L	L4B	D15AP	SP4
※A32S- PDSNR/L15-3	△	△	40	32	31	250	22	-11°	45	8.5	LEM8×21	WH30L	L4	D15AP	SP4

※ Tool holders with oil hole

▲ Stock available

△ Make-to-order

Applicable inserts

Application	For finishing		For semi-finishing		For roughing		For cast iron machining
Inserts shape	DF	 A53	PM	 A54	DR Double-side	 A56	Without chipbreaker  A58
	SF	 A53	DM	 A55	DR Single-side	 A57	
	EF	 A54	EM	 A56	ER Double-side	 A57	
	NF	 A54	NM	 A56	ER Single-side	 A57	
Tool holder type	□□-PDSNR/L15-3		DN□□1504□□		DN□□1504□□		DN□□1504□□
	□□-PDSNR/L15		DN□□1506□□		DN□□1506□□		DN□□1506□□



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General Turning Tools

Internal turning tools

TURNING

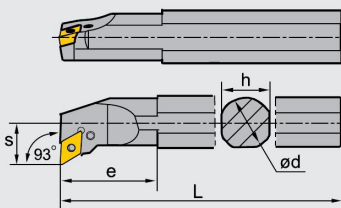
Corresponding tool holders of insert **DN** ☐ ☐ P-type clamping

PDUNR/L

Kr:93°



R-type shown



Type	Stock		Basic dimensions(mm)							Screw	Wrench	Lever	Shim	Shim pin
	R	L	Dmin	ød	h	L	S	θ	e					
S20Q-PDUNR/L11	△	△	25	20	18	180	13	-16°	30	LEM5×12B	WH20L	L3D	—	—
S20S-PDUNR/L11	▲	▲	25	20	18	250	13	-16°	30					
S25Q-PDUNR/L11	△	△	32	25	23	180	17	-13°	35					
S25T-PDUNR/L11	▲	▲	32	25	23	300	17	-13°	35					
S32R-PDUNR/L11	△	△	40	32	30	200	22	-16°	40	LEM6×17	WH25L	L3	D11AP	SP3
S32U-PDUNR/L11	▲	▲	40	32	30	350	22	-16°	40					
S32R-PDUNR/L15	△	△	40	32	30	200	22	-16°	50	LEM8×21	WH30L	L4B	D15AP	SP4
S32U-PDUNR/L15	▲	▲	40	32	30	350	22	-16°	50					
S32R-PDUNR/L15-3	△	△	40	32	30	200	22	-16°	50	LEM8×21	WH30L	L4	D15AP	SP4
S32U-PDUNR/L15-3	▲	▲	40	32	30	350	22	-16°	50					
S40S-PDUNR/L15	△	△	50	40	37	250	27	-11°	50	LEM8×21	WH30L	L4B	D15AP	SP4
S40V-PDUNR/L15	▲	▲	50	40	37	400	27	-11°	50					
S40S-PDUNR/L15-3	△	△	50	40	37	250	27	-11°	50	LEM8×21	WH30L	L4	D15AP	SP4
S40V-PDUNR/L15-3	▲	▲	50	40	37	400	27	-11°	50					
※A32S-PDUNR/L15	▲	▲	40	32	31	250	22	-16°	50	LEM8×21	WH30L	L4B	D15AP	SP4
※A32S-PDUNR/L15-3	▲	△	40	32	31	250	22	-16°	50	LEM8×21	WH30L	L4	D15AP	SP4

※ Tool holders with oil hole ▲ Stock available △ Make-to-order

Applicable inserts

Application	For finishing		For semi-finishing		For roughing		For cast iron machining
Inserts shape	DF	 A53	PM	 A54	DR Double-side	 A56	Without chipbreaker  A58
	WG Wiper	 A53	DM	 A55	DR Single-side	 A57	
	SF	 A53	EM	 A56	ER Double-side	 A57	
	EF	 A54	NM	 A56	ER Single-side	 A57	
	NF	 A54					
Tool holder type	□□-PDUNR/L11		DN□□1104□□		DN□□1104□□		
	□□-PDUNR/L15-3		DN□□1504□□		DN□□1504□□		DN□□1504□□
	□□-PDUNR/L15		DN□□1506□□		DN□□1506□□		DN□□1506□□

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General turning

Internal turning tools



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TURNING

General Turning Tools

Internal turning tools

Corresponding tool holders of insert **SN** ☐ ☐

P-type clamping

A

General turning

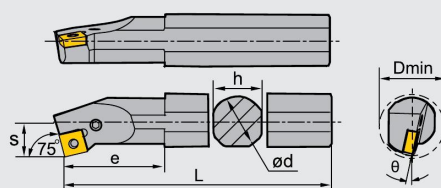
Internal turning tools

PSKNR/L

Kr:75°



R-type shown



Type	Stock		Basic dimensions(mm)							Screw	Wrench	Lever	Shim	Shim pin
	R	L	Dmin	ød	h	L	S	θ	e					
S25Q-PSKNR/L12	△	△	32	25	23	180	17	-12°	42	LEM6×13.4A	WH25L	L4A	—	—
S25T-PSKNR/L12	▲	▲	32	25	23	300	17	-12°	42					
S32R-PSKNR/L12	△	△	44	32	30	200	22	-10°	45	LEM8×21	WH30L	L4	S12APB	SP4
S32U-PSKNR/L12	▲	▲	44	32	30	350	22	-10°	45					
S40S-PSKNR/L12	△	△	54	40	37	250	27	-10°	50					
S40V-PSKNR/L12	▲	△	54	40	37	400	27	-10°	50					
※A25R-PSKNR/L12	▲	▲	32	25	24	200	17	-12°	42	LEM6×13.4A	WH25L	L4A	—	—
※A32S-PSKNR/L12	▲	△	44	32	31	250	22	-12°	50	LEM8×21	WH30L	L4	S12APB	SP4

※ Tool holders with oil hole

▲ Stock available

△ Make-to-order

Applicable inserts

Application	For extra finishing	For finishing	For semi-finishing	For roughing	For cast iron machining
Inserts shape	SF  A60	DF  A59	PM  A60	DR Double-side  A62	Without chipbreaker  A65
		EF  A59	DM  A61	DR Single-side  A62	
			EM  A61	ER Double-side  A63	
			NM  A62	ER Single-side  A63	
Tool holder type	□□-PSKNR/L12	SN□□1204□□	SN□□1204□□	SN□□1204□□	SN□□1204□□



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General Turning Tools

Internal turning tools

TURNING

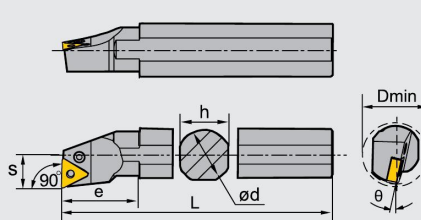
Corresponding tool holders of insert **TN** ☐ ☐ P-type clamping

PTFNR/L

Kr:90°



R-type shown



Type	Stock		Basic dimensions(mm)							Screw	Wrench	Lever	Shim	Shim pin
	R	L	Dmin	ød	h	L	S	θ	e					
S16M-PTFNR/L11	△	△	20	16	15	150	11	-14°	28	LEM5×9B	WH20L	L2	—	—
S16R-PTFNR/L11	▲	▲	20	16	15	200	11	-14°	28					
S20Q-PTFNR/L11	△	△	25	20	18	180	13	-12°	31					
S20S-PTFNR/L11	▲	▲	25	20	18	250	13	-12°	31					
S25Q-PTFNR/L11	△	△	32	25	23	180	17	-10°	35					
S25T-PTFNR/L11	▲	▲	32	25	23	300	17	-10°	35	LEM5×12B	WH20L	L3B	—	—
S25Q-PTFNR/L16	△	△	32	25	23	180	17	-12°	42					
S25T-PTFNR/L16	▲	▲	32	25	23	300	17	-12°	42					
S32R-PTFNR/L16	△	△	44	32	30	200	22	-10°	50	LEM6×17	WH25L	L3	T16APB	SP3
S32U-PTFNR/L16	▲	▲	44	32	30	350	22	-10°	50					
S40S-PTFNR/L16	△	△	54	40	37	250	27	-10°	55					
S40V-PTFNR/L16	▲	▲	54	40	37	400	27	-10°	55					
※A25R-PTFNR/L16	△	△	32	25	24	200	17	-12°	40					
※A32S-PTFNR/L16	▲	▲	44	32	31	250	22	-10°	50					

※ Tool holders with oil hole ▲ Stock available △ Make-to-order

Applicable inserts

Application	For finishing	For semi-finishing	For roughing	For cast iron machining
Inserts shape	DF  A66	PM  A67	DR Double-side  A68	Without chipbreaker  A71
	WG Wiper  A66	DM  A67	DR Single-side  A69	
	SF  A66	EM  A68	ER Double-side  A69	
	EF  A66			
Tool holder type	□□PTFNR/L11	TN□□1103□□	TN□□1103□□	TN□□1103□□
	□□PTFNR/L16	TN□□1604□□	TN□□1604□□	TN□□1604□□

A

General turning

Internal turning tools



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TURNING

General Turning Tools

Internal turning tools

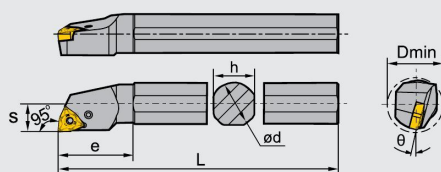
Corresponding tool holders of insert **WN** ☐ ☐ P-type clamping

PWLNRL

Kr:95°



R-type shown



Type	Stock		Basic dimensions(mm)							Screw	Wrench	Lever	Shim	Shim pin
	R	L	Dmin	ød	h	L	S	θ	e					
S16M-PWLNRL/L06	△	△	20	16	15	150	11	-13°	25	LEM5X12B	WH20L	L3B	—	—
S16R-PWLNRL/L06	△	△	20	16	15	200	11	-13°	25					
S20Q-PWLNRL/L06	△	△	25	20	18	180	13	-13°	35	LEM5X12B	WH20L	L3B	—	—
S20S-PWLNRL/L06	△	△	25	20	18	250	13	-13°	35					
S25Q-PWLNRL/L06	△	△	32	25	23	180	17	-13°	35					
S25T-PWLNRL/L06	△	△	32	25	23	300	17	-13°	35					
S20Q-PWLNRL/L08	△	△	25	20	18	180	13	-13°	32	LEM6X13.4A	WH25L	L4A	—	—
S20S-PWLNRL/L08	△	△	25	20	18	250	13	-13°	32					
S25Q-PWLNRL/L08	△	△	32	25	23	180	17	-13°	45					
S25T-PWLNRL/L08	△	△	32	25	23	300	17	-13°	45					
S32R-PWLNRL/L08	△	△	40	32	30	200	22	-15°	50	LEM8X21	WH30L	L4	W08AP	SP4
S32U-PWLNRL/L08	△	△	40	32	30	350	22	-15°	50					
※A25T-PWLNRL/L08	△	△	32	25	23	300	17	-13°	45	LEM6X13.4A	WH25L	L4A	—	—
※A32R-PWLNRL/L08	△	△	40	32	30	200	22	-15°	50	LEM8X21	WH30L	L4	W08AP	SP4

※ Tool holders with oil hole ▲ Stock available △ Make-to-order

Applicable inserts

Application	For finishing		For semi-finishing		For roughing		For cast iron machining
Inserts shape	DF	 A74	DM	 A76	DR Double -side	 A77	Without chipbreaker  A77
	WG Wiper	 A74	PM	 A76			
	SF	 A75	EM	 A76			
	EF	 A75	NM	 A77			
	NF	 A75					
Tool holder type	□□-PWLNRL/L06		WN□□0604□□		WN□□0604□□		WN□□0604□□
	□□-PWLNRL/L08		WN□□0804□□		WN□□0804□□		WN□□0804□□



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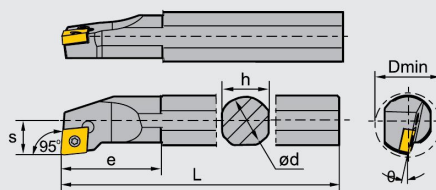
Internal turning tools

TURNING

Corresponding tool holders of insert **CC** ☐ ☐ S-type clamping

SCLCR/L

Kr:95°



Type	Stock		Basic dimensions(mm)							Screw	Wrench	Shim	Shim screw
	R	L	Dmin	ød	h	L	S	θ	e				
S08K-SCLCR/L06	▲	▲	10	8	7	125	5	-15°	14	I60M2.5×5.5	WT07IP	—	—
S10M-SCLCR/L06	▲	▲	12	10	9	150	6	-13°	14			—	—
S12M-SCLCR/L06	▲	▲	16	12	11	150	9	-10°	25			—	—
S12M-SCLCR/L09	▲	▲	16	12	11	150	9	-10°	25	I60M3.5×8	WT15IP	—	—
S16M-SCLCR/L09	△	△	20	16	15	150	11	-12°	32.5			—	—
S16R-SCLCR/L09	▲	▲	20	16	15	200	11	-12°	32.5			—	—
S20Q-SCLCR/L09	△	△	25	20	18	180	13	-8°	38			—	—
S20S-SCLCR/L09	▲	▲	25	20	18	250	13	-8°	38			—	—
S25Q-SCLCR/L09	△	△	32	25	23	180	17	-6°	45	I60M3.5×10	WT15IP	—	—
S25T-SCLCR/L09	▲	▲	32	25	23	300	17	-6°	45			—	—
S25Q-SCLCR/L12	△	△	32	25	23	180	17	-6°	45	I60M4×11X	WT15IP	—	—
S25T-SCLCR/L12	▲	▲	32	25	23	300	17	-6°	45	I60M4×11X	WT15IP	—	—
S32R-SCLCR/L12	△	△	40	32	30	200	22	-10°	50	I60M4×11X	WH40L WT15IP	C12BS	SM6×10XA
S32U-SCLCR/L12	▲	▲	40	32	30	350	22	-10°	50				
S40S-SCLCR/L12	△	△	50	40	37	250	27	-8°	60				
S40V-SCLCR/L12	▲	▲	50	40	37	400	27	-8°	60				
※A08F-SCLCR/L06	▲	▲	10	8	7.5	80	5	-15°	14	I60M2.5×5.5	WT07IP	—	—
※A10H-SCLCR/L06	▲	▲	12	10	9.5	100	6	-13°	14			—	—
※A12K-SCLCR/L06	▲	▲	16	12	11.5	125	9	-10°	25			—	—
※A12K-SCLCR/L09	▲	▲	16	12	11.5	125	9	-10°	25	I60M3.5×8	WT15IP	—	—
※A16M-SCLCR/L09	▲	▲	20	16	15.5	150	11	-12°	32.5			—	—
※A20Q-SCLCR/L09	▲	▲	25	20	19	180	13	-8°	38			—	—
※A25R-SCLCR/L09	▲	▲	32	25	24	200	17	-6°	45	I60M3.5×10	WT15IP	—	—
※A25R-SCLCR/L12	▲	▲	32	25	24	200	17	-6°	45			—	—
※A32S-SCLCR/L12	▲	▲	40	32	31	250	22	-10°	50	I60M4×11X	WH40L WT15IP	C12BS	SM6×10XA

※ Tool holders with oil hole

▲ Stock available

△ Make-to-order

Applicable inserts

Application	For extra finishing	For finishing	For semi-finishing	For roughing	For Al machining	For cast iron machining
Inserts shape	SF  A80	HF  A80	HM  A81	HR  A82	LH  A82	Without chipbreaker  A83
		EF  A81	EM  A81		LC  A82	
Tool holder type	□□-SCLCR/L06	CC□□0602□□	CC□□0602□□	CC□□0602□□	CC□□0602□□	CCGX0602□□
	□□-SCLCR/L09	CC□□09T3□□	CC□□09T3□□	CC□□09T3□□	CC□□09T3□□	CCGX09T3□□
	□□-SCLCR/L12	CC□□1204□□	CC□□1204□□	CC□□1204□□	CC□□1204□□	CCGX1204□□



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TURNING

General Turning Tools

Internal turning tools

Corresponding tool holders of insert **DC** ☐ ☐

S-type clamping

A

General turning

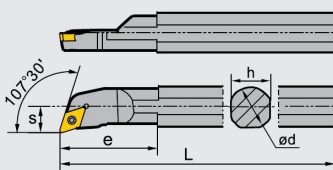
Internal turning tools

SDQCR/L

Kr:107°30'



R-type shown



Type	Stock		Basic dimensions(mm)							Screw	Wrench		
	R	L	Dmin	ød	h	L	S	θ	e				
S10M-SDQCR/L07	▲	▲	13	10	9	150	7	-8°	20	I60M2.5×5.5		WT07IP	
S12M-SDQCR/L07	▲	▲	16	12	11	150	9	-8°	22				
S16M-SDQCR/L07	△	△	20	16	15	150	11	-6°	27				
S16R-SDQCR/L07	▲	▲	20	16	15	200	11	-6°	27				
S20Q-SDQCR/L11	△	△	25	20	18	180	13	-6°	32	I60M3.5×8		WT15IP	
S20S-SDQCR/L11	▲	▲	25	20	18	250	13	-6°	32				
S25Q-SDQCR/L11	△	△	32	25	23	180	17	-6°	32	I60M3.5×10			
S25T-SDQCR/L11	▲	▲	32	25	23	300	17	-6°	32				
※A10H-SDQCR/L07	▲	△	13	10	9.5	100	7	-8°	20	I60M2.5×5.5		WT07IP	
※A12K-SDQCR/L07	▲	▲	16	12	11.5	125	9	-8°	22	I60M2.5×6.5			
※A16M-SDQCR/L11	▲	△	20	16	15.5	150	11	-6°	27	I60M3.5×8		WT15IP	
※A20Q-SDQCR/L11	▲	▲	25	20	19	180	13	-6°	32				
※A25R-SDQCR/L11	▲	▲	32	25	24	200	17	-6°	32	I60M3.5×10			

※ Tool holders with oil hole

▲ Stock available

△ Make-to-order

Applicable inserts

Application	For extra finishing	For finishing	For semi-finishing	For roughing	For Al machining	For cast iron machining
Inserts shape	SF  A84	HF  A84	HM  A85	HR  A86	LH  A86	Without chipbreaker  A86
		EF  A85	EM  A85		LC  A86	
Tool holder type	□□-SDQCR/L07	DC□□0702□□	DC□□0702□□	DC□□0702□□	DCGX0702□□	DC□□0702□□
	□□-SDQCR/L11	DC□□11T3□□	DC□□11T3□□	DC□□11T3□□	DCGX11T3□□	DC□□11T3□□



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General Turning Tools

Internal turning tools

TURNING

Corresponding tool holders of insert DC□□

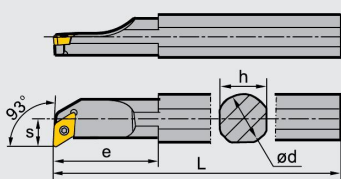
S-type clamping

SDUCR/L

Kr:93°



R-type shown



Type	Stock		Basic dimensions(mm)							Screw	Wrench		
	R	L	Dmin	ød	h	L	S	θ	e				
S10M-SDUCR/L07	▲	▲	13	10	9	150	7	-8°	0	I60M2.5×5.5		WT07IP	
S12M-SDUCR/L07	▲	▲	16	12	11	150	9	-8°	22				
S16M-SDUCR/L07	△	△	20	16	15	150	11	-6°	27				
S16R-SDUCR/L07	▲	▲	20	16	15	200	11	-6°	27				
S20Q-SDUCR/L11	△	△	25	20	18	180	13	-6°	40	I60M3.5×8		WT15IP	
S20S-SDUCR/L11	▲	▲	25	20	18	250	13	-6°	40				
S25Q-SDUCR/L11	△	△	32	25	23	180	17	-6°	46	I60M3.5×10			
S25T-SDUCR/L11	▲	▲	32	25	23	300	17	-6°	46				
※A10H-SDUCR/L07	▲	▲	13	10	9.5	100	7	-8°	0	I60M2.5×5.5		WT07IP	
※A12K-SDUCR/L07	△	▲	16	12	11.5	125	9	-8°	22				I60M2.5×6.5
※A16M-SDUCR/L07	▲	▲	20	16	15.5	150	11	-6°	27				
※A20Q-SDUCR/L11	▲	▲	25	20	19	180	13	-6°	40	I60M3.5×8			
※A25R-SDUCR/L11	▲	▲	32	25	24	200	17	-6°	46	I60M3.5×10	WT15IP		

※ Tool holders with oil hole

▲ Stock available

△ Make-to-order

Applicable inserts

Application	For extra finishing	For finishing	For semi-finishing	For roughing	For Al machining	For cast iron machining
Inserts shape	SF  A84	HF  A84	HM  A85	HR  A86	LH  A86	Without chipbreaker  A86
		EF  A85	EM  A85		LC  A86	
Tool holder type	□□-SDUCR/L07	DC□□0702□□	DC□□0702□□	DC□□0702□□	DCGX0702□□	DC□□0702□□
	□□-SDUCR/L11	DC□□11T3□□	DC□□11T3□□	DC□□11T3□□	DCGX11T3□□	DC□□11T3□□

A

General turning

Internal turning tools



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TURNING

General Turning Tools

Internal turning tools

Corresponding tool holders of insert **DC** ☐ ☐

S-type clamping

A

General turning

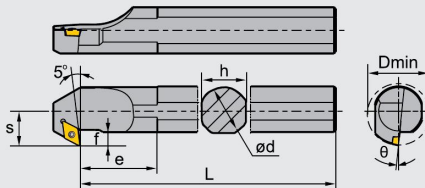
Internal turning tools

SDZCR/L

Kr:95°



R-type shown



Type	Stock		Basic dimensions(mm)								Screw	Wrench	Shim	Shim screw
	R	L	Dmin	ød	h	L	S	θ	e	f				
S25Q-SDZCR/L11	△	△	32	25	23	180	17	-6°	30	6.9	I60M3.5×10	WT15IP	---	---
S25T-SDZCR/L11	▲	▲	32	25	23	300	17	-6°	30	6.9				
S32R-SDZCR/L11	△	△	40	32	30	200	22	-6°	39	8.4	I60M3.5×12	WT15IP WH35L	D11BS	SM5×8.65XA
S32U-SDZCR/L11	▲	▲	40	32	30	350	22	-6°	39	8.4				
S40S-SDZCR/L11	△	△	50	40	37	250	27	-4°	47	9.4				
S40V-SDZCR/L11	▲	▲	50	40	37	400	27	-4°	47	9.4				
※A25R-SDZCR/L11	▲	△	32	25	24	200	17	-6°	30	4.5	I60M3.5×10	WT15IP		
※A32S-SDZCR/L11	△	△	40	32	31	250	22	-6°	39	6.0	I60M3.5×12	WT15IP WH35L	D11BS	SM5×8.65XA

※ Tool holders with oil hole

▲ Stock available

△ Make-to-order

Applicable inserts

Application	For extra finishing	For finishing	For semi-finishing	For roughing	For Al machining	For cast iron machining
Inserts shape	SF  A84	HF  A84	HM  A85	HR  A86	LH  A86	Without chipbreaker  A86
		EF  A85	EM  A85		LC  A86	
Tool holder type	□□-SDZCR/L11	DC□□11T3□□	DC□□11T3□□	DC□□11T3□□	DCGX11T3□□	DC□□11T3□□



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General Turning Tools

Internal turning tools

TURNING

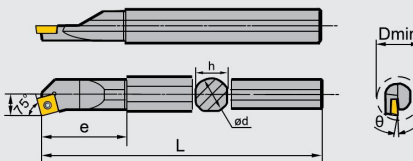
Corresponding tool holders of insert **SC** ☐ ☐ S-type clamping

SSKCR/L

Kr:75°



R-type shown



Type	Stock		Basic dimensions(mm)							Screw	Wrench	Shim	Shim screw
	R	L	Dmin	ød	h	L	S	θ	e				
S12M-SSKCR/L09	▲	△	16	12	11	150	9	-10	26	I60M3.5×8	WT15IP	---	---
S16M-SSKCR/L09	△	△	20	16	15	150	11	-11	32.5				
S16R-SSKCR/L09	▲	▲	20	16	15	200	11	-11	32.5				
S20Q-SSKCR/L09	△	△	25	20	18	180	13	-6	34.5				
S20S-SSKCR/L09	▲	△	25	20	18	250	13	-6	34.5				
S25Q-SSKCR/L12	△	△	32	25	23	180	17	-8	36.3	I60M4×11X	WT15IP	S12BS	SM6×10XA
S25T-SSKCR/L12	▲	▲	32	25	23	300	17	-8	36.3				
S32R-SSKCR/L12	△	△	40	32	30	200	22	-10	43.5				
S32U-SSKCR/L12	▲	△	40	32	30	350	22	-10	43.5				
※A12K-SSKCR/L09	△	△	16	12	11	125	9	-10	26	I60M3.5×8	WT15IP	---	---
※A16M-SSKCR/L09	△	△	20	16	15	150	11	-11	32.5				
※A20Q-SSKCR/L09	▲	△	25	20	19	180	13	-6	34.5				
※A25R-SSKCR/L12	△	△	32	25	24	200	17	-8	41.3	I60M4×11X	WT15IP	S12BS	SM6×10XA
※A32S-SSKCR/L12	▲	△	40	32	31	250	22	-10	42.8				

※ Tool holders with oil hole

▲ Stock available

△ Make-to-order

Applicable inserts

Application	For finishing	For semi-finishing	For roughing	For AI machining	For cast iron machining
Inserts shape	HF A89	HM A89	HR A90	LH A90	Without chipbreaker A90
	EF A89	EM A89		LC A90	
Tool holder type	□□-SSKCR/L09	SC□□09T3□□	SC□□09T3□□	SCGX09T3□□	SC□□09T3□□
	□□-SSKCR/L12		SC□□1204□□	SCGX1204□□	SC□□1204□□

A

General turning

Internal turning tools



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TURNING

General Turning Tools

Internal turning tools

Corresponding tool holders of insert **TC** ☐ ☐

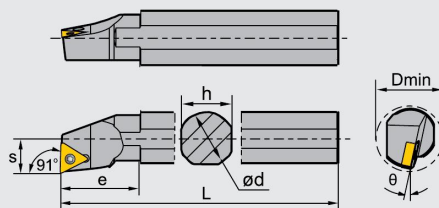
S-type clamping

STFCR/L

Kr:91°



R-type shown



Type	Stock		Basic dimensions(mm)							Screw	Wrench	Shim	Shim screw
	R	L	Dmin	ød	h	L	S	θ	e				
S12M-STFCR/L11	▲	▲	16	12	11	150	9	-10°	30	I60M2.5×6.5	WT07IP	---	---
S16M-STFCR/L11	△	△	20	16	15	150	11	-6°	35				
S16R-STFCR/L11	▲	▲	20	16	15	200	11	-6°	35				
S20Q-STFCR/L11	△	△	25	20	18	180	13	-3°	36				
S20S-STFCR/L11	▲	▲	25	20	18	250	13	-3°	36	I60M3.5×10	WT15IP		
S25Q-STFCR/L16	△	△	32	25	23	180	17	-6°	49				
S25T-STFCR/L16	▲	▲	32	25	23	300	17	-6°	49				
S32R-STFCR/L16	△	△	40	32	30	200	22	-10°	50				
S32U-STFCR/L16	▲	▲	40	32	30	350	22	-10°	50	I60M3.5×12	WT15IP WH35L	T16BS	SM5×8.65XA
S40S-STFCR/L16	△	△	50	40	37	250	27	-8°	60				
S40V-STFCR/L16	▲	▲	50	40	37	400	27	-8°	60				
※A12K-STFCR/L11	▲	△	16	12	11.5	125	9	-10°	26	I60M2.5×6.5	WT07IP	---	---
※A16M-STFCR/L11	▲	△	20	16	15.5	150	11	-6°	30				
※A20Q-STFCR/L11	▲	△	25	20	19	180	13	-3°	36				
※A25R-STFCR/L16	▲	▲	32	25	24	200	17	-6°	45	I60M3.5×10	WT15IP		
※A32S-STFCR/L16	△	△	40	32	31	250	22	-10°	49				

※ Tool holders with oil hole

▲ Stock available

△ Make-to-order

Applicable inserts

Application	For finishing	For semi-finishing	For roughing	For Al machining	For cast iron machining
Inserts shape	HF  A91	HM  A93	HR  A93	LH  A94	Without chipbreaker  A94
	EF  A92	EM  A92		LC  A93	
Tool holder type	□□-STFCR/L11	TC□□1102□□	TC□□1102□□	TC□□1102□□	TC□□1102□□
	□□-STFCR/L16	TC□□16T3□□	TC□□16T3□□	TC□□16T3□□	TC□□16T3□□



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General Turning Tools

Internal turning tools

TURNING

Corresponding tool holders of insert VC□□

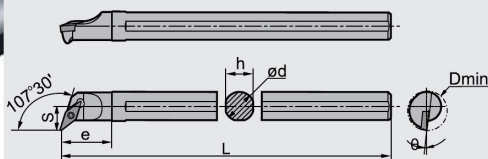
S-type clamping

SVQCR/L

Kr:107°30'



R-type shown



Type	Stock		Basic dimensions(mm)							Screw	Wrench		
	R	L	Dmin	ød	h	L	S	θ	e				
S16Q-SVQCR/L11	▲	▲	22	16	15	180	13	-6°	28	I60M2.5×6.5	WT07IP		
S20R-SVQCR/L11	△	△	26	20	18	200	15	-4°	32				

▲Stock available

△Make-to-order

Applicable inserts

Application		For extra finishing		For finishing		For AI machining	
Inserts shape		SF		HF		LH	
		A95		A95		A95	
Tool holder type	□□-SVQCR/L11	VC□□1103□□		VC□□1103□□		VCGX1103□□	

A

General turning

Internal turning tools



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TURNING

General Turning Tools

Internal turning tools

Corresponding tool holders of insert VC□□

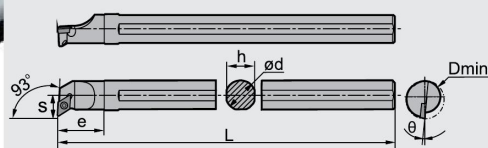
S-type clamping

SVUCR/L

Kr:93°



R-type shown



Type	Stock		Basic dimensions(mm)							Screw	Wrench		
	R	L	Dmin	ød	h	L	S	θ	e				
S16Q-SVUCR/L11	△	△	24	16	15	180	15	-6°	25	I60M2.5×6.5	WT07IP		
S20R-SVUCR/L11	△	△	28	20	18	200	17	-4°	30				

▲Stock available

△Make-to-order

Applicable inserts

Application		For extra finishing	For finishing	For AI machining
Inserts shape		SF  A95	HF  A95	LH  A96
Tool holder type	□□-SVUCR/L11	VC□□1103□□	VC□□1103□□	VCGX1103□□



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General Turning Tools

Internal turning tools

TURNING

Corresponding tool holders of insert **VB** □ □

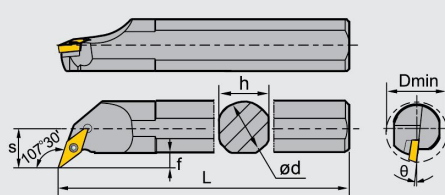
S-type clamping

SVQBR/L

Kr:107°30'



R-type shown



Type	Stock		Basic dimensions(mm)								Screw	Wrench	Shim	Shim screw
	R	L	Dmin	ød	h	L	S	θ	e	f				
S32RSVQBR/L16	△	△	40	32	30	200	22	-8°	56	8.4	I60M3.5×12	WT15IP WH35L	V16BS	SM5×8.65XA
S32U-SVQBR/L16	▲	▲	40	32	30	350	22	-8°	56	8.4				
S40S-SVQBR/L16	△	△	50	40	37	250	27	-8°	64	9.4				
S40V-SVQBR/L16	▲	▲	50	40	37	400	27	-8°	64	9.4				
※A32S-SVQBR/L16	▲	△	40	32	31	250	22	-8°	56	8.4				

※ Tool holders with oil hole

▲ Stock available

△ Make-to-order

Applicable inserts

Application	For finishing		For semi-finishing	For roughing
Inserts shape	EF	 A98	HM	 A99
	NF	 A98		 A99
Tool holder type	□□-SVQBR/L16		VB□□1604□□	VB□□1604□□

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General turning

Internal turning tools



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TURNING

General Turning Tools

Internal turning tools

Corresponding tool holders of insert **VB** ☐ ☐

S-type clamping

A

General turning

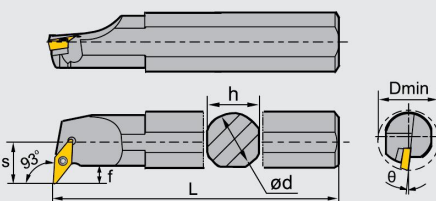
Internal turning tools

SVUBR/L

Kr:93°



R-type shown



Type	Stock		Basic dimensions(mm)								Screw	Wrench	Shim	Shim screw
	R	L	Dmin	ød	h	L	S	θ	e	f				
S32R-SVUBR/L16	△	△	40	32	30	200	22	-8°	49	8.4	I60M3.5×12	WT15IP WH35L	V16BS	SM5×8.65XA
S32U-SVUBR/L16	▲	▲	40	32	30	350	22	-8°	49	8.4				
S40S- SVUBR/L16	△	△	50	40	37	250	27	-8°	56.5	9.4				
S40V- SVUBR/L16	▲	▲	50	40	37	400	27	-8°	56.5	9.4				
※A32S- SVUBR/L16	▲	▲	40	32	31	250	22	-8°	49	8.4				

※ Tool holders with oil hole

▲ Stock available

△ Make-to-order

Applicable inserts

Application	For finishing		For semi-finishing		For roughing	
Inserts shape	HF	 A98	HM	 A99	HR	 A99
	EF	 A98	EM	 A99		
	NF	 A98				
Tool holder type	□□-SVUBR/L16		VB□□1604□□		VB□□1604□□	



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General Turning Tools

Internal turning tools

TURNING

Corresponding tool holders of insert CP

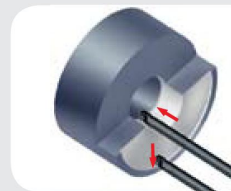
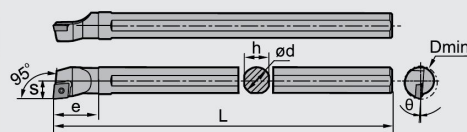
S-type clamping

SCLPR/L

Kr:95°



R-type shown



Type	Stock		Basic dimensions(mm)							Screw	Wrench		
	R	L	Dmin	ød	h	L	S	θ	e				
S10K-SCLPR/L06	▲	▲	12	10	9	125	6	-7°	17	I60M2.5×5.5	WT07IP		
S12M-SCLPR/L06	▲	▲	16	12	11	150	8	-4°	20				
S16Q-SCLPR/L09	▲	▲	20	16	15	180	10	-4°	29	I60M3.5×8	WT15IP		
S20R-SCLPR/L09	△	△	25	20	18	200	13	-4°	35				

▲Stock available

△Make-to-order

Applicable inserts

Application	For extra finishing
Inserts shape	SF 
Tool holder type	A100
□□-SCLPR/L06	CP□□0602□□
□□-SCLPR/L09	CP□□09T3□□

A

General turning

Internal turning tools



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TURNING

General Turning Tools

Internal turning tools

Corresponding tool holders of insert **DP** ☐ ☐

S-type clamping

A

General turning

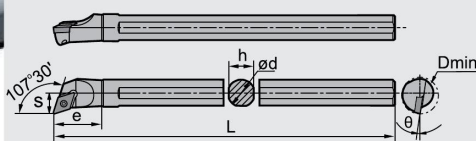
Internal turning tools

SDQPR/L

Kr:107°30'



R-type shown



Type	Stock		Basic dimensions(mm)							Screw	Wrench		
	R	L	Dmin	ød	h	L	S	θ	e				
S10K-SDQPR/L07	△	△	13	10	9	125	7	-8°	20	I60M2.5×5.5	WT07IP		
S12M-SDQPR/L07	▲	△	16	12	11	150	9	-8°	22				
S16Q-SDQPR/L07	▲	△	20	16	15	180	11	-6°	27				
S16Q-SDQPR/L11	▲	△	20	16	15	180	11	-6°	32	I60M3.5×8	WT15IP		
S20R-SDQPR/L11	△	△	25	20	18	200	13	-6°	33				

▲Stock available

△Make-to-order

Applicable inserts

Application	For extra finishing
Inserts shape	SF  A101
Tool holder type	
☐ -SDQPR/L07	DP□□0702□□
☐ -SDQPR/L11	DP□□11T3□□



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General Turning Tools

Internal turning tools

TURNING

Corresponding tool holders of insert DP

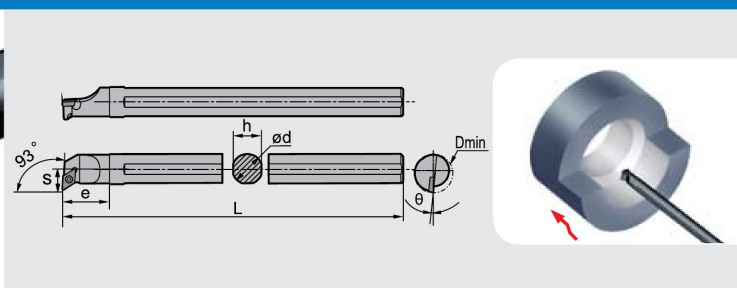
S-type clamping

SDUPR/L

Kr:93°



R-type shown



Type	Stock		Basic dimensions(mm)							Screw	Wrench		
	R	L	Dmin	ød	h	L	S	θ	e				
S10K-SDUPR/L07	▲	▲	15	10	9	125	9	-8°	18	I60M2.5×5.5	WT07IP		
S12M-SDUPR/L07	▲	△	16	12	11	150	9	-8°	19				
S16Q-SDUPR/L07	△	△	20	16	15	180	11	-6°	25				

▲Stock available

△Make-to-order

Applicable inserts

Application	For extra finishing
Inserts shape	SF 
Tool holder type	A101
□□-SDUPR/L07	DP□□0702□□

A

General turning

Internal turning tools



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TURNING

General Turning Tools

Internal turning tools

Corresponding tool holders of insert TP

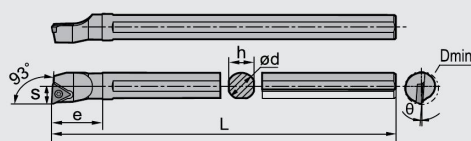
S-type clamping

STUPR/L

Kr:93°



R-type shown



Type	Stock		Basic dimensions(mm)							Screw	Wrench		
	R	L	Dmin	ød	h	L	S	θ	e				
S10K-STUPR/L09	▲	△	12	10	9	125	6	-6°	20	I60M2.2×5.5	WT07IP		
S12M-STUPR/L09	▲	△	16	12	11	150	8	-4°	22				
S12M-STUPR/L11	▲	△	16	12	11	150	8	-4°	25	I60M2.5×6.5	WT07IP		
S16Q-STUPR/L11	▲	△	20	16	15	180	10	-3°	27				

▲Stock available

△Make-to-order

Applicable inserts

Application		For extra finishing
Inserts shape		SF
		
		A104
Tool holder type	□□-STUPR/L09	TP□□0902□□
	□□-STUPR/L11	TP□□1103□□



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General Turning Tools

Internal turning tools

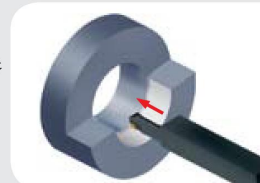
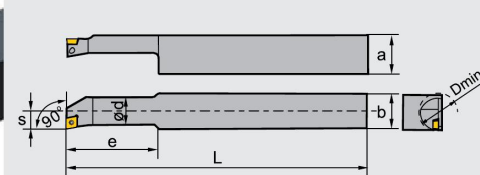
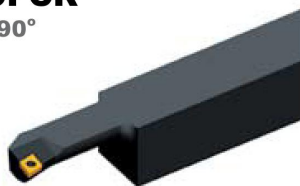
TURNING

Corresponding tool holders of insert **CC** ☐ ☐

S-type clamping

SCFCR

Kr:90°



Type	Stock		Basic dimensions(mm)							Screw	Wrench		
	R	L	Dmin	ød	L	s	a	b	e				
S10M-SCFCR06S25	▲	△	13	10	150	7	27	25	30	I60M2.5×5.5	WT07IP		
S12P-SCFCR06S25	▲	△	16	12	170	9	27	25	35	I60M2.5×6.5			
S16Q-SCFCR09S25	△	△	20	16	180	11	27	25	40	I60M3.5×8	WT15IP		
S20R-SCFCR09S25	▲	△	25	20	200	13	27	25	45				
S25R-SCFCR12S25	▲	△	32	25	200	17	27	25	50	I60M5×13	WT20IP		

▲Stock available

△Make-to-order

Applicable inserts

Application		For extra finishing	For finishing	For semi-finishing	For roughing	For Al machining	For cast iron machining
Inserts shape	SF  A80	HF  A80	HM  A81	HR  A82	LH  A82	Without chipbreaker  A83	
		EF  A81	EM  A81		LC  A82		
Tool holder type	□□-SCFCR06S25	CC□□0602□□	CC□□0602□□	CC□□0602□□	CC□□0602□□	CCGX0602□□	CC□□0602□□
	□□-SCFCR09S25	CC□□09T3□□	CC□□09T3□□	CC□□09T3□□	CC□□09T3□□	CCGX09T3□□	CC□□09T3□□
	□□-SCFCR12S25	CC□□1204□□	CC□□1204□□	CC□□1204□□	CC□□1204□□	CCGX1204□□	CC□□1204□□

A

General turning

Internal turning tools



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TURNING

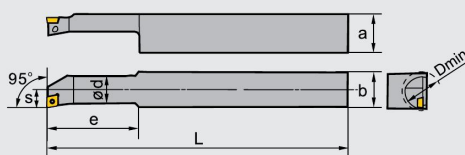
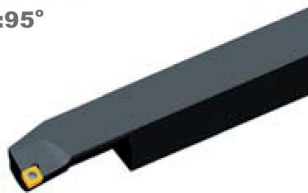
General Turning Tools

Internal turning tools

Corresponding tool holders of insert **CC** ☐ ☐ S-type clamping

SCLCR

Kr:95°



Type	Stock		Basic dimensions(mm)							Screw	Wrench		
	R	L	Dmin	ød	L	s	a	b	e				
S10M-SCLCR06S20	▲	△	13	10	150	7	22	20	30	I60M2.5×5.5	WT07IP		
S12P-SCLCR06S20	▲	△	16	12	170	9	22	20	35				
S16Q-SCLCR09S20	▲	△	20	16	180	11	22	20	40	I60M3.5×8	WT15IP		
S20R-SCLCR09S20	▲	△	25	20	200	13	22	20	60				

▲ Stock available

△ Make-to-order

Applicable inserts

Application	For extra finishing	For finishing	For semi-finishing	For roughing	For Al machining	For cast iron machining
Inserts shape	SF  A80	HF  A80	HM  A81	HR  A82	LH  A82	Without chipbreaker  A83
		EF  A81	EM  A81		LC  A82	
Tool holder type	□□-SCLCR06S20	CC□□0602□□	CC□□0602□□	CC□□0602□□	CC□□0602□□	CCGX0602□□
	□□-SCLCR09S20	CC□□09T3□□	CC□□09T3□□	CC□□09T3□□	CC□□09T3□□	CCGX09T3□□



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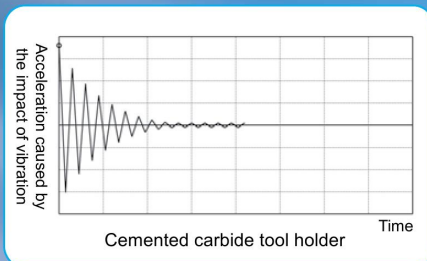
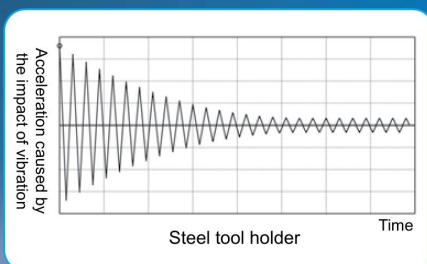
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Damping tool holders for internal turning

Technical features

Increasing material rigidity of tool holder can reduce the amplitude, or obtain larger overhang under the condition of same systemic stability. Therefore, compared with steel tool holder, cemented carbide tool holder has better dampening effect, smaller amplitude and reaches convergence point sooner. As for machining under the condition of long overhang and easy vibration, they can exert excellent performance and achieve higher dimensional accuracy and surface quality.



Under the same machining condition
the maximum overhang of
cemented carbide tool holder
can reach $L \leq 6D$, while the
recommended maximum overhang
of steel tool holder is $L \leq 3D$.





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TURNING

General Turning Tools

Corresponding tool holders of insert **CP** (Damping tool holder) S-type clamping

A

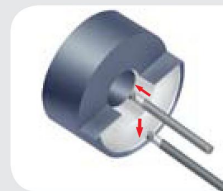
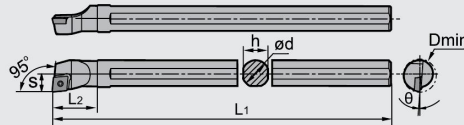
General turning

Internal Turning Tools(Damping Tool holder)

SCLPR/L
Kr:95°



R-type shown



Type	Stock		Basic dimensions(mm)							Screw	Wrench		
	R	L	Dmin	ød	s	L1	L2	h	θ				
C10M-SCLPR/L06	▲	△	12	10	6	150	17	9	-7°	I60M2.5×5.5	WT07IP		
C12Q-SCLPR/L06	△	△	16	12	8	180	20	11	-4°				
C16R-SCLPR/L09	▲	△	20	16	10	200	29	15	-4°	I60M3.5×8	WT15IP		
C20S-SCLPR/L09	△	△	25	20	13	250	35	18	-4°				

▲Stock available

△Make-to-order

Applicable inserts

Application	For extra finishing
Inserts shape	SF  A100
Tool holder type	
□□-SCLPR/L06	CP□□0602□□
□□-SCLPR/L09	CP□□09T3□□



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General Turning Tools

TURNING

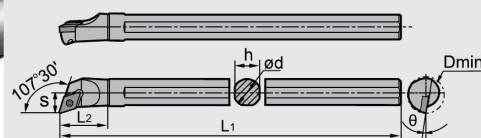
Corresponding tool holders of insert **DP** (Damping tool holder) S-type clamping

SDQPR/L

Kr:107°30'



R-type shown



Type	Stock		Basic dimensions(mm)							Screw	Wrench		
	R	L	Dmin	ød	s	L1	L2	h	θ				
C10M-SDQPR/L07	▲	△	13	10	7	150	20	9	-8°	I60M2.5×5.5	WT07IP		
C12Q-SDQPR/L07	△	△	16	12	9	180	22	11	-8°				
C16R-SDQPR/L07	△	△	20	16	11	200	27	15	-6°				
C16R-SDQPR/L11	△	△	20	16	11	200	32	15	-6°	I60M3.5×8	WT15IP		
C20S-SDQPR/L11	▲	△	25	20	13	250	33	18	-6°				

▲Stock available

△Make-to-order

Applicable inserts

Application	For extra finishing
Inserts shape	SF  A101
Tool holder type	
□□-SDQPR/L07	DP□□0702□□
□□-SDQPR/L11	DP□□11T3□□

A

General turning

Internal Turning Tools(Damping Tool holder)



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TURNING

General Turning Tools

Corresponding tool holders of insert **DP** (Damping tool holder) S-type clamping

A

General turning

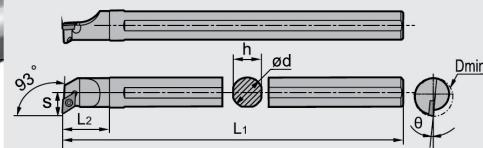
Internal Turning Tools(Damping Tool holder)

SDUPR/L

Kr:93°



R-type shown



Type	Stock		Basic dimensions(mm)							Screw	Wrench		
	R	L	Dmin	ød	s	L1	L2	h	θ				
C10M-SDUPR/L07	△	△	15	10	9	150	18	9	-8°	I60M2.5×5.5 I60M2.5×6.5	WT07IP		
C12Q-SDUPR/L07	△	△	16	12	9	180	19	11	-8°				
C16R-SDUPR/L07	△	△	20	16	11	200	25	15	-6°				

▲Stock available

△Make-to-order

Applicable inserts

Application	For extra finishing
Inserts shape	SF  A101
Tool holder type	DP□□0702□□



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General Turning Tools

TURNING

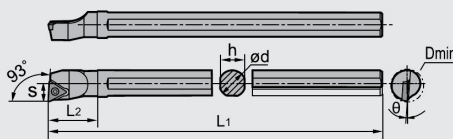
Corresponding tool holders of insert **TP** (Damping tool holder) S-type clamping

STUPR/L

Kr:93°



R-type shown



Type	Stock		Basic dimensions(mm)							Screw	Wrench		
	R	L	Dmin	ød	s	L1	L2	h	θ				
C10M-STUPR/L09	▲	△	12	10	6	150	20	9	-6°	I60M2.2×5.5	WT07IP		
C12Q-STUPR/L09	▲	△	16	12	8	180	22	11	-4°				
C12Q-STUPR/L11	▲	△	16	12	8	180	25	11	-4°	I60M2.5×6.5	WT07IP		
C16R-STUPR/L11	▲	△	20	16	10	250	27	15	-3°				

▲Stock available

△Make-to-order

Applicable inserts

Application	For extra finishing
Inserts shape	SF  A104
Tool holder type	
□□-STUPR/L09	TP□□0902□□
□□-STUPR/L11	TP□□1103□□

A

General turning

Internal Turning Tools(Damping Tool holder)



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TURNING

General Turning Tools

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General turning

Internal Turning Tools(Damping Tool holder)

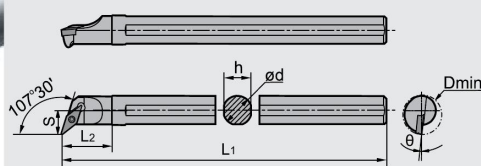
Corresponding tool holders of insert VC□□ (Damping tool holder) S-type clamping

SVQCR/L

Kr:107°30'



R-type shown



Type	Stock		Basic dimensions(mm)							Screw	Wrench		
	R	L	Dmin	ød	s	L1	L2	h	θ				
C16R-SVQCR/L11	△	△	22	16	13	200	28	15	-6°	I60M2.5×6.5	WT07IP		
C20S-SVQCR/L11	△	△	26	20	15	250	32	18	-4°				

▲Stock available

△Make-to-order

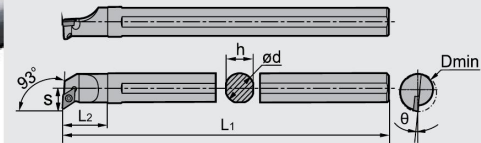
Corresponding tool holders of insert VC□□ (Damping tool holder) S-type clamping

SVUCR/L

Kr:93°



R-type shown



Type	Stock		Basic dimensions(mm)							Screw	Wrench		
	R	L	Dmin	ød	s	L1	L2	h	θ				
C16R-SVUCR/L11	△	△	24	16	15	200	25	15	-6°	I60M2.5×6.5	WT07IP		
C20S-SVUCR/L11	△	△	28	20	17	250	30	18	-4°				

▲Stock available

△Make-to-order

Applicable inserts

Application		For extra finishing	For finishing	For AI machining
Inserts shape	SF  A95	HF  A98	LH  A96	
Tool holder type	□□-SVQCR/L11	VC□□1103□□	VC□□1103□□	VCGX1103□□
	□□-SVUCR/L11	VC□□1103□□	VC□□1103□□	VCGX1103□□