

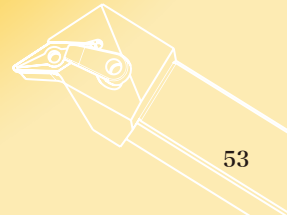
# C

## Turning Tool Holder

Turning Tool Holder Identification System 54

Tool Holder Series 55-57

ECKN	58	EVJN	74	STEP	89
ECLN	59	EVQN	75	STFP	89
ECMNN	60	EVVN	76	SVJB	90
ECMNN-A	60	EVVNR	77	SVKB	91
ECRN	61	EVLN	78	SVQB	92
EDJN	62	SCLC	79	SVUB	93
EDNN	63	SCNC	80	SVVB	93
EDQN	64	SDJC	81	SVJN	94
ESBN	65	SDNC	82	SVJC	95
ESDN	66	SDQC	82	SVKC	96
ESKN	67	SRAC	83	SVQC	97
ESSN	68	SRAC	84	SVUC	97
ETEN	69	<b>NEW</b> SRDC	85	SVVCR	98
ETFN	70	SRGC	86	SVVC	98
ETGN	71	SSSC	87	SWAC	99
ETJN	72	STEC	88	SE	100
ETQN	73	STFC	88	ESE	100
ETXN	73			EWT1	101



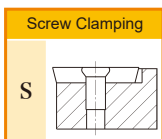
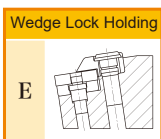
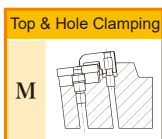
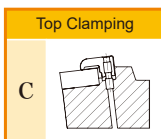
## Turning Tool Holder Identification System

# E C L N R 25 25 M 12





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<b>1</b> Clamping system	<b>2</b> Insert shape	<b>3</b> Toolholder shape	<b>4</b> Relief angle	<b>5</b> Version	<b>6</b> Shank Height	<b>8</b> Shank Width	<b>10</b> Tool Length	<b>11</b> Cutting Edge Length
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### 1 Clamping system









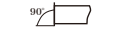
















### 4 Relief Angle

Sign	Relief Angle
<b>B</b>	
<b>C</b>	
<b>N</b>	
<b>P</b>	




### 2 Insert Shape

Sign	Insert shape	Angle
<b>R</b>		—
<b>S</b>		90°
<b>T</b>		60°
<b>K</b>		80°
<b>C</b>		55°
<b>D</b>		75°
<b>E</b>		55°
<b>V</b>		35°
<b>W</b>		80°

### 3 Toolholder Shape

Sign	Toolholder Shape	Sign	Toolholder Shape	Sign	Toolholder Shape
<b>A</b>		<b>J</b>		<b>S</b>	
<b>B</b>		<b>K</b>		<b>T</b>	
<b>C</b>		<b>L</b>		<b>U</b>	
<b>D</b>		<b>M</b>		<b>V</b>	
<b>E</b>		<b>N</b>		<b>W</b>	
<b>F</b>		<b>P</b>		<b>X</b>	Special
<b>G</b>		<b>Q</b>		<b>Y</b>	
<b>H</b>		<b>R</b>		<b>Z</b>	

### 5 Version

Sign	Direction
<b>R</b>	
<b>N</b>	
<b>L</b>	

### 6 7 Shank Height



### 8 9 Shank Width

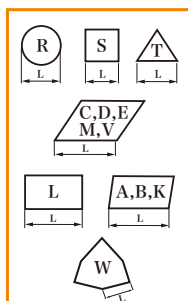


### 10 Tool Length



Sign	Tool Length	Sign	Tool Length	Sign	Tool Length
<b>A</b>	32	<b>J</b>	110	<b>S</b>	250
<b>B</b>	40	<b>K</b>	125	<b>T</b>	300
<b>C</b>	50	<b>L</b>	140	<b>U</b>	350
<b>D</b>	60	<b>M</b>	150	<b>V</b>	400
<b>E</b>	70	<b>N</b>	160	<b>W</b>	450
<b>F</b>	80	<b>P</b>	170	<b>Y</b>	500
<b>G</b>	90	<b>Q</b>	180	<b>X</b>	Special
<b>H</b>	100	<b>R</b>	200		



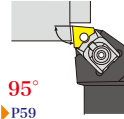
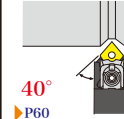
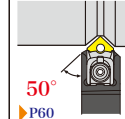
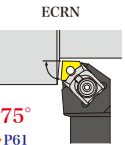
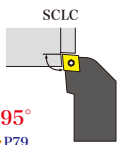
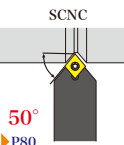

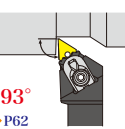
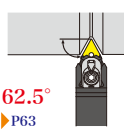

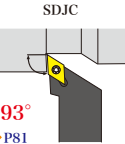
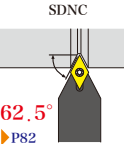
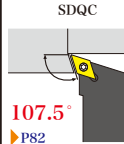

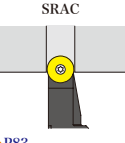
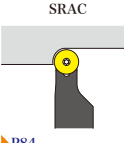
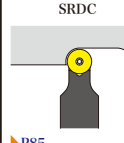
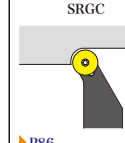



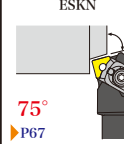
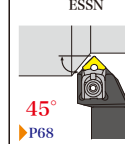
### 11 12 Cutting Edge Length



Integers to be preceded by 0  
e.g.:h=8mm indicated by 08

Note! Letter symbol in 10th position can be replaced by a dash for standard length tools.





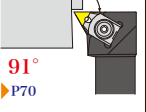
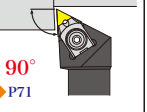
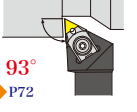
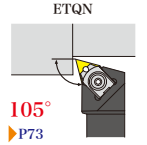
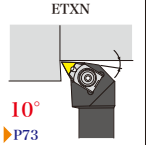
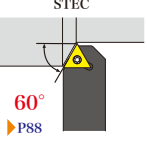
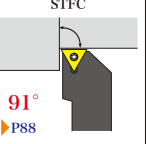
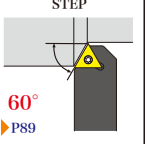
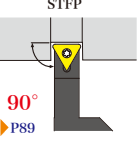

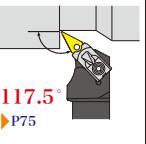
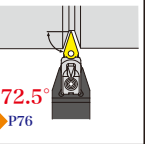
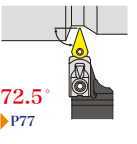
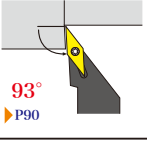
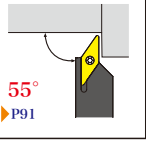
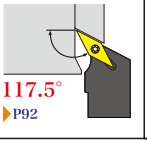
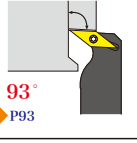
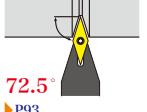
## Tool Holder Series

Insert Type	Structure	Tooling			
 <p>80° Diamond Type C</p>	Double Clamp	 <p>ECKN 75° ▶ P58</p>	 <p>ECLN 95° ▶ P59</p>	 <p>ECMNN 40° ▶ P60</p>	 <p>ECMNN-A 50° ▶ P60</p>
		 <p>ECRN 75° ▶ P61</p>			
	Screw-on	 <p>SCLC 95° ▶ P79</p>	 <p>SCNC 50° ▶ P80</p>		
 <p>55° Diamond Type D</p>	Double Clamp	 <p>EDJN 93° ▶ P62</p>	 <p>EDNN 62.5° ▶ P63</p>	 <p>EDQN 107.5° ▶ P64</p>	
	Screw-on	 <p>SDJC 93° ▶ P81</p>	 <p>SDNC 62.5° ▶ P82</p>	 <p>SDQC 107.5° ▶ P82</p>	
 <p>Round Type R</p>	Screw-on	 <p>SRAC ▶ P83</p>	 <p>SRAC ▶ P84</p>	 <p>SRDC ▶ P85</p>	 <p>SRGC ▶ P86</p>
 <p>Square Type S</p>	Double Clamp	 <p>ESBN 75° ▶ P65</p>	 <p>ESDN 45° ▶ P66</p>	 <p>ESKN 75° ▶ P67</p>	 <p>ESSN 45° ▶ P68</p>

**C**  
TOOL HOLDER


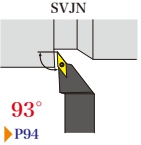
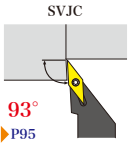

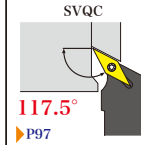
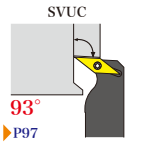
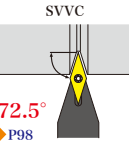
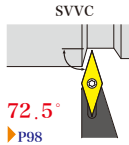

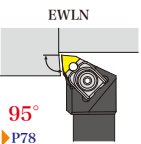


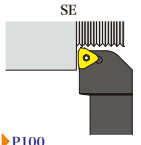

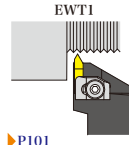
- C** 
- D** 
- E** 
- R** 
- S** 
- T** 
- M** 
- V** 
- W** 
- ER/IR** 
- S** 
- MTT** 

TOOL HOLDER

Insert Type	Structure	Tooling					
 Square Type <b>S</b>	Screw-on	SSSC  <b>45°</b> ▶ P87					
		 Triangular Type <b>T</b>	Double Clamp	ETEN  <b>60°</b> ▶ P69	ETFN  <b>91°</b> ▶ P70	ETGN  <b>90°</b> ▶ P71	ETJN  <b>93°</b> ▶ P72
ETQN  <b>105°</b> ▶ P73	ETXN  <b>10°</b> ▶ P73						
Screw-on	STEC  <b>60°</b> ▶ P88			STFC  <b>91°</b> ▶ P88	STEP  <b>60°</b> ▶ P89	STFP  <b>90°</b> ▶ P89	
	Double Clamp			EVJN  <b>93°</b> ▶ P74	EVQN  <b>117.5°</b> ▶ P75	EVVN  <b>72.5°</b> ▶ P76	EVVNR  <b>72.5°</b> ▶ P77
			Screw-on	SVJB  <b>93°</b> ▶ P90	SVKB  <b>55°</b> ▶ P91	SVQB  <b>117.5°</b> ▶ P92	SVUB  <b>93°</b> ▶ P93
				SVVB  <b>72.5°</b> ▶ P93			

**C**  
 TOOL HOLDER

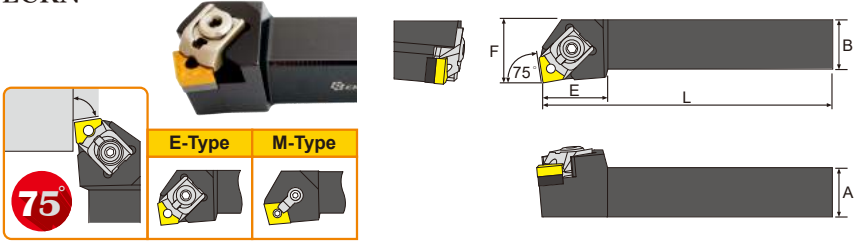
**C**  
**D**  
**E**  
**R**  
**S**  
**T**  
**M**  
**V**  
**W**  
**ER/IR**  
**S**  
**MTT**
**TOOL HOLDERS**

Insert Type	Structure	Tooling			
 35° Diamond Type V	Screw-on	 SVJN 93° ▶ P94	 SVJC 93° ▶ P95	 SVKC 55° ▶ P96	 SVQC 117.5° ▶ P97
		 SVUC 93° ▶ P97	 SVVC 72.5° ▶ P98	 SVVC 72.5° ▶ P98	
 Hexagon Type W	Double Clamp	 EVLN 95° ▶ P78			
	Screw-on	 SWAC ▶ P99			
 External Holder ER / IR	Screw-on	 SE ▶ P100	 ESE ▶ P100	 EWT1 ▶ P101	

C  
TOOL HOLDER

- C 
- D 
- E 
- R 
- S 
- T 
- M 
- V 
- W 
- ER/IR 
- S 
- MTT 
- 

TOOL HOLDER

**ECKN** Right Hand Show


Model No	Stock		A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Clasp	Wrench	Price
	R	L													
ECKNR/L-2020K12	●	●	20	20	125	32	25	CN□□ 1204□□	SMC -432	LW-4	CN12-4	CS80	C-6	LW030 LW040	
ECKNR/L-2525M12	●	●	25	25	150	32	32								
ECKNR/L-3232P12	●	●	32	32	170	32	40								

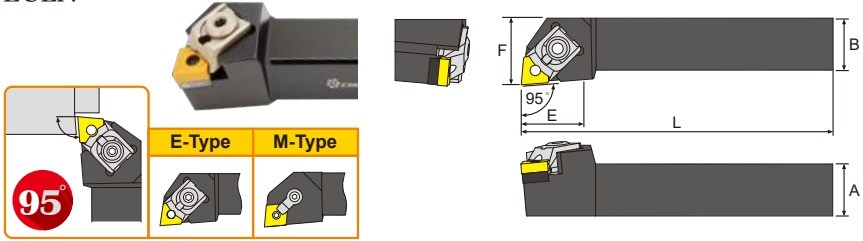
Model No	Stock		A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Wrench	Price
	R	L												
MCKNR/L-2020K12	●	●	20	20	125	32	25	CN□□ 1204□□	SMC-432	LCS-617	CP50-22	CS70-21	LW030	
MCKNR/L-2525M12	●	●	25	25	150	32	32					CS70-22		
MCKNR/L-3232P12	●	●	32	32	170	32	40							

- Recommend you to choose our patent products E-Type.
- Insert Detail : CN□□1204□□→Ref. Page-J

**C**  
 TOOL  
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**O**
**F**

# ECLN Right Hand Show



Model No	Stock		A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Clasp	Wrench	Price
	R	L													
ECLNR/L-2020K12	●	●	20	20	125	32	25	CN□□ 1204□□	SMC -432	LW-4	CN12-2	CS80	C-6	LW030	
ECLNR/L-2525M12	●	●	25	25	150	32	32							LW040	
ECLNR/L-3232P12	●	●	32	32	170	32	40	CN□□ 1606□□	SMC -416	LW-5	CN12-2	CS80	C-6	LW040	
ECLNR/L-2525M16	●	●	25	25	150	44	32							LW040	
ECLNR/L-3232P16	●	●	32	32	170	32	40	CN□□ 1204□□	SMC -432	LW-4	CN12-2	CS80	C-6	LW030	
*ECLNR/L 12-4B	●	●	19.05	19.05	114.3	32	25.4							LW040	
*ECLNR/L 16-4D	●	●	25.4	25.4	152.4	32	31.8	CN□□ 1606□□	SMC -416	LW-5	CN12-2	CS80	C-6	LW040	
*ECLNR/L 20-4D	●	●	31.75	31.75	152.4	32	38.1							LW040	
*ECLNR/L 16-5D	●	●	25.4	25.4	152.4	32	31.8	CN□□ 1204□□	SMC -432	LW-4	CN12-2	CS80	C-6	LW030	
*ECLNR/L 20-5D	●	●	31.75	31.75	152.4	32	38.1							LW040	

\*Imperial Dimension.

Model No	Stock		A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Wrench	Price
	R	L												
MCLNR/L-1616K12	●	●	16	16	125	32	20	CN□□ 1204□□	SMC-432	LCS-617	CP50-22	CS70-21	LW030 LW040	
MCLNR/L-2020K12	●	●	20	20	125	32	25					CS70-22		
MCLNR/L-2525M12	●	●	25	25	150	32	32							
MCLNR/L-3232P12	●	●	32	32	170	32	40							

●Recommend you to choose our patent products E-Type.

●Insert Detail : CN□□1204□□→Ref.Page-J









C  
TOOL HOLDER

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TOOL HOLDER

## ECMNN











Model No	Stock	A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Clasp	Wrench	Price
ECMNN-2020K12	●	20	20	125	32	25	 CN□□ 1204□□	 SMC -432	 LW-4	 CN12-2	 CS80	 C-6	 LW030 LW040	
ECMNN-2525M12	●	25	25	150	32	32								
ECMNN-3232P12	●	32	32	170	48	40								
ECMNN-2525M16	●	25	25	150	32	32								 CN□□ 1606□□

●Recommend you to choose our patent products E-Type.

●Insert Detail : CN□□1204□□→Ref.Page-J

## ECMNN-A



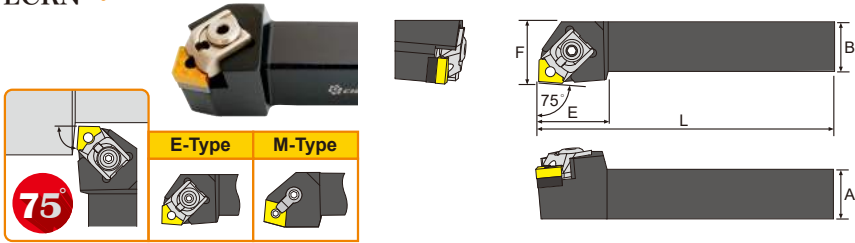
Model No	Stock	A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Clasp	Wrench	Price
ECMNN-2020K12A	●	20	20	125	32	25	 CN□□ 1204□□	 SMC -432	 LW-4	 CN12-4	 CS80	 C-6	 LW030 LW040	
ECMNN-2525M12A	●	25	25	150	32	32								
ECMNN-3232P12A	●	32	32	170	48	40								
ECMNN-2525M16A	●	25	25	150	32	32								 CN□□ 1606□□

●Recommend you to choose our patent products E-Type.

●Insert Detail : CN□□1204□□→Ref.Page-J



**ECRN** Right Hand Show



Model No	Stock		A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Clasp	Wrench	Price
	R	L													
ECRNR/L-2020K12	●	●	20	20	125	32	25	CN□□ 1204□□	SMC -432	LW-4	CN12-4	CS80	C-6	LW030 LW040	
ECRNR/L-2525M12	●	●	25	25	150	32	32								
ECRNR/L-3232P12	●	●	32	32	170	32	40								

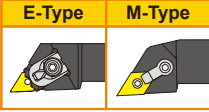
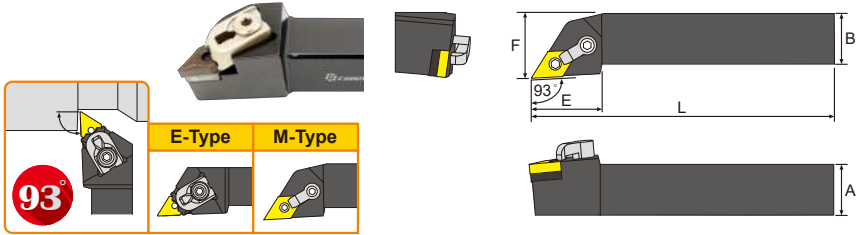
Model No	Stock		A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Wrench	Price
	R	L												
MCRNR/L-2020K12	●	●	20	20	125	32	25	CN□□ 1204□□	SMC-432	LCS-617	CP50-22	CS70-21	LW030	
MCRNR/L-2525M12	●	●	25	25	150	32	32					CS70-22		
MCRNR/L-3232P12	●	●	32	32	170	32	40							

- Recommend you to choose our patent products E-Type.
- Insert Detail : CN□□1204□□→Ref.Page-J

**C**  
TOOL HOLDER

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- S**
- MTT**

TOOL HOLDER

**EDJN** Right Hand Show


Model No	Stock		A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Clasp	Wrench	Price
	R	L													
EDJNR/L-2020K11	●	●	20	20	125	36	25	DN□□ 1104□□	SMD -363	LT-3	DN11	CS60E	C-5	LW025 LW030	
EDJNR/L-2525M11	●	●	25	25	150	36	32								
EDJNR/L-2020K15	●	●	20	20	125	44	25								
EDJNR/L-2525M15	●	●	25	25	150	44	32	DN□□ 1504□□	SMD -463	LD-1					
EDJNR/L-3232P15	●	●	32	32	170	44	40				DN15	CS80	C-6	LW025 LW040	
EDJNR/L-2020K15A	●	●	20	20	125	44	25								
EDJNR/L-2525M15A	●	●	25	25	150	44	32	DN□□ 1506□□	SMD -466	LW-4					
EDJNR/L-3232P15A	●	●	32	32	170	44	40								
*EDJNR/L 12-4B	●	●	19.05	19.05	114.3	32	25.4								
*EDJNR/L 16-4D	●	●	25.4	25.4	152.4	32	31.75	DN□□ 1504□□	SMD -463	LD-1	DN15	CS80	-	LW030 LW040	
*EDJNR/L 20-4D	●	●	31.75	31.75	152.4	32	38.10								

\*Imperial Dimension.

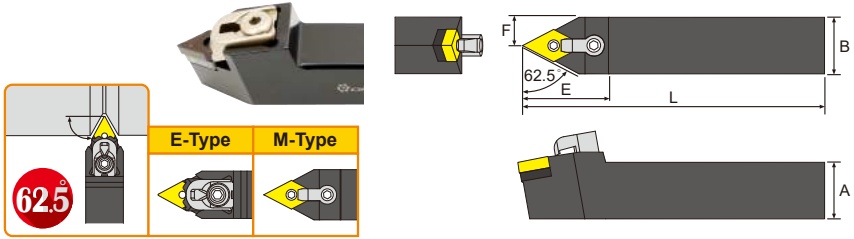
Model No	Stock		A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Wrench	Price
	R	L												
MDJNR/L-2020K15	●	●	20	20	125	36	25					CS70-21		
MDJNR/L-2525M15	●	●	25	25	150	40	32	DN□□ 1504□□	SMD -463			CS70-22		
MDJNR/L-3232P15	●	●	32	32	170	40	40							
MDJNR/L-2020K15A	●	●	20	20	125	36	25				LCS-619	CP50-24	LW030	
MDJNR/L-2525M15A	●	●	25	25	150	40	32	DN□□ 1506□□	SMD -466			CS70-21		
MDJNR/L-3232P15A	●	●	32	32	170	40	40					CS70-22		

●Recommend you to choose our patent products E-Type.

●DN□□1504 and DN□□1506 inserts can be use the same tool body.

●Insert Detail : DN□□1104□□、DN□□1504□□、DN□□1506□□→Ref.Page-M

# EDNN



Model No	Stock	A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Clasp	Wrench	Price
EDNNN-2020K15	●	20	20	125	48	10	DN□□ 1504□□	SMD -463	LD-1	DN15	CS80	C-6	LW030 LW040	
EDNNN-2525M15	●	25	25	150	48	12.5								
EDNNN-3232P15	●	32	32	170	48	16								
EDNNN-2020K15A	●	20	20	125	48	10	DN□□ 1506□□	SMD -466	LW-4					
EDNNN-2525M15A	●	25	25	150	48	12.5								
EDNNN-3232P15A	●	32	32	170	48	16								

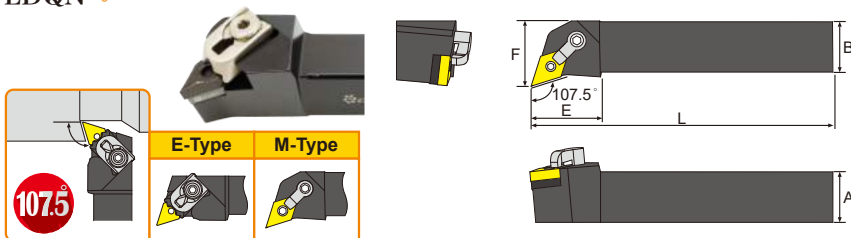
Model No	Stock	A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Wrench	Price
MDNNN-2020K15	●	20	20	125	41	10	DN□□ 1504□□	SMD-463	LCS-619	CP50-24	CS70-21	LW030	
MDNNN-2525M15	●	25	25	150	41	12.5							
MDNNN-3232P15	●	32	32	170	41	16							
MDNNN-2020K15A	●	20	20	125	41	10	DN□□ 1506□□	SMD-466			CS70-21		
MDNNN-2525M15A	●	25	25	150	41	12.5							
MDNNN-3232P15A	●	32	32	170	41	16							

- Recommend you to choose our patent products E-Type.
- DN□□1504 and DN□□1506 inserts can be use the same tool body.
- Insert Detail : DN□□1504□□、DN□□1506□□→Ref.Page-M

C  
TOOL HOLDER

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TOOL HOLDER

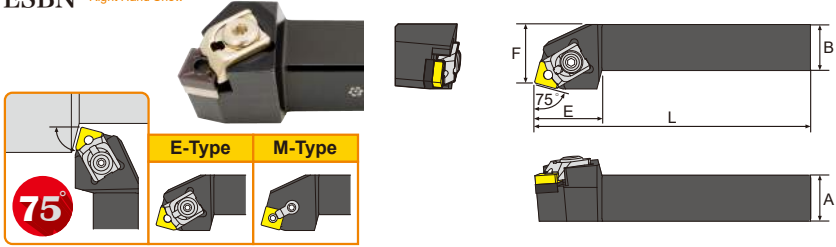
**EDQN** Right Hand Show


Model No	Stock		A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Clasp	Wrench	Price
	R	L													
EDQNR/L-2020K11	●	●	20	20	125	36	25	DN□□ 1104□□	SMD -363	LT-3	DN11	CS60E	C-5	LW025 LW030	
EDQNR/L-2525M11	●	●	25	25	150	36	32	DN□□ 1504□□	SMD -463	LD-1	DN15	CS80	C-6	LW030 LW040	
EDQNR/L-2525M15	●	●	25	25	150	44	32	DN□□ 1504□□	SMD -463	LD-1					
EDQNR/L-3232P15	●	●	32	32	170	44	40	DN□□ 1504□□	SMD -463	LW-4	DN15	CS80	C-6	LW030 LW040	
EDQNR/L-2525M15A	●	●	25	25	150	44	32	DN□□ 1506□□	SMD -466						LW-4
EDQNR/L-3232P15A	●	●	32	32	170	36	40	DN□□ 1506□□	SMD -466	LW-4					

Model No	Stock		A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Wrench	Price
	R	L												
MDQNR/L-2020K15	●	●	20	20	125	36	25	DN□□ 1504□□	SMD-463	LCS-619	CP50-24	CS70-21	LW030	
MDQNR/L-2525M15	●	●	25	25	150	36	32					CS70-22		
MDQNR/L-3232P15	●	●	32	32	170	36	40	DN□□ 1506□□	SMD-466	LCS-619	CP50-24	CS70-21	LW030	
MDQNR/L-2020K15A	●	●	20	20	125	36	25					CS70-22		
MDQNR/L-2525M15A	●	●	25	25	150	36	32	DN□□ 1506□□	SMD-466			CS70-22		
MDQNR/L-3232P15A	●	●	32	32	170	44	40	DN□□ 1506□□	SMD-466			CS70-22		

- Recommend you to choose our patent products E-Type.
- DN□□1504 and DN□□1506 inserts can be use the same tool body.
- Insert Detail : DN□□1104□□、DN□□1504□□、DN□□1506□□→Ref.Page-M

ESBN Right Hand Show



Model No	Stock		A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Clasp	Wrench	Price
	R	L													
ESBNR/L-2020K12	●	●	20	20	125	32	25								
ESBNR/L-2525M12	●	●	25	25	150	32	32	SN□□ 1204□□	SMS-432	LW-4	SN12	CS80	C-6	LW030 LW040	
ESBNR/L-3232P12	●	●	32	32	170	32	40								

Model No	Stock		A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Wrench	Price
	R	L												
MSBNR/L-2020K12	●	●	20	20	125	32	25					CS70-21		
MSBNR/L-2525M12	●	●	25	25	150	32	32	SN□□ 1204□□	SMS-432	LCS-617	CP50-22	CS70-22	LW030	
MSBNR/L-3232P12	●	●	32	32	170	32	40							

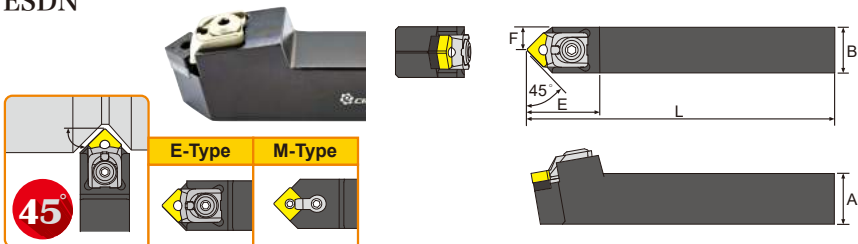
- Recommend you to choose our patent products E-Type.
- Insert Detail : SN□□1204□□→Ref.Page-Q








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TOOL HOLDER








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TOOL HOLDER

## ESDN



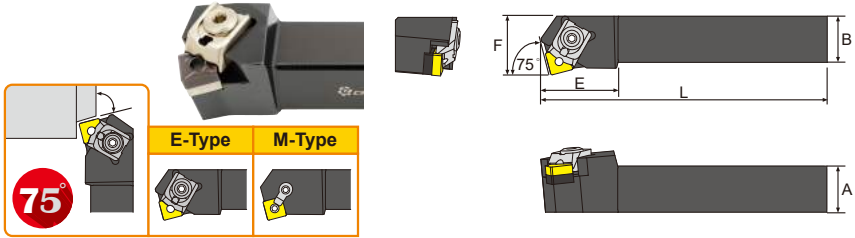
Model No	Stock	A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Clasp	Wrench	Price
ESDNN-2020K12	●	20	20	125	48	10	 SN□□ 1204□□	 SMS-432	 LW-4	 SN12	 CS80	 C-6	 LW030 LW040	
ESDNN-2525M12	●	25	25	150	48	12.5								
ESDNN-3232P12	●	32	32	170	48	16								

Model No	Stock	A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Wrench	Price
MSDNN-2020K12	●	20	20	125	34	10	 SN□□ 1204□□	 SMS-432	 LCS-617	 CP50-22	 CS70-21	 LW030	
MSDNN-2525M12	●	25	25	150	34	12.5							
MSDNN-3232P12	●	32	32	170	34	16							 CS70-22

● Recommend you to choose our patent products E-Type.

● Insert Detail : SN□□1204□□→Ref.Page-Q

**ESKN** Right Hand Show



Model No	Stock		A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Clasp	Wrench	Price
	R	L													
ESKNR/L-2020K12	●	●	20	20	125	32	25								
ESKNR/L-2525M12	●	●	25	25	150	32	32	SN□□ 1204□□	SMS -432	LW-4	SN12	CS80	C-6	LW030 LW040	
ESKNR/L-3232P12	●	●	32	32	170	32	40								

Model No	Stock		A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Wrench	Price
	R	L												
MSKNR/L-2020K12	●	●	20	20	125	32	25					CS70-21		
MSKNR/L-2525M12	●	●	25	25	150	32	32	SN□□ 1204□□	SMS-432	LCS-617	CP50-22	CS70-22	LW030	
MSKNR/L-3232P12	●	●	32	32	170	32	40							

- Recommend you to choose our patent products E-Type.
- Insert Detail : SN□□1204□□→Ref.Page-Q

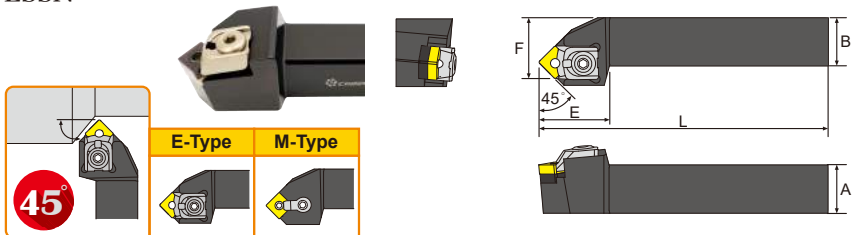
**C**  
TOOL HOLDER

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TOOL HOLDER

**ESSN** Right Hand Show


Model No	Stock		A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Clasp	Wrench	Price
	R	L													
ESSNR/L-2020K12	●	●	20	20	125	32	25								
ESSNR/L-2525M12	●	●	25	25	150	32	32	SN□□ 1204□□	SMS-432	LW-4	SN12	CS80	C-6	LW030 LW040	
ESSNR/L-3232P12	●	●	32	32	170	32	40								

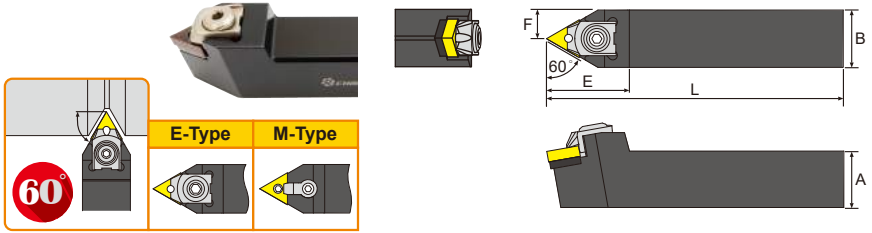
Model No	Stock		A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Wrench	Price
	R	L												
MSSNR/L-2020K12	●	●	20	20	125	32	25					CS70-21		
MSSNR/L-2525M12	●	●	25	25	150	32	32	SN□□ 1204□□	SMS-432	LCS-617	CP50-22	CS70-22	LW030	
MSSNR/L-3232P12	●	●	32	32	170	32	40							

● Recommend you to choose our patent products E-Type.

● Insert Detail : SN□□1204□□→Ref.Page-Q



# ETEN



Model No	Stock	A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Clasp	Wrench	Price
ETENN-2020K16	●	20	20	125	38	17.65	TN□□ 1604□□	SMT -322	LT-3	TN16-3	CS80	C-6	LW025 LW040	
ETENN-2525M16	●	25	25	150	42	20.15								

Model No	Stock	A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Wrench	Price
MTENN-2020K16	●	20	20	125	38	17.65	TN□□ 1604□□	SMT-322	LCS-513	CP50-22	CS70-21	LW020 LW030	
MTENN-2525M16	●	25	25	150	42	20.15					CS70-22		

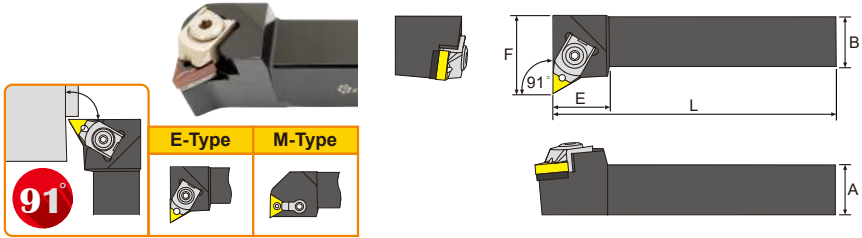
●Recommend you to choose our patent products E-Type.








●Insert Detail : TN□□1604□□→Ref.Page-T








C  
TOOL HOLDER

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- ER/IR
- MTT

TOOL HOLDER

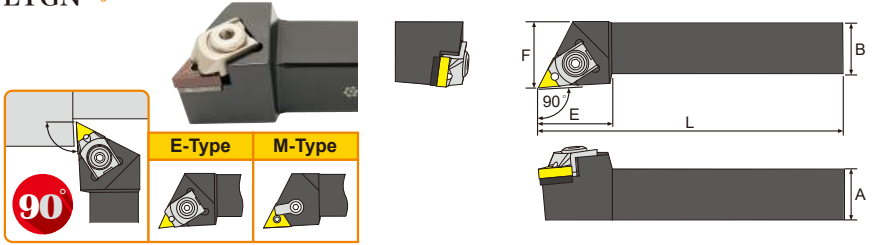
**ETFN** Right Hand Show


Model No	Stock		A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Clasp	Wrench	Price
	R	L													
ETFNR/L-2020K16	●	●	20	20	125	30	25	 TN□□ 1604□□	 SMT -322	 LT-3	 TN16-3	 CS80	 C-6	 LW025 LW040	
ETFNR/L-2525M16	●	●	25	25	150	32	32								
ETFNR/L2525M16A	●	●	25	25	150	32	32								
ETFNR/L-3232P16	●	●	32	32	170	32	40								

Model No	Stock		A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Wrench	Price
	R	L												
MTFNR/L-2020K16	●	●	20	20	125	32	25	 TN□□ 1604□□	 SMT-322	 LCS-513	 CP50-22	 CS70-21	 LW020 LW030	
MTFNR/L-2525M16	●	●	25	25	150	32	32					 CS70-22		
MTFNR/L-3232P16	●	●	32	32	170	32	40							

- Recommend you to choose our patent products E-Type.
- Insert Detail : TN□□1604□□→Ref.Page-T

# ETGN Right Hand Show



Model No	Stock		A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Clasp	Wrench	Price						
	R	L																			
ETGNR/L-1616K16	●	●	16	16	125	30	20	 TN□□ 1604□□	 SMT -322	 LT-4	 TN16-2	 CS60E	 C-5	 LW025 LW030							
ETGNR/L-2020K16	●	●	20	20	125	32	25									 LT-3	 TN16-3	 CS80	 C-6	 LW025 LW040	
ETGNR/L-2525M16	●	●	25	25	150	42	32														

Model No	Stock		A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Wrench	Price
	R	L												
MTGNR/L-1616K16	●	●	16	16	125	32	20	 TN□□ 1604□□	 SMT-322	 LCS-513	 CP50-22	 CS70-21	 LW020 LW030	
MTGNR/L-2020M16	●	●	20	20	150	32	25							
MTGNR/L-2525M16	●	●	25	25	150	32	32							

- Recommend you to choose our patent products E-Type.
- Insert Detail : TN□□1604□□→Ref.Page-T

**C**  
TOOL HOLDER

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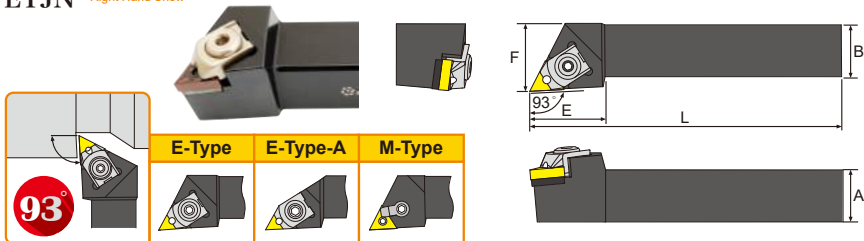
**S**








**W**







**ER/IR**

**MTT**







TOOL HOLDER

**ETJN** Right Hand Show


Model No	Stock		A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Clasp	Wrench	Price
	R	L													
ETJNR/L-1616K16	●	●	16	16	125	32	20								
ETJNR/L-2020K16	●	●	20	20	125	32	25								
ETJNR/L-2525M16	●	●	25	25	125	32	32								
ETJNR/L-3232P16	●	●	32	32	170	32	40								
ETJNR/L-2020K16A	●	●	20	20	125	32	25								
ETJNR/L-2525M16A	●	●	25	25	150	32	32								
ETJNR/L-3232P16A	●	●	32	32	170	32	40								

Model No	Stock		A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Wrench	Price
	R	L												
*ETJNR/L 12-3B	●	●	19.05	19.05	114.3	32	25.4							
*ETJNR/L 16-3D	●	●	25.4	25.4	152.4	32	31.8							
*ETJNR/L 20-3D	●	●	31.75	31.75	152.4	32	38.1							

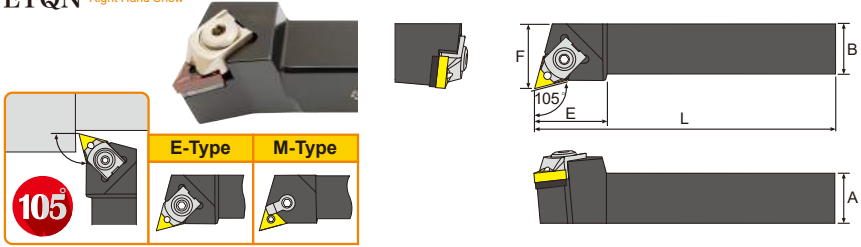
\*Imperial Dimension.

Model No	Stock		A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Wrench	Price
	R	L												
MTJNR/L-1616K16	●	●	16	16	125	32	20							
MTJNR/L-2020K16	●	●	20	20	125	32	25							
MTJNR/L-2525M16	●	●	25	25	150	32	32							
MTJNR/L-3232P16	●	●	32	32	170	32	40							

●Recommend you to choose our patent products E-Type.

●Insert Detail : TN□□1604□□→Ref.Page-T

## ETQN Right Hand Show

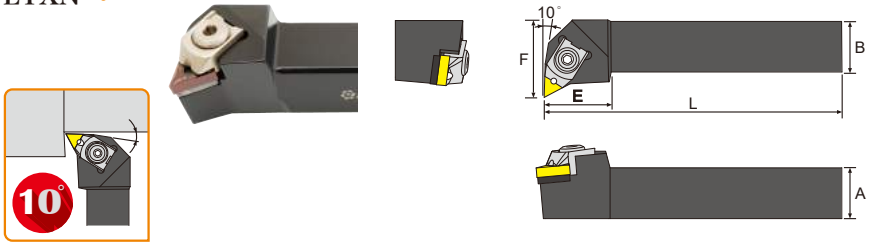


Model No	Stock		A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Clasp	Wrench	Price
	R	L													
ETQNR/L-2020K16	●	●	20	20	125	30	25	TN□□ 1604□□	SMT -322	LT-3	TN16-3	CS80	C-6	LW025 LW040	
ETQNR/L-2525M16	●	●	25	25	150	32	32								
ETQNR/L-3232P16	●	●	32	32	170	32	40								

Model No	Stock		A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Wrench	Price
	R	L												
MTQNR/L-2020K16	●	●	20	20	125	32	25	TN□□ 1604□□	SMT-322	LCS-513	CP50-22	CS70-21	LW020 LW030	
MTQNR/L-2525M16	●	●	25	25	150	32	32							
MTQNR/L-3232P16	●	●	32	32	170	32	40							

- Recommend you to choose our patent products E-Type.
- Insert Detail : TN□□1604□□→Ref.Page-T

## ETXN Right Hand Show



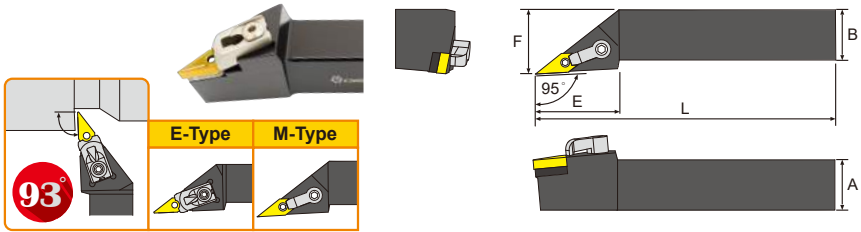
產品型號 Model No	Stock		A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Clasp	Wrench	Price
	R	L													
ETXNR/L-2020K16	●	●	20	20	125	32	25	TN□□ 1604□□	SMT -322	LT-3	TN16-3	CS80	C-6	LW025 LW040	
ETXNR/L-2525M16	●	●	25	25	150	32	32								
ETXNR/L-3232P16	●	●	32	32	170	32	40								

- Recommend you to choose our patent products E-Type.
- Insert Detail : TN□□1604□□→Ref.Page-T

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TOOL HOLDER

**EVJN** Right Hand Show


Model No	Stock		A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Clasp	Wrench	Price
	R	L													
EVJNR/L-2020K12	●	●	20	20	125	44	25	VN□□ 12T3□□	-	LT-1	VN12				
EVJNR/L-2525M12	●	●	25	25	150	44	32					CS60E	C-5	LW025 LW030	
EVJNR/L-2020K16	●	●	20	20	125	44	25	VN□□ 1604□□	SMV -322	LT-3	VN16				
EVJNR/L-2525M16	●	●	25	25	150	44	32					CS60E	C-5	LW025 LW030	
EVJNR/L-3232P16	●	●	32	32	170	47	40								
*EVJNR/L 12-3B	●	●	19.05	19.05	114.3	47	25.4								
*EVJNR/L 16-3D	●	●	25.4	25.4	152.4	47	31.8	VN□□ 1604□□	SMV -322	LT-3	VN16	CS60E	C-6	LW025 LW030	
*EVJNR/L 20-3D	●	●	31.75	31.75	152.4	47	38.1								

\*Imperial Dimension.

Model No	Stock		A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Wrench	Price
	R	L												
MVJNR/L-2020K16	●	●	20	20	125	44	25					CS70-21		
MVJNR/L-2525M16	●	●	25	25	150	40	32	VN□□ 1604□□	SMV-322	LCS-513	CP50-24		LW020 LW030	
MVJNR/L-3232P16	●	●	32	32	170	40	40					CS70-22		

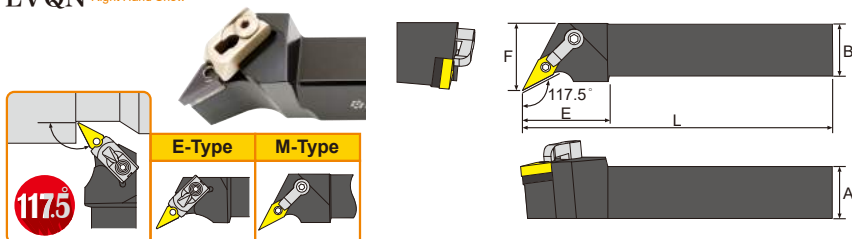
●Recommend you to choose our patent products E-Type.

●Insert Detail : VN□□1604□□→Ref.Page-W

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 TOOL HOLDER

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**MTT**
**TOP HOLDER**

# EVQN Right Hand Show



Model No	Stock		A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Clasp	Wrench	Price
	R	L													
EVQNR/L-2525M16	●	●	25	25	150	44	32	VN□□ 1604□□	SMV -322	LT-3	VN16	CS60E	C-5	LW025 LW030	
EVQNR/L-3232P16	●	●	32	32	170	44	40								

Model No	Stock		A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Wrench	Price
	R	L												
MVQNR/L-2020K16	●	●	20	20	125	40	25					CS70-21		
MVQNR/L-2525M16	●	●	25	25	150	40	32	VN□□ 1604□□	SMV-322	LCS-513	CP50-24		LW020 LW030	
MVQNR/L-3232P16	●	●	32	32	170	40	40					CS70-22		

● Recommend you to choose our patent products E-Type.

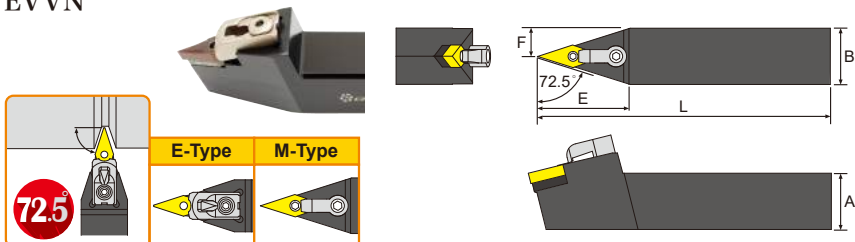
● Insert Detail : VN□□1604□□→Ref.Page-W

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# EVVN



Model No	Stock	A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Clasp	Wrench	Price
EVVNN-2020K16	●	20	20	125	48	10								
EVVNN-2525M16	●	25	25	150	48	12.5	VN□□ 1604□□	SMV -322	LT-3	VN16	CS60E	C-5	LW025 LW030	
EVVNN-3232P16	●	32	32	170	48	16								

Model No	Stock	A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Wrench	Price
MVVNN-2020K16	●	20	20	125	48	10					CS70-21		
MVVNN-2525M16	●	25	25	150	48	12.5	VN□□ 1604□□	SMV-322	LCS-513	CP50-24	CS70-22	LW020 LW030	
MVVNN-3232P16	●	32	32	170	48	16							

● Recommend you to choose our patent products E-Type.

● Insert Detail : VN□□1604□□→Ref.Page-W

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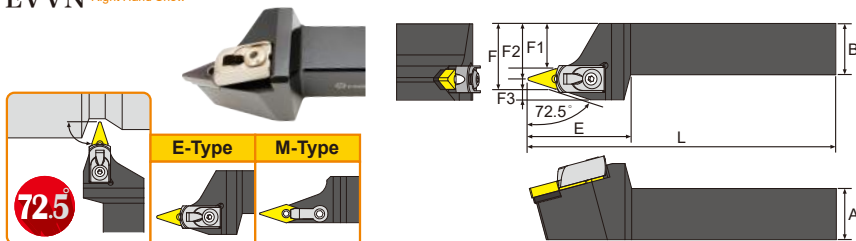
ER/IR

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TOOL  
HOLDER



## EVVN Right Hand Show



Model No	Stock		A	B	L	E	F	F1	F2	F3	Insert	Price
	R	L										
EVVNR-2020K16	●	●	20	20	125	48	25	15.09	20.045	4.2	VN□□ 1604□□	
EVVNR-2525M16	●	●	25	25	150	48	32	22.09	27.045	5.2		

## Tool Attachment

Model No	Shim	Screw of shim	Clamp	Screw	Clasp	Wrench
EVVNR-2020K16						
EVVNR-2525M16	SMV-322	LT-3	VN16	CS60E	C-5	LW025 LW030

Model No	Stock		A	B	L	E	F	F1	F2	F3	Insert	Price
	R	L										
MVVNR-2020K16	●	●	20	20	125	48	25	15.09	20.045	3.4	VN□□ 1604□□	
MVVNR-2525M16	●	●	25	25	150	48	32	22.045	27.045	2.5		

## Tool Attachment

Model No	Shim	Screw of shim	Clamp	Screw	Wrench
MVVNR-2020K16					
MVVNR-2525M16	SMV-322	LCS-513	CP50-24	CS70-21 CS70-22	LW020 LW030

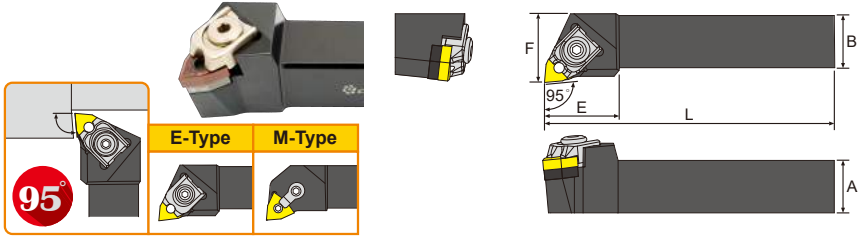
● Recommend you to choose our patent products E-Type.

● Insert Detail : VN□□1604□□→Ref.Page-W

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TOOL HOLDER

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- ER/IR
- S
- MTT

TOOL HOLDER

**EWLNR** Right Hand Show

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 TOOL HOLDER

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**MTT**
**S**
**TOP HOLDER**

Model No	Stock		A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Clasp	Wrench	Price
	R	L													
EWLNR/L-2020K06	●	●	20	20	125	30	25	WN□□ 0604□□	SMW -406	LT-3	WN06-2	CS60E	C-5	LW025 LW030	
EWLNR/L-2525M06	●	●	25	25	150	32	32								
EWLNR/L-2020K08	●	●	20	20	125	32	25								
EWLNR/L-2525M08	●	●	25	25	150	32	32	WN□□ 0804□□	SMW -422	LW-4	WN08-4	CS80	C-6	LW030 LW040	
EWLNR/L-3232P08	●	●	32	32	170	32	40								
*EWLNR/L 12-4B	●	●	19.05	19.05	114.3	32	25.4								
*EWLNR/L 16-4D	●	●	25.4	25.4	152.4	32	31.8	WN□□ 0804□□	SMW -422	LW-4	WN08-4	CS80	C-6	LW030 LW040	
*EWLNR/L 20-4D	●	●	31.75	31.75	152.4	32	38.1								

\*Imperial Dimension.

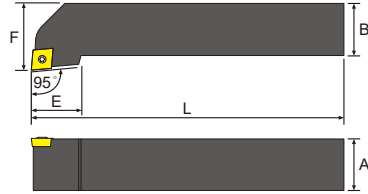
Model No	Stock		A	B	L	E	F	Insert	Shim	Screw of shim	Clamp	Screw	Wrench	Price
	R	L												
MWLNR/L-2020K08	●	●	20	20	125	32	25					CS70-21		
MWLNR/L-2525M08	●	●	25	25	150	32	32	WN□□ 0804□□	SMW-422	LCS-617	CP50-22	CS70-22	LW030	
MWLNR/L-3232P08	●	●	32	32	170	32	40							

●Recommend you to choose our patent products E-Type.

●Insert Detail : WM□□0804□□→Ref.Page-X

# SCLC Right Hand Show

 **New Specification Arrival**



Model No	Stock		A	B	L	E	F	Insert	Screw	Wrench	Price
	R	L									
SCLCR/L-0808K06	●	●	8	8	125	8	10	CC□□ 0602□□	CS25	T-8	
SCLCR/L-1010K06	●	●	10	10	125	10	12				
<b>NEW</b> SCLCR/L-1212K06	●	●	12	12	125	16	16				
<b>NEW</b> SCLCR/L-1616K06	●	●	16	16	125	20	20	CC□□ 09T3□□	CS35	T-15	
SCLCR/L-1212K09	●	●	12	12	125	16	16				
SCLCR/L-1616K09	●	●	16	16	125	20	20				
SCLCR/L-2020K09	●	●	20	20	125	22	25	CC□□ 1204□□	CS45		
SCLCR/L-2525M09	●	●	25	25	150	22	32				
SCLCR/L-2020K12	●	●	20	20	125	30	25				
SCLCR/L-2525M12	●	●	25	25	150	22	32				

●Insert Detail : CC□□0602□□、CC□□09T3□□、CC□□1204□□→Ref.Page-I

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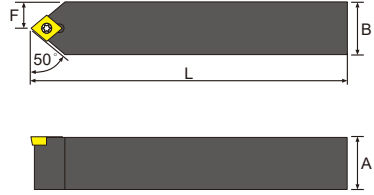
**ER/IR**  
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**S**

TOOL  
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# SCNC



**C**  
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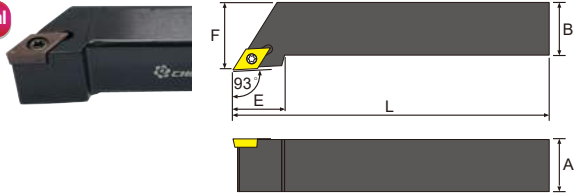
**TOOL  
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


Model No	Stock		A	B	L	F	Insert	Screw	Wrench	Price
	R	L								
SCNCN-1010K06	●	●	10	10	125	5	CC□□ 0602□□	CS25	T-15	
SCNCN-1212K09	●	●	12	12	125	6	CC□□ 09T3□□	CS35		
SCNCN-1616K09	●	●	16	16	125	8				
SCNCN-2020K09	●	●	20	20	125	10				
SCNCN-2525M09	●	●	25	25	150	12.5	CC□□ 1204□□	CS45		
SCNCN-2020K12	●	●	20	20	125	10				
SCNCN-2525M12	●	●	25	25	150	12.5				

●Insert Detail : CC□□0602□□、CC□□09T3□□、CC□□1204□□→Ref.Page-I

# SDJC Right Hand Show

 New Specification Arrival



Model No	Stock		A	B	L	E	F	Insert 	Screw 	Wrench 	Price
	R	L									
SDJCR/L-0808K07	●	●	8	8	125	12	10	DC□□ 0702□□	CS25	T-8	
SDJCR/L-1010K07	●	●	10	10	125	14	12				
SDJCR/L-1212K07	●	●	12	12	125	18	16				
<b>NEW</b> SDJCR/L-1616K07	●	●	16	16	125	22	20	DC□□ 11T3□□	CS35	T-15	
SDJCR/L-1212K11	●	●	12	12	125	18	16				
SDJCR/L-1616K11	●	●	16	16	125	22	20				
SDJCR/L-2020K11	●	●	20	20	125	22	25				
SDJCR/L-2525M11	●	●	25	25	150	22	32				

●Insert Detail : DC□□0702□□、DC□□11T3□□→Ref.Page-L

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- ER/IR 
- MTT 

TOOL HOLDER

## SDNC



Model No	Stock	A	B	L	F	Insert	Screw	Wrench	Price
SDNCN-0808K07	●	8	8	125	4	DC□□ 0702□□	CS25	T-8	
SDNCN-1010K07	●	10	10	125	5	DC□□ 11T3□□	CS35	T-15	
SDNCN-1212K11	●	12	12	125	6				
SDNCN-1616K11	●	16	16	125	8				
SDNCN-2020K11	●	20	20	125	10				
SDNCN-2525M11	●	25	25	150	12.5				

●Insert Detail : DC□□0702□□、DC□□11T3□□→Ref.Page-L

## SDQC Right Hand Show



Model No	Stock		A	B	L	E	F	Insert	Screw	Wrench	Price
	R	L									
SDQCR/L-1010K07	●	●	10	10	125	14	12	DC□□ 0702□□	CS25	T-8	
SDQCR/L-1212K07	●	●	12	12	125	18	16	DC□□ 11T3□□	CS35	T-15	
SDQCR/L-1212K11	●	●	12	12	125	18	16				
SDQCR/L-1616K11	●	●	16	16	125	30	20				
SDQCR/L-2020K11	●	●	20	20	125	30	25				
SDQCR/L-2525M11	●	●	25	25	150	30	32				

●Insert Detail : DC□□0702□□、DC□□11T3□□→Ref.Page-L

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HOLDER

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W

ER/IR

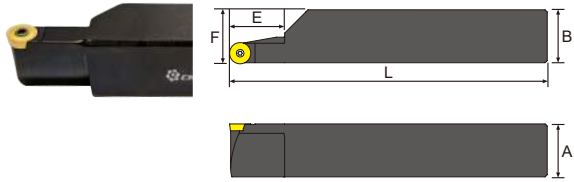
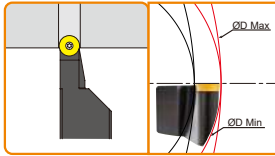
MTT




S

TOOL  
HOLDER

**SRAC** Right Hand Show

 **New Arrival**

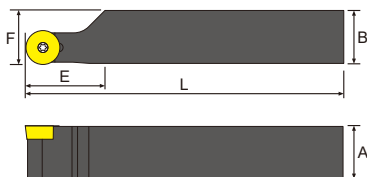
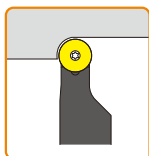


Model No	Stock		A	B	ØD Max	ØD Min	L	E	F	Insert	Screw	Wrench	Price
	R	L											
<b>NEW</b> SRACR/L-2525M10-R50	●	●	25	25	R125	R50	150	26	25.5	RC□□ 1003□□	CS30	T-10	

**C**  
TOOL HOLDER

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- E** 
- RC** 
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- W** 
- S** 
- ER/IR 
- MTT 

TOOL HOLDER

**SRAC** Right Hand Show

**C**  
 TOOL HOLDER

**C**  
 D E

**RC**  
 S

**S**  
 T M

**V**  
 W

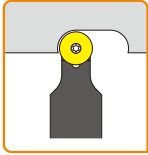
**ER/IR**  
**S**
**MTT**
**Top Holder**

Model No	Stock		A	B	L	E	F	Insert	Screw	Wrench	Price	
	R	L										
SRACR/L-3.3K06	●	●	9.52	9.52	125	16	9.9	RC□□ 0602□□	CS25	T-8		
SRACR/L-1010K06	●	●	10	10	125	11	10					
SRACR/L-1212K06	●	●	12	12	125	14	12.3					
SRACR/L-1616K06	●	●	16	16	125	14	16.3					
SRACR/L-2020K06	●	●	20	20	125	12	20.4					
SRACR/L-2525M06	●	●	25	25	150	12	25.4					
SRACR/L-3.3K08	●	●	9.52	9.52	125	20	9.9	RC□□ 0803□□	CS30	T-10		
SRACR/L-3.4K08	●	●	9.52	12.7	125	25	13.1					
SRACR/L-4.4K08	●	●	12.7	12.7	125	16	13.1					
SRACR/L-1212K08	●	●	12	12	125	16	12.4					
SRACR/L-1616K08	●	●	16	16	125	16	16.4					
SRACR/L-2020K08	●	●	20	20	125	16	20.4					
SRACR/L-2525M08	●	●	25	25	150	16	25.4	RC□□ 1003□□	CS35	T-15		
SRACR/L-1212K10	●	●	12	12	125	12	12.4					
SRACR/L-1616K10	●	●	16	16	125	16	16.4					
SRACR/L-2020K10	●	●	20	20	125	20	20.4					
SRACR/L-2525M10	●	●	25	25	150	20	25.4					
SRACR/L-2525M10T3	●	●	25	25	150	20	25.4				RC□□ 10T3□□	CH40
SRACR/L-2525M12	●	●	25	25	150	20	25.4	RC□□ 1204□□				

●Insert Detail : RC□□0803□□、RC□□10T3□□、RC□□1204□□→Ref.Page-N



# SRDC



Model No	Stock	A	B	L	E	F	Insert	Screw	Wrench	Price		
SRDCN-1010K06	●	10	10	125	12	5	RC□□ 0602□□	CS25	T-8			
SRDCN-1212K06	●	12	12	125	12	6						
SRDCN-1616K06	●	16	16	125	12	8						
SRDCN-2020K06	●	20	20	125	12	10						
SRDCN-2525M06	●	25	25	150	12	12.5						
SRDCN-1010K08	●	10	10	125	16	5	RC□□ 0803□□	CS30	T-10			
SRDCN-1212K08	●	12	12	125	16	6						
SRDCN-1616K08	●	16	16	125	16	8						
SRDCN-2020K08	●	20	20	125	16	10						
SRDCN-2525M08	●	25	25	150	16	12.5						
SRDCN-1010K10	●	10	10	125	20	5	RC□□ 1003□□	CS30	T-10			
SRDCN-1212K10	●	12	12	125	20	6						
SRDCN-1616K10	●	16	16	125	20	8						
SRDCN-2020K10	●	20	20	125	20	10						
SRDCN-2525M10	●	25	25	150	20	12.5						

●Insert Detail : RC□□0803□□、RC□□10T3□□、RC□□1204□□→Ref.Page-N

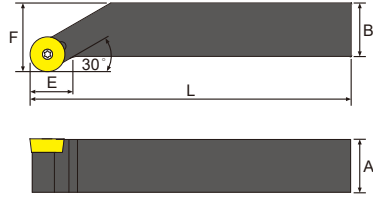
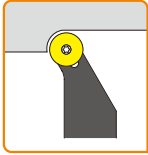
**C**  
TOOL HOLDER

C  
D  
E

**RC**  
S  
T  
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**S**  
W  
ER/IR  
MTT

**TOOL HOLDER**

**SRGC** Right Hand Show

**C**  
 TOOL HOLDER

**C**  
 D E

**RC**  
 S

**S**  
 T M

**V**  
 W

**W**  
 ER/IR S

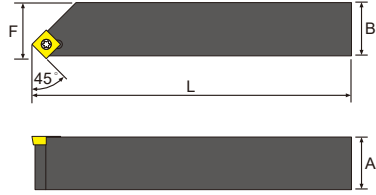
**MTT**  
 S

Top Holder

Model No	Stock		A	B	L	E	F	Insert	Screw	Wrench	Price		
	R	L											
SRGCR/L-1212K06	●	●	12	12	125	11	16	RC□□ 0602□□	CS25	T-8			
SRGCR/L-1616K06	●		16	16	125	14	20						
SRGCR/L-2020K06	●	●	20	20	125	14	25						
SRGCR/L-2525M06	●	●	25	25	150	14	32						
SRGCR/L-1616K08	●		16	16	125	16	20	RC□□ 0803□□	CS30	T-10			
SRGCR/L-2020K08	●	●	20	20	125	16	25						
SRGCR/L-2525M08	●	●	25	25	150	20	32						
SRGCR/L-2020K10	●	●	20	20	125	16	25	RC□□ 1003□□	CS35	T-15			
SRGCR/L-2525M10			25	25	150	20	32						
SRGCR/L-2020K10T3			20	20	125	16	25	RC□□ 10T3□□	CS35				
SRGCR/L-2020K12	●	●	20	20	125	1	25	RC□□ 1204□□	CH40	T-15			
SRGCR/L-2525M12	●	●	25	25	150	20	32						
SRGCR/L-2020K16	●	●	20	20	125	16	25	RC□□ 1606□□	CS45	T-15			
SRGCR/L-2525M16			25	25	150	20	32						

●Insert Detail : RC□□0803□□、RC□□10T3□□、RC□□1204□□、RC□□1606□□→Ref.Page-N

**SSSC** Right Hand Show



Model No	Stock		A	B	L	F	Insert	Screw	Wrench	Price
	R	L								
SSSCR-1212K09	●	●	12	12	125	13	SC□□ 09T3□□	CS35	T-15	
SSSCR-1616K09	●	●	16	16	125	17				
SSSCR-2020K09	●	●	20	20	125	21				
SSSCR-2525M09	●	●	25	25	150	26				

●Insert Detail : SC□□09T3□□→Ref. Page-P

**C**  
TOOL HOLDER

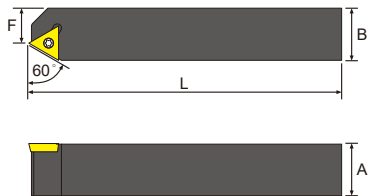
**E**

**M**

**S**

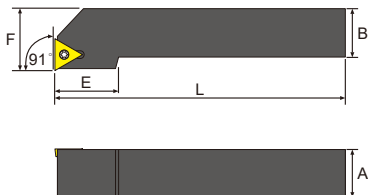
**W**  
ER/IR  
MTT

TOOL HOLDER

**STEC** Right Hand Show

**C**  
 TOOL  
 HOLDER

Model No	Stock		A	B	L	F	Insert	Screw	Wrench	Price
	R	L								
STECR/L-2020K11	●	●	20	20	125	14.5	TC□□ 1102□□	CS25	T-8	
STECR/L-2525M11	●	●	25	25	125	19.5				
STECR/L-2020K16	●	●	20	20	125	12	TC□□ 16T3□□	CS35	T-15	
STECR/L-2525M16	●	●	25	25	150	17				

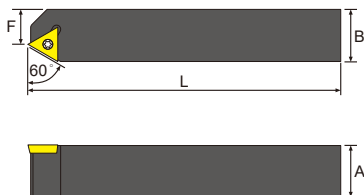
●Insert Detail : TC□□1102□□、TC□□16T3□□→Ref.Page-S

**D**  
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**ER/IR**  
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**O**  
**L**  
**D**  
**E**
**STFC** Right Hand Show


Model No	Stock		A	B	L	E	F	Insert	Screw	Wrench	Price
	R	L									
STFCR/L-1212K11	●	●	12	12	125	14	16	TC□□ 1102□□	CS25	T-8	
STFCR/L-1616K11	●	●	16	16	125	14	20				
STFCR/L-2020K16	●	●	20	20	125	22	25	TC□□ 16T3□□	CS40	T-15	
STFCR/L-2525M16	●	●	25	25	125	30	32				

●Insert Detail : TC□□1102□□、TC□□16T3□□→Ref.Page-S

## STEP Right Hand Show



Model No	Stock		A	B	L	F	Insert	Screw	Wrench	Price
	R	L								
STEPR/L-2020K11	●	●	20	20	125	14.5	TP□□ 1103□□	CS30	T-10	
STEPR/L-2525M11	●	●	25	25	150	19.5				

## STFP Right Hand Show

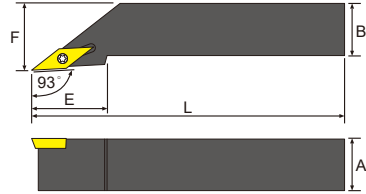


Model No	Stock		A	B	L	E	F	Insert	Screw	Wrench	Price
	R	L									
STFPR/L-2525M09-R40	●	●	25	25	150	25	26	TP□□ 0902□□	CS25	T-8	
STFPR/L-2525M11-R40	●	●	25	25	150	25	26	TP□□ 1103□□	CS30	T-10	
STFPR/L-3232P11-R40	●	●	32	32	170	25	31				

C  
TOOL HOLDER

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TC  
V  
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ER/IR  
S  
MTT

TOOL HOLDER

**SVJB** Right Hand Show

**C**  
 TOOL  
 HOLDER

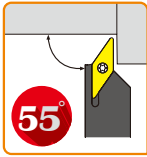
-  C
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-  M
-  VB
-  W
-  ER/IR
-  MTT

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R**

Model No	Stock		A	B	L	E	F	Insert	Screw	Wrench	Price	
	R	L										
SVJBR/L-1010K11	●	●	10	10	125	18	12	VB□□ 1103□□	CS25	T-8		
SVJBR/L-1212K11	●	●	12	12	125	18	16					
SVJBR/L-1616K11	●	●	16	16	125	20	20					
SVJBR/L-2020K11	●	●	20	20	125	22	25					
SVJBR/L-2525M11	●	●	25	25	150	22	32					
SVJBR/L-1616K16	●	●	16	16	125	30	20	VB□□ 1604□□	CS35	T-15		
SVJBR/L-2020K16	●	●	20	20	125	39	25					
SVJBR/L-2525M16	●	●	25	25	150	42	32					

●Insert Detail : VB□□1604□□→Ref.Page-U

**SVKB** Right Hand Show



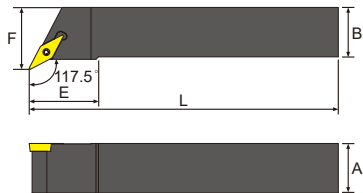
Model No	Stock		A	B	L	F	Insert	Screw	Wrench	Price		
	R	L										
SVKBR/L-1010K11	●	●	10	10	125	9	VB□□ 1103□□	CS25	T-8			
SVKBR/L-1212K11	●	●	12	12	125	9						
SVKBR/L-1616K11	●	●	16	16	125	9						
SVKBR/L-2020K11	●	●	20	20	125	9						
SVKBR/L-2020K16	●	●	20	20	125	12	VB□□ 1604□□	CS35	T-15			
SVKBR/L-2525M16	●	●	25	25	150	12						
SVKBR/L-1616K16	●	●	16	16	125	9						

●Insert Detail : VB□□1604□□→Ref.Page-U

**C**  
TOOL HOLDER

- C
- D
- E
- R
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- T
- M
- VB
- W
- ER/IR
- S
- MTT

TOOL HOLDER

**SVQB** Right Hand Show

**C**  
 TOOL  
 HOLDER

**C**  
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 E

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 M

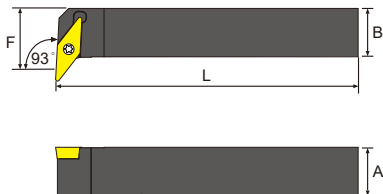
**VB**
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**ER/IR**
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R**

Model No	Stock		A	B	L	E	F	Insert	Screw	Wrench	Price		
	R	L											
SVQBR/L-1010K11	●	●	10	10	125	14	12	VB□□ 1103□□	CS25	T-8			
SVQBR/L-1212K11	●	●	12	12	125	18	16						
SVQBR/L-1616K11	●	●	16	16	125	30	20						
SVQBR/L-2020K11	●	●	20	20	125	30	25	VB□□ 1604□□	CS35	T-15			
SVQBR/L-1616K16	●	●	16	16	125	30	20						
SVQBR/L-2020K16	●	●	20	20	125	30	25						
SVQBR/L-2525M16	●	●	25	25	150	30	32						

●Insert Detail : VB□□1604□□→Ref.Page-U



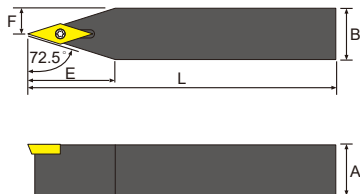
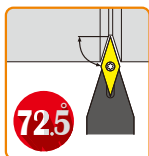
## SVUB Right Hand Show



Model No	Stock		A	B	L	F	Insert	Screw	Wrench	Price
	R	L								
SVUBR/L-1616K11	●	●	16	16	125	25	VB□□ 1103□□	CS25	T-8	
SVUBR/L-2020K11	●	●	20	20	125	30	VB□□ 1604□□	CS35	T-15	
SVUBR/L-2020K16	●	●	20	20	125	30	VB□□ 1604□□	CS35	T-15	
SVUBR/L-2525M16	●	●	25	25	150	35	VB□□ 1604□□	CS35	T-15	

●Insert Detail : VB□□1604□□→Ref.Page-U

## SVVB



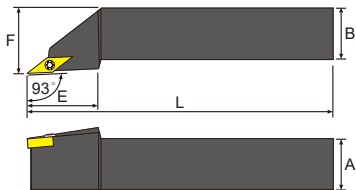
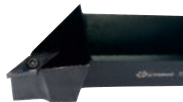
Model No	Stock		A	B	L	E	F	Insert	Screw	Wrench	Price		
	R	L											
SVVBN-1010K11	●	●	10	10	125	18	5	VB□□ 1103□□	CS25	T-8			
SVVBN-1212K11	●	●	12	12	125	18	6						
SVVBN-1616K11	●	●	16	16	125	30	8						
SVVBN-2525M11	●	●	25	25	150	30	15.8	VB□□ 1604□□	CS35	T-15			
SVVBN-2020K16	●	●	20	20	125	30	10						
SVVBN-2525M16	●	●	25	25	150	30	12.5						
SVVBN-2020M16N	●	●	20	20	125	30	19.5						

●Insert Detail : VB□□1604□□→Ref.Page-U

C  
TOOL HOLDER

- C
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- E
- R
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- T
- M
- VB
- W
- ER/IR
- S
- MTT

TOOL HOLDER

**SVJN** Right Hand Show

**C**  
 TOOL  
 HOLDER

Model No	Stock		A	B	L	E	F	Insert	Screw	Wrench	Price
	R	L									
SVJNR/L-2020K12	●	●	20	20	125	37	25	VN□□ 12T3□□	CS30	T-10	
SVJNR/L-2525M12	●	●	25	25	150	37	32				

● Insert Detail : Korloy.

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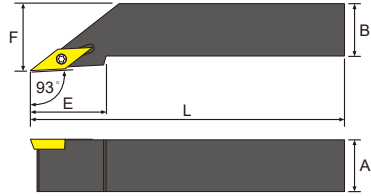
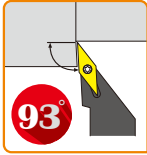
TOP

H

O

F

**SVJC** Right Hand Show



Model No	Stock		A	B	L	E	F	Insert	Screw	Wrench	Price		
	R	L											
SVJCR/L-1010K11	●	●	10	10	125	18	12	VC□□ 1103□□	CS25	T-8			
SVJCR/L-1212K11	●	●	12	12	125	18	16						
SVJCR/L-1616K11	●	●	16	16	125	30	20						
SVJCR/L-2020K11	●	●	20	20	125	22	25	VC□□ 1604□□	CS35	T-15			
SVJCR/L-1616K16	●	●	16	16	125	30	20						
SVJCR/L-2020K16	●	●	20	20	125	40	25						
SVJCR/L-2525M16	●	●	25	25	150	40	32						

●Insert Detail : VC□□1604□□→Ref.Page-V

**C**  
TOOL HOLDER

**E**

**M**

**VC**

**S**

**TOOL HOLDER**

**SVKC** Left Hand Show

**C**  
 TOOL  
 HOLDER

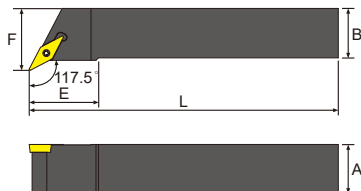
**C**  
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**W**  
 ER/IR  
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R**

Model No	Stock		A	B	L	E	F	Insert	Screw	Wrench	Price		
	R	L											
SVKCR/L-1010K11			10	10	125	14	9	VC□□ 1103□□	CS25	T-8			
SVKCR/L-1212K11	●		12	12	125	15	9						
SVKCR/L-1616K11	●		16	16	125	15	9						
SVKCR/L-2020K11	●		20	20	125	15	9						
SVKCR/L-2525M11			25	25	150	30	12						
SVKCR/L-1616K16	●		16	16	125	15	9	VC□□ 1604□□	CS35	T-15			
SVKCR/L-2020K16	●		20	20	125	25	9						
SVKCR/L-2525M16	●		25	25	150	25	12						

●Insert Detail : VC□□1604□□→Ref.Page-V

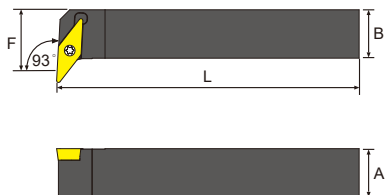
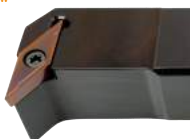
## SVQC Right Hand Show



Model No	Stock		A	B	L	E	F	Insert	Screw	Wrench	Price		
	R	L											
SVQCR/L-1010K11	●	●	10	10	125	14	14.5	VC□□ 1103□□	CS25	T-8			
SVQCR/L-1212K11	●	●	12	12	125	18	16.5						
SVQCR/L-1616K11	●	●	16	16	125	30	20.5						
SVQCR/L-2020K11	●	●	20	20	125	30	25						
SVQCR/L-1616K16	●	●	16	16	125	30	20	VC□□ 1604□□	CS35	T-15			
SVQCR/L-2020K16	●	●	20	20	125	30	25						
SVQCR/L-2525M16	●	●	25	25	150	30	32						

●Insert Detail : VC□□1604□□→Ref.Page-V

## SVUC Right Hand Show



Model No	Stock		A	B	L	F	Insert	Screw	Wrench	Price
	R	L								
SVUCR/L-1616K11	●	●	16	16	125	25	VB□□ 1103□□	CS25	T-8	
SVUCR/L-2020K11	●	●	20	20	125	30				
SVUCR/L-2020K16	●	●	20	20	125	30	VB□□ 1604□□	CS35	T-15	
SVUCR/L-2525M16	●	●	25	25	150	35				

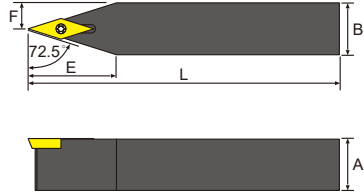
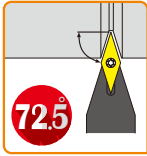
●Insert Detail : VC□□1604□□→Ref.Page-V

C  
TOOL HOLDER



TOOL HOLDER

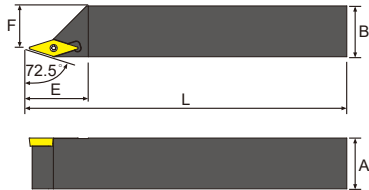
## SVVC



Model No	Stock		A	B	L	E	F	Insert	Screw	Wrench	Price		
	R	L											
SVVCN-1010K11	●		10	10	125	18	5	VC□□ 1103□□	CS25	T-8			
SVVCN-1212K11	●		12	12	125	18	6						
SVVCN-1616K11	●		16	16	125	30	8						
SVVCN-2525M11	●		25	25	150	35	12.5	VC□□ 1604□□	CS35	T-15			
SVVCN-2020K16	●		20	20	125	30	10						
SVVCN-2525M16	●		25	25	150	30	12.5						

●Insert Detail : VC□□1604□□→Ref.Page-V

## SVVC Right Hand Show

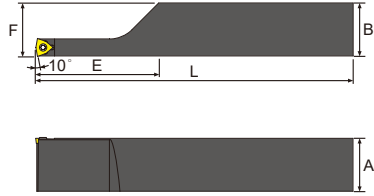
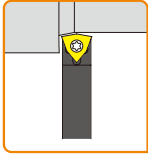


Model No	Stock		A	B	L	E	F	Insert	Screw	Wrench	Price
	R	L									
SVVCR-2020K11	●	●	20	20	125	30	16	VC□□ 1103□□	CS25	T-8	
SVVCR-2525M11	●	●	25	25	150	25	21				
SVVCR-2020K16	●	●	20	20	125	30	5	VC□□ 1604□□	CS35	T-15	
SVVCR-2525M16	●	●	25	25	150	30	20				

●Insert Detail : VC□□1604□□→Ref.Page-V

- C  
TOOL HOLDER
- D
- E
- R
- S
- T
- M
- VC
- W
- ER/IR
- MTT
- S
- TOP HOLDER

**SWAC** Right Hand Show



Model No	Stock		A	B	L	E	F	Insert	Screw	Wrench	Price
	R	L									
SWACR/L-2525M04	●	●	25	25	150	30	26	 WC□□ 0402□□	 CS25	 T-8	

**C**  
TOOL HOLDER

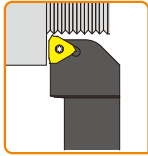
**E**

**M**

**S**

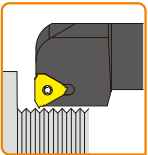
**WC**  
ER/IR  
MTT

TOOL HOLDER

**SE** Right Hand Show


Model No	Stock		A	B	L	E	F	Insert	Shim	Shim	Screw	Screw	Wrench	Wrench	Price						
	R	L																			
SER/L-1010K16	●	●	10	10	125	20	14	16ER/IR			CS35		T-15								
SER/L-1212K11	●	●	12	12	125	20	16	11ER/IR	-	-	CS30	-	T-10	-							
SER/L-1212K16	●	●	12	12	125	20	16	16ER/IR			CS35		T-15								
SER/L-1616K16	●	●	16	16	125	25	20														
SER/L-2020K16	●	●	20	20	125	25	25														
SER/L-2525M16	●	●	25	25	150	27	32				AE16					AI16	CS 35115	CS6-0306		LW025	
SER/L-3232P16	●	●	32	32	170	27	40	22ER/IR			CS 45115	CS6-0406	T-15	LW030							
SER/L-2525M22	●	●	25	25	150	27	32									AE22	AI22				
SER/L-3232P22	●	●	32	32	170	27	40														

- 16ER : Right hand insert.
- 16IR : Left hand insert.
- Insert Detail : 11ER/IR、16ER/IR、22ER/IR→Ref.Page-AQ~AR

**ESE** Right Hand Show


Model No	Stock		A	B	L	E	F	Insert	Shim	Shim	Screw	Screw	Wrench	Wrench	Price						
	R	L																			
ESER/L-1616K16	●	●	16	16	125	25	20	16ER/IR			CS 35115	CS6-0306	T-15	LW025							
ESER/L-2020K16	●	●	20	20	125	25	25														
ESER/L-2525M16	●	●	25	25	150	27	32														
ESER/L-3232P16	●	●	32	32	170	27	40														

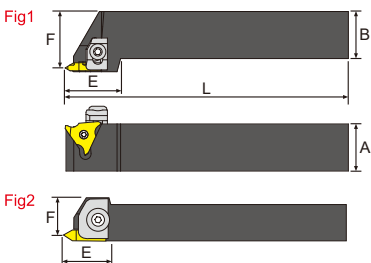
- 16ER : Right hand insert.
- 16IR : Left hand insert.
- Insert Detail : 16ER/IR→Ref.Page-AQ~AR

**C**  
 TOOL HOLDER

**C**  
**D**  
**E**
**R**  
**S**  
**T**  
**M**
**V**  
**W**
**ER/IR**  
**MTT**
**Throat Top Holder**



**EWT1** Right Hand Show



Model No	Stock		A	B	L	E	F	Fig	Insert	Screw	Clamp	Wrench	Wrench	Spring	Price
	R	L													
EWT1R/L-1616K4N	●	●	16	16	125	21	16	2	MTT R/L43	CD6- 60-20 CS40	ETK1 R/L	T-15	LW040	S6	
EWT1R/L-2020K4	●	●	20	20	125	32	25	1	MTT R/L43						
EWT1R/L-2525M4	●	●	25	25	150	27	32	1							

**C**  
TOOL HOLDER

**E**

**M**

**S**

**MTT**

The Right Tool Holder

# Tool Holder With Coolant Series

**10Bar Max**



## Features :

1. Always position accurate while changing insert repeatedly.
2. No insert movement during high speed or heavily interrupted operation.
3. Change insert is simple and effective.
4. Excellent cooling results.
5. The coolant nozzle system increase inserts' life and stability.
6. Original E-type tool holders can replace our coolant nozzle. It is more economical way than to purchase new tool holders with coolant holders.



# H

## Grooving

### Internal Grooving

**ECZ 223**

**OCZ 224**

**ECDG 225**

### External Grooving

**EZH 226**

**EGHGR 228**

**ETGDR 229**

**EDGTR 230**

**EDGH 231**

**EGEHR 232**

**EGYH 233**

### Face Grooving

**NEW OFGR 235**

**EZG 237**

### External Shallow Grooving

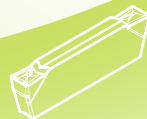
**EHH 239**

### External Slot Grooving

**EWC 240**

### Blade For Parting Off

**EIH 241**



# Tool Holder For Cutting Off & Grooving Series



Slotted | Shallow | Ridges | Grooving

**ECZ** Internal Grooving  
Right Hand Show

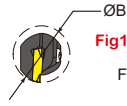
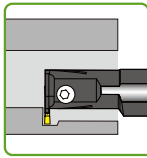


Fig1

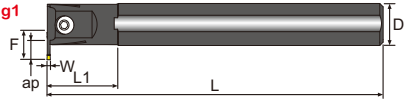
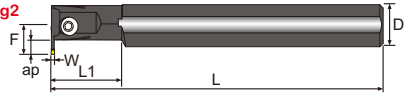


Fig2



Shank	Model No	Stock		Min. Bore Dia. ØB	Fig	ap	D	F	L	L1	W	Insert	Screw	Wrench	Price
		R	L												
S	ECZR/L-20-2M-A	●	●	24	2	5	20	13	180	32	2	ECH200	CD6-60		
	ECZR/L-20-3M-A	●	●	24	2	5	20	13	180	32	3	ECH300			
	ECZR/L-25-2M-A	●	●	31	2	8	25	17	200	42	2	ECH200			
	ECZR/L-25-2M	●	●	35	1	8	25	21	200	42	2	ECH200			
	ECZR/L-25-3M-A	●	●	31	2	8	25	17	200	42	3	ECH300			
	ECZR/L-25-3M	●	●	35	1	8	25	22	200	42	3	ECH300			
	ECZR/L-25-4M-A	●	●	31	2	8	25	17	200	42	4	ECH400			
	ECZR/L-25-4M	●	●	35	1	8	25	21	200	42	4	ECH400			
	ECZR/L-32-3M-A	●	●	39	2	10	32	22	250	54	3	ECH300	LW040		
	ECZR/L-32-3M	●	●	43	1	10	32	26	250	54	3	ECH300			
	ECZR/L-32-4M-A	●	●	39	2	10	32	22	250	54	4	ECH400			
	ECZR/L-32-4M	●	●	43	1	10	32	26	250	54	4	ECH400			
	ECZR/L-40-3M	●	●	55	1	13	40	32	300	80	3	ECH300	CD6-60-20		
	ECZR/L-40-4M	●	●	55	1	13	40	32	300	80	4	ECH400			
	ECZR/L-40-5M	●	●	55	1	13	40	32	300	80	5	ECH500			
	ECZR/L-50-3M	●	●	65	1	14	50	38	350	100	3	ECH300			
	ECZR/L-50-4M	●	●	65	1	14	50	38	350	100	4	ECH400			
	ECZR/L-50-5M	●	●	65	1	14	50	38	350	100	5	ECH500			

● Insert Detail : ECH→Ref. Page-Y

Internal Grooving

ECH

DGM

EC

ETN3

GIP

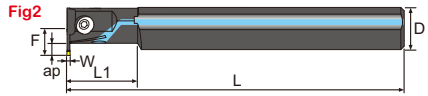
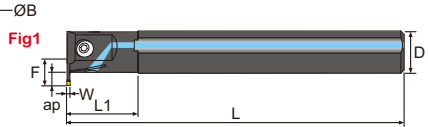
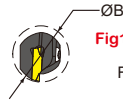
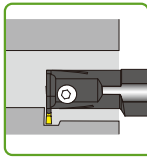
TGMF

DGN

MGMN

GY2M

**H**  
GROOVING

**OCZ** Internal Grooving  
 Right Hand Show


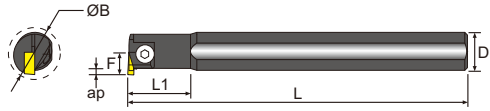
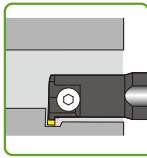
Internal Grooving

Shank	Model No	Stock		Min. Bore Dia. ØB	Fig	ap	D	F	L	L1	W	Insert	Screw	Wrench	Price
		R	L												
S	OCZR-20-2M-A	●	●	24	2	5	20	13	180	32	2	ECH200	CD6-60	LW040	
	OCZR-20-3M-A	●	●	24	2	5	20	13	180	32	3	ECH300			
	OCZR-25-2M-A	●	●	31	2	8	25	17	200	42	2	ECH200			
	OCZR-25-2M	●	●	35	1	8	25	21	200	42	2	ECH200			
	OCZR-25-3M-A	●	●	31	2	8	25	17	200	42	3	ECH300			
	OCZR-25-3M	●	●	35	1	8	25	22	200	42	3	ECH300			
	OCZR-25-4M-A	●	●	31	2	8	25	17	200	42	4	ECH400			
	OCZR-25-4M	●	●	35	1	8	25	21	200	42	4	ECH400			
	OCZR-32-3M-A	●	●	39	2	10	32	22	250	54	3	ECH300	CD6-60-20		
	OCZR-32-3M	●	●	43	1	10	32	26	250	54	3	ECH300			
	OCZR-32-4M-A	●	●	39	2	10	32	22	250	54	4	ECH400			
	OCZR-32-4M	●	●	43	1	10	32	26	250	54	4	ECH400			
	OCZR-40-3M	●	●	55	1	13	40	32	300	80	3	ECH300			
	OCZR-40-4M	●	●	55	1	13	40	32	300	80	4	ECH400			
	OCZR-40-5M	●	●	55	1	13	40	32	300	80	5	ECH500			
	OCZR-50-3M	●	●	65	1	14	50	38	350	100	3	ECH300			
	OCZR-50-4M	●	●	65	1	14	50	38	350	100	4	ECH400			
	OCZR-50-5M	●	●	65	1	14	50	38	350	100	5	ECH500			

● Insert Detail : ECH→Ref. Page-Y



**ECDG** Internal Grooving  
Right Hand Show



Shank	Model No	Stock		Min. BoreDia. ØB	ap	D	F	L	L1	Insert	Screw	Wrench	Price
		R	L										
S	ECDGR/L-20-3M	●	●	24	5	20	13	150	32	DGM30	CD6-60	LW040	
	ECDGR/L-25-3M	●	●	31	8	25	17	200	40				
	ECDGR/L-32-3M		●	39	10	32	22	250	50				CD6-60-20
	ECDGR/L-20-4M	●	●	24	54	20	13	150	32	DGM40	CD6-60		
	ECDGR/L-25-4M		●	31	8	25	17	200	40				
	ECDGR/L-32-4M	●	●	39	10	32	22	250	50				CD6-60-20

●Insert : Mitsubishi.

Internal Grooving

ECH

DGM



ETN3



GIP

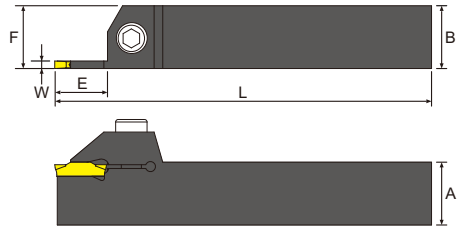
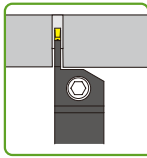
TGMF

DGN

MGMN

GY2M

**H**  
GROOVING


**EZH** Externak Grooving  
 Right Hand Show


Externak Grooving

**ECH**
**DGM**
**EC**
**ETN3**
**GIP**
**TGMF**
**DGN**
**MGMN**
**GY2M**
**H**  
 GROOVING

Shank	Model No	Stock			A	B	E	F	L	W	Insert	Screw	Wrench	Price
		R	L	A										
S	EZHR/L-20K-2D-14	●	●	20	20	14	20	125	2	ECH200	CS6-60	LW050		
	EZHR/L-20K-3D-20	●	●	20	20	20	20	125	3	ECH300				
	EZHR/L-20K-3D-25	●	●	20	20	25	20	125	3	ECH400				
	EZHR/L-20K-4D-20	●	●	20	20	20	20	125	4					
	EZHR/L-20K-4D-25	●	●	20	20	25	20	125	4					
	EZHR/L-25M-2D-06	●		25	25	6	25	150	2	ECH500				
	EZHR/L-25M-2D-09	●		25	25	9	25	150	2	ECH200				
	EZHR/L-25M-2D-14	●	●	25	25	14	25	150	2					
	EZHR/L-25M-2D-17	●		25	25	17	25	150	2					
	EZHR/L-25M-3D-09	●	●	25	25	9	25	150	3	ECH300				
	EZHR/L-25M-3D-20	●	●	25	25	20	25	150	3	ECH300				
	EZHR/L-25M-3D-25	●	●	25	25	25	25	150	3					
	EZHR/L-25M-4D-09	●	●	25	25	9	25	150	4	ECH400				
	EZHR/L-25M-4D-20	●	●	25	25	20	25	150	4					
	EZHR/L-25M-4D-25	●	●	25	25	25	25	150	4					
	EZHR/L-25M-5D-09	●	●	25	25	9	25	150	5	ECH500				
	EZHR/L-25M-5D-25	●	●	25	25	25	25	150	5					
	EZHR/L-25M-6D-20	●	●	25	25	20	25	150	6	ECH600				
	EZHR/L-25M-6D-25	●	●	25	25	25	25	150	6					
H	HZHR/L-25M-2D-14	●	●	25	25	14	25	150	2	ECH200	CS6-60	LW050		
	HZHR/L-25M-3D-20	●	●	25	25	20	25	150	3	ECH300				
	HZHR/L-25M-3D-25	●	●	25	25	25	25	150	3					



Shank	Model No	Stock		A	B	E	F	L	W	Insert	Screw	Wrench	Price
		R	L										
H	HZHR/L-25M-4D-20	●	●	25	25	20	25	150	4	ECH400	CS6-60	LW050	
	HZHR/L-25M-4D-25	●	●	25	25	25	25	150	4	ECH400			
	HZHR/L-25M-5D-30	●	●	25	25	30	25	150	5	ECH500			

●Insert Detail : ECH→Ref.Page-Y

ECH



DGM



EC



ETN3



GIP



TGMF



DGN



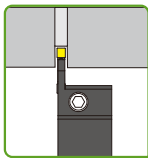
MGMN



GY2M



H  
GROOVING

**EGHGR** External Grooving  
 Right Hand Show

**Chief Tool Holders for External Deep Grooving.**

- Grooving, Broach grooving & deep grooving.
- Cut-off grooving & face grooving.

Externak Grooving

Model No	Stock		Insert						Screw	Wrench	Price	
	R	L	A	B	E	F	L	W				
EGHGR/L-16-3M	●	●	16	16	16	16	125	3	GIP	CS6-60	LW040	
EGHGR/L-20-2M	●		20	20	14	20	125	2				
EGHGR/L-20-3M	●	●	20	20	20	20	125	3				
EGHGR/L-20-4M	●	●	20	20	20	20	125	4-5				
EGHGR/L-25-2M	●		25	25	14	25	150	2				
EGHGR/L-25-3M	●	●	25	25	20	25	150	3		CS6-60	LW050	
EGHGR/L-25-4M	●	●	25	25	20	25	150	4-5				
EGHGR/L-25-5M	●	●	25	25	25	25	150	5-6.4				
EGHRGR/L-25-5M-20	●		25	25	20	25	150	5				

●Insert : Iscar.



DGM



EC



ETN3


**GIP**


TGMF



DGN



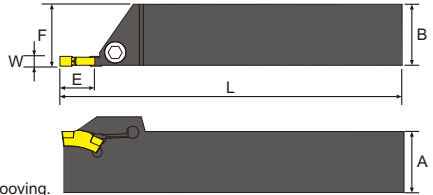
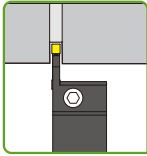
MGMN



GY2M






**H**  
 GROOVING

**ETGDR** External Grooving  
Right Hand Show



**Chief Tool Holders for External Deep Grooving.**

- Grooving, Broach grooving & deep grooving.
- Cut-off grooving & face grooving.

Model No	Stock		A	B	E	F	L	W	Insert 	Screw 	Wrench 	Price
	R	L										
ETGDR/L-16-3M	●		16	16	16	16	125	3	TGMF 	CS6-50	LW040	
ETGDR/L-20-3M	●		20	20	18	20	125	3				
ETGDR/L-20-4M	●		20	20	18	20	125	4-5				
ETGDR/L-25-3M	●		25	25	18	25	150	3		CS6-60	LW050	
ETGDR/L-25-4M	●		25	25	18	25	150	4-5				
ETGDR/L-25-5M	●		25	25	18	25	150	5-6.4				

●Insert : Iscar.

External Grooving

ECH



DGM



EC



ETN3



GIP



**TGMF**



DGN



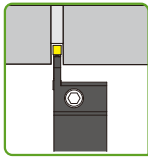
MGMN



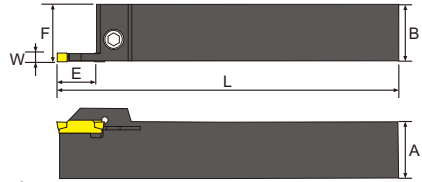
GY2M



**H**  
GROOVING

**EDGTR** External Grooving  
 Right Hand Show

**Tool Holders for External Deep Turning**

- Grooving, Broach grooving & deep grooving.
- Cut-off grooving & face grooving.



External Grooving



ECH



DGM



EC



ETN3



GIP



TGMF





**DGN**


MGMN



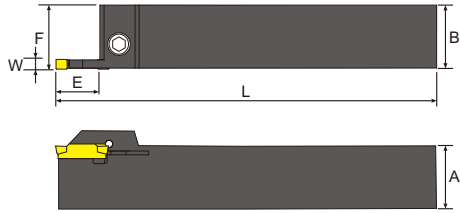
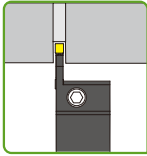
GY2M





**H**  
 GROOVING

Model No	Stock		A	B	E	F	L	W	Insert 	Screw 	Wrench 	Price
	R	L										
EDGTR/L-10B-2D-14	●		10	10	14	10	125	2	DGN	CS35-115	T15	
EDGTR/L-12B-2D-14	●	●	12	12	14	12	125	2				
EDGTR/L-10B-3D-14	●		10	10	14	10	125	3				
EDGTR/L-12B-3D-14	●	●	12	12	14	12	125	3				
EDGTR/L-16B-2D-14	●	●	16	16	14	16	125	2	CS6-50	LW040		
EDGTR/L-16B-3D-16	●	●	16	16	16	16	125	3				
EDGTR/L-20B-2D-14	●	●	20	20	14	20	125	2	CS6-60	LW050		
EDGTR/L-20B-3D-20	●	●	20	20	20	20	125	3				
EDGTR/L-25B-2D-14	●		25	25	14	25	150	2				
EDGTR/L-25B-3D-20	●	●	25	25	20	25	150	3				

● Insert : Iscar.

**EDGH** External Grooving  
Right Hand Show

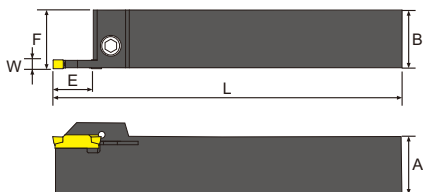
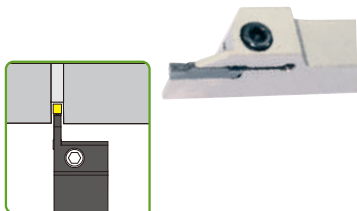


Model No	Stock		A	B	E	F	L	W	Insert	Screw	Wrench	Price
	R	L										
EDGHR-16B-3D-16	●		16	16	16	16	125	3	DGM	CS6-60	LW050	
EDGHR-16B-4D-16	●		16	16	16	16	125	4				
EDGHR/L-25B-3D-20			25	25	20	20	150	3				
EDGHR/L-20B-4D-20			20	20	20	20	125	4				
EDGHR/L-25B-4D-20			20	20	20	20	150	4				
EDGHR/L-25B-5D-25			25	25	25	25	150	5				

●Insert : Mitsubishi.

External Grooving



**EGEHR** External Grooving  
 Right Hand Show


External Grooving



ECH



DGM



EC



ETN3



GIP



TGMF



DGN


**MGMN**

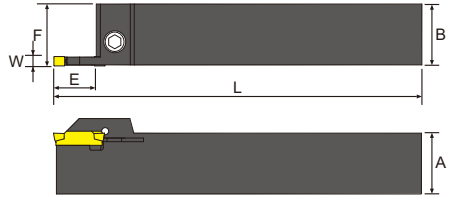
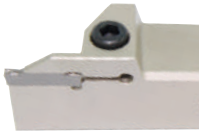
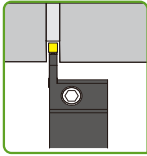

GY2M


**H**  
 GROOVING

Model No	Stock		A	B	E	F	L	W	Insert 	Screw 	Wrench 	Price	
	R	L											
EGEHR/L-16B-2D-14	●		16	16	14	16	125	2	MGMN 	CS6-50	LW040		
EGEHR/L-16B-3D-14			16	16	14	16	125	3					
EGEHR/L-20B-2D-14	●		20	20	14	20	125	2					
EGEHR/L-20B-3D-20	●	●	20	20	20	20	125	3					
EGEHR/L-20B-4D-20	●	●	20	20	20	20	125	4					
EGEHR/L-25B-2D-14	●		25	25	14	25	150	2			CS6-60	LW050	
EGEHR/L-25B-3D-20	●	●	25	25	20	25	150	3					
EGEHR/L-25B-4D-20	●	●	25	25	20	25	150	4					
EGEHR/L-25B-5D-25	●	●	25	25	25	25	150	5					

●Insert : Korloy

**EGYH** External Grooving  
Right Hand Show



Model No	Stock		A	B	E	F	L	W	Insert	Screw	Wrench	Price
	R	L										
EGYHR/L-20K-2D-14	●	●	20	20	14	20	125	2	GY2M	CS6-60	LW050	
EGYHR/L-20K-2D-16	●	●	20	20	16	20	125	2				
EGYHR/L-20K-3D-20	●	●	20	20	20	20	125	3				
EGYHR/L-20K-4D-20	●	●	20	20	20	20	125	4				
EGYHR/L-25M-2D-16	●	●	25	25	16	25	150	2				
EGYHR/L-25M-3D-09	●	●	25	25	9	25	150	3				
EGYHR/L-25M-3D-20	●	●	25	25	20	25	150	3				
EGYHR/L-25M-4D-09	●	●	25	25	9	25	150	4				
EGYHR/L-25M-4D-20	●	●	25	25	20	25	150	4				
EGYHR/L-25M-5D-25	●	●	25	25	25	25	150	5				

● Insert : Mitsubishi.

External Grooving





Minimum processing range

Ø40

Maximum processing range

Ø999

**Coolant Thru Spindle Design**

**OFGR series**

***PATENT NEW PRODUCT***

# Coolant Face Grooving

Didn't need to dismantling the tool block, can faster positioning to use can make internal face grooving.

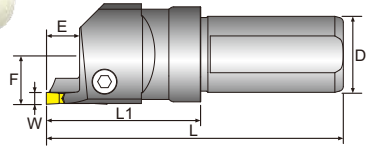
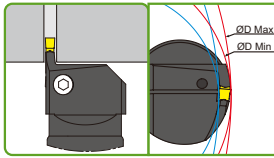





**No need to waste your time  
dismantle the tool block!!**



# OFGR Coolant Face Grooving

**New Arrival**



Model No	Stock	Range ØD		D	E	F	L	L1	W	Insert 	Screw 	Wrench 	Price		
		Max	Min												
OFGR32M-2934-4T14		29	34	32	14	21	125	65	4	ECH400	CS6-60	LW050			
OFGR32M-2934-4T25		29	34	32	25	21	125	65	4						
OFGR32M-2935-3T12		29	35	32	12	21	125	65	3				ECH300		
OFGR32M-2935-3T20		29	35	32	20	21	125	65	3						
OFGR32M-3540-3T12		35	40	32	12	21	125	65	3						
OFGR32M-3540-3T20		35	40	32	20	21	125	65	3						
OFGR32M-4050-3T12		40	50	32	12	21	125	65	3	ECH400					
OFGR32M-4050-3T20		40	50	32	20	21	125	65	3						
OFGR32M-4050-4T14		40	50	32	14	21	125	65	4						
OFGR32M-4050-4T25		40	50	32	25	21	125	65	4						
OFGR32M-4050-5T14		40	50	32	14	21	125	65	5	ECH500					
OFGR32M-4050-5T25		40	50	32	25	21	125	65	5						
OFGR32M-5060-3T12		50	60	32	12	21	125	65	3	ECH300					
OFGR32M-5060-3T20		50	60	32	20	21	125	65	3						
OFGR32M-5060-4T14		50	60	32	14	21	125	65	4				ECH400		
OFGR32M-5060-4T25		50	60	32	25	21	125	65	4						
OFGR32M-5060-5T14		50	60	32	14	21	125	65	5	ECH500					
OFGR32M-5060-5T25		50	60	32	25	21	125	65	5						
OFGR32M-6075-3T12		60	75	32	12	21	125	65	3	ECH300					
OFGR32M-6075-3T20		60	75	32	20	21	125	65	3						
OFGR32M-6085-4T14		60	85	32	14	21	125	65	4	ECH400					
OFGR32M-6085-4T25		60	85	32	25	21	125	65	4						

※ Continued on next page.

Coolant Face Grooving

ECH

DGM

EC

ETN3

GIP

TGMF

DGN

MGMN

GY2M

**H**  
GROOVING

**ECH**

**DGM**

**EC**

**ETN3**

**GIP**

**TGMF**




**DGN**

**MGMN**

**GY2M**

**H**

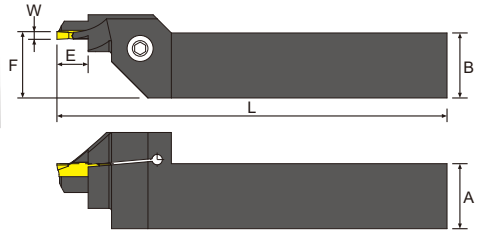
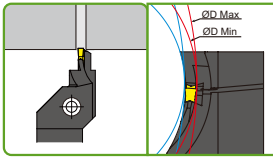
GROOVING

Model No	Stock	Range ØD		D	E	F	L	L1	W	Insert 	Screw 	Wrench 	Price
		Max	Min										
OFGR32M-6085-5T14		60	85	32	14	21	125	65	5	ECH500			
OFGR32M-6085-5T25		60	85	32	25	21	125	65	5	ECH500			
OFGR32M-75100-3T12		75	100	32	12	21	125	65	3	ECH300			
OFGR32M-75100-3T20		75	100	32	20	21	125	65	3	ECH300			
OFGR32M-85125-4T14		85	125	32	14	21	125	65	4	ECH400			
OFGR32M-85125-4T25		85	125	32	25	21	125	65	4	ECH400			
OFGR32M-85125-5T14	●	85	125	32	14	21	125	65	5	ECH500			
OFGR32M-85125-5T25		85	125	32	25	21	125	65	5	ECH500			
OFGR32M-100150-3T12		100	150	32	12	21	125	65	3	ECH300			
OFGR32M-100150-3T20		100	150	32	20	21	125	65	3	ECH300			
OFGR32M-125200-4T14		125	200	32	14	21	125	65	4	ECH400			
OFGR32M-125200-4T25		125	200	32	25	21	125	65	4	ECH400			
OFGR32M-125200-5T14		125	200	32	14	21	125	65	5	ECH500	CS6-60	LW050	
OFGR32M-125200-5T25		125	200	32	25	21	125	65	5	ECH500	CS6-60	LW050	
OFGR32M-135200-3T12		135	200	32	12	21	125	65	3	ECH300			
OFGR32M-135200-3T20		135	200	32	20	21	125	65	3	ECH300			
OFGR32M-180250-3T12		180	250	32	12	21	125	65	3	ECH300			
OFGR32M-180250-3T20		180	250	32	20	21	125	65	3	ECH300			
OFGR32M-180280-4T14		180	280	32	14	21	125	65	4	ECH400			
OFGR32M-180280-4T25		180	280	32	25	21	125	65	4	ECH400			
OFGR32M-180280-5T14		180	280	32	14	21	125	65	5	ECH500			
OFGR32M-180280-5T25		180	280	32	25	21	125	65	5	ECH500			
OFGR32M-250999-4T14		250	999	32	14	21	125	65	4	ECH400			
OFGR32M-250999-4T25		250	999	32	25	21	125	65	4	ECH400			
OFGR32M-250999-5T14		250	999	32	14	21	125	65	5	ECH500			
OFGR32M-250999-5T25		250	999	32	20	21	125	65	5	ECH500			

● Insert Detail : ECH→Ref. Page-Y

**EZG** Externak Grooving  
Right Hand Show

**New Specification Arrival**



Model No	Stock	Range ØD		A	B	E	F	L	W	Insert	Screw	Wrench	Price			
		Max	Min													
EZGR-2520-2934-4T17	●	29	34	25	25	17	26	150	4	ECH400	CS6-60	LW050				
EZGR-25-2934-4T06	●	29	34	25	25	6	26	150	4							
EZGR-25-2934-4T09	●	29	34	25	25	9	26	150	4							
EZGR-25-2934-4T12	●	29	34	25	25	12	26	150	4							
EZGR-25-2934-4T14	●	29	34	25	25	14	26	150	4							
EZGR-25-2934-4T17	●	29	34	25	25	17	26	150	4							
EZGR-25-2934-4T20	●	29	34	25	25	20	26	150	4							
EZGR-25-2934-4T25	●	29	34	25	25	25	26	150	4							
EZGR-25-2935-3T12	●	29	35	25	25	12	26	150	3				ECH300			
EZGR-25-3540-3T12	●	35	40	25	25	12	26	150	3							
EZGR-25-4050-3T12	●	40	50	25	25	12	26	150	3	ECH400						
EZGR-25-4050-4T14	●	40	50	25	25	14	26	150	4	ECH500						
EZGR-25-5060-3T12	●	50	60	25	25	12	26	150	3	ECH400						
EZGR-25-5060-4T16	●	50	60	25	25	16	26	150	4	ECH300						
EZGR-25-6075-3T12	●	60	75	25	25	12	26	150	3							
EZGR-25-6075-3T20	●	60	75	25	25	20	26	150	3	ECH400						
EZGR-25-6085-4T14	●	60	85	25	25	14	26	150	4							
EZGR-25-6085-4T25	●	60	85	25	25	25	26	150	4	ECH500						
EZGR-25-6085-5T14	●	60	85	25	25	14	26	150	5							
EZGR-25-6085-5T25	●	60	85	25	25	25	26	150	5	ECH300						
EZGR-25-75100-3T12	●	75	100	25	25	12	26	150	3							

※ Continued on next page.

Face Grooving

ECH

DGM

EC

ETN3

GIP

TGMF

DGN

MGMN

GY2M

**H**  
GROOVING

## Face Grooving

**ECH**


DGM



EC



ETN3



GIP



TGMF



DGN



MGMN



GY2M

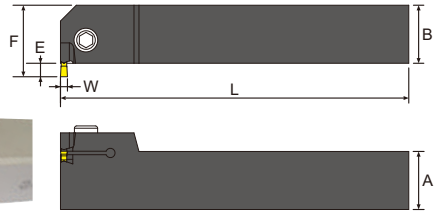
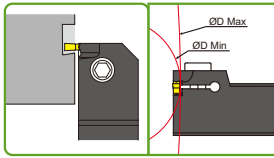

**H**

GROOVING

Model No	Stock	Range ØD		A	B	E	F	L	W	Insert	Screw	Wrench	Price
		Max	Min										
EZGR-25-75100-3T20	●	75	100	25	25	20	26	150	3	ECH300	CS6-60	LW050	
EZGR-25-85125-4T14	●	85	125	25	25	14	26	150	4	ECH400			
EZGR-25-85125-4T25	●	85	125	25	25	25	26	150	4	ECH500			
EZGR-25-85125-5T14	●	85	125	25	25	14	26	150	5				
EZGR-25-85125-5T25	●	85	125	25	25	25	26	150	5	ECH500			
<b>NEW</b> EZGR-25-85125-5T30	●	85	125	25	25	30	26	150	5				
EZGR-25-100150-3T12	●	100	150	25	25	12	26	150	3	ECH300			
EZGR-25-100150-3T20	●	100	150	25	25	20	26	150	3	ECH400			
EZGR-25-125200-4T14	●	125	200	25	25	14	26	150	4				
EZGR-25-125200-4T25	●	125	200	25	25	25	26	150	4	ECH500			
EZGR-25-125200-5T14	●	125	200	25	25	14	26	150	5	ECH500			
EZGR-25-125200-5T25	●	125	200	25	25	25	26	150	5				
EZGR-25-135200-3T12	●	135	200	25	25	12	26	150	3	ECH300			
EZGR-25-135200-3T20	●	135	200	25	25	20	26	150	3				
EZGR-25-180250-3T12	●	180	250	25	25	12	26	150	3	ECH400			
EZGR-25-180250-3T20	●	180	250	25	25	20	26	150	3				
EZGR-25-180250-4T14	●	180	280	25	25	14	26	150	4	ECH500			
EZGR-25-180250-4T25	●	180	280	25	25	25	26	150	4				
EZGR-25-180250-5T14	●	180	280	25	25	14	26	150	5	ECH500			
EZGR-25-180280-5T25	●	180	280	25	25	25	26	150	5				
EZGR-25-250999-4T14	●	250	999	25	25	14	26	150	4	ECH400			
EZGR-25-250999-4T25	●	250	999	25	25	25	26	150	4				
EZGR-25-250999-5T14	●	250	999	25	25	14	26	150	5	ECH500			
EZGR-25-250999-5T25	●	250	999	25	25	25	26	150	5				

● Insert Detail : ECH→Ref.Page-Y

**EHH** Externak Shallow Grooving  
Right Hand Show



Model No	Stock		Range ØD		A	B	E	F	L	W	Insert	Screw	Wrench	Price
	R	L	Max	Min										
EHHR/L-20K-2D-6	●		350	1000	20	20	6	20	125	2	ECH200	CS6-60	LW050	
EHHR/L-20K-3D-6	●	●	110	1000	20	20	6	20	125	3	ECH300			
EHHR/L-20K-4D-6	●	●	80	1000	20	20	6	20	125	4	ECH400			
EHHR/L-25M-2D-6	●		350	1000	25	25	6	25	150	2	ECH200			
EHHR/L-25M-3D-6	●	●	110	1000	25	25	6	25	150	3	ECH300			
EHHR/L-25M-4D-6	●	●	80	1000	25	25	6	25	150	4	ECH400			
EHHR/L-25M-5D-8	●	●	90	1000	25	25	8	25	150	5	ECH500			

● Insert Detail : ECH→Ref.Page-Y

External Shallow Grooving

ECH



DGM



EC



ETN3



GIP



TGMF



DGN



MGMN



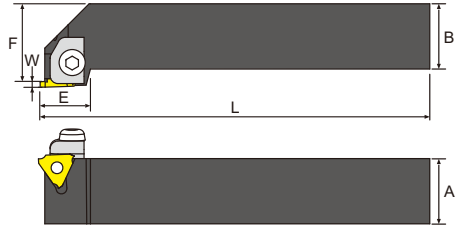
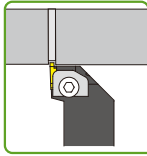
GY2M



**H**  
GROOVING

**EWC** Externak Grooving  
 Right Hand Show

External Grooving

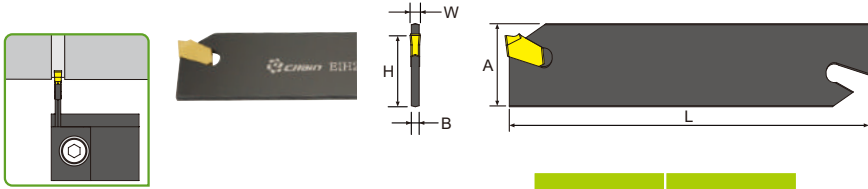


Model No	Stock		A	B	E	F	L	W	Insert	Screw	Clamp	Screw	Spring	Wrench	Wrench	Price
	R	L														
EWCR/L-1212K16	●	●	12	12	12	12	125	3	EC16R/L	CH40	-	-	-	-	-	
EWCR/L-1616K16	●	●	16	16	16	12	125	3								
EWCR/L-2020K16	●	●	20	20	25	25	125	3	EC22R/L	CS45	-	-	-	-	-	
EWCR/L-2020K22	●	●	20	20	20	25	125	0.5-4.8								
EWCR/L-2020K22-15	●	●	20	20	20	25	125	1.5-2.3	EC22R/L	CS45	-	-	-	T-15	-	
EWCR/L-2020K22-25	●	●	20	20	20	25	125	2.5-3.3								
EWCR/L-2020K22-35	●	●	20	20	20	25	125	3.5-4.8	EC16R/L	CH40	ETK1 R/L	CD6- 60-20	S6	-	LW040	
EWCR/L-2525M16	●	●	25	25	25	30	150	3								
EWCR/L-2525M22	●	●	25	25	25	30	150	0.5-4.8	EC22R/L	CS45	-	-	-	-	-	
EWCR/L-2525M22-15	●	●	25	25	25	30	150	1.5-2.3								
EWCR/L-2525M22-25	●	●	25	25	25	30	150	2.5-3.3	EC22R/L	CS45	-	-	-	-	-	
EWCR/L-2525M22-35	●	●	25	25	25	30	150	3.5-4.8								

● Insert Detail : EC16R、EC22R → Ref. Page-AQ-AR

**H**  
 GROOVING

**EIH** Blade For Parting Off



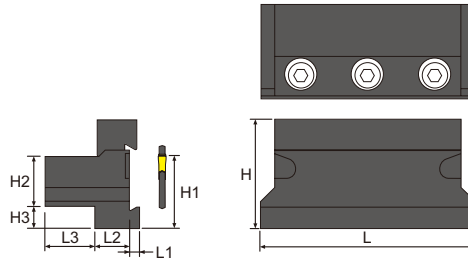
Model No	Stock	A	B	H	L	W	Insert	Wrench	Price
EIH26-3	●	25.4	2.4	21	110	3	ETN3	EL-1	
EIH32-3	●	31.3	2.4	25	150	3			

※EL-1(wrench) isn't include in the holders, it needs to purchase separately.

●Insert Detail : ETN3→Ref.Page-241

●Block refer "EBU" as below.

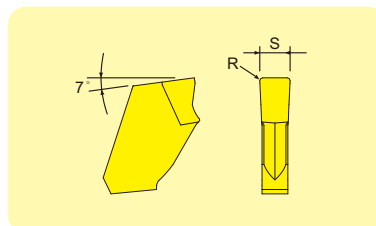
**EBU** For EIH Blade Block



Model No	Stock	H	H1	H2	H3	L	Assembly Holder	Screw	Wrench	Price
EBU20-26	●	45	20	20	10	80	EIH26-3 EIH32-3	CS6-60	LW050	
EBU20-32	●	50	25	20	13.5	100				
EBU25-32	●	50	25	25	8.5	110				

**ETN3** INSERT

- Standard Stocks
- ◆ Grade Ref. Page-D
- ◆ Chipbreaker Ref. Page-F-H
- ◆ Cutting condition Ref. Page-I



Shape	Model No	R	S	Carbide Coated			
	ETN3-1E	0.3	0.3	<table border="1"> <tr><td>P</td></tr> <tr><td>BEF706</td></tr> <tr><td>●</td></tr> </table>	P	BEF706	●
P							
BEF706							
●							

# END MILL SERIES

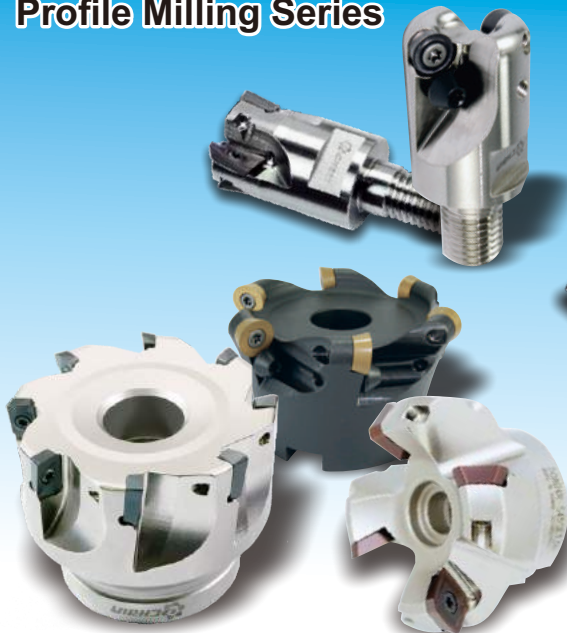
**Shoulder Face Milling Series**

**Surface Milling Series**

**Mortising Series**

**Multi-Function Milling Series**

**Profile Milling Series**

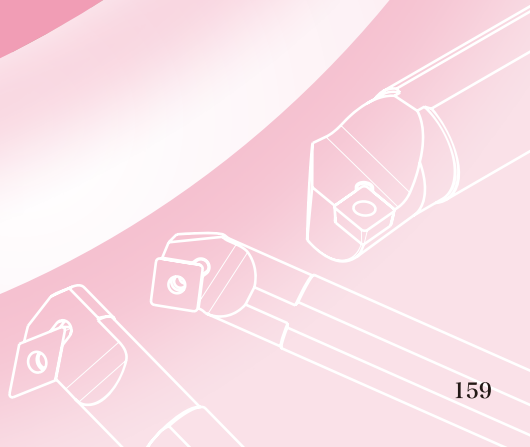




# G

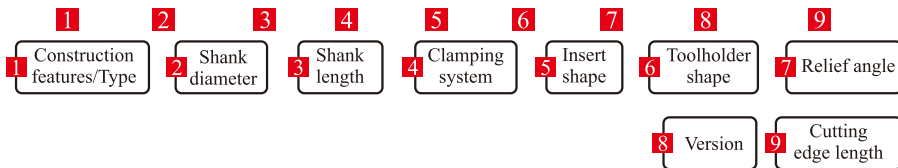
## Boring Bar

Boring Bar Identification System	161
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Shank Material Selection	162
Index of boring bar series	163-168
Index of double insert clamp boring bar series	169-170
Item name, Material and Specification	171-220



## Boring Bar Identification System

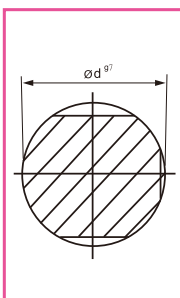
# S 32 S E C L N R 12



### 1 Construction features/Type

Sign	Construction features / Type
S	Steel
A	Steel(w) : Thru coolant
D	Devibrator
C	Carbide
E	Carbide (w) : Thru coolant
H	Alloy tool steel
R	Rotating head

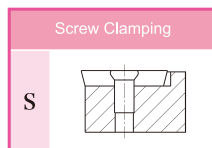
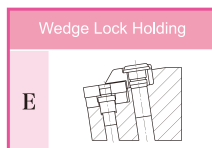
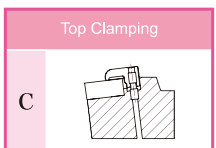
### 2 Shank diameter



### 3 Shank length(mm)

Sign	Length	Sign	Length
H	100	S	250
J	110	T	300
K	125	U	350
M	150	V	400
N	160	W	450
Q	180	Y	500
R	200	X	Special

### 4 Clamping system



### 5 Insert shape

Sign	Insert shape	Angle
C		80°
D		55°
V		35°
K		55°
S		90°
T		60°
W		80°

### 6 Toolholder Shape

Sign	Toolholder shape
L	
U	
F	
K	
Z	
Q	

### 7 Relief Angle

Sign	Relief Angle
B	
C	
N	
P	

### 8 Version

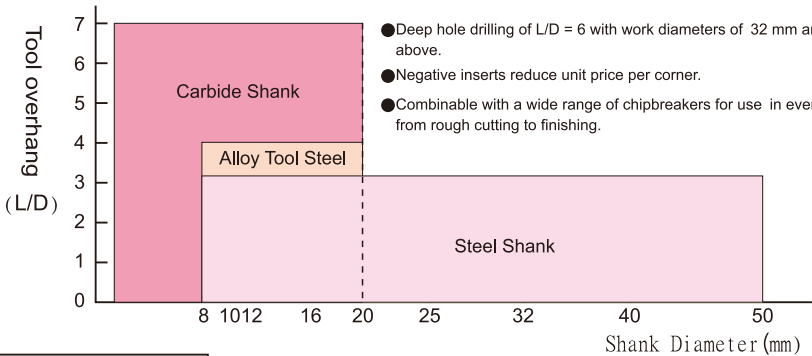
Sign	Direction
R	
L	

### 9 Cutting Edge Length


## Steel / carbide shank applications

Sign	Shank Type	Drawing
A	Steel Shank With Oil Hole	
C	Carbide Shank	
S	Steel Shank	
H	Alloy Tool Steel	
-O	Alloy Tool Steel Shank With Oil Hole	

## Application range by shank type



Cutting Speed  $V_c=20\sim 200\text{m/min}$   
 Depth-of-cut  $a_p=0.1\sim 2.0\text{mm}$   
 Feed Rate  $f=0.1\sim 0.3\text{mm/rev}$

※ Actual amount of overhang may differ according to work material, tool shape, and machining conditions.

## Shank Material Selection


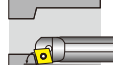



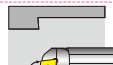

















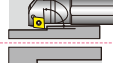

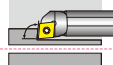

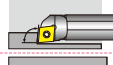
Application	Type	Steel Shank	Alloy Tool Steel	Carbide Shank
General Steel	(L/D < 3) Shallow Hole	◎ (More economical)		
	(L/D < 3) Deep Hole			◎
Alloy Tool Steel	(L/D < 4) Deep Hole		◎	
	High efficiency boring by wiper insert			◎
	Hardened Steel			◎
	High precision boring			◎



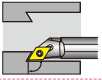


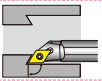


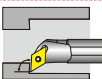


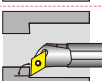


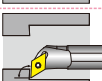


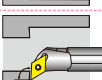


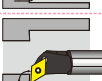


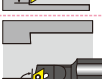


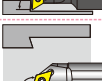


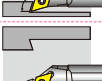


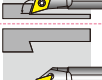


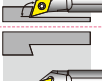


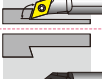


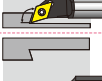


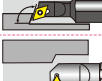


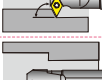

## Index Of Boring Bar Series



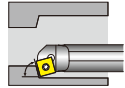

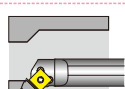


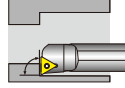

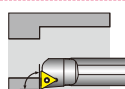

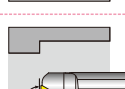



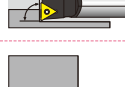



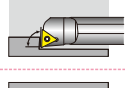

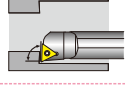

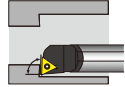

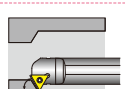
Index Of Boring Bar Series


 80°  
 Diamond  
 Type  
 C

**G**  
 BORING  
 BAR


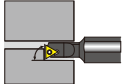


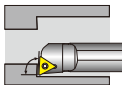
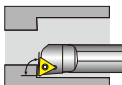
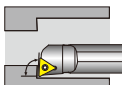

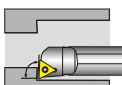
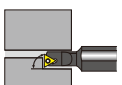
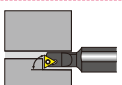
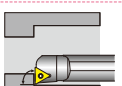
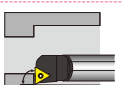


Insert Type	Tool Type & Material Code	Tooling	Shank Dia.(mm)	Page
S	S-SCKC 	 <b>75°</b>	Ø8 Ø16 Ø10 Ø20 Ø12 Ø25	171
	S-SCLC 	 <b>95°</b>	Ø8 Ø14 Ø20 Ø40 Ø10 Ø16 Ø25 Ø12 Ø18 Ø32	172
A	A-SCLC 	 <b>95°</b>	Ø8 Ø16 Ø10 Ø20 Ø12 Ø25	172
H	H-SCLC 	 <b>95°</b>	Ø8 Ø16 Ø32 Ø10 Ø20 Ø40 Ø12 Ø25	173
-O	H-SCLC-O 	 <b>95°</b>	Ø8 Ø16 Ø10 Ø20 Ø12 Ø25	173
C	C-SCLC 	 <b>95°</b>	Ø8 Ø16 Ø10 Ø20 Ø12 Ø25	173
	C-SCLC 	 <b>5°</b>	Ø4 Ø5 Ø6	174
S	S1000-SCLC S1200-SCLC S1600-SCLC 	 <b>95°</b>	Ø8 Ø18 Ø11 Ø14	175
H	H1000-SCLC H1200-SCLC H1600-SCLC 	 <b>95°</b>	Ø8 Ø16 Ø10 Ø12	175
A	A0000-SCLC 	 <b>95°</b>	Ø8 Ø16 Ø32 Ø10 Ø20 Ø40 Ø12 Ø25	176
S	S-SCZC 	 <b>93°</b>	Ø8 Ø16 Ø10 Ø20 Ø12 Ø25	177
	S-SCLP 	 <b>95°</b>	Ø10 Ø16 Ø25 Ø12 Ø18 Ø14 Ø20	178
H	H-SCLP 	 <b>95°</b>	Ø10 Ø20 Ø12 Ø25 Ø16	178
C	C-SCLP 	 <b>95°</b>	Ø10 Ø20 Ø12 Ø25 Ø16	178


















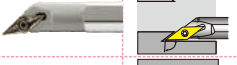














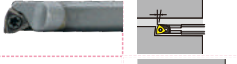



Insert Type	Tool Type & Material Code	Tooling	Shank Dia.(mm)	Page	
 55° Diamond Type D	S	S-SDJC	  	Ø8 Ø16 Ø10 Ø20 Ø12 Ø25	195
	H	H-SDJC	  	Ø8 Ø16 Ø10 Ø20 Ø12 Ø25	179
	S	S-SDUC	  	Ø10 Ø20 Ø40 Ø12 Ø25 Ø16 Ø32	180
	A	A-SDUC	  	Ø10 Ø12 Ø16	180
	H	H-SDUC	  	Ø10 Ø20 Ø40 Ø12 Ø25 Ø16 Ø32	180
	-O	H-SDUC-O	  	Ø10 Ø20 Ø12 Ø25 Ø16	181
	C	C-SDUC	  	Ø10 Ø20 Ø12 Ø25 Ø16	181
	A	A0000-SDUC	  	Ø10 Ø12 Ø16	181
	S	S-SDQC	  	Ø10 Ø20 Ø12 Ø25 Ø16 Ø32	182
	A	A-SDQC	  	Ø10 Ø12 Ø16	182
	H	H-SDQC	  	Ø10 Ø20 Ø12 Ø25 Ø16 Ø32	182
	-O	H-SDQC-O	  	Ø10 Ø20 Ø12 Ø25 Ø16	183
	C	C-SDQC	  	Ø10 Ø20 Ø12 Ø25 Ø16	183
	A	A0000-SDQC	  	Ø10 Ø12 Ø16	183
	S	S-SDWC	  	Ø12 Ø25 Ø16 Ø32 Ø20	184
	S	S-SDZC	  	Ø10 Ø20 Ø40 Ø12 Ø25 Ø16 Ø32	184

Insert Type	Tool Type & Material Code	Tooling	Shank Dia. (mm)	Page
 Square Type S	S-SSKC	  <span style="background-color: red; color: white; border-radius: 50%; padding: 2px 5px; font-weight: bold;">75°</span>	Ø12 Ø25 Ø16 Ø20	185
	S-SSSC	  <span style="background-color: red; color: white; border-radius: 50%; padding: 2px 5px; font-weight: bold;">45°</span>	Ø12 Ø25 Ø16 Ø32 Ø20	185
 Triangular Type T	S-STFC	  <span style="background-color: red; color: white; border-radius: 50%; padding: 2px 5px; font-weight: bold;">91°</span>	Ø8 Ø16 Ø10 Ø20 Ø12 Ø25	186
	A-STFC	  <span style="background-color: red; color: white; border-radius: 50%; padding: 2px 5px; font-weight: bold;">91°</span>	Ø8 Ø16 Ø10 Ø12	186
	H-STFC	  <span style="background-color: red; color: white; border-radius: 50%; padding: 2px 5px; font-weight: bold;">91°</span>	Ø8 Ø16 Ø10 Ø20 Ø12 Ø25	186
	C-STFC	  <span style="background-color: red; color: white; border-radius: 50%; padding: 2px 5px; font-weight: bold;">91°</span>	Ø8 Ø16 Ø10 Ø20 Ø12	187
	A0000-STFC	  <span style="background-color: red; color: white; border-radius: 50%; padding: 2px 5px; font-weight: bold;">91°</span>	Ø7 Ø9 Ø11	187
	S-STUC	  <span style="background-color: red; color: white; border-radius: 50%; padding: 2px 5px; font-weight: bold;">93°</span>	Ø8 Ø14 Ø25 Ø10 Ø16 Ø32 Ø12 Ø20	188
	H-STUC	  <span style="background-color: red; color: white; border-radius: 50%; padding: 2px 5px; font-weight: bold;">93°</span>	Ø8 Ø16 Ø10 Ø20 Ø12 Ø25	188
	C-STUC	  <span style="background-color: red; color: white; border-radius: 50%; padding: 2px 5px; font-weight: bold;">93°</span>	Ø8 Ø16 Ø10 Ø20 Ø12	188
	S-STWC	  <span style="background-color: red; color: white; border-radius: 50%; padding: 2px 5px; font-weight: bold;">60°</span>	Ø8 Ø16 Ø32 Ø10 Ø20 Ø40 Ø12 Ø25	189
	S1600-STUB	  <span style="background-color: red; color: white; border-radius: 50%; padding: 2px 5px; font-weight: bold;">93°</span>	Ø8	190

**G**  
 BORING BAR




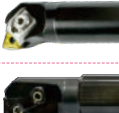












-  C
-  D
-  E
-  S
-  T
-  M
-  V
-  W
-  S
-  ER/IR

Insert Type	Tool Type & Material Code	Tooling	Shank Dia.(mm)	Page
 Triangular Type T	H1600-STUB		Ø7 Ø10 Ø8 Ø9	190
	S-STUB		Ø6	190
	C-STUB		Ø6 Ø8	190
	S-STUP (STUB)		Ø8 Ø14 Ø20 Ø10 Ø16 Ø25 Ø12 Ø18	191
	A-STUP		Ø8 Ø16 Ø10 Ø20 Ø12	191
	H-STUP		Ø8 Ø16 Ø10 Ø20 Ø12 Ø25	192
	H-STUP-O		Ø8 Ø16 Ø10 Ø20 Ø12	192
	C-STUP		Ø8 Ø16 Ø10 Ø20 Ø12	193
	S1600-STUP		Ø16	193
	H1600-STUP		Ø16	193
	S-STFP		Ø10 Ø20 Ø12 Ø16	194
	C-STFP		Ø8 Ø10 Ø12	194
	S-STWP		Ø8 Ø16 Ø10 Ø20 Ø12	194

Insert Type	Tool Type & Material Code	Tooling	Shank Dia.(mm)	Page
 35° Diamond Type V	S S-SVJB		 Ø10 Ø20 Ø40 Ø12 Ø25 Ø16 Ø32	195
	H H-SVJB		 Ø10 Ø20 Ø12 Ø25 Ø16	195
	S S-FSVJB		 Ø16 Ø20 Ø25	196
	S S-SVUB		 Ø16 Ø32 Ø20 Ø40 Ø25	196
	S S-SVVB		 Ø32 Ø40	197
	S S-SVQB		 Ø16 Ø32 Ø20 Ø40 Ø25	197
	<b>NEW</b> S-SVZB		 Ø16 Ø32 Ø20 Ø40 Ø25	198
	S S-SVJC		 Ø10 Ø20 Ø40 Ø12 Ø25 Ø16 Ø32	199
	H H-SVJC		 Ø10 Ø20 Ø12 Ø25 Ø16	199
	S S-FSVJC		 Ø16 Ø20 Ø25	200
	S S-SVUC		 Ø16 Ø32 Ø20 Ø40 Ø25	200
	S S-SVVCN		 Ø32 Ø40	201
	S S-SVQC		 Ø16 Ø32 Ø20 Ø25	201
	<b>NEW</b> S-SVZC		 Ø16 Ø32 Ø20 Ø40 Ø25	202
 Hexagon Type W	S S1000-SWUB		 Ø10 Ø12 Ø16	203
	C C-SWUB		 Ø5 Ø6 Ø7	203
	S C-SWLC		 Ø8 Ø16 Ø10 Ø20 Ø12	204



## Index Of Double Insert Clamp Boring Bar Series

Insert Type	Tool Type & Material Code	Tooling	Shank Dia.(mm)	Page
 80° Diamond Type C	S-ECKN		E Ø32 Ø50 Ø40	205
	S-MCKN		M Ø20 Ø32 Ø50 Ø25 Ø40	
	S-ECLN		E Ø32 Ø50 Ø63 Ø40 Ø60	206
	S-MCLN		M Ø16 Ø25 Ø40 Ø20 Ø32 Ø50	
 55° Diamond Type D	S-EDQN		E Ø40 Ø50	207
	S-MDQN		M Ø25 Ø40 Ø32 Ø50	
	S-EDUN		E Ø40 Ø50	208
	S-MDUN		M Ø25 Ø40 Ø32 Ø50	
	S-MDZN		Ø32 Ø40 Ø50	208
 Square Type S	S-MSKN		Ø20 Ø25 Ø32 Ø40 Ø50	209
 Triangular Type T	S-ETUN		Ø25 Ø63 Ø32 Ø40 Ø50 Ø60	210
	S-MTUN		Ø16 Ø50 Ø20 Ø25 Ø32 Ø40	211

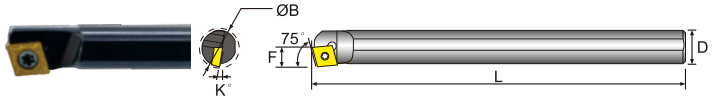
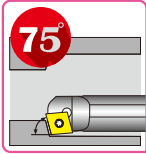
**G**  
BORING  
BAR



Insert Type	Tool Type & Material Code	Tooling	Shank Dia.(mm)	Page
 Triangular Type T	S-ETLN	 95°	Ø20 Ø25	212
	S-MTFN	 91°	Ø20 Ø50 Ø25 Ø32 Ø40	212
	S-ETQN	 105°	E Ø20 Ø32 Ø50 Ø25 Ø40	213
	S-MTQN	 105°	M Ø20 Ø32 Ø50 Ø25 Ø40	
	S-MTWN	 60°	Ø16 Ø40 Ø20 Ø50 Ø25 Ø32	214
 35° Diamond Type V	S-EVUN	 93°	E Ø40 Ø50	215
	S-MVUN	 93°	M Ø25 Ø40 Ø32 Ø50	
	S-EVQN	 117.5°	E Ø40 Ø50	216
	S-MVQN	 117.5°	M Ø25 Ø40 Ø32 Ø50	
	S-EVLN S-MVLN	 95°	E Ø40 Ø50	217
S-EVLN S-MVLN	 95°	M Ø25 Ø40 Ø32 Ø50		
 Hexagon Type W	S-EWLN	 95°	E Ø20 Ø32 Ø50 Ø25 Ø40	218
	S-MWLN	 95°	M Ø16 Ø32 Ø50 Ø20 Ø40	
 External Holder ER / IR	S SIN		Ø10 Ø20 Ø12 Ø25 Ø16 Ø32	219
	C CIN		Ø10 Ø12 Ø16	220

**G**  
 BORING BAR

 C  
 D E  
 S  
 T M  
 V  
 W S  
 ER/IR

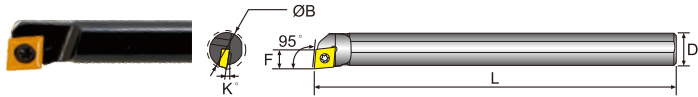
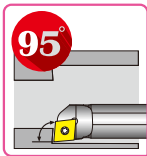


Shank	Model No	Stock		Min. Bore Dia.	D	F	K°	L	Insert	Screw	Wrench	Price
		R	L									
S	S08K-SCKCR/L06-10	●	●	10	8	5	15	125	CC□□ 0602□□	CS25048	T-8	
	S10K-SCKCR/L06-12	●	●	12	10	6	13	125				
	S12M-SCKCR/L06-14	●	●	14	12	8	10	150				
	S16Q-SCKCR/L06-18	●	●	18	16	10	7	180				
	S12M-SCKCR/L09-16	●	●	16	12	8	12	150	CC□□ 09T3□□	CS35	T-15	
	S16Q-SCKCR/L09-18	●	●	18	16	9	7	180				
	S20R-SCKCR/L09-22	●	●	22	20	11	8	200				
	S25R-SCKCR/L09	●	●	31	25	14	8	200				

●Insert Detail : CC□□0602□□、CC□□09T3□□→Ref. Page-I

●Sleeve refer Page-310~314



**SCLC** Boring Bar  
 Right Hand Show


Boring Bar

**G**  
 BORING  
 BAR

CC

E

S

M

V

W

ER/IR

**S**

Shank	Model No	Stock		Min. Bore Dia.				L	Insert	Screw	Wrench	Price	
		R	L	ØB	D	F	K*						
S	S08K-SCLCR/L06-09	●	●	9	8	4.5	15	125	CC□□ 0602□□	CS25048	T-8		
	S08K-SCLCR/L06-10	●	●	10	8	5.5	9	125					
	S10K-SCLCR/L06-12	●	●	12	10	6	12	125		CS25			
	S12M-SCLCR/L06-14	●	●	14	12	7	12	150					
	S16Q-SCLCR/L06-18	●	●	18	16	9	7	180	CC□□ 09T3□□	CS35		T-15	
	S12M-SCLCR/L09-14	●	●	14	12	7	7	150					
	S12M-SCLCR/L09-16	●	●	16	12	8.5	13	150					
	S14M-SCLCR/L09-16	●	●	16	14	8	7	150					
	S16Q-SCLCR/L09-18	●	●	18	16	9	9	180					
	S18Q-SCLCR/L09-20	●	●	20	18	10	7	180					
	S20R-SCLCR/L09-22	●	●	22	20	11	10	200	CC□□ 1204□□	CS45			
	S25R-SCLCR/L09	●	●	32	25	17	7	200					
	S32S-SCLCR/L09	●	●	39	32	18	6	250					
	S40T-SCLCR/L09	●	●	42	40	22	4	300					
	S20R-SCLCR/L12-22	●	●	22	20	12	8	200					
	S25R-SCLCR/L12	●	●	32	25	14	8	200					
S32S-SCLCR/L12	●	●	39	32	18	6	250						
S40T-SCLCR/L12	●	●	44	40	22	4	300						
A	A08K-SCLCR/L06-10	●	●	10	8	5.5	9	125	CC□□ 0602□□	CS25048	T-8		
	A10K-SCLCR/L06-12	●	●	12	10	6	12	125				CS25	
	A12M-SCLCR/L06-14	●	●	14	12	7	12	150	CC□□ 09T3□□	CS35			
	A16Q-SCLCR/L09-18	●	●	18	16	9	9	180					

※ Continued on next page.

Shank	Model No	Stock		Min. Bore Dia.	D	F	K°	L	Insert	Screw	Wrench	Price	
		R	L										
A	A20R-SCLCR/L09-22	●	●	22	20	11	10	200	CC□□ 09T3□□	CS35	T-15		
	A25R-SCLCR/L09	●	●	32	25	17	7	200					
H	H08K-SCLCR/L06-09	●	●	9	8	4.5	15	125	CC□□ 0602□□	CS25048	T-8		
	H08K-SCLCR/L06-10	●	●	10	8	5.5	12	125					
	H10K-SCLCR/L06-12	●	●	12	10	6	12	125					
	H12M-SCLCR/L06-14	●	●	14	12	7	6	150		CS25			
	H16Q-SCLCR/L06-18	●	●	18	16	9	7	180					
	H16Q-SCLCR/L09-18	●	●	18	16	9	9	180		CC□□ 09T3□□		CS35	T-15
	H12M-SCLCR/L09-16	●		16	12	8.5	13	150					
	H20R-SCLCR/L09-22	●	●	22	20	11	10	200					
	H25R-SCLCR/L09	●		32	25	17	7	200					
	H25R-SCLCR/L09-28	●	●	32	25	14	7	200					
	H32S-SCLCR/L09	●	●	39	32	18	6	250					
	H40T-SCLCR/L09	●		44	4	22	4	300					
-O	H08K-SCLCR/L06-10-O	●		10	8	5.5	9	125	CC□□ 0602□□	CS25048	T-8		
	H10K-SCLCR/L06-12-O	●		12	10	6	12	125		CS25			
	H12M-SCLCR/L06-14-O	●		14	12	7	6	150	CC□□ 09T3□□	CS35	T-15		
	H12M-SCLCR09-16-O	●	●	16	12	8.5	13	150					
	H16Q-SCLCR/L09-18-O	●		18	16	9	9	180					
	H20R-SCLCR/L09-22-O	●		22	20	11	5	200					
	H25R-SCLCR/L09-O	●		32	25	17	7	200					
C	C08K-SCLCR06-09	●		9	8	4.3	13	125	CC□□ 0602□□	CS25048	T-8		
	C08K-SCLCR/L06-10	●	●	10	8	5.5	9	125					
	C10M-SCLCR/L06-12	●		12	10	6	12	150		CS25			
	C12Q-SCLCR/L06-14	●	●	14	12	7	12	180					
	C12Q-SCLCR/L09-16	●	●	16	12	7	6	180	CC□□ 09T3□□	CS35		T-15	
	C16R-SCLCR/L09-18	●	●	18	16	9	9	200					
	C20S-SCLCR/L09-22	●	●	22	20	11	10	250					
	C25T-SCLCR/L09	●		32	25	17	7	300					

●Insert Detail : CC□□0604□□、CC□□09T3□□、CC□□1204□□→Ref. Page-I  
 ●Sleeve refer Page-310~314

Boring Bar

G

BORING BAR

CC

E

D

S

T

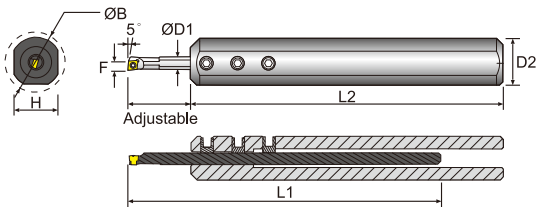
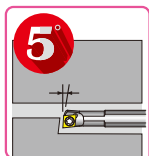
M

V

W

S

ER/IR

**SCLC** Boring Bar  
 Right Hand Show


Shank	Model No	Stock		Min. Bore Dia.		D2	F	H	L1	L2	Insert	Screw	Wrench	Price
		R	L	ØB	ØD1									
C	C04G-SCLCR/L03-05	●	●	5	4	16	2.5	15	90	100	CC□□ 0301□□	CS25	T-8	
	C05H-SCLCR/L03-06	●	●	6	5	16	3	15	100	100	CC□□ 0301□□	CS25	T-8	
	C06J-SCLCR/L04-07	●	●	7	6	16	3.5	15	100	100	CC□□ 0401□□	CS35	T-15	

●Insert Detail : CC□□0301□□、CC□□0401□□→Ref. Page-X、156

●Sleeve refer Page-310~314

Mini Boring Bar

**G**  
 BORING  
 BAR

CC



D



S



T



V



W



ER/IR

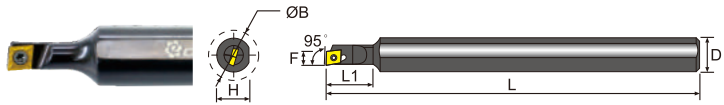
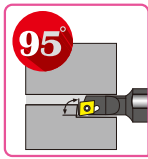


E

M

S

**SCLC** Mini Boring Bar  
Right Hand Show



Shank	Model No	Stock		Min. Bore Dia.						Insert	Screw	Wrench	Price	
		R	L	ØB	D	F	H	L	L1					
S	S0807K-SCLCR/L06	●		8	8	4	7	125	27	CC□□ 0602□□	CS25048	T-8		
	S1004K-SCLCR/L03	●		5	10	2.4	10	125	12	CC□□ 0301□□	CS18	T-6		
	S1204H-SCLCR/L03	●		5	12	2.5	11	100	9	CC□□ 0401□□	CS22	T-7		
	S1206K-SCLCR/L04	●		7	12	3.5	11	125	15	CC□□ 0602□□	CS25	T-8		
	S1607K-SCLCR/L06-08	●		8	16	4	15	125	15	CC□□ 0602□□	CS25	T-8		
	S1608K-SCLCR/L06-09	●		9	16	4.5	15	125	15					
	S1609K-SCLCR/L06-10	●	●	10	16	5	15	125	15					
	S1610K-SCLCR/L06-12	●	●	12	16	6	15	125	15					
H	H1004K-SCLCR/L03	●	●	5	10	2.4	9	125	18	CC□□ 0301□□	CS18	T-6		
	H1204H-SCLCR/L03	●		5	12	2.5	11	100	8	CC□□ 0401□□	CS22	T-7		
	H1206K-SCLCR/L04	●		7	12	3.5	11	125	14	CC□□ 0602□□	CS25	T-8		
	H1607K-SCLCR/L06-08	●		8	16	4	15	125	15	CC□□ 0602□□	CS25	T-8		
	H1608K-SCLCR/L06-09	●		9	16	4.5	15	125	15					
	H1609K-SCLCR/L06-10	●		10	16	5	15	125	15					
	H1610K-SCLCR/L06-12	●		12	16	6	15	125	15					
	C0807K-SCLCR/L06-08	●		8	8	4	7.4	125	27					

●Insert Detail : CC□□0602□□→Ref.Page-I

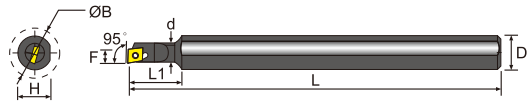
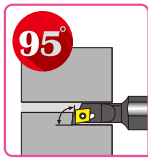
●Sleeve refer Page-310~314

Mini Boring Bar

**G**  
BORING  
BAR



## SET-SCLC Mini Boring Bar Right Hand Show



Shank	Model No	Stock		Min. Bore Dia.		D	d	F	H	L	L1	Insert	Screw	Wrench	Price
		R	L	ØB	ØD										
A	A0608H-SCLCR/L06	●	●	8	8	6	4	7	100	25	CC□□ 0602□□	CS25	T-8		
	A0810J-SCLCR/L06	●	●	12	10	8	6	9	110	32					
	A1012K-SCLCR/L06	●	●	14	12	10	7	11	125	38					
	A1216M-SCLCR/L06	●	●	18	16	12	9	15	150	50					
	A0816SET-SCLCR/L	●	●	A0608H-SCLCR06 * 1 A0810J-SCLCR06 * 1			A1012K-SCLCR06 * 1 A1216M-SCLCR/L06 * 1			CS25048 * 1 CS25 * 5 T-8 * 1					

● Insert Detail : CC□□0602□□→Ref. Page-I

● Sleeve refer Page-310~314

Mini Boring Bar

**G**  
BORING  
BAR

CC

D E

S

T M

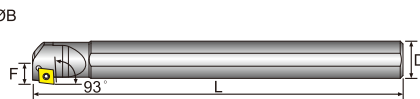
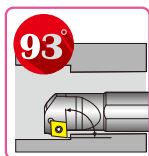
V

W

ER/IR S



**SCZC** Boring Bar  
Right Hand Show



Shank	Model No	Stock		Min. Bore Dia.		F	K°	L	Insert	Screw	Wrench	Price	
		R	L	ØB	D								
S	S08K-SCZCR/L06	●	●	12	8	6.5	13	125	CC□□ 0602□□	CS25048	T-8		
	S10K-SCZCR/L06	●	●	14	10	7.5	12	125		CS25			
	S12M-SCZCR/L06	●	●	16	12	8.5	10	150					
	S16Q-SCZCR/L09	●	●	21	16	11.5	10	180	CC□□ 09T3□□	CS35	T-15		
	S20R-SCZCR/L09	●	●	25	20	13.5	8	200					
	S25R-SCZCR/L09	●	●	32	25	16	6	200					

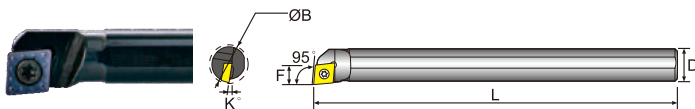
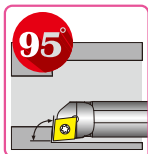
●Insert Detail : CC□□0602□□、CC□□09T3□□→Ref. Page-I

●Sleeve refer Page-310~314

Boring Bar

**G**  
BORING  
BAR



**SCLP** Boring Bar  
 Right Hand Show


Boring Bar

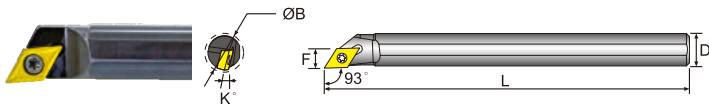
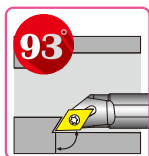
**G**  
 BORING  
 BAR

- CP 
- D 
- S 
- T 
- V 
- W 
- ER/IR 

Shank	Model No	Stock		Min. Bore Dia. ØB	D	F	K*	L	Insert	Screw	Wrench	Price		
		R	L											
S	S10K-SCLPR/L08-12	●	●	12	10	6	10	125	CP□□ 0802□□	CS30	T-10			
	S12M-SCLPR/L08-14	●	●	14	12	7	8	150						
	S12M-SCLPR/L09-14			14	12	7	8	150						
	S12M-SCLPR/L09-16	●	●	16	12	8.5	6	150	CP□□ 0903□□	CS35	T-15			
	S14M-SCLPR/L09-16	●	●	16	14	8.5	9	150						
	S16Q-SCLPR/L09-18	●	●	18	16	9	9	180						
	S18Q-SCLPR/L09-20	●	●	20	18	10	9	180						
	S20R-SCLPR/L09-22	●	●	22	20	11	7	200						
	S25R-SCLPR/L09	●	●	32	25	17	7	200						
H	H10K-SCLPR/L08-12			12	10	6	7	125	CP□□ 0802□□	CS30	T-10			
	H12M-SCLPR/L08-14			14	12	7	6	150						
	H12M-SCLPR/L09-16			16	12	8.5	6	150	CP□□ 0903□□	CS35	T-15			
	H16Q-SCLPR/L09-18			18	16	9	4	180						
	H20R-SCLPR/L09-22			22	20	11	4	200						
	H25R-SCLPR/L09-28			32	25	14	4	200						
C	C10M-SCLPR/L08-12			12	10	6	7	150	CP□□ 0802□□	CS30	T-10			
	C12Q-SCLPR/L08-14			14	12	7	6	180						
	C12Q-SCLPR/L09-16			16	12	8	6	180	CP□□ 0903□□	CS35	T-15			
	C16R-SCLPR/L09-18			18	16	9	4	200						
	C20S-SCLPR/L09-22			22	20	11	4	250						
	C25T-SCLPR/L09			32	25	17	4	300						

● Insert Detail : CP□□0903□□→Ref.Page-K  
 ● Sleeve refer Page-310~314

**SDJC** Boring Bar  
Right Hand Show



Shank	Model No	Stock		Min. Bore Dia.				L	Insert	Screw	Wrench	Price
		R	L	ØB	D	F	K					
S	S08K-SDJCR/L07	●	●	10	8	5	10	125	DC□□ 0702□□	CS25048	T-8	
	S10K-SDJCR/L07	●	●	12	10	6	13	125				
	S12M-SDJCR/L07	●	●	14	12	7	12	150				
	S16Q-SDJCR/L07	●	●	19	16	9	12	180	DC□□ 11T3□□	CS25		
	S16Q-SDJCR/L11	●	●	19	16	9	12	180				
	S20R-SDJCR/L11	●	●	24	20	10.5	10	200		CS35	T-15	
	S25R-SDJCR/L11	●	●	30	25	13.5	8	200				
H	H08K-SDJCR/L07	●		10	8	5	10	125	DC□□ 0702□□	CS25048	T-8	
	H10K-SDJCR/L07	●		12	10	6	13	125				
	H12M-SDJCR/L07	●		14	12	7	12	150				
	H16Q-SDJCR/L07	●		19	16	9	12	180	DC□□ 11T3□□	CS25		
	H16Q-SDJCR/L11	●		19	16	9	12	180				
	H20R-SDJCR/L11	●		24	20	10.5	10	200		CS35	T-15	
	H25R-SDJCR/L11	●		30	25	13.5	8	200				

●Insert Detail : DC□□0702□□、DC□□11T3□□→Ref. Page-L

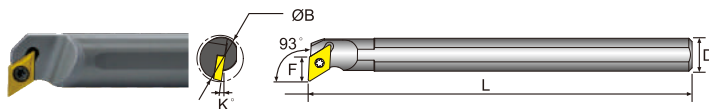
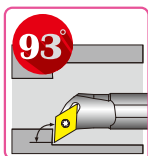
●Sleeve refer Page-310~314

Boring Bar

**G**  
BORING  
BAR



**SDUC** Boring Bar  
 Right Hand Show

 **New Specification Arrival**


Boring Bar

**G**  
 BORING  
 BAR

**C**  
**DC** **E**
**S**  
**T** **M**  
**V**  
**W** **S**  
**ER/IR**

Shank	Model No	Stock		Min. Bore Dia.	D	F	K°	L	Insert	Screw	Wrench	Price		
		R	L											
S	S10K-SDUCR/L07	●	●	14	10	8	9	125	DC□□ 0702□□	CS25	T-8			
	S12M-SDUCR/L07	●	●	16	12	9	8	150						
	S16Q-SDUCR/L07	●	●	20	16	11	6	180						
	S16Q-SDUCR/L11	●	●	20	16	11	6	180	DC□□ 11T3□□	CS35	T-15			
	S20R-SDUCR/L11	●	●	25	20	13	8	200						
	S25R-SDUCR/L11	●	●	32	25	17	6	200						
	S32S-SDUCR/L11	●	●	39	32	20	4	250						
	S40T-SDUCR/L11	●	●	45	40	24	2	300						
	S50U-SDUCR/L11	●	●	64	50	32	6	350						
A	A10K-SDUCR/L07	●		14	10	8	9	125	DC□□ 0702□□	CS25	T-8			
	A12M-SDUCR/L07	●	●	16	12	9	8	150						
	A16Q-SDUCR/L07	●		20	16	11	6	180						
	A16Q-SDUCR/L11	●		20	16	11	6	180	DC□□ 11T3□□	CS35	T-15			
	A20R-SDUCR/L11	●		25	20	13	8	200						
	<b>NEW</b> A25R-SDUCR11	●	●	32	25	17	6	200						
H	H10K-SDUCR/L07	●	●	14	10	8	9	125	DC□□ 0702□□	CS25	T-8			
	H12M-SDUCR/L07	●	●	16	12	9	8	150						
	H16Q-SDUCR/L07	●	●	20	16	11	6	180						
	H16Q-SDUCR/L11	●		20	16	11	6	180	DC□□ 11T3□□	CS35	T-15			
	H20R-SDUCR/L11	●		25	20	13	8	200						
	H25R-SDUCR/L11	●		32	25	17	6	200						
	H32S-SDUCR/L11	●		39	32	20	4	250						
	H40T-SDUCR/L11	●		28	40	24	2	300						

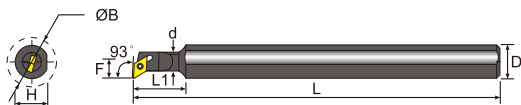
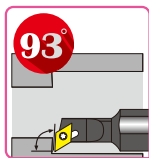
※ Continued on next page.

Shank	Model No	Stock		Min. Bore Dia.		D	F	K <sup>*</sup>	L	Insert	Screw	Wrench	Price		
		R	L	ØB	ØD										
-O	H10K-SDUCR/L07-O	●		14		10	8	9	125	DC□□ 0702□□	CS25	T-8			
	H12M-SDUCR/L07-O	●		16		12	9	8	150						
	H16Q-SDUCR/L07-O	●		20		16	11	6	180						
	H16Q-SDUCR/L11-O	●		20		16	11	6	180	DC□□ 11T3□□	CS35	T-15			
	H20R-SDUCR/L11-O	●		25		20	13	8	200						
	H25R-SDUCR/L11-O	●		32		25	17	6	200						
C	C10M-SDUCR/L07	●		14		10	8	9	150	DC□□ 0702□□	CS25	T-8			
	C12Q-SDUCR/L07	●	●	16		12	9	8	180						
	C16R-SDUCR/L07	●	●	20		16	11	6	200						
	C20S-SDUCR/L11	●	●	25		20	13	8	250	DC□□ 11T3□□	CS35	T-15			
	C25T-SDUCR/L11	●		32		25	17	6	300						

●Insert Detail : DC□□0702□□、DC□□11T3□□→Ref.Page-L

●Sleeve refer Page-310~314

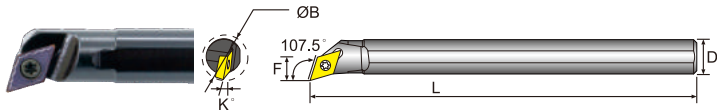
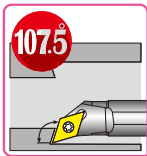
## SET-SDUC Mini Boring Bar Right Hand Show



Shank	Model No	Stock		Min. Bore Dia.		D	d	F	H	L	L1	Insert	Screw	Wrench	Price		
		R	L	ØB	ØD												
A	A0810J-SDUCR/L07	●	●	12.5		10	8	5	9	110	22	DC□□ 0702□□	CS25	T-8			
	A1012K-SDUCR/L07	●	●	15.5		12	10	9	11	125	28						
	A1216M-SDUCR/L07	●	●	19.5		16	12	5	15	150	36						
	A1016SET-SDUCR/L	●	●	A0810J-SDUCR07 * 1 A1012K-SDUCR07 * 1				A1216M-SDUCR07 * 1 CS25048 * 1				CS25 * 5 T-8 * 1					

●Insert Detail : DC□□0702□□→Ref.Page-L

●Sleeve refer Page-310~314

**SDQC** Boring Bar  
 Right Hand Show


Boring Bar

**G**  
 BORING BAR

 C  

**DC** E  


 S  


 T  


 V  


 W  

**S**  
 ER/IR  


Shank	Model No	Stock		Min. Bore Dia.				L	Insert	Screw	Wrench	Price		
		R	L	ØB	D	F	K*							
S	S10K-SDQCR/L07	●	●	13	10	7	10	125	DC□□ 0702□□	CS25	T-8			
	S12M-SDQCR/L07	●	●	16	12	9	8	150						
	S16Q-SDQCR/L07	●	●	20	16	11	5	180						
	S16Q-SDQCR/L11	●	●	20	16	11	6	180	DC□□ 11T3□□	CS35	T-15			
	S20R-SDQCR/L11	●	●	25	20	13	8	200						
	S25R-SDQCR/L11	●	●	32	25	17	4	200						
	S32S-SDQCR/L11	●	●	39	32	20	4	250						
	S40T-SDQCR/L11			44	40	23	2	300						
A	A10K-SDQCR/L07	●		13	10	7	9	125	DC□□ 0702□□	CS25	T-8			
	A12M-SDQCR/L07	●		16	12	9	8	150						
	A16Q-SDQCR/L07	●		20	16	11	5	180						
	A16Q-SDQCR/L11	●	●	20	16	11	6	180	DC□□ 11T3□□	CS35	T-15			
H	H10K-SDQCR/L07	●	●	13	10	7	10	125	DC□□ 0702□□	CS25	T-8			
	H12M-SDQCR/L07	●	●	16	12	9	8	150						
	H16Q-SDQCR/L07	●	●	20	16	11	6	180						
	H16Q-SDQCR/L07	●		20	16	11	6	180	DC□□ 11T3□□	CS35	T-15			
	H20R-SDQCR/L11	●		25	20	13	8	200						
	H25R-SDQCR/L11	●		32	25	17	4	200						
	H32S-SDQCR/L11			37	32	20	4	250						

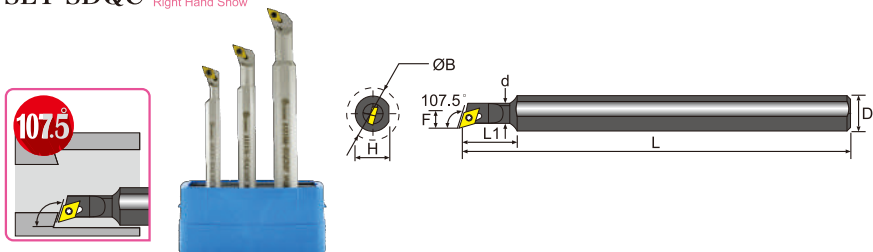
※ Continued on next page.

Shank	Model No	Stock		Min. Bore Dia.		D	F	K°	L	Insert	Screw	Wrench	Price		
		R	L	ØB	ØD										
-O	H10K-SDQCR/L07-O	●		13		10	7	10	125	DC□□ 0702□□	CS25	T-8			
	H12M-SDQCR/L07-O	●		16		12	9	8	150						
	H16Q-SDQCR/L07-O	●		20		16	11	6	180						
	H16Q-SDQCR/L11-O	●		20		16	11	6	180	DC□□ 11T3□□	CS35	T-15			
	H20R-SDQCR/L11-O	●		25		20	13	8	200						
	H25R-SDQCR/L11-O	●		32		25	17	4	200						
C	C10M-SDQCR/L07	●		13		10	7	10	150	DC□□ 11T3□□	CS35	T-15			
	C12Q-SDQCR/L07	●	●	16		12	9	8	180						
	C16R-SDQCR/L07	●	●	20		16	11	6	200						
	C16R-SDQCR/L11	●	●	20		16	11	6	200	DC□□ 11T3□□	CS35	T-15			
	C20S-SDQCR/L11	●		25		20	13	8	250						
	S25T-SDQCR/L11			32		25	17	4	300						

●Insert Detail : DC□□0702□□、DC□□11T3□□→Ref.Page-L

●Sleeve refer Page-310~314

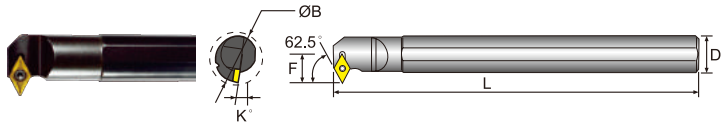
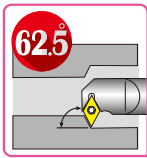
### SET-SDQC Mini Boring Bar Right Hand Show



Shank	Model No	Stock		Min. Bore Dia.		D	d	F	H	L	L1	Insert	Screw	Wrench	Price		
		R	L	ØB	ØD												
A	A0810J-SDQCR/L07	●	●	14		10	8	7	9	110	22	DC□□ 0702□□	CS25	T-8			
	A1012K-SDQCR/L07	●	●	18		12	10	9	11	125	28						
	A1216M-SDQCR/L07	●	●	22		16	12	11	15	150	36						
	A1016SET-SDQCR/L	●	●	A0810J-SDQCR07 * 1 A1012K-SDQCR07 * 1				A1216M-SDQCR07 * 1				CS25 * 6 T-8 * 1					

●Insert Detail : DC□□0702□□→Ref.Page-L

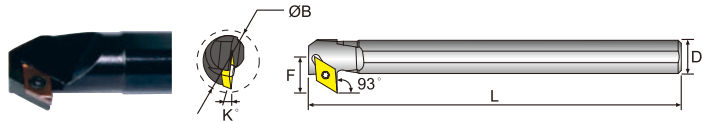
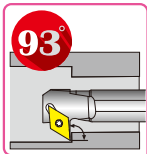
●Sleeve refer Page-310~314

**SDWC** Boring Bar  
 Right Hand Show


Shank	Model No	Stock		Min. Bore Dia.				Insert	Screw	Wrench	Price			
		R	L	ØB	D	F	K					L		
S	S12M-SDWCR/L07	●	●	19	12	10.5	10	150	DC□□ 0702□□	CS25	T-8			
	S16Q-SDWCR/L07	●	●	23	16	12.5	8	180						
	S20R-SDWCR/L07	●	●	27	20	14.5	6	200						
	S20R-SDWCR/L11	●	●	27	20	14.5	6	200	DC□□ 11T3□□	CS35	T-15			
	S25R-SDWCR/L11	●	●	32	25	17	4	200						
	S32S-SDWCR/L11	●	●	40	32	20	2	250						

- Insert Detail : DC□□0702□□、DC□□11T3□□→Ref.Page-L
- Sleeve refer Page-310~314

Boring Bar

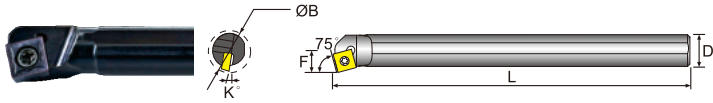
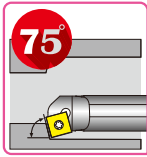
**SDZC** Boring Bar  
 Right Hand Show


Shank	Model No	Stock		Min. Bore Dia.				Insert	Screw	Wrench	Price			
		R	L	ØB	D	F	K					L		
S	S10K-SDZCR/L07	●	●	15	10	8.5	12	125	DC□□ 0702□□	CS25	T-8			
	S12M-SDZCR/L07	●	●	17	12	10.5	9	150						
	S16Q-SDZCR/L07	●	●	21	16	12.5	8	18						
	S20R-SDZCR/L11	●	●	26	20	16.5	8	200	DC□□ 11T3□□	CS35	T-15			
	S25R-SDZCR/L11	●	●	32	25	19	6	200						
	S32S-SDZCR/L11	●	●	39	32	22.5	4	250						
	S40T-SDZCR/L11	●	●	47	40	26.5	4	300						

- Insert Detail : DC□□0702□□、DC□□11T3□□→Ref.Page-L
- Sleeve refer Page-310~314



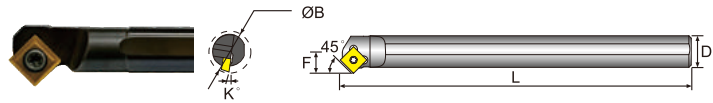
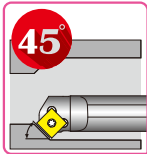
**SSKC** Boring Bar  
Right Hand Show



Shank	Model No	Stock		Min. Bore Dia.		D	F	K°	L	Insert	Screw	Wrench	Price
		R	L	ØB	D								
S	S12M-SSKCR/L09	●	●	14	12	8.5	13	150	SC□□ 09T3□□	CS35	T-15		
	S16N-SSKCR/L09	●	●	20	16	10.5	9	160					
	S16Q-SSKCR/L09	●	●	20	16	10.5	9	180					
	S20R-SSKCR/L09	●	●	24	20	12.5	10	200					
	S25R-SSKCR/L09	●	●	29	25	15	7	200					

- Insert Detail : SC□□09T3□□→Ref.Page-P
- Sleeve refer Page-310~314

**SSSC** Boring Bar  
Right Hand Show



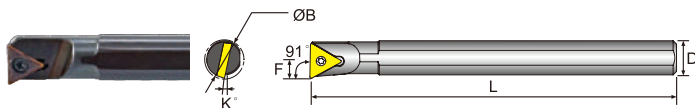
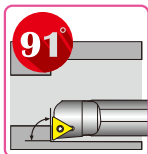
Shank	Model No	Stock		Min. Bore Dia.		D	F	K°	L	Insert	Screw	Wrench	Price
		R	L	ØB	D								
S	S12M-SSSCR/L09	●	●	16	12	9.5	12	150	SC□□ 09T3□□	CS35	T-15		
	S16Q-SSSCR/L09	●	●	22	16	12.5	10	180					
	S20R-SSSCR/L09	●	●	26	20	14.5	8	200					
	S25R-SSSCR/L09	●	●	31	25	17	6	200					
	S32S-SSSCR09	●	●	37	32	20.5	4	250					

- Insert Detail : SC□□09T3□□→Ref.Page-P
- Sleeve refer Page-310~314

Boring Bar

**G**  
BORING  
BAR



**STFC** Boring Bar  
 Right Hand Show


Boring Bar

**G**  
 BORING  
 BAR

-  C
-  D
-  E
-  S
-  TC
-  M
-  V
-  W
-  ER/IR

Shank	Model No	Stock		Min. Bore Dia.	D	F	K°	L	Insert	Screw	Wrench	Price				
		R	L										ØB			
S	S08K-STFCR/L09-10	●	●	10	8	5.5	12	125	TC□□ 0902□□	CS22	T-7					
	S10K-STFCR/L09-12	●	●	12	10	6	15	125								
	S12M-STFCR/L09-14	●	●	14	12	7	10	150								
	S	S10K-STFCR/L11-12	●	●	12	10	6	12	125	TC□□ 1102□□	CS25	T-8				
		S12M-STFCR/L11-14	●	●	14	12	7	10	150							
		S16Q-STFCR/L11-18	●	●	18	16	9	6	180							
		S20R-STFCR/L11-22	●	●	22	20	11	3	200							
		S20R-STFCR/L16-22	●	●	22	20	11	3	200				TC□□ 16T3□□	CS35	T-15	
	S25R-STFCR/L16	●	●	32	25	16	2	200								
A	A08K-STFCR/L09-10	●		10	8	5.5	12	125	TC□□ 0902□□	CS22	T-7					
	A10K-STFCR/L11-12	●		12	10	6	12	125	TC□□ 1102□□	CS25	T-8					
	A12M-STFCR/L11-14	●		14	12	7	10	150								
	A16Q-STFCR/L11-18	●		18	16	9	6	180								
H	H08K-STFCR/L09-10	●		10	8	5.5	12	125				TC□□ 0902□□	CS22	T-7		
	H10K-STFCR/L09-12	●		12	10	6	15	125								
	H12M-STFCR/L09-14	●		14	12	7	10	150								
	H	H10K-STFCR/L11-12	●		12	10	6	15	125	TC□□ 1102□□	CS25	T-8				
		H12M-STFCR/L11-14	●		14	12	7	10	150							
		H16Q-STFCR/L11-18	●		18	16	9	6	180							
		H20R-STFCR/L11-22	●		2	20	11	3	200							
		H20R-STFCR/L16-22	●		22	20	11	3	200				TC□□ 16T3□□	CS35	T-15	
		H25R-STFCR/L16	●		32	25	14	2	200							

※ Continued on next page.

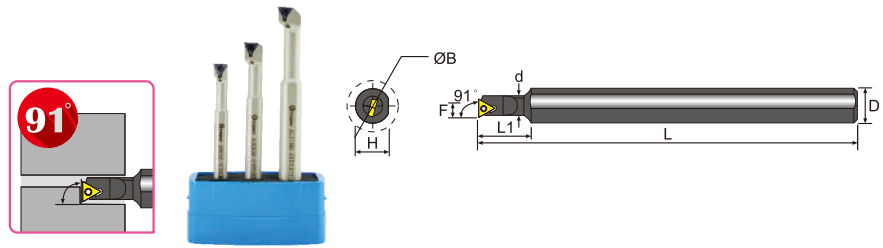


Shank	Model No	Stock		Min. Bore Dia.		D	F	K°	L	Insert	Screw	Wrench	Price
		R	L	ØB	ØD								
C	C08K-STFCR/L09-10	●		10	8	5.5	12	125	TC□□ 0902□□	CS22	T-7		
	C10M-STFCR/L09-12	●		12	10	6	15	150					
	C12Q-STFCR/L09-14	●		14	12	7	10	180					
	C12Q-STFCR/L11-14	●		14	12	7	10	180	TC□□ 1102□□	CS25	T-8		
	C16R-STFCR/L11-18	●		18	16	9	6	200					
	C20S-STFCR/L11-22	●		22	20	11	3	250					

●Insert Detail : TC□□0902□□、TC□□1102□□、TC□□16T3□□→Ref.Page-S

●Sleeve refer Page-310~314

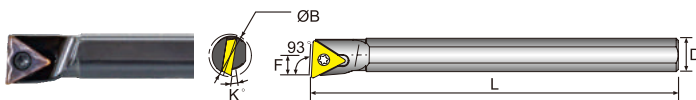
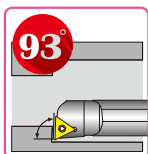
**SET-STFC** Mini Boring Bar Right Hand Show



Shank	Model No	Stock		Min. Bore Dia.		D	d	F	H	L	L1	Insert	Screw	Wrench	Price
		R	L	ØB	ØD										
A	A0810J-STFCR/L11	●	●	14	8	7	9	110	32	TC□□ 1102□□	CS25	T-8			
	A1012K-STFCR/L11	●	●	18	10	9	9	125	38						
	A1216M-STFCR/L11	●	●	22	12	11	11	150	50						
	A1016SET-STFCR/L	●	●	A0810J-STFCR11 * 1 A1012K-STFCR11 * 1					A1216M-STFCR11 * 1 CS25048 * 1			CS25 * 5 T-8 * 1			

●Insert Detail : TC□□1102□□→Ref.Page-S

●Sleeve refer Page-310~314

**STUC** Boring Bar  
 Right Hand Show


Boring Bar

**G**  
 BORING  
 BAR

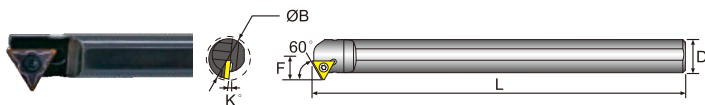
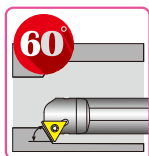
**C**  
**D**  
**E**
**S**  
**TC**
**M**  
**V**
**S**  
**W**  
**ER/IR**

Shank	Model No	Stock		Min. Bore Dia. ØB	D	F	K*	L	Insert	Screw	Wrench	Price
		R	L									
S	S08K-STUCR/L09-10	●	●	10	8	5.5	12	125	TC□□ 0902□□	CS22	T-7	
	S10K-STUCR/L09-12	●	●	12	10	6	15	125				
	S10K-STUCR/L11-12	●	●	12	10	6	15	125				
	S12M-STUCR/L11-14	●	●	14	12	7	10	150	TC□□ 1102□□	CS25	T-8	
	S14M-STUCR/L11-16	●	●	16	14	8	8	150				
	S16Q-STUCR/L11-18	●	●	18	16	9	6	180				
	S20R-STUCR/L11-22	●	●	22	20	11	3	200	TC□□ 16T3□□	CS35	T-15	
	S20R-STUCR/L16-22	●	●	22	20	11	8	200				
	S25R-STUCR/L16	●	●	32	25	17	6	200				
S32S-STUCR/L16	●	●	39	32	17.5	4	250					
H	H08K-STUCR/L09-10	●		10	8	5.5	12	125	TC□□ 0902□□	CS22	T-7	
	H10K-STUCR/L09-12	●		12	10	6	15	125				
	H10K-STUCR/L11-12	●		12	10	6	15	125				
	H12M-STUCR/L11-14	●	●	14	12	7	10	150	TC□□ 1102□□	CS25	T-8	
	H16Q-STUCR/L11-18	●		18	16	9	6	180				
	H20R-STUCR/L11-22	●		22	20	11	3	200				
	H20R-STUCR/L16-22	●		22	20	11	8	200	TC□□ 16T3□□	CS35	T-15	
	H25R-STUCR/L16-28	●		32	25	14	6	200				
C	C08K-STUCR/L09-10	●		10	8	5.5	12	125	TC□□ 0902□□	CS22	T-7	
	C10M-STUCR/L09-12	●		12	10	6	15	150				
	C10M-STUCR/L11-12	●		12	10	6	15	150	TC□□ 1102□□	CS25	T-8	
	C12Q-STUCR/L11-14	●		14	12	7	10	180				
	C16R-STUCR/L11-18	●		18	16	9	6	200				
	C20S-STUCR/L11-22	●		22	20	11	3	250				

●Insert Detail : TC□□0902□□、TC□□1102□□、TC□□16T3□□→Ref.Page-6

●Sleeve refer Page-310~314

**STWC** Mini Boring Bar  
Right Hand Show



Shank	Model No	Stock		Min. Bore Dia.		D	F	K <sup>°</sup>	L	Insert	Screw	Wrench	Price
		R	L	ØB	ØB								
S	S0806K-STWBR/L06	●	●	7	8	10	7	125	TB□□ 0601□□	CS20	T-6		
	S08K-STWCR/L09	●	●	11	8	6.5	9	125	TC□□ 0902□□	CS22	T-7		
	S10K-STWCR/L09	●	●	12	10	6.5	9	125	TC□□ 1102□□	CS25	T-8		
	S10K-STWCR/L11	●	●	13	10	7.5	7	125					
	S12M-STWCR/L11	●	●	16	12	9	9	150					
	S16Q-STWCR/L11	●	●	21	16	12	6	180	TC□□ 16T3□□	CS35	T-15		
	S20R-STWCR/L11	●	●	24	20	13	6	200					
	S25R-STWCR/L16	●	●	30	25	17	7	200					
	S32S-STWCR/L16	●	●	37	32	20	4	250					
	S40T-STWCR/L16	●	●	45	40	24	0	300					

●Insert Detail : TC□□0902□□、TC□□1102□□、TC□□16T3□□→Ref.Page-S

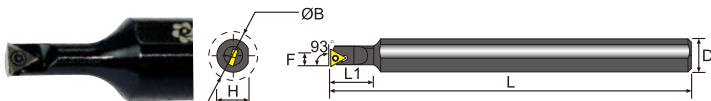
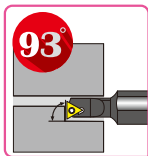
●Sleeve refer Page-310~314

Boring Bar

**G**  
BORING  
BAR



## STUB Mini Boring Bar Right Hand Show



Shank	Model No	Stock		Min. Bore Dia.		D	F	H	L	L1	Insert	Screw	Wrench	Price		
		R	L	ØB	ØB											
S	S0806K-STUBR/L06-07-L20	●		7	8	3.5	7	125	20	TB□□ 0601□□	CS20	T-6				
	S1606K-STUBR/L06-07	●		7	16	3.5	15	110	15							
	S1607J-STUBR/L06-08	●		8	16	4	15	110	15							
	S1608J-STUBR/L06-09	●		9	16	4.5	15	110	15							
	S1609J-STUBR/L06-10	●		10	16	5	15	110	15							
H	H0806K-STUBR/L06-07-L20	●		7	8	3.5	7	125	20							
	H1606J-STUBR/L06-07	●		7	16	3.5	15	110	15							
	H1607J-STUBR/L06-08	●		8	16	4	15	110	15							
	H1608J-STUBR/L06-09	●		9	16	4.5	15	110	15							
	H1609J-STUBR/L06-10	●		10	16	5	15	110	15							

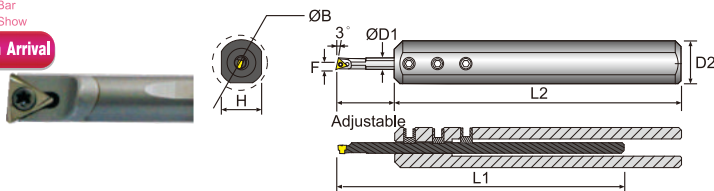
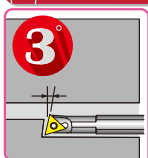
● Sleeve refer Page-310~314

Mini Boring Bar

**G**  
BORING  
BAR

## STUB Mini Boring Bar Right Hand Show

**New Specification Arrival**



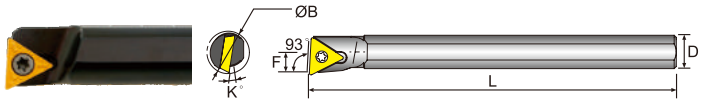
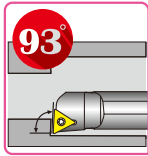
Shank	Model No	Stock		Min. Bore Dia.		D2	F	H	L1	L2	Insert	Screw	Wrench	Price
		R	L	ØB	ØD1									
S	S06J-STUBR06-08	●		8	6	16	4	15	110	100	TB□□ 0601□□	CS20	T-6	
	C06J-STUBR/L06-07	●	●	7	6	16	3.5	15	110	100				
C	C0806K-STUBR06-07	●	●	8	7	20	20	3.7	125	100				
	C0807K-STUBR/L06-08	●	●	8	7	20	4	7.4	125	100				

● Sleeve refer Page-310~314

C  
D  
S  
TB  
M  
V  
W  
S  
ER/IR

# STUP Boring Bar Right Hand Show

 **New Specification Arrival**



Shank	Model No	Stock		Min. Bore Dia.	D	F	K*	L	Insert	Screw	Wrench	Price
		R	L									
S	S08K-STUBR/L06-08	●	●	8	8	4	12	125	TB□□ 0601□□	CS20	T-6	
	S08K-STUBR/L06-09	●		9	8	4.5	15	125				
	S08K-STUPR/L08-10	●	●	10	8	5.5	10	125	TP□□ 0802□□	CS22	T-7	
	S08K-STUPR/L09-10	●	●	10	8	5.5	10	125		CS25048		
	S10K-STUPR/L09-12	●	●	12	10	6	8	125	TP□□ 0902□□	CS25	T-8	
	S12M-STUPR/L09-14	●	●	14	12	7	5	150				
	S10K-STUPR/L11-12	●	●	12	10	6	8	125				
	S12M-STUPR/L11-14	●	●	14	12	7	7	150				
	S14M-STUPR/L11-16	●	●	16	14	8.5	6	150				
	S16Q-STUPR/L11-18	●	●	18	16	9	4	180	TP□□ 1103□□	CS30	T-10	
	S18Q-STUPR/L11-20	●	●	20	18	10	4	180				
	S20R-STUPR/L11-22	●	●	22	20	11	2	200				
	S25R-STUPR/L11-28	●	●	28	25	14	5	200				
	S20R-STUPR/L1604-22	●	●	22	20	11	3	200	TP□□ 1604□□			
	S25R-STUPR/L1604	●	●	32	25	16	2	200		CS35	T-15	
S20R-STUPR/L1603-22		●	22	20	11	3	200	TP□□ 1603□□				
S25R-STUPR/L1603			32	25	16	2	200					
A	A08K-STUPR/L09-10	●	●	10	8	5.5	10	125		CS25048		
	A10K-STUPR/L09-12	●		12	10	6	8	125	TP□□ 0902□□	CS25	T-8	
	A12M-STUPR/L09-14	●	●	14	12	7	5	150				
	A12M-STUPR/L11-14	●	●	14	12	7	7	150				
	A16Q-STUPR/L11-18	●	●	18	16	9	4	180	TP□□ 1103□□	CS30	T-10	

※ Continued on next page.

Shank	Model No	Stock		Min. Bore Dia.					Insert	Screw	Wrench	Price
		R	L	ØB	D	F	K°	L				
H	A20R-STUPR/L11-22	●	●	22	20	11	2	200	TP□□ 1103□□	CS30	T-10	
	H08K-STUBR/L06-09	●	●	9.5	8	4.5	15	125	TB□□ 0601□□	CS20	T-6	
	H08K-STUPR/L08-10	●	●	10	8	5.5	10	125	TP□□ 0802□□	CS22	T-7	
	H08K-STUPR/L09-10	●	●	10	8	5.5	10	125	TP□□ 0902□□	CS25048	T-8	
	H10K-STUPR/L09-12	●	●	12	10	6	8	125		CS25		
	H12M-STUPR/L09-14	●	●	14	12	7	5	150	TP□□ 1103□□	CS30	T-10	
	H10K-STUPR/L11-12	●	●	12	10	6	8	125				
	H12M-STUPR/L11-14	●	●	14	12	7	7	150				
	H16Q-STUPR/L11-18	●		18	16	9	4	180				
	H20R-STUPR/L11-22	●	●	22	20	11	2	200	TP□□ 1604□□	CS35	T-15	
	H25R-STUPR/L11-28	●		28	25	14	2	200				
	H20R-STUPR/L1604-22	●		22	20	11	3	200				
H25R-STUPR/L1604	●		32	25	14	2	200					
-O	H08K-STUPR/L08-10-O	●		10	8	5.5	10	125	TP□□ 0802□□	CS22	T-7	
	H08K-STUPR/L09-10-O	●		10	8	5.5	10	125	TP□□ 0902□□	CS25048	T-8	
	H10K-STUPR/L09-12-O	●		12	10	6	8	125		CS25		
	H12M-STUPR/L09-14-O	●		14	12	7	5	150	TP□□ 1103□□	CS30	T-10	
	H10K-STUPR/L11-12-O	●		12	10	6	8	125				
	H12M-STUPR/L11-14-O	●		14	12	7	7	150				
	H16Q-STUPR/L11-18-O	●		18	16	9	4	180				
	H20R-STUPR/L11-22-O	●		22	20	11	2	200				

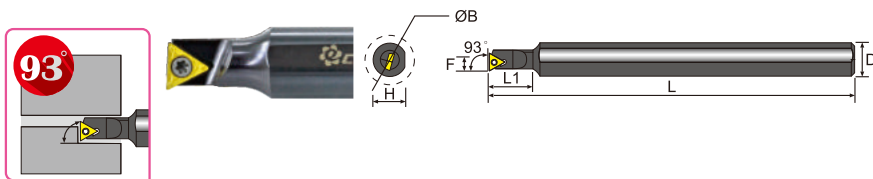
※ Continued on next page.



Shank	Model No	Stock		Min. Bore Dia.		F	K°	L	Insert	Screw	Wrench	Price			
		R	L	ØB	D										
C	C08K-STUPR/L08-10	●		10	8	5.5	10	125	TP□□ 0802□□	CS22	T-7				
	C08H-STUPR/L08-10			10	8	5.5	10	100							
	C08K-STUPR/L09-10	●		10	8	5.5	10	125	TP□□ 0902□□	CS25048	T-8				
	C10M-STUPR/L09-12	●		12	10	6	15	150							
	C12Q-STUPR/L09-14	●		14	12	7	15	180	TP□□ 1103□□	CS25	T-10				
	C10M-STUPR/L11-12	●		12	10	6	15	150							
	C10H-STUPR/L11-12			12	10	6	15	100							
	C12Q-STUPR/L11-14	●		14	12	7	10	180							
	C16R-STUPR/L11-18	●		18	16	9	6	200							
	C20S-STUPR/L11-22	●		22	20	11	3	250							
<b>NEW</b> C25T-STUPR11	●		32	25	17	4	300								

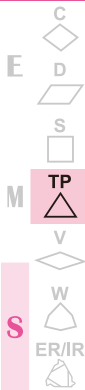
●Sleeve refer Page-310~314

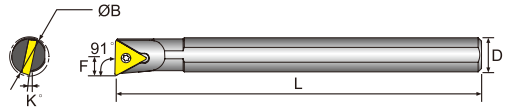
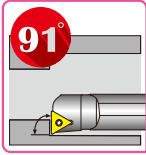
## STUP Boring Bar Right Hand Show



Shank	Model No	Stock		Min. Bore Dia.		F	H	L	L1	Insert	Screw	Wrench	Price
		R	L	ØB	D								
S	S1609J-STUPR/L08-10	●	●	10	16	5	15	110	15	TP□□ 0802□□	CS22	T-7	
	S1610K-STUPR/L11-12	●	●	12	16	6	15	120	15	TP□□ 1103□□	CS30	T-10	
H	H1609J-STUPR/L08-10	●		12	16	5	15	110	15	TP□□ 0802□□	CS22	T-7	
	H1610K-STUPR/L11-12	●		12	16	6	15	120	15	TP□□ 1103□□	CS30	T-10	

●Sleeve refer Page-310~314



**STFP** Boring Bar  
 Right Hand Show


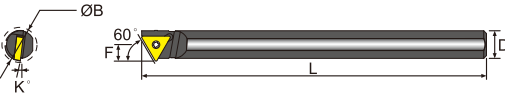
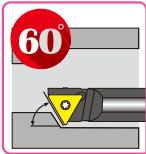
Shank	Model No	Stock		Min. Bore Dia. ØB	D	F	K°	L	Insert	Screw	Wrench	Price
		R	L									
S	S10K-STFPR/L09-12	●	●	12	10	6	8	125	TP□□ 0902□□	CS25	T-8	
	S10K-STFPR/L11-12	●	●	12	10	6	7	125	TP□□ 1103□□	CS30	T-10	
	S12M-STFPR/L11-14	●	●	14	12	7	6	150				
	S16Q-STFPR/L11-18	●	●	18	16	9	4	180				
	S20R-STFPR/L11-22	●	●	22	20	11	4	200				
C	C08K-STFPR/L09-10	●		10	8	5	8	125	TP□□ 0902□□	CS25048	T-8	
	C10M-STFPR/L11-12	●		12	10	6	9	150	TP□□ 1103□□	CS30	T-10	
	C12Q-STFPR/L11-14	●		14	12	7	8	180				

●Sleeve refer Page-310~314

Boring Bar

**STWP** Mini Boring Bar  
 Right Hand Show

New Specification Arrival



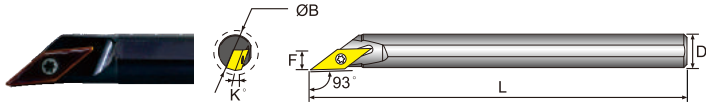
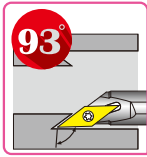
Shank	Model No	Stock		Min. Bore Dia. ØB	D	F	K°	L	Insert	Screw	Wrench	Price
		R	L									
S	S08K-STWPR/L09	●	●	11	8	6.5	6	125	TP□□ 0902□□	CS25048	T-8	
	<b>NEW</b> S10K-STWPR09	●	●	12	10	6.5	6	125	TP□□ 1103□□	CS30	T-10	
	S10K-STWPR/L11	●	●	13	10	7.5	7	125				
	S12M-STWPR/L11	●	●	16	12	9	9	150				
	S16Q-STWPR/L11	●	●	21	16	12	6	180				
	S20R-STWPR/L11	●	●	24	20	13	3	200				

●Sleeve refer Page-310~314

**G**  
 BORING BAR

- C
- D
- S
- TP
- V
- W
- ER/IR

**SVJB** Boring Bar  
Right Hand Show



Shank	Model No	Stock		Min. Bore Dia.				L	Insert	Screw	Wrench	Price
		R	L	ØB	D	F	K°					
S	S10K-SVJBR/L11	●	●	12	10	6	10	125	VB□□ 1103□□	CS25	T-8	
	S12M-SVJBR/L11	●	●	14	12	7	10	150				
	S16Q-SVJBR/L11	●	●	18	16	9	14	180				
	S20R-SVJBR/L11	●	●	25	20	10.5	10	200	VB□□ 1604□□	CS35	T-15	
	S16Q-SVJBR/L16	●	●	18	16	9	7	180				
	S20R-SVJBR/L16	●	●	25	20	9	7	200				
	S25R-SVJBR/L16	●	●	32	25	11	7	200				
	S32S-SVJBR/L16	●	●	40	32	14	5	250				
	S40T-SVJBR/L16	●	●	57	40	28.5	8	300				
H	H10K-SVJBR/L11	●		12	10	6	10	125	VB□□ 1103□□	CS25	T-8	
	H12M-SVJBR/L11	●		14	12	7	10	150				
	H16Q-SVJBR/L11	●		18	16	9	7	180				
	H20R-SVJBR/L11	●		25	20	10.5	7	200	VB□□ 1604□□	CS35	T-15	
	H16Q-SVJBR/L16	●		18	16	9	7	180				
	H20R-SVJBR/L16	●		25	20	10.5	7	200				
	H25R-SVJBR/L16	●		32	25	13.5	7	200				

●Insert Detail : VB□□1604□□→Ref.Page-U

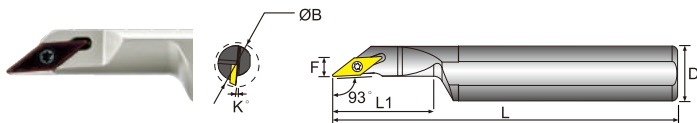
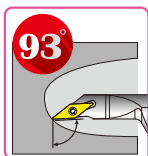
●Sleeve refer Page-310~314

Boring Bar

**G**  
BORING  
BAR



## FSVJB Boring Bar Right Hand Show

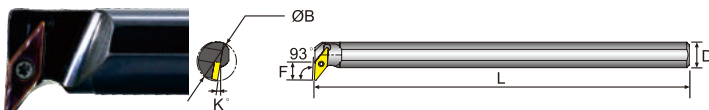
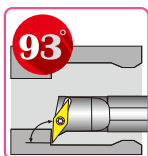


Shank	Model No	Stock		Min. Bore Dia.		D	F	K°	L	L1	Insert	Screw	Wrench	Price
		R	L	ØB	ØB									
S	S16K-FSVJBR/L11	●	●	20	16	2	5	125	36	VB□□ 1103□□	CS25	T-8		
	S20M-FSVJBR/L11	●	●	25	20	2	5	150	37.5					
	S25M-FSVJBR/L11	●	●	30	25	3.5	5	150	45					

●Sleeve refer Page-310~314

## SVUB Boring Bar Right Hand Show

 **New Specification Arrival**



Shank	Model No	Stock		Min. Bore Dia.		D	F	K°	L	Insert	Screw	Wrench	Price
		R	L	ØB	ØB								
S	S16Q-SVUBR/L11	●	●	22	16	13	10	180	VB□□ 1103□□	CS25	T-8		
	S20R-SVUBR/L11	●	●	27	20	15	10	200					
	S25R-SVUBR/L11	●	●	33	25	20	8	200					
	<b>NEW</b> S20R-SVUBR/L16	●	●	34	20	20	10	200	VB□□ 1604□□	CS35	T-15		
	S25R-SVUBR/L16	●	●	33	25	17	8	200					
	S32S-SVUBR/L16	●	●	44	32	22	10	250					
	S40T-SVUBR/L16	●	●	51	40	27	8	300					

●Insert Detail : VB□□1604□□→Ref.Page-U

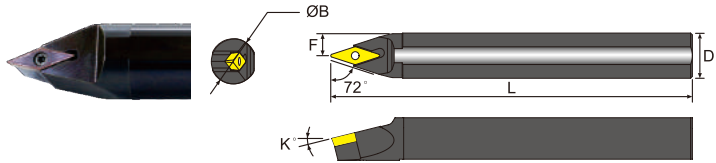
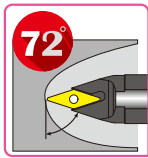
●Sleeve refer Page-310~314

Boring Bar

**G**  
BORING  
BAR

-  C
-  D
-  S
-  T
-  M
-  VB
-  W
-  ER/IR

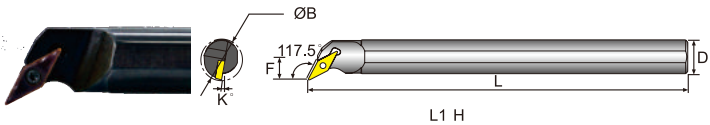
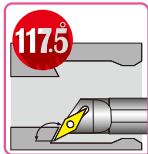
## SVVBN Boring Bar



Shank	Model No	Stock		Min. Bore Dia.		D	F	K°	L	Insert	Screw	Wrench	Price
		R	L	ØB	ØB								
S	S32S-SVVBN16	●		33	32	16	10	250	VB□□ 1604□□	CS35	T-15		
	S40T-SVVBN16	●		42	40	20	0	300					

- Insert Detail : VB□□1604□□→Ref.Page-U
- Sleeve refer Page-310-314

## SVQB Boring Bar Right Hand Show

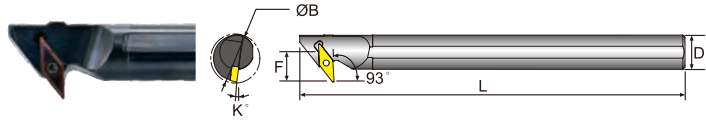
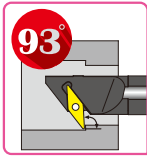


Shank	Model No	Stock		Min. Bore Dia.		D	F	K°	L	Insert	Screw	Wrench	Price
		R	L	ØB	ØB								
S	S16Q-SVQBR/L11	●	●	20	16	11	180	7	VB□□ 1103□□	CS25	T-8		
	S20R-SVQBR/L11	●	●	25	20	13	200	7					
	S25R-SVQBR/L11	●	●	32	25	17	200	5					
	S25R-SVQBR/L16	●	●	32	25	17	200	5	VB□□ 1604□□	CS35	T-15		
	S32S-SVQBR/L16	●	●	40	32	22.5	250	10					
	S40T-SVQBR/L16	●	●	54	40	27	300	7					

- Insert Detail : VB□□1604□□→Ref.Page-U
- Sleeve refer Page-310-314

# SVZB

 Boring Bar  
 Right Hand Show

 **New Arrival**


Shank	Model No	Stock		Min. Bore Dia.		F	K°	L	Insert	Screw	Wrench	Price
		R	L	ØB	D							
S	<b>NEW</b> S16Q-SVZBR/L11	●	●	23	16	14	10	180	VB□□ 1103□□	CS25	T-8	
	<b>NEW</b> S20R-SVZBR/L11	●	●	27	20	16	8	200				
	<b>NEW</b> S25R-SVZBR/L16			34	25	20.5	8	200	VB□□ 1604□□	CS35	T-15	
	<b>NEW</b> S32S-SVZBR/L16			41	32	24	10	250				
	<b>NEW</b> S40T-SVZBR/L16			49	40	28	8	300				
	<b>NEW</b> S50U-SVZBR/L16	●	●	59	50	33	6	350				

● Insert Detail : VB□□1604□□→Ref.Page-U

● Sleeve refer Page-310~314

Boring Bar

**G**

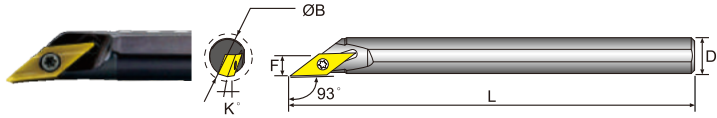
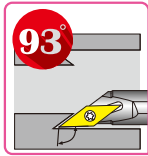
 BORING  
 BAR


E

M

S

**SVJC** Boring Bar  
Right Hand Show



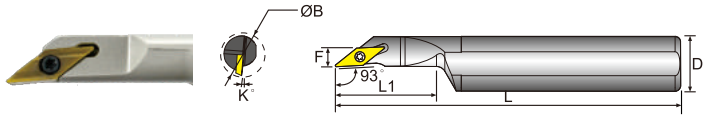
Shank	Model No	Stock		Min. Bore Dia.				L	Insert	Screw	Wrench	Price
		R	L	ØB	D	F	K°					
S	S10K-SVJCR/L11	●	●	12	10	6	13	125	VC□□ 1103□□	CS25	T-8	
	S12M-SVJCR/L11	●	●	14	12	7	15	150				
	S16Q-SVJCR/L11	●	●	18	16	9	14	180				
	S20R-SVJCR/L11	●	●	25	20	10.5	10	180	VC□□ 1604□□	CS35	T-15	
	S16Q-SVJCR/L16	●	●	18	16	9	14	180				
	S20R-SVJCR/L16	●	●	25	20	10.5	10	200				
	S25R-SVJCR/L16	●	●	32	25	13.5	7	200				
	S32S-SVJCR/L16	●	●	40	32	17	7	250				
	S40T-SVJCR/L16	●	●	47	40	23.5	8	300				
H	H10K-SVJCR/L11	●		12	10	6	13	125	VC□□ 1103□□	CS25	T-8	
	H12M-SVJCR/L11	●		14	12	7	15	150				
	H16Q-SVJCR/L11	●		18	16	9	14	180				
	H20R-SVJCR/L11	●		25	20	10.5	10	200	VC□□ 1604□□	CS25	T-8	
	H16Q-SVJCR/L16	●		18	16	9	14	180				
	H20R-SVJCR/L16	●		25	20	10.5	10	200				
	H25R-SVJCR/L16	●		32	25	13.5	7	200				

- Insert Detail : VC□□1604□□→Ref.Page-V
- Sleeve refer Page-310~314

Boring Bar

**G**  
BORING  
BAR

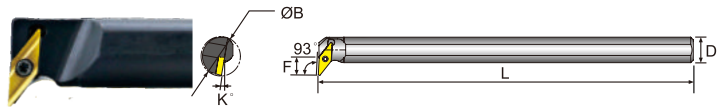
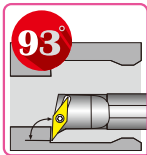


**FSVJC** Boring Bar  
 Right Hand Show


Shank	Model No	Stock		Min. Bore Dia.		D	F	H	L	L1	Insert	Screw	Wrench	Price
		R	L	ØB	ØD									
S	S16K-FSVJCR/L11	●	●	20	16	125	5	2	36	VC□□ 1103□□	CS25	T-8		
	S20M-FSVJCR/L11	●	●	25	20	150	5	2	37.5					
	S25M-FSVJCR/L11	●	●	30	25	150	5	3.5	45					

●Sleeve refer Page-310~314

**SVUC** Boring Bar  
 Right Hand Show


**New Specification Arrival**


Shank	Model No	Stock		Min. Bore Dia.		D	F	K*	L	Insert	Screw	Wrench	Price
		R	L	ØB	ØD								
S	S16Q-SVUCR/L11	●	●	22	16	13	10	180	VC□□ 1103□□	CS25	T-8		
	S20R-SVUCR/L11	●	●	27	20	15	10	200					
	S25R-SVUCR/L11	●	●	33	25	17	8	200					
	<b>NEW</b> S20R-SVUCR/L16	●	●	34	20	20	10	200	VC□□ 1604□□	CS35	T-15		
	S25R-SVUCR/L16	●	●	33	25	20	8	200					
	S32S-SVUCR/L16	●	●	44	32	22	10	250					
	S32T-SVUCR/L16	●	●	44	32	22	10	300					
	S40T-SVUCR/L16			51	40	27	8	300					

●Insert Detail : VC□□1604□□→Ref.Page-V

●Sleeve refer Page-310~314

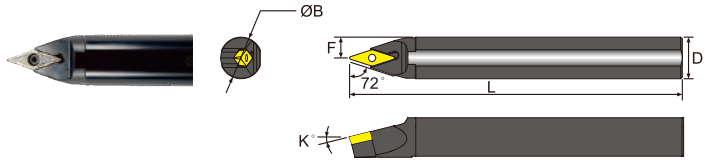
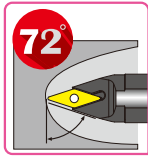
Boring Bar

**G**  
 BORING  
 BAR

 C  
 D  
 E  
 S  
 T  
 M  
**VC**  
 W  
 S  
 ER/IR



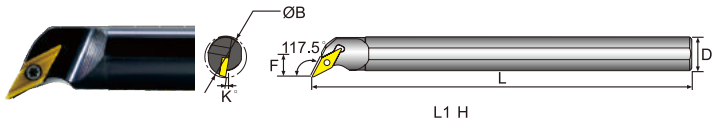
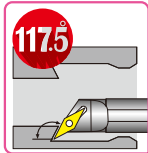
## SVVCN Boring Bar



Shank	Model No	Stock		Min. Bore Dia.		D	F	K°	L	Insert	Screw	Wrench	Price
		R	L	ØB	ØB								
S	S25R-SVVCN16	●		26	25	12.5	0	200	VC□□ 1604□□	CS35	T-15		
	S32S-SVVCN16	●		33	32	16	10	250					
	S40T-SVVCN16	●		42	40	20	0	300					

- Insert Detail : VC□□1604□□→Ref.Page-V
- Sleeve refer Page-310-314

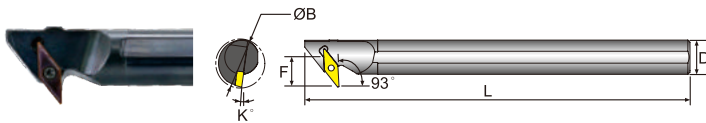
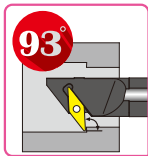
## SVQC Boring Bar Right Hand Show



Shank	Model No	Stock		Min. Bore Dia.		D	F	K°	L	Insert	Screw	Wrench	Price
		R	L	ØB	ØB								
S	S16Q-SVQCR/L11	●	●	20	16	11	10	180	VC□□ 1103□□	CS25	T-8		
	S20R-SVQCR/L11	●	●	25	20	13	7	200					
	S25R-SVQCR/L11	●	●	32	25	17	5	200					
	S25R-SVQCR/L16	●	●	32	25	17	5	200	VC□□ 1604□□	CS35	T-15		
	S32S-SVQCR/L16	●	●	40	32	22.5	10	250					
	S40T-SVQCR/L16	●	●	54	32	27	7	300					

- Insert Detail : VC□□1604□□→Ref.Page-V
- Sleeve refer Page-310-314

**SVZC** Boring Bar  
 Right Hand Show

 **New Arrival**


Shank	Model No	Stock		Min. Bore Dia.		F	K°	L	Insert	Screw	Wrench	Price
		R	L	ØB	D							
S	<b>NEW</b> S16Q-SVZCR/L11	●	●	<b>23</b>	16	14	8	180	VC□□ 1103□□	CS25	T-8	
	<b>NEW</b> S20R-SVZCR/L11	●	●	<b>27</b>	20	16	6	200				
	<b>NEW</b> S25R-SVZCR/L11			<b>34</b>	25	20.5	6	200	VC□□ 1604□□	CS35	T-15	
	<b>NEW</b> S32S-SVZCR/L16			<b>41</b>	32	24	8	250				
	<b>NEW</b> S40T-SVZCR/L16			<b>49</b>	40	28	6	300				
	<b>NEW</b> S50U-SVZCR/L16	●	●	<b>59</b>	50	33	4	350				

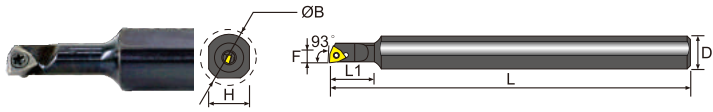
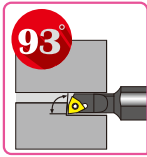
●Insert Detail : VC□□1604□□→Ref.Page-V

●Sleeve refer Page-310-314

Boring Bar

**G**  
 BORING  
 BAR

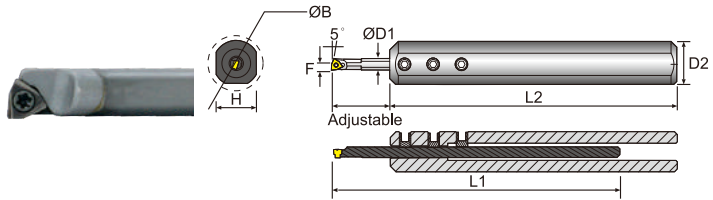
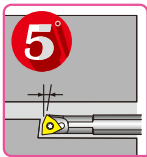

**SWUB** Boring Bar  
Right Hand Show



Shank	Model No	Stock		Min. Bore Dia.		F	H	L	L1	Insert	Screw	Wrench	Price
		R	L	ØB	D								
S	S1005J-SWUBR/L06-06	●		6	10	3	9	110	15	WB□□ 0601□□	CS20	T-6	
	S1006J-SWUBR/L06-07	●		7	10	3.5	9	110	15				
	S1205J-SWUBR/L06-06	●		6	12	3	11	110	15				
	S1605J-SWUBR/L06-06	●		6	16	3	15	110	15				
	S1606J-SWUBR/L06-07	●		7	16	3.5	15	110	15				
	S1607J-SWUBR/L06-08	●		8	16	4	15	110	15				
	S1608-SWUBR/L06-09	●		9	16	4.5	15	110	15				

●Sleeve refer Page-310~314

**SWUB** Boring Bar  
Right Hand Show



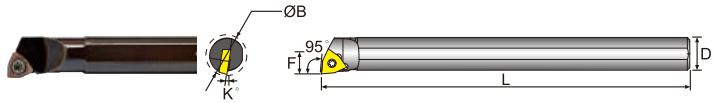
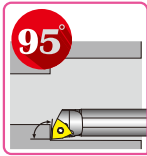
Shank	Model No	Stock		Min. Bore Dia.		F	H	L1	L2	Insert	Screw	Wrench	Price	
		R	L	ØB	ØD1									D2
C	C05H-SWUBR/L06-06	●		6	5	16	2.75	15	100	WB□□ 0601□□	CS20	T-6		
	C06J-SWUBR/L06-07	●		7	6	16	3.5	15	110				100	
	S06J-SWUBR/L06-08			8	6	16	4	5	110				100	
	C0807K-SWUBR/L06-08	●		8	7	16	4	15	125				100	

●Sleeve refer Page-310~314

Mini Boring Bar

**G**  
BORING BAR



**SWLC** Boring Bar  
 Right Hand Show


Shank	Model No	Stock		Min.	D	F	K°	L	Insert	Screw	Wrench	Price
		R	L	Bore Dia.								
S	S08K-SWLCR/L03-10	●	●	10	8	5.4	13	125	WC□□ 0302□□	CS25048	T-8	
	S10K-SWLCR/L03-12	●	●	12	10	6	12	125		CS25		
	S08K-SWLCR/L04-10	●	●	10	8	5.5	13	125	WC□□ 0402□□	CS25048		
	S12M-SWLCR/L04-14	●	●	14	12	7	12	150		CS25		
	S16Q-SWLCR/L04-18	●	●	18	16	9	9	180	WC□□ 0503□□	CS30		T-10
	S20R-SWLCR/L05-22	●	●	22	20	11	10	200				

●Sleeve refer Page-310~314

Boring Bar

**G**

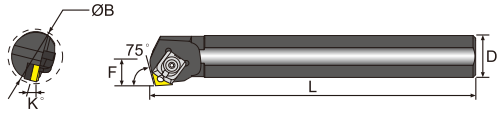
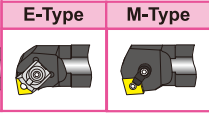
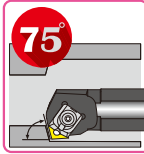
 BORING  
 BAR


E

M

S

**ECKN** Boring Bar  
Right Hand Show



Shank	Model No	Stock		Min. Bore Dia. ØB	D	F	K°	L	Insert	Shim	Screw of shim	Clamp	Screw	Clasp	Wrench	Price
		R	L													
S	S32S-ECKNR/L12	●	●	40	32	22	14	250	CN□□ 1204□□	SMC-432	LW-4B	CN12-4	CS80	C-6	LW030 LW040	
	S40T-ECKNR/L12	●	●	50	40	27	12	300								
	S50U-ECKNR/L12	●	●	63	50	35	12	350								

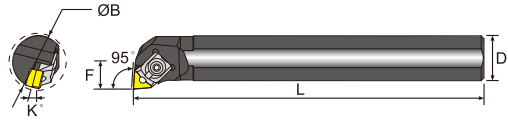
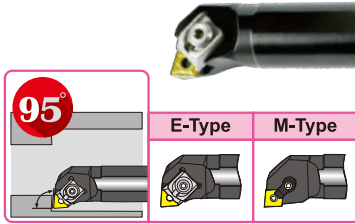
Shank	Model No	Stock		Min. Bore Dia. ØB	D	F	K°	L	Insert	Shim	Screw of shim	Clamp	Screw	Wrench	Price		
		R	L														
S	S20R-MCKNR/L12	●	●	25	20	18	17	200	CN□□ 1204□□	-	LCS-511	CP50-21	CS70-20	LW025			
	S25R-MCKNR/L12	●	●	32	25	17	14	200					CS70-21	LW025 LW030			
	S32S-MCKNR/L12	●	●	40	32	22	12	250				SMC-432	LCS-517	CP50-22	CS70-22	LW030	
	S40T-MCKNR/L12	●	●	50	40	27	12	300									
	S50U-MCKNR/L12	●	●	63	50	35	12	350									

- Insert Detail : CN□□1204□□→Ref.Page-J
- Recommend you to choose our patent products E-Type.
- Sleeve refer Page-310-314

Boring Bar

**G**  
BORING BAR



**ECLN** Boring Bar  
 Right Hand Show


Shank	Model No	Stock		Min. Bore Dia. ØB	D	F	K	L	Insert	Shim	Screw of shim	Clamp	Screw	Clasp	Wrench	Price
		R	L													
S	S32S-ECLNR/L12	●	●	40	32	22	14	250	CN□□ 1204□□	SMC-432	LW-4B	CN12-2	CS80	C-6	LW030 LW040	
	S32U-ECLNR/L12	●	●	40	32	22	14	350								
	S40TECLNR/L12	●	●	50	40	27	12	300								
	S40W-ECLNR/L12	●	●	50	40	27	12	450								
	S50U-ECLNR/L12	●	●	63	50	35	12	350								
	S50Y-ECLNR/L12	●	●	63	50	35	12	500								
	S60V-ECLNR/L12	●	●	72	60	36	10	400								
	S60X-ECLNR/L12	●	●	72	60	36	10	600								
S63Y-ECLNR/L12	●	●	76	63	38	10	500									

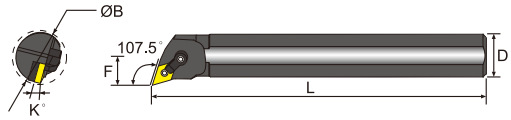
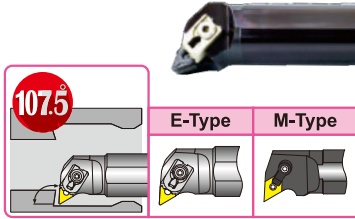
Boring Bar

**G**  
 BORING BAR

Shank	Model No	Stock		Min. Bore Dia. ØB	D	F	K	L	Insert	Shim	Screw of shim	Clamp	Screw	Wrench	Price
		R	L												
S	S16Q-MCLNR/L09	●	●	22	16	11	17	180	CN□□ 0903□□	-	LCS-509	CP50-21	CS70-20	LW020 LW025	
	S20R-MCLNR/L09	●	●	25	20	13	17	200							
	S20R-MCLNR/L12	●	●	25	20	13	17	200							
	S25R-MCLNR/L12	●	●	32	25	17	14	200							
	S32S-MCLNR/L12	●	●	40	32	22	14	250							
	S32U-MCLNR/L12	●	●	40	32	22	14	350							
	S40T-MCLNR/L12	●	●	50	40	27	12	300							
	S50U-MCLNR/L12	●	●	63	50	35	12	350							

- Insert Detail : CN□□1204□□→Ref.Page-J
- Recommend you to choose our patent products E-Type.
- Sleeve refer Page-310~314

**EDQN** Boring Bar  
Right Hand Show



Shank	Model No	Stock		Min. Bore Dia. ØB	D	F	K	L	Insert	Shim	Screw of shim	Clamp	Screw	Clasp	Wrench	Price
		R	L													
S	S40T-EDQNR/L15	●	●	50	40	27	10	300	DN□□ 1504□□	SMD-463	LD-1	DN15	CS80	C-6	LW030 LW040	
	S50U-EDQNR/L15	●	●	63	50	35	10	350								
	S40T-EDQNR/L15A	●	●	50	40	27	10	300	DN□□ 1506□□	SMD-466	LW-4					
	S50U-EDQNR/L15A	●	●	63	50	35	10	350								

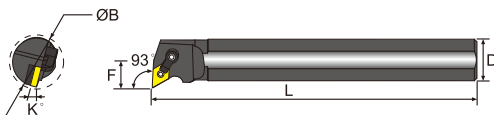
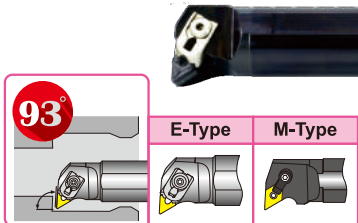
Shank	Model No	Stock		Min. Bore Dia. ØB	D	F	K	L	Insert	Shim	Screw of shim	Clamp	Screw	Wrench	Price	
		R	L													
S	S25R-MDQNR/L15	●	●	32	25	17	12	200	DN□□ 1504□□	-	LCS-511		CP50-24	CS70-21	LW025 LW030	
	S32S-MDQNR/L15	●	●	40	32	22	10	250								
	S40T-MDQNR/L15	●	●	50	40	27	10	300		SMD-463	LCS-619				LW030	
	S50U-MDQNR/L15	●	●	63	50	32	10	350								

- Insert Detail : DN□□1504□□、DN□□1506□□→Ref.Page-M
- Recommend you to choose our patent products E-Type.
- Sleeve refer Page-310~314

Boring Bar

**G**  
BORING BAR



**EDUN** Boring Bar Right Hand Show


Shank	Model No	Stock		Min. Bore Dia. ØB	D	F	K*	L	Insert	Shim	Screw of shim	Clamp	Screw	Clasp	Wrench	Price
		R	L													
S	S40T-EDUNR/L15	●	●	50	40	27	10	300	DN□□ 1504□□	SMD-463	LD-1	DN15	CS80	C-6	LW030 LW040	
	S50U-EDUNR/L15	●	●	63	50	35	10	350								
	S40T-EDUNR/L15A	●	●	50	40	27	10	300	DN□□	SMD-1506□□	LW-4					
	S50U-EDUNR/L15A	●	●	63	50	35	10	350								

Shank	Model No	Stock		Min. Bore Dia. ØB	D	F	K*	L	Insert	Shim	Screw of shim	Clamp	Screw	Wrench	Price
		R	L												
S	S25R-MDUNR/L15	●	●	32	25	17	12	200	DN□□ 1504□□	-	LCS-611	CS70-21	LW025 LW030		
	S32S-MDUNR/L15	●	●	40	32	22	10	250							
	S40T-MDUNR/L15	●	●	50	40	27	10	300		SMD-463	LCS-619	CP50-24	LW030		
	S50U-MDUNR/L15	●	●	63	50	32	10	350							

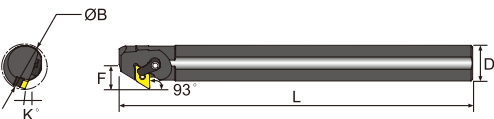
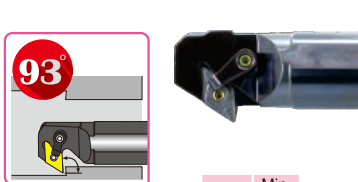
●Insert Detail : DN□□1504□□、DN□□1506□□→Ref.Page-M

●Recommend you to choose our patent products E-Type.

●Sleeve refer Page-310~314

Boring Bar

**G**  
BORING BAR

**MDZN** Boring Bar Right Hand Show


Shank	Model No	Stock		Min. Bore Dia. ØB	D	F	K*	L	Insert	Shim	Screw of shim	Clamp	Screw	Wrench	Price			
		R	L															
S	S32S-MDZNR/L15	●	●	40	32	23	17	250	DN□□ 1504□□	SMD-463	LCS-619	CP50-24	CS70-21	LW030				
	S40T-MDZNR/L15	●	●	50	40	27	15	300										
	S50U-MDZNR/L15	●	●	63	50	35	12	350										

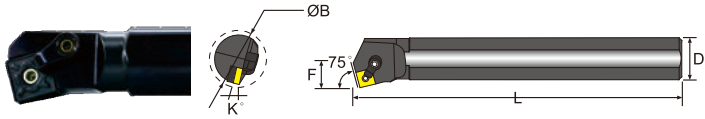
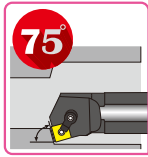
●Insert Detail : DN□□1504□□、DN□□1506□□→Ref.Page-M

●Recommend you to choose our patent products E-Type.

●Sleeve refer Page-310~314



**MSKN** Boring Bar  
Right Hand Show



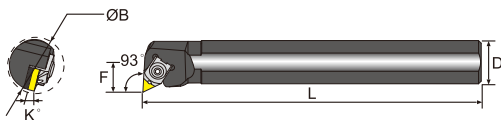
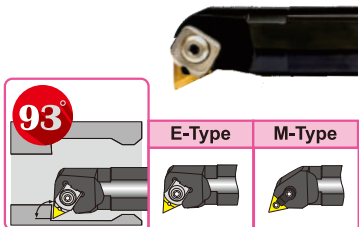
Shank	Model No	Stock		Min. Bore Dia. ØB	D	F	K	L	Insert	Shim	Screw of shim	Clamp	Screw	Wrench	Price			
		R	L															
S	S20R-MSKNR/L12	●	●	25	20	13	17	200	SN□□ 1204□□	-	LCS-511	CP50-21	CS70-20	LW025				
	S25R-MSKNR/L12	●	●	32	25	17	14	200					CS70-21	LW025 LW030				
	S32S-MSKNR/L12	●	●	40	32	22	14	250		SMS-432	LCS-617	CP50-22	CS70-22	LW030				
	S40T-MSKNR/L12	●	●	50	40	27	12	300										
	S50U-MSKNR/L12	●	●	63	50	35	12	350										

- Insert Detail : SN□□1204□□→Ref.Page-Q
- Recommend you to choose our patent products E-Type.
- Sleeve refer Page-310~314

Boring Bar

**G**  
BORING BAR




**ETUN** Boring Bar  
 Right Hand Show


Boring Bar

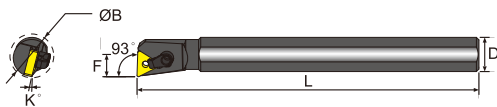
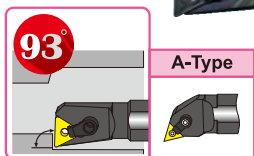
**G**  
 BORING  
 BAR

- C** 
- D** 
- S** 
- TN** 
- M** 
- V** 
- W** 
- S** 
- ER/IR** 

Shank	Model No	Stock		Min. Bore Dia. ØB	D	F	K	L	Insert	Shim	Screw of shim	Clamp	Screw	Clasp	Wrench	Price		
		R	L															
<b>S</b>	S25R-ETUNR/L16	●	●	32	25	17	12	200		-	LT-2	TN16-2	CS60E	C-5	LW025 LW030			
	S25T-ETUNR/L16	●	●	32	25	17	12	300										
	S32S-ETUNR/L16	●	●	40	32	22	10	250										
	S32U-ETUNR/L16	●	●	40	32	22	10	350										
	S40T-ETUNR/L16	●	●	50	40	27	10	300										
	S40W-ETUNR/L16	●	●	50	40	27	10	450										
	S50U-ETUNR/L16	●	●	63	50	35	8	350										
	S50Y-ETUNR/L16	●	●	63	50	35	8	500			SMT-322							
	S60V-ETUNR/L16	●	●	72	60	36	10	400										
	S60X-ETUNR/L16	●	●	72	60	36	10	600										
S63Y-ETUNR/L16	●	●	76	63	38	10	500											
<b>A</b>	A32Q-ETUNR/L16	●	●	39	32	22	10	180										

- Insert Detail : TN□□1604□□→Ref.Page-T
- Recommend you to choose our patent products E-Type.
- Sleeve refer Page-310~314

**MTUN** Boring Bar  
Right Hand Show



Shank	Model No	Stock		Min. Bore Dia. ØB	D	F	K	L	Insert	Shim	Screw of shim	Clamp	Screw	Wrench	Price
		R	L												
S	S16Q-MTUNR/L16A	●	●	22	16	11	17	180	TN□□ 1604□□	-	LCS-510	CP50-21	CS70-20	LW020 LW025	
	S20R-MTUNR/L16	●	●	25	20	13	17	200							
	S20R-MTUNR/L16A	●	●	25	20	13	17	200							
	S25R-MTUNR/L16	●	●	32	25	17	12	200							
	S25R-MTUNR/L16A	●	●	32	25	17	12	200							
	S32S-MTUNR/L16A	●	●	40	32	22	10	250							
	S40T-MTUNR/L16A	●	●	50	40	27	10	300							
	S50U-MTUNR/L16A	●	●	63	50	35	8	350							

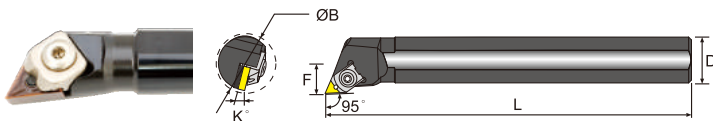
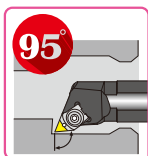
- Insert Detail : TN□□1604□□→Ref.Page-T
- Recommend you to choose our patent products E-Type.
- Sleeve refer Page-310~314

Boring Bar

**G**  
BORING  
BAR



## ETLN

 Boring Bar  
 Right Hand Show


Shank	Model No	Stock		Min. Bore Dia. ØB	D	F	K	L	Insert	Shim	Screw of shim	Clamp	Screw	Clasp	Wrench	Price
		R	L													
S	S20R-ETLNR/L16	●	●	25	20	13	17	200	TN□□ 1604□□	-	LT-2	TN16-2	CS60E	C-5	LW025 LW030	
	S25R-ETLMR/L16	●	●	32	25	17	12	200								

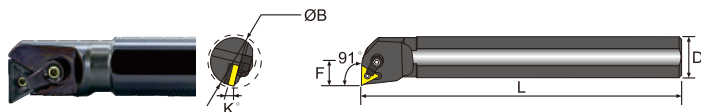
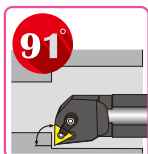
●Insert Detail : TN□□1604□□→Ref.Page-T

●Recommend you to choose our patent products E-Type.

●Sleeve refer Page-310~314

## Boring Bar

## MTFN

 Boring Bar  
 Right Hand Show


Shank	Model No	Stock		Min. Bore Dia. ØB	D	F	K	L	Insert	Shim	Screw of shim	Clamp	Screw	Wrench	Price				
		R	L																
S	S20R-MTFNR/L16	●	●	25	20	13	17	200	TN□□ 1604□□	-	LCS-510	CP50-21	CS70-20	LW020 LW025					
	S25R-MTFNR/L16	●	●	32	25	17	12	200											
	S32S-MTFNR/L16	●	●	40	32	22	10	250	SMT- 322	LCS-513	CP50-22	CS70-21	LW020 LW030						
	S40T-MTFNR/L16	●	●	50	40	27	10	300											
	S50U-MTFNR/L16	●	●	63	50	35	8	350									CS70-22		

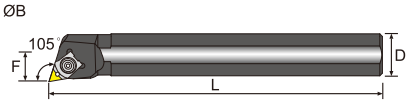
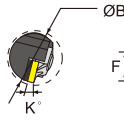
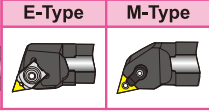
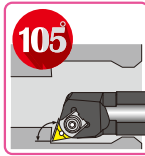
●Insert Detail : TN□□1604□□→Ref.Page-T

●Recommend you to choose our patent products E-Type.

●Sleeve refer Page-310~314

# ETQN

Boring Bar  
Right Hand Show



Shank	Model No	Stock		Min. Bore Dia. ØB	D	F	K	L	Insert	Shim	Screw of shim	Clamp	Screw	Clasp	Wrench	Price
		R	L													
S	S20R-ETQNR/L16	●	●	25	20	13	17	200	TN□□ 1604□□	-	LT-2	TN16-2	CS60E	C-5	LW025 LW030	
	S25R-ETQNR/L16	●	●	32	25	17	12	.200								
	S32S-ETQNR/L16	●	●	40	32	22	10	250								
	S40T-ETQNR/L16	●	●	50	40	27	10	300								
	S50U-ETQNR/L16	●	●	63	50	35	8	350								
									SMT-322	LT-4	TN16-3	CS80	C-6	LW025 LW040		
									LT-3							

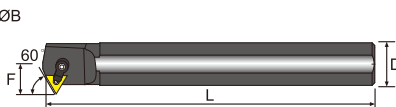
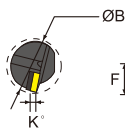
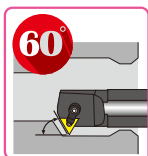
Shank	Model No	Stock		Min. Bore Dia. ØB	D	F	K	L	Insert	Shim	Screw of shim	Clamp	Screw	Wrench	Price
		R	L												
S	S20R-MTQNR/L16	●	●	25	20	13	17	200	TN□□ 1604□□	-	LCS-510	CP50-21	CS70-20	LW020 LW025	
	S25R-MTQNR/L16	●	●	32	25	17	12	200							
	S32S-MTQNR/L16	●	●	40	32	22	10	250							
	S40T-MTQNR/L16	●	●	50	40	27	10	300							
	S50U-MTQNR/L16	●	●	63	50	35	8	350							
									SMT-322	LCS-513	CP50-22	CS70-22	LW020 LW030		

- Insert Detail : TN□□1604□□→Ref.Page-T
- Recommend you to choose our patent products E-Type.
- Sleeve refer Page-310~314

Boring Bar

## G BORING BAR



**MTWN** Boring Bar  
 Right Hand Show


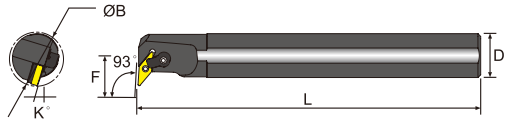
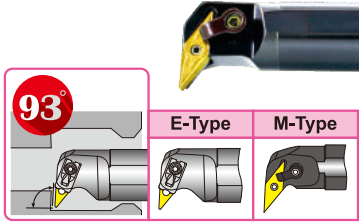
Shank	Model No	Stock		Min. Bore Dia. ØB	D	F	K°	L	Insert	Shim	Screw of shim	Clamp	Screw	Wrench	Price
		R	L												
S	S16Q-MTWNR/L16	●	●	21	16	11	20	150	TN□□ 1604□□	-	LCS-510	CP50-21	CS70-20	LW020 LW025	
	S20R-MTWNR/L16	●	●	27	20	14	17	200							
	S25R-MTWNR/L16	●	●	32	25	17	12	200							
	S32S-MTWNR/L16	●	●	39	32	20	17	250		SMT-322	LCS-513	CP50-22	CS70-21	LW020 LW030	
	S40T-MTWNR/L16	●	●	50	40	24	15	300							
	S50U-MTWNR/L16	●	●	57	50	29	12	350							

- Insert Detail : TN□□1604□□→Ref.Page-T
- Recommend you to choose our patent products E-Type.
- Sleeve refer Page-310~314

Boring Bar

**G**  
 BORING BAR


**EVUN** Boring Bar  
Right Hand Show



Shank	Model No	Stock		Min. Bore Dia. ØB	D	F	K	L	Insert	Shim	Screw of shim	Clamp	Screw	Clasp	Wrench	Price
		R	L													
S	S40T-EVUNR/L16	●	●	50	40	26	15	300	VN□□ 1604□□	SMV-322	LT-3	VN16	CS60E	C-5	LW025 LW030	
	S50U-EVUNR/L16	●	●	63	50	32	12	350								

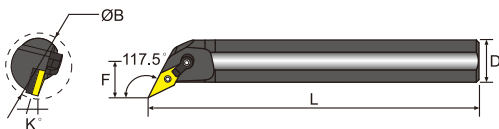
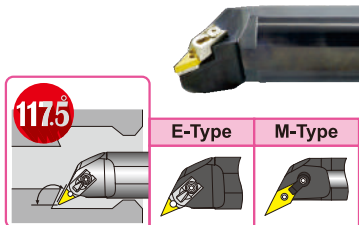
Shank	Model No	Stock		Min. Bore Dia. ØB	D	F	K	L	Insert	Shim	Screw of shim	Clamp	Screw	Wrench	Price
		R	L												
S	S25R-MVUNR/L16	●	●	36	25	20	12	200	VN□□ 1604□□	SMV-322	LCS-513	CP50-22	CS70-21	LW020 LW030	
	S32S-MVUNR/L16	●	●	42	32	22	17	250							
	S40T-MVUNR/L16	●	●	50	40	26	15	300							
	S50U-MVUNR/L16	●	●	63	50	32	12	350							

- Insert Detail : VN□□1604□□→Ref.Page-W
- Recommend you to choose our patent products E-Type.
- Sleeve refer Page-310~314

Boring Bar

**G**  
BORING BAR



**EVQN** Boring Bar Right Hand Show


Shank	Model No	Stock		Min. Bore Dia. ØB	D	F	K°	L	Insert	Shim	Screw of shim	Clamp	Screw	Clasp	Wrench	Price
		R	L													
S	S40T-EVQNR/L16	●	●	50	40	26	15	300	VN□□ 1604□□	SMV-322	LT-3	VN16	CS60E	C-5	LW025 LW030	
	S50U-EVQNR/L16	●	●	63	50	32	12	350								

Boring Bar

**G**  
 BORING BAR

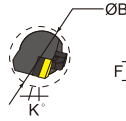
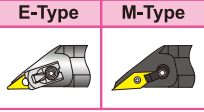
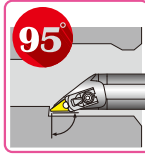
Shank	Model No	Stock		Min. Bore Dia. ØB	D	F	K°	L	Insert	Shim	Screw of shim	Clamp	Screw	Wrench	Price
		R	L												
S	S25R-MVQNR/L16	●	●	32	25	20	12	200	VN□□ 1604□□	SMV-322	LCS-513	CP50-22	CS70-21	LW020 LW030	
	S32S-MVQNR/L16	●	●	42	32	22	17	250							
	S40T-MVQNR/L16	●	●	50	40	26	15	300							
	S50U-MVQNR/L16	●	●	63	50	32	12	350							

- Insert Detail : VN□□1604□□→Ref.Page-W
- Recommend you to choose our patent products E-Type.
- Sleeve refer Page-310~314



# EVLN

Boring Bar  
Right Hand Show



Shank	Model No	Stock		Min. Bore Dia. ØB	D	F	K	L	Insert	Shim	Screw of shim	Clamp	Screw	Clasp	Wrench	Price
		R	L													
S	S40T-EVLNR/L16	●	●	50	40	26	15	300	VN□□ 1604□□	SMV-322	LT-3	VN16	CS60E	C-5	LW025 LW030	
	S50U-EVLNR/L16	●	●	63	50	32	12	350								

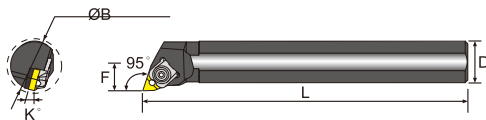
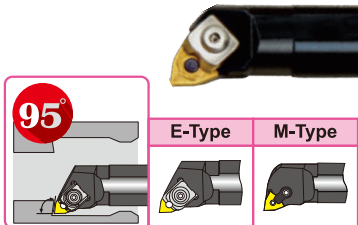
Shank	Model No	Stock		Min. Bore Dia. ØB	D	F	K	L	Insert	Shim	Screw of shim	Clamp	Screw	Wrench	Price
		R	L												
S	S25R-MVLNR/L16	●	●	36	25	20	12	200	VN□□ 1604□□	SMV-322	LCS-513	CP50-22	CS70-21	LW020 LW030	
	S32S-MVLNR/L16	●	●	42	32	22	17	250							
	S40T-MVLNR/L16	●	●	50	40	26	15	300							
	S50U-MVLNR/L16	●	●	63	50	32	12	350							

- Insert Detail : VN□□1604□□→Ref.Page-W
- Recommend you to choose our patent products E-Type.
- Sleeve refer Page-310~314

Boring Bar

G BORING BAR



**EWLN** Boring Bar  
 Right Hand Show


Shank	Model No	Stock		Min. Bore Dia. ØB	D	F	K	L	Insert	Shim	Screw of shim	Clamp	Screw	Clasp	Wrench	Price
		R	L													
S	S20R-EWLN/L06	●	●	25	20	13	17	200	WN□□ 0604□□	-	LT-2	WN06-2	CS60E	C-5	LW025 LW030	
	S25R-EWLN/L06	●	●	32	25	17	14	200			LW-3	WN08-3				
	S25R-EWLN/L08	●	●	32	25	17	14	200	WN□□ 0804□□	SMW-422	LW-4B	WN08-4	CS80	C-6	LW030 LW040	
	S25T-EWLN/L08	●	●	32	25	17	14	300								
	S32S-EWLN/L08	●	●	40	32	22	14	250								
	S32U-EWLN/L08	●	●	40	32	22	14	350								
	S40T-EWLN/L08	●	●	50	40	27	12	300								
	S40W-EWLN/L08	●	●	50	40	27	12	450								
	S50U-EWLN/L08	●	●	63	50	35	12	350								
	S50Y-EWLN/L08	●	●	63	50	35	12	500								

Shank	Model No	Stock		Min. Bore Dia. ØB	D	F	K	L	Insert	Shim	Screw of shim	Clamp	Screw	Wrench	Price
		R	L												
S	S16Q-MWLN/L06	●	●	22	16	11	20	180	WN□□ 0604□□	-	LCS-510	CP50-21	CS70-20	LW020 LW025	
	S20R-MWLN/L08	●	●	25	20	13	17	200			LCS-511				
	S25R-MWLN/L08	●	●	32	25	17	14	200	WN□□ 0804□□	SMW-422	LCS-617	CP50-22	CS70-21	LW025 LW030	
	S32S-MWLN/L08	●	●	40	32	22	14	250							
	S40T-MWLN/L08	●	●	50	40	27	12	300							
	S50U-MWLN/L08	●	●	63	50	35	12	350							

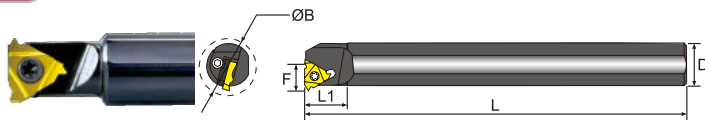
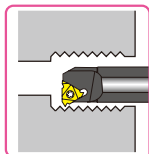
- Insert Detail : WN□□0804□□→Ref.Page-X
- Recommend you to choose our patent products E-Type.
- Sleeve refer Page-310~314

Boring Bar

**G**  
 BORING BAR


**SIN** Threading Boring Bar  
Right Hand Show

**New Specification Arrival**



Shank	Model No	Stock		Min. Bore Dia. ØB	D	F	L	L1	Insert	Shim	Shim	Screw	Screw	Wrench	Wrench	Price
		R	L													
S	SNR0005H-06	●		6.4	12	3.2	100	10	08IR			CS20		T-6		
	SNR0008K-08	●		9	16	4.2	125	15	08IR			CS22		T-7		
	SINR/L-1012-11	●	●	11	12	5.8	150	25	11 IR/ER	-	-	CS30	-	T-10	-	
	SINR/L-1210-11	●	●	12	10	6	150	25								
	SINR/L-1216-11	●	●	12	16	6	150	25	16 IR/ER			CS35				
	SINR/L-1516-11	●	●	15	16	7.5	150	30								
	SINR/L-1616-16	●	●	16	16	8	150	20								
	SINR/L-2016-16	●	●	20	16	10	150	20	22 IR/ER	AI16	AE16	CS35 115	CS6-0306		LW025	
	SINR/L-2420S-16	●	●	24	20	12.3	180	20								
	SINR/L-3025S-16	●	●	30	25	15	200	25								
	SINR/L-3732S-16	●	●	37	32	18.5	250	45								
	<b>NEW</b> SINR/L-4440S-16	●	●	44	40	22.4	300	60	11 IR/ER					T-15		
	<b>NEW</b> SINR/L-5450S-16	●	●	54	50	27.4	350	75								
	SINR/L-3025S-22	●	●	30	25	16.2	200	25	22 IR/ER	AI22	AE22	CS45 115	CS6-0406		LW030	
	SINR/L-3732S-22	●	●	37	32	19	250	45								
	<b>NEW</b> SINR/L4740S-22	●	●	46	40	23.9	300	60								
	<b>NEW</b> SINR/L5750S-22	●	●	56	50	28.9	350	75								
	<b>NEW</b> SINR/L-0010-11-125			12	10	7	125	-	11 IR/ER			CS30		T-10		
	SINR/L-0012-11-125	●	●	15	12	8	125	-	11 IR/ER	-	-					
	SINR/L-0016-16-150	●	●	20	16	10.9	150	-	16 IR/ER			CS35		T-15		

※ Continued on next page.

Threading Boring Bar

**G**  
BORING BAR



Shank	Model No	Stock		Min. Bore Dia. ØB	D	F	L	L1	Insert	Shim	Shim	Screw	Screw	Wrench	Wrench	Price
		R	L													
C	CINR/L-0010-11	●		13	10	7	150	-	11 IR/ER	-	-	CS30	-	T-10	-	
	CINR/L-0012-11	●		15	12	8	150	-	11 IR/ER	-	-	CS30	-	T-10	-	
	CINR/L-0016-16	●		20	16	10.9	150	-	16 IR/ER	-	-	CS35	-	T-15	-	

- Insert Detail : 06IR、08IR、11ER/IR、16ER/IR→Ref.Page-AQ~AR
- ER : Left hand insert.
- IR : Right hand insert.
- Sleeve refer Page-310~314

Boring Bar

**G**  
 BORING BAR
