



GLOBAL TOOLING SOLUTIONS

— MANUFACTURER OF CUTTING TOOLS —

PRECISION ENGINEERED.
PERFORMANCE DELIVERED.

GET IN TOUCH

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GLOBAL TOOLING SOLUTIONS
— MANUFACTURER OF CUTTING TOOLS —

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PRECISION TOOLS. GLOBAL PERFORMANCE.

Delivering excellence through
innovation, quality and precision.



PRECISE
PERFORMANCE



RELIABLE
DURABILITY



SUPERIOR
QUALITY



GLOBAL TOOLING
SOLUTIONS



PLOT NO F-II, 108, NEAR WONDER CARS,
PIMPRI MDC, PUNE 411018



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GLOBAL TOOLING SOLUTIONS

— MANUFACTURER OF CUTTING TOOLS —

| E Series



HIGH
PRECISION



WEAR
RESISTANT



EXCELLENT
FINISH



LONG TOOL
LIFE



SECURE
CLAMPING



TURNING TOOL HOLDER IDENTIFICATION SYSTEM

E C L N R 25 25 M 12

1 2 3 4 5 6 7 8 9

1 Clamping system

2 Insert shape

3 Toolholder shape

4 Relief angle

5 Version

6 Shank height

7 Shank width

8 Tool length

9 Cutting edge length

1 Clamping system

Top Clamping	Top & Hole Clamping	Wedge Lock Holding	Screw Clamping
C	M	E	S

4 Relief Angle

Sign	Relief Angle
B	
C	
N	
P	

2 Insert Shape

Sign	Insert Shape	Angle
R		—
S		90°
T		60°
K		80°
C		55°
D		75°
E		55°
V		35°
W		80°

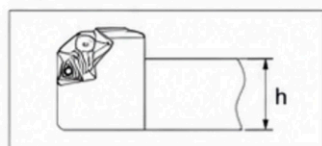
3 Toolholder Shape

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

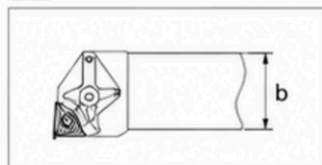
5 Version

Sign	Direction
R	
N	
L	

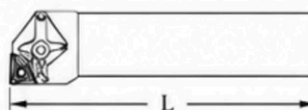
6 Shank Height



8 Shank Width

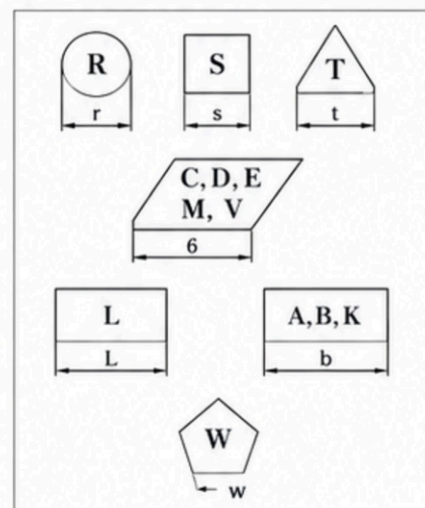


7 Tool Length



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

11 Cutting Edge Length



Dimension (hxb)

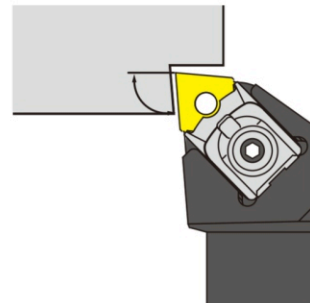
Example: h=8mm, b=8mm

Integers to be preceded by 0
e.g., h=16mm indicated by 016

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

ECLN

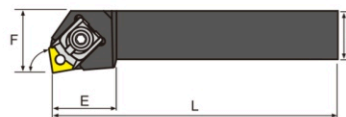
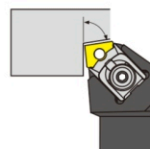
Right-Hand Show



MODEL No	Stock		Dimension(mm)					Insert	Parts					
	R	L	A	B	L	E	F		Shim	Screw Clamp of shim	Clamp	Screw	Clasp	Wrench
ECLNR/L-2020K12	•	•	20	20	125	32	25							
ECLNR/L-2525M12	•	•	25	25	150	32	32	CN□□ 1204□□	SMC -432	LW-4				LW03 0 LW04 0
ECLNR/L-3232P12	•	•	32	32	170	32	40				CN12-2	CS80	C-6	
ECLNR/L-2525M16	•	•	25	25	150	44	32	CN□□ 1606□□	SMC -416	LW-5				LW040
ECLNR/L-3232P16	•	•	32	32	170	32	40							
ECLNR/L 12-4B	•	•	19.05	19.05	114.3	32	25.4							
ECLNR/L 16-4D	•	•	25.4	25.4	152.4	32	31.8	CN□□ 1204□□	SMC -432	LW-4				LW03 0 LW04 0
ECLNR/L 20-4D	•	•	31.75	31.75	152.4	32	38.1				CN12-2	CS80	C-6	
ECLNR/L 16-5D	•	•	25.4	25.4	152.4	32	31.8	CN□□ 1606□□	SMC -416	LW-5				LW040
ECLNR/L 20-5D	•	•	31.75	31.75	152.4	32	38.1							

ECKN

Right-Hand Show

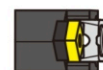


Parts

MODEL No	Stock		Dimension(mm)					Insert	Parts					
	R	L	A	B	L	E	F		Shim	Screw of shim	Clamp of shim	Screw	Clasp	Wrench
ECKNR/L-2020K12	•	•	20	20	125	32	25							
ECKNR/L-2525M12	•	•	25	25	150	32	32	CN□□ 1204□□	SMC -432	LW-4	CN12-4	CS80	C-6	LW03 0 LW04 0
ECKNR/L-3232P12	•	•	32	32	170	32	40							

ECMN

Right-Hand Show

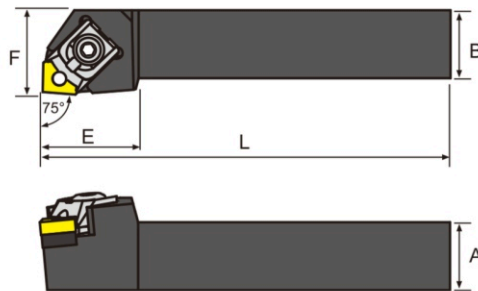


Parts

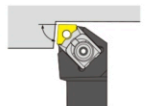
MODEL No	Stock	Dimension(mm)					Insert	Parts					
		A	B	L	E	F		Shim	Screw of shim	Clamp of shim	Screw	Clasp	Wrench
ECMNN-2020K12	•	20	20	125	32	25							
ECMNN-2525M12	•	25	25	150	32	32	CN□□ 1204□□ 1204□□	SMC -432	LW-4	CN12-2	CS80	C-6	LW03 0 LW04 0
ECMNN-3232P12	•	32	32	170	48	40							
ECMNN-2525M16	•	25	25	150	42	32	CN□□ 1606□□	SMC -416	LW-5				LW040

ECRN

Right-Hand Show



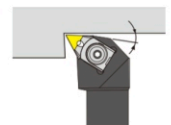
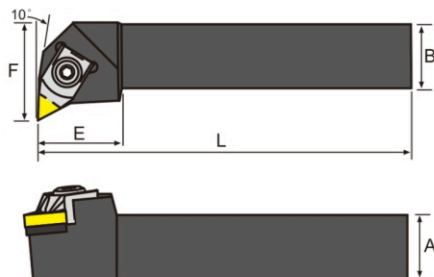
E-TYPE



MODEL No	Stock		Dimension(mm)					Insert	Parts					
	R	L	A	B	L	E	F		Shim	Screw Clamp of shim	Screw	Clasp Wrench		
														
ECRNR/L-2020K12	●	●	20	20	125	32	25							
ECRNR/L-2525M12	●	●	25	25	150	32	32							
ECRNR/L-3232P12	●	●	32	32	170	32	40							

ETXN

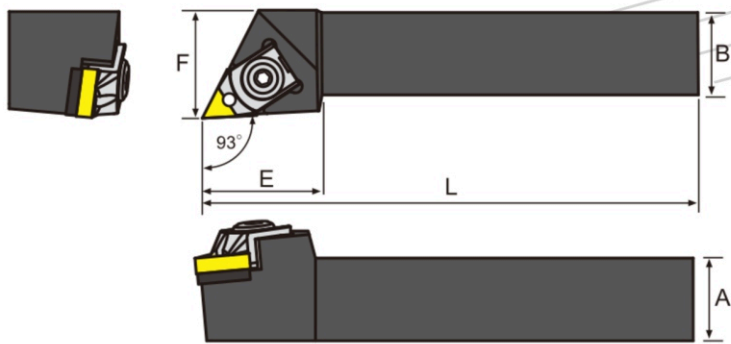
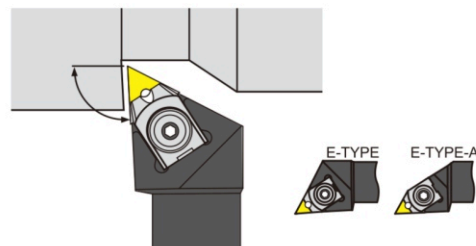
Right-Hand Show



MODEL No	Stock		Dimension(mm)					Insert	Parts						
	R	L	A	B	L	E	F		Shim	Screw Clamp of shim	Screw	Clasp Wrench			
															
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								

ETJN

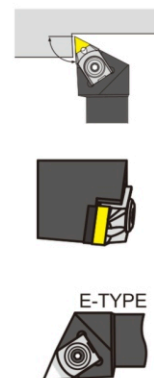
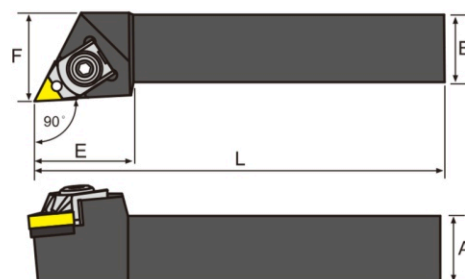
Right-Hand Show



MODEL No	Stock		Dimension(mm)					Insert	Parts					
	R	L	A	B	L	E	F		Shim	Screw of shim	Clamp	Screw	Clasp	Wrench
ETJNR/L-1616K16	•	•	16	16	125	32	20	TN□□ 1604□□	SMT -322	LT-4	TN16-2	CS60E	C-5	LW025 LW030
ETJNR/L-2020K16	•	•	20	20	125	32	25			LT-3	TN16-3	CS80	C-6	LW025 LW040
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							
ETJNR/L 12-3B	•	•	19.05	19.05	114.3	32	25.4	TN□□ 1604□□	SMT-322	LT-3	TN16-3	CS80	LW025 LW040	
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							

ETGN

Right-Hand Show

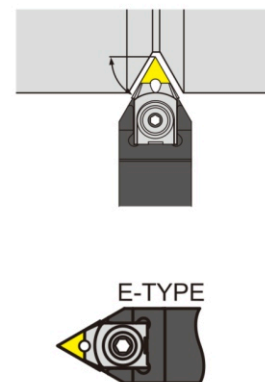
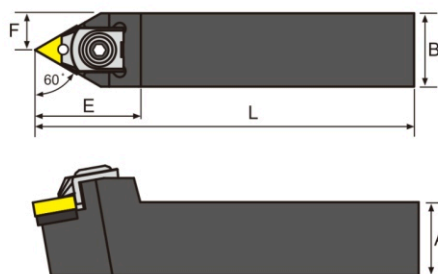


E-TYPE

MODEL No	Stock		Dimension(mm)				Insert	Parts							
	R	L	A	B	L	E	F			Shim	Screw	Clamp	Screw	Clasp	Wrench
										of shim					
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								

ETEN

Right-Hand Show

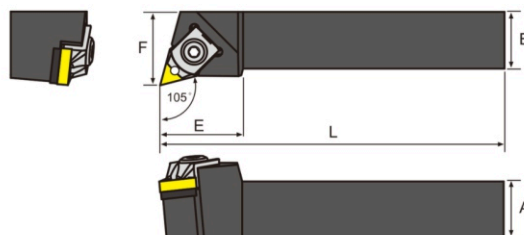
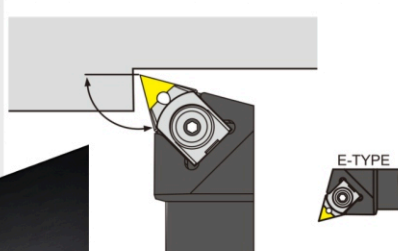


E-TYPE

MODEL No	Stock	Dimension(mm)					Insert	Parts					
		A	B	L	E	F		Shim	Screw of shim	Clamp	Screw	Clasp	Wrench
ETENN-2020K16	•	20	20	125	38	10	 TN□□ 1604□□	 SMT -322	 LT-3	 TN16-3	 CS80	 C-6	 LW025 LW040
ETENN-2525M16	•	25	25	150	42	12.5							

ETQN

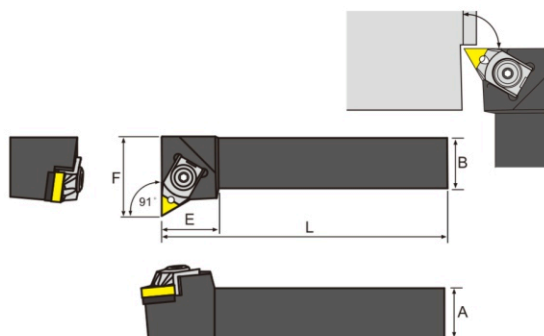
Right-Hand Show



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

ETFN

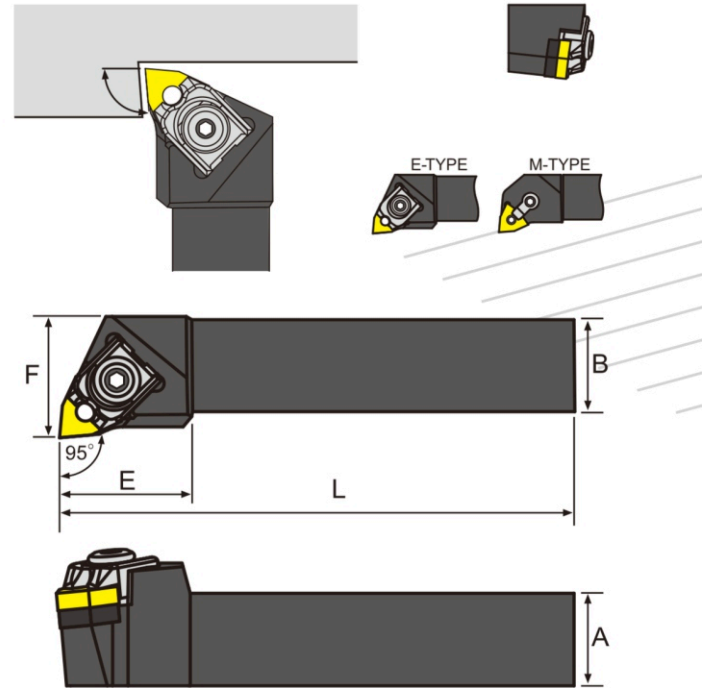
Right-Hand Show



MODEL No	Stock		Dimension(mm)					Insert	Parts					
	R	L	A	B	L	E	F		Shim	Screw Clamp of shim	Screw	Clasp Wrench		
ETFNR/L-2020K16	•	•	20	20	125	32	25							
ETFNR/L-2525M16	•	•	25	25	150	32	13	TN□□ 1604□□	SMT -322	LT-3	TN16-3	CS80	C-6	LW025 LW040
ETFNR/L-3232P16	•	•	32	32	170	32	40							

EWLN

Right-Hand Show



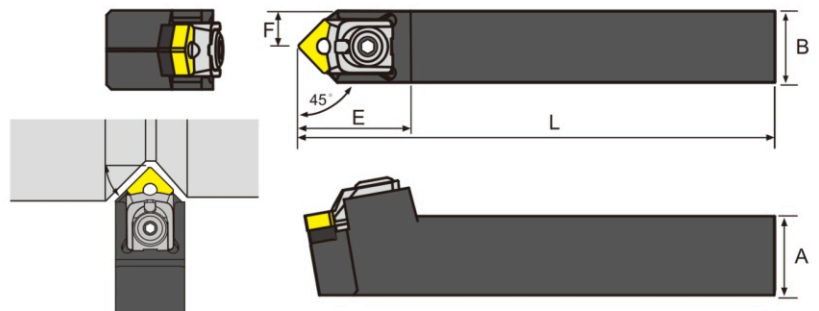
MODEL No	Stock		Dimension(mm)					Insert	Parts					
	R	L	A	B	L	E	F		Shim	Screw Clamp of shim	Screw	Clasp Wrench		
EWLNR/L-2020K06	•	•	20	20	125	32	25	WN□□ 0604□□	SMW -406	LT-3	WN06-2	CS60E	C-5	LW025 LW030
EWLNR/L-2525M06	•	•	25	25	150	32	32							
EWLNR/L-2020K08	•	•	20	20	125	32	25							
EWLNR/L-2525M08	•	•	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							

C Tool Holder

EXTERNAL TOOL HOLDER

ESDN

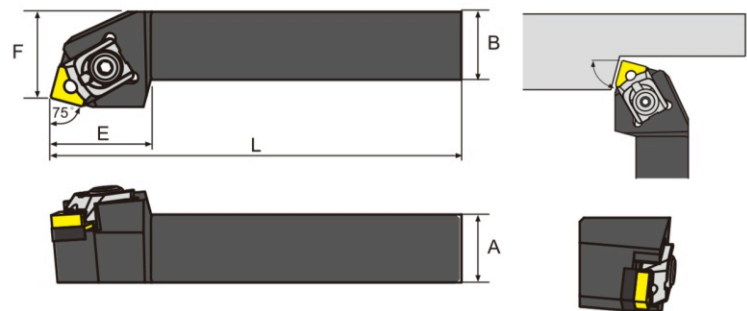
Right-Hand Show



MODEL No	Stock	Dimension(mm)					Insert	Parts					
		A	B	L	E	F		Shim	Screw Clamp of shim	Screw	Clasp Wrench		
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							

ESBN

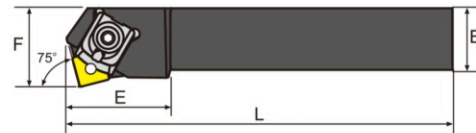
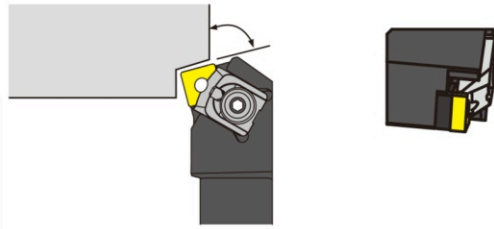
Right-Hand Show



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

ESKN

Right-Hand Show

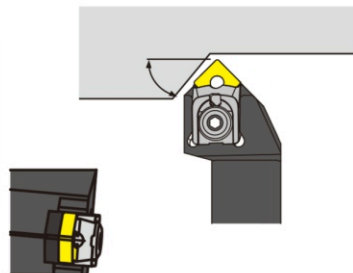


Parts

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

ESSN

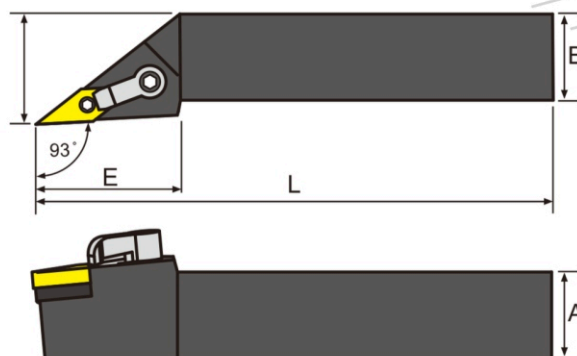
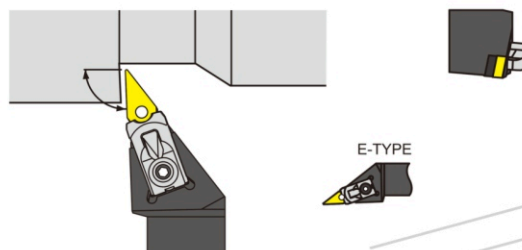
Right-Hand Show



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

EVJN

Right-Hand Show



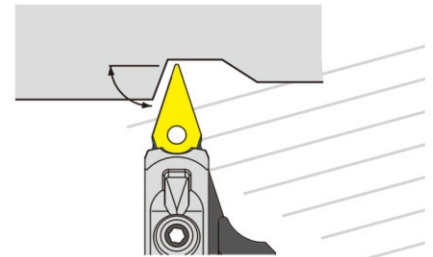
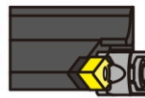
MODEL No	Stock		Dimension(mm)					Insert	Parts					
	R	L	A	B	L	E	F		Shim	Screw Clamp of shim	Screw	Clasp Wrench		
EVJNR/L-2020K12	•	•	20	20	125	44	25	VN□□ 12T3□□	—	LT-1	VN12			
EVJNR/L-2525M12	•	•	25	25	150	44	32							
EVJNR/L-2020K16	•	•	20	20	125	44	25				CS60E	C-5	LW025 LW030	
EVJNR/L-2525M16	•	•	25	25	150	44	32	VN□□ 1604□□	SMV -322	LW-3	VN16			
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							

C Tool Holder

EXTERNAL TOOL HOLDER

EVVN

Right-Hand Show



Parts

Stock

Dimension(mm)

Insert

Shim

Screw Clamp of shim

Screw

Clasp Wrench

MODEL No

R

L

A

B

L

E

F



EVVNR/L-2020K16

•

•

20

20

125

48

25

VN□□
1604□□

SMV
-322

LT-3

VN16

CS60E

C-5

LW025
LW030

EVVNR/L-2525M16

•

•

25

25

150

48

32

VN□□
1604□□

SMV
-322

LT-3

VN16

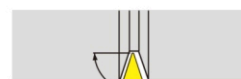
CS60E

C-5

LW025
LW030

EVVN

Right-Hand Show



Dimension(mm)

Insert

Shim

Screw Clamp of shim

Screw

Clasp Wrench

MODEL No

Stock

A

B

L

E

F



EVVNN-2020K16

•

20

20

125

48

10

VN□□
1604□□

SMV
-322

LT-3

VN16

CS60E

C-5

LW025
LW030

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

VN□□
1604□□

SMV
-322

LT-3

VN16

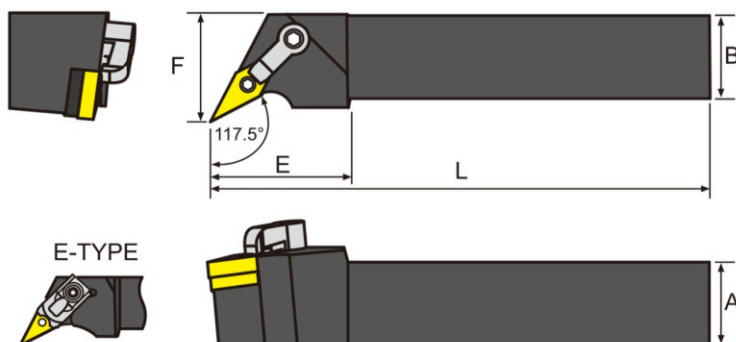
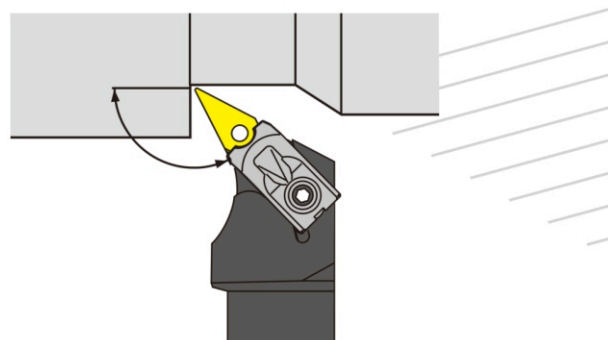
CS60E

C-5

LW025
LW030

EVQN

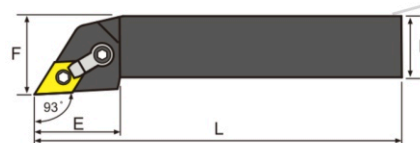
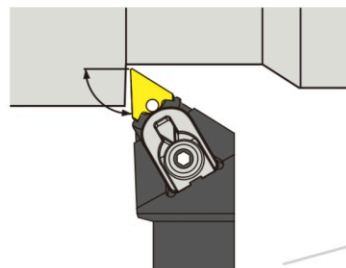
Right-Hand Show



MODEL No	Stock		Dimension(mm)					Insert	Parts					
	R	L	A	B	L	E	F		Shim	Screw Clamp of shim	Screw	Clasp	Wrench	
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							

EDJN

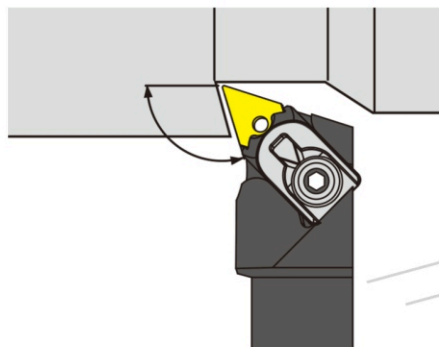
Right-Hand Show



MODEL No	Stock		Dimension(mm)					Insert	Parts						
	R	L	A	B	L	E	F		Shim	Screw Clamp of shim	Clamp	Screw	Clasp	Wrench	
															
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	DN□□ 1504□□	SMD -463	LD-1	DN15	CS80	C-6	LW025 LW040	
EDJNR/L-2020K15	●	●	20	20	125	44	25								
EDJNR/L-2525M15	●	●	25	25	150	44	32								
EDJNR/L-3232P15	●	●	32	32	170	44	40								
EDJNR/L-2020K15A	●	●	20	20	125	44	25	DN□□ 1506□□	SMD -466	LW-4					
EDJNR/L-2525M15A	●	●	25	25	150	44	32								
EDJNR/L-3232P15A	●	●	32	32	170	44	40								
EDJNR/L 12-4B	●	●	19.05	19.05	114.3	32	25.4	DN□□ 1504□□	SMD-463	LD-1	DN15	CS80		LW030 LW040	
EDJNR/L 16-4D	●	●	25.4	25.4	152.4	32	31.75								
EDJNR/L 20-4D	●	●	31.75	31.75	152.4	32	38.1								

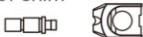
EDQN

Right-Hand Show



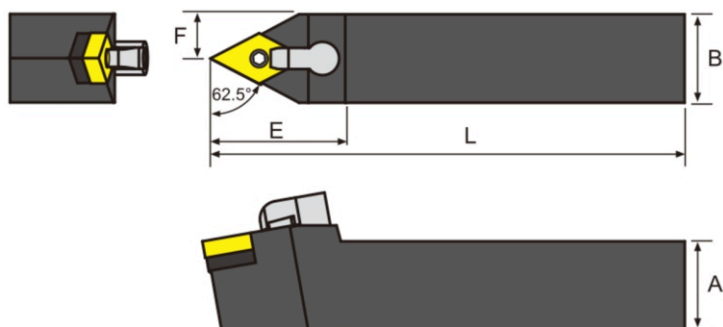
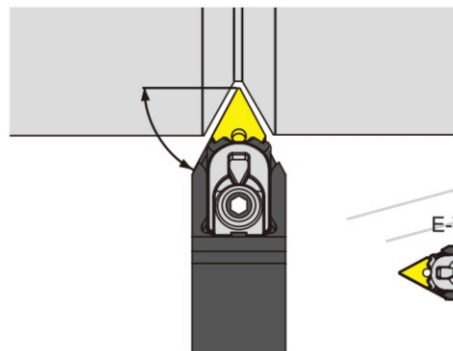
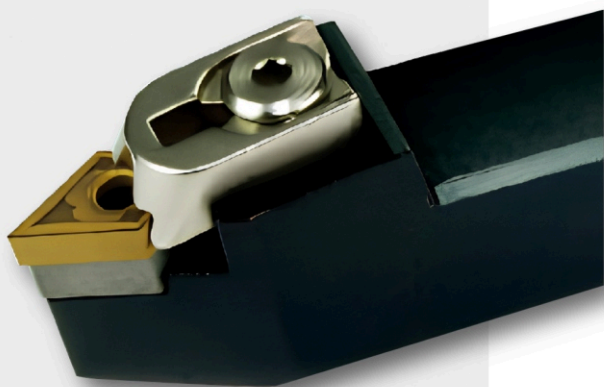
E-TYPE



MODEL No	Stock		Dimension(mm)				Insert	Parts						
	R	L	A	B	L	E	F		Shim 	Screw Clamp of shim 	Screw 	Clasp 	Wrench 	
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□□ 1506□□	SMD -466	LW-4				
EDQNR/L-2525M15A	●	●	25	25	150	44	32	DN□□ 1506□□	SMD -466	LW-4				
EDQNR/L-3232P15A	●	●	32	32	170	36	40							

EDNN

Right-Hand Show



MODEL No	Stock	Dimension(mm)					Insert	Parts					
		A	B	L	E	F		Shim	Screw Clamp of shim	Screw	Clasp Wrench		
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	 DN15 CS80	 C-6	 LW030 LW040	
EDNNN-2525M15A	•	25	25	150	48	12.5							
EDNNN-3232P15A	•	32	32	170	48	16							



GLOBAL TOOLING SOLUTIONS

— MANUFACTURER OF CUTTING TOOLS —

| S Series



HIGH
PRECISION



WEAR
RESISTANT



EXCELLENT
FINISH



LONG
TOOL LIFE



SECURE
CLAMPING

BORING BAR IDENTIFICATION SYSTEM

S **32** **S** **E** **C** **L** **N** **R** **12**

1 **2** **3** **4** **5** **6** **7** **8** **9**

Construction features/Type

Shank diameter

Insert shape

Toolholder shape

Relief angle

Clamping system

Version

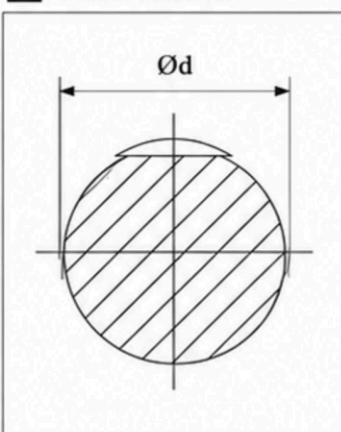
Cutting edge length

Shank length(mm)

1 Construction features/Type

Code	Construction features/Type
S	Steel
A	Steel(with thru coolant)
D	Head
C	Carbide
E	Carbide (w/ thru coolant)
H	Alloy tool steel
R	Floating head

2 Shank diameter



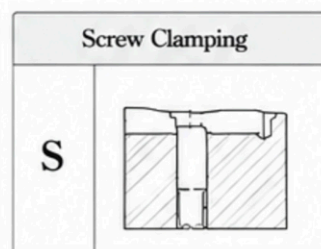
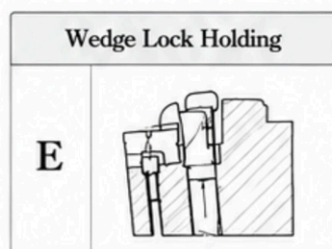
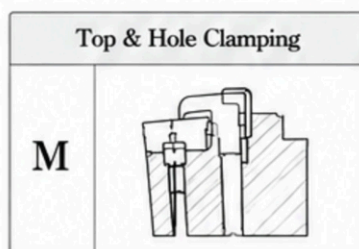
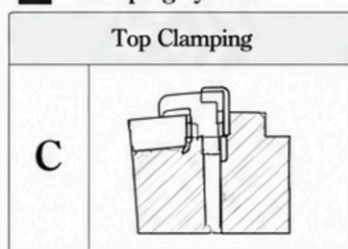
6 Clamping system

Code	Cutting edge length
H	100
J	110
K	125
M	150
Q	180
R	200
S	250

7 Version

Code	Shank length
T	300
U	350
V	400
W	450
Y	500
X	Special

6 Clamping system



3 Insert shape

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

4 Toolholder Shape

Code	Toolholder Shape	Code	Toolholder Shape
L		J	
U		K	
F		L	
K		M	
Z		N	
Q		P	

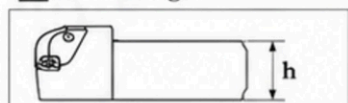
5 Relief Angle

Code	Relief Angle
B	
C	
N	
P	

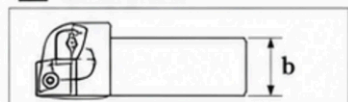
7 Version

Code	Direction
R	
L	

8 Shank Height



8 Shank Width

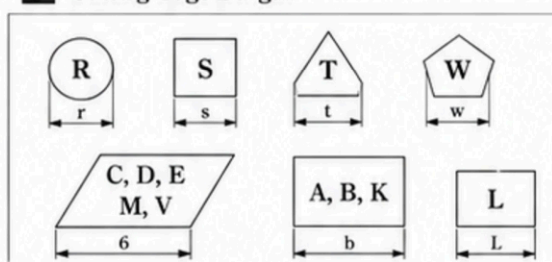


Dimension (hxb)

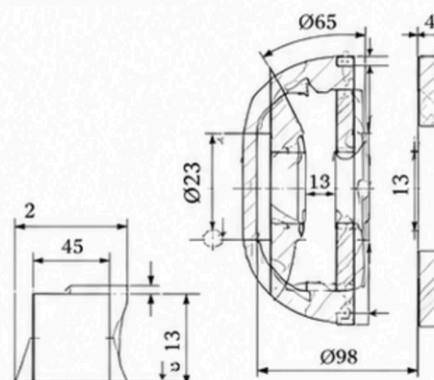
Example: h=8mm, b=8mm

Integers to be preceded by 0
e.g., h=16mm indicated by 016

9 Cutting Edge Length

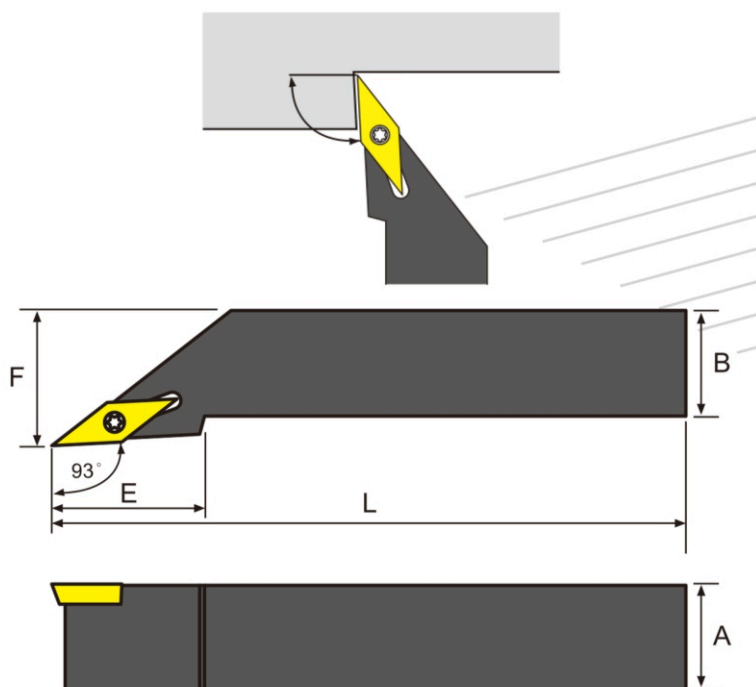


Note: Letter symbol in 10th position can be replaced by a dash for standard length tools.



SVJB

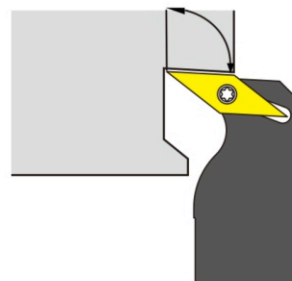
Right-Hand Show



MODEL No	Stock		Dimension(mm)					Parts		
	R	L	A	B	L	E	F	 Insert	 Screw	 Wrench
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	30	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			

SVUB

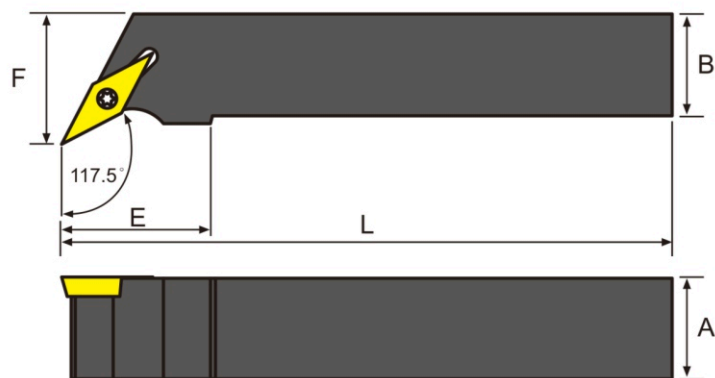
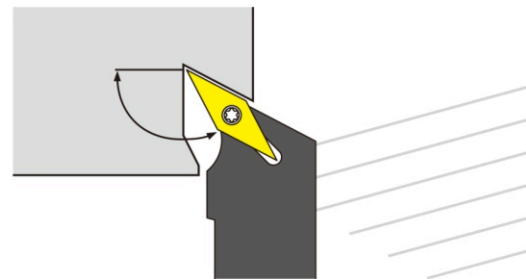
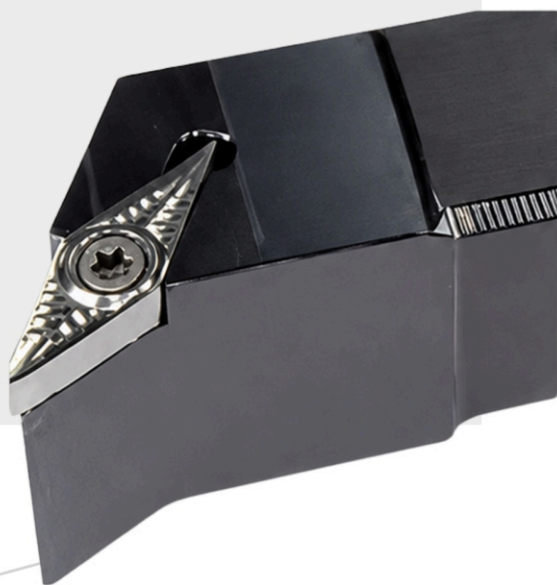
Right-Hand Show



MODEL No	Stock		Dimension(mm)				 Insert	Parts		 Screw	 Wrench	
	R	L	A	B	L	F						
SVUBR/L-1616K11	•	•	16	16	125	25	VB□□1103□□	CS25	T-8			
SVUBR/L-2020K11	•	•	20	20	125	30						
SVUBR/L-2020K16	•	•	20	20	125	30	VB□□1604□□	CS35	T-15			
SVUBR/L-2525M16	•	•	25	25	150	35						

SVQB

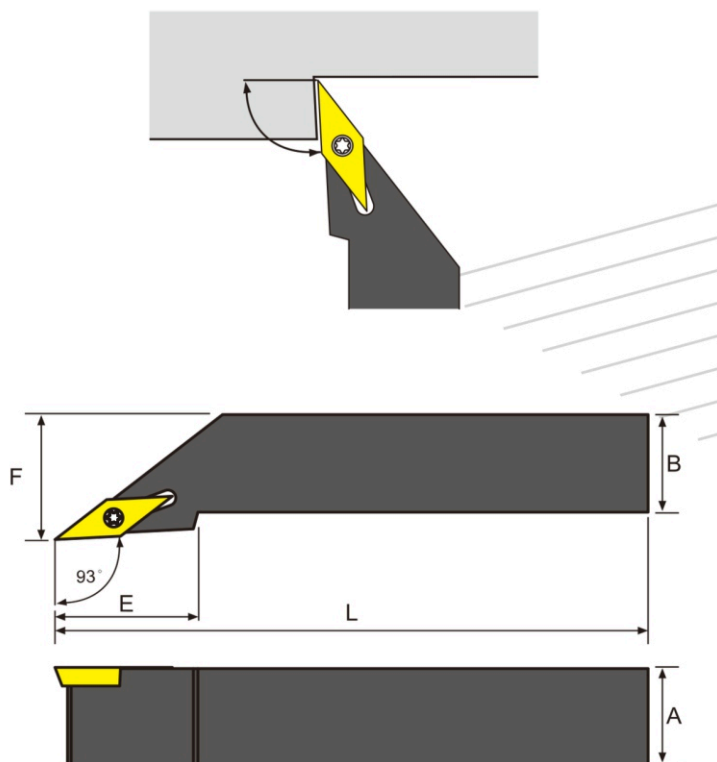
Right-Hand Show



MODEL No	Stock		Dimension(mm)					Parts			
	R	L	A	B	L	E	F	Insert	Screw	Wrench	
SVQBR/L-1010K11	•	•	10	10	125	14	14.5	VB□□1103□□	CS25	T-8	
SVQBR/L-1212K11	•	•	12	12	125	18	16.5				
SVQBR/L-1616K11	•	•	16	16	125	30	20.5				
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				

SVJC

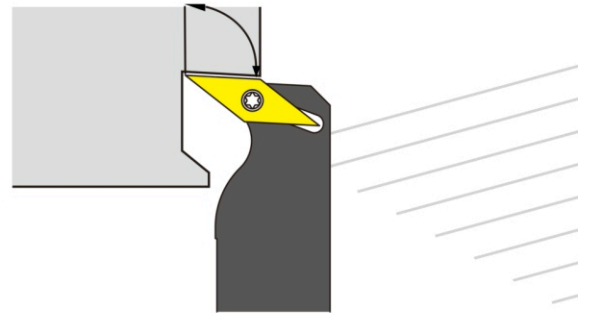
Right-Hand Show



MODEL No	Stock		Dimension(mm)					Insert	Parts		
	R	L	A	B	L	E	F		Screw	Wrench	
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				
SVJCR/L-1616K16	•	•	16	16	125	30	20	VC□□1604□□	CS35	T-15	
SVJCR/L-2020K16	•	•	20	20	125	40	25				
SVJCR/L-2525M16	•	•	25	25	150	40	32				

SVUC

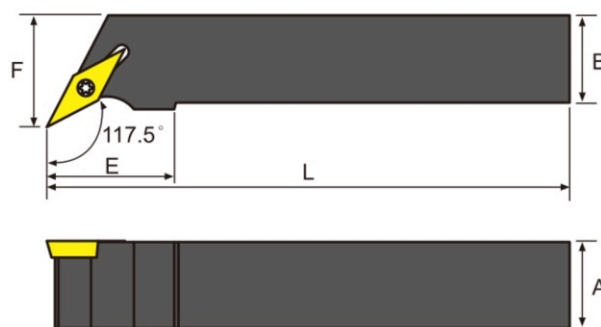
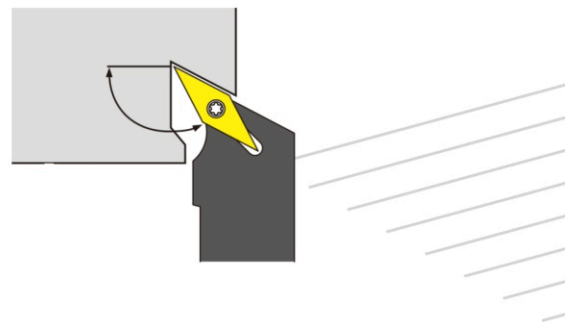
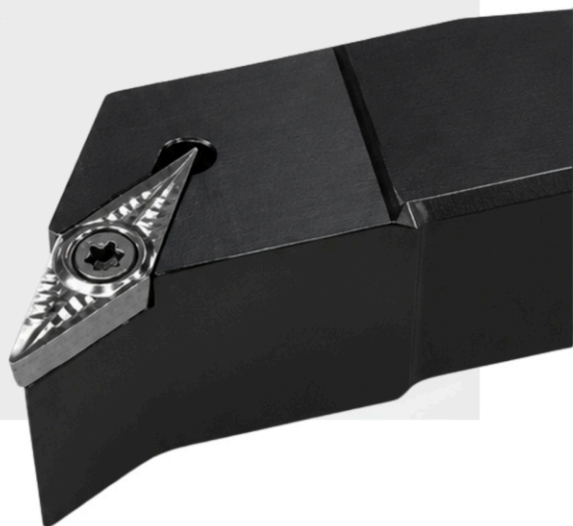
Right-Hand Show



MODEL No	Stock		Dimension(mm)				Insert	Parts		
	R	L	A	B	L	F		Screw	Wrench	
SVUCR/L-1616K11	•	•	16	16	125	25	VC□□1103□□	CS25	T-8	
SVUCR/L-2020K11	•	•	20	20	125	30				
SVUCR/L-2020K16	•	•	20	20	125	30				

SVQC

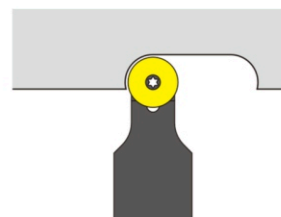
Right-Hand Show



MODEL No	Stock		Dimension(mm)					Insert	Parts		
	R	L	A	B	L	E	F		Screw	Wrench	
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				

SRDC

Right-Hand Show



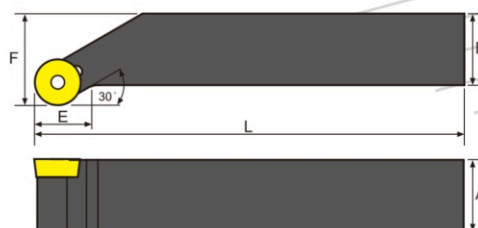
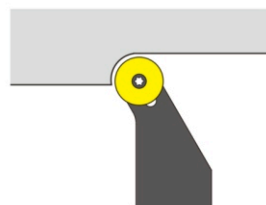
Dimension(mm)

Parts

MODEL No	Stock	A	B	L	E	F	Insert	Screw	Wrench	
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				

SRGC

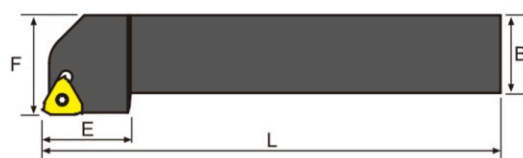
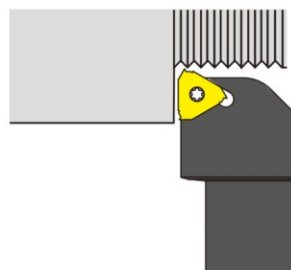
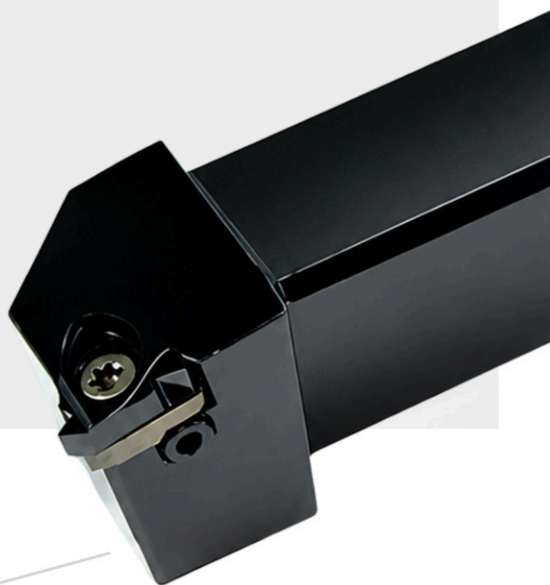
Right-Hand Show



MODEL No	Stock		Dimension(mm)					 Insert	Parts		
	R	L	A	B	L	E	F		 Screw	 Wrench	
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□□			
SRGCR/L-2525M10			25	25	150	20	32				
SRGCR/L-2020K10T3			20	20	125	16	25	RC□□10T3□□	CS35	T-15	
SRGCR/L-2020K12	●	●	20	20	125	1	25	RC□□1204□□			
SRGCR/L-2525M12	●	●	25	25	150	20	32				
SRGCR/L-2020K16	●	●	20	20	125	16	25	RC□□1606□□	CS45		
SRGCR/L-2525M16			25	25	150	20	32				

SER/L

Right-Hand Show



MODEL No	Stock		Dimension(mm)					Insert	Parts					
	R	L	A	B	L	E	F		Shim	Shim	Screw	Screw	Wrench	Wrench
SER/L-1010K16	•	•	10	10	125	20	14	16ER/IR			CS35		T-15	
SER/L-1212K11	•	•	12	12	125	20	16	11ER/IR	—	—	CS30	—	T10	—
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		AE16	AI16	CS LW-4 35115	CS6- 0306		LW025
SER/L-2525M16	•	•	25	25	150	27	32							
SER/L-3232P16	•	•	32	32	170	27	40							
SER/L-2525M22	•	•	25	25	150	27	32	22ER/IR	AE22	AI22	CS 45115	CS6- 0406		LW030
SER/L-3232P22	•	•	32	32	170	27	40							



GLOBAL TOOLING SOLUTIONS

— MANUFACTURER OF CUTTING TOOLS —

Boring Tool Holder



HIGH
PRECISION



WEAR
RESISTANT



EXCELLENT
FINISH



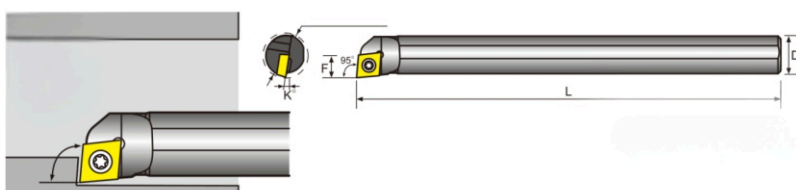
LONG TOOL
LIFE



SECURE
CLAMPING

SCLC

Right-Hand Show

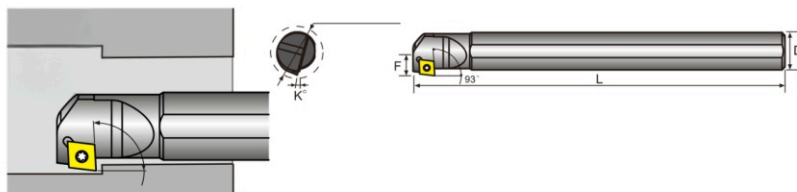


Parts

		StockBore Dia. Min.		Dimension(mm)					Insert			
MODEL No	Shank	R	L	ØB	D	F	L	K°				
S08K-SCLCR/L06-09	S	•	•	9	8	4.5	125	15	CC□□0602□□	CS25	T-8	
S08K-SCLCR/L06-10		•	•	10	10	5.5	125	9				
S10K-SCLCR/L06-12		•	•	12	12	6	125	12				
S12M-SCLCR/L06-14		•	•	14	16	7	150	12				
S16Q-SCLCR/L06-18		•	•	18	12	9	180	7				
S12M-SCLCR/L09-14		•	•	14	12	7	150	7	CC□□09T3□□	CS35	T-15	
S12M-SCLCR/L09-16		•	•	16	14	8.5	150	13				
S14M-SCLCR/L09-16		•	•	16	16	8	150	7				
S16Q-SCLCR/L09-18		•	•	18	18	9	180	9				
S18Q-SCLCR/L09-20		•	•	20	20	10	180	7				
S20R-SCLCR/L09-22		•	•	22	25	11	200	10				
S25R-SCLCR/L09		•	•	32	32	17	200	7	CC□□1204□□	CS45		
S32S-SCLCR/L09		•	•	39	40	18	250	6				
S40T-SCLCR/L09		•	•	42	20	22	300	4				
S20R-SCLCR/L12-22		•	•	22	25	12	200	8				
S25R-SCLCR/L12		•	•	32	32	14	200	8				
S32S-SCLCR/L12	•	•	39	40	18	250	6					
S40T-SCLCR/L12	•	•	44	10	22	300	4					

SCZC

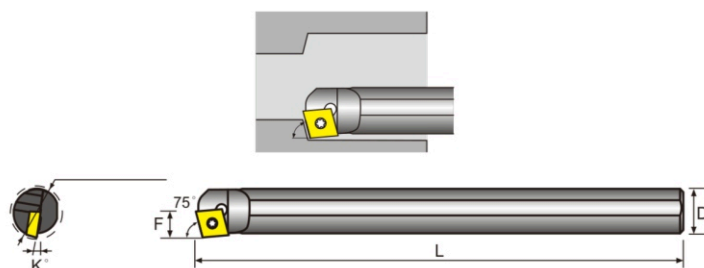
Right-Hand Show



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

SCKC

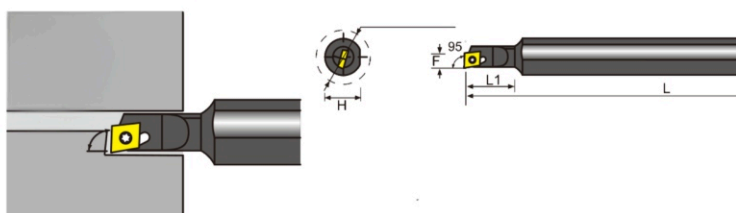
Right-Hand Show



MODEL No	Shank	Stock		Min. Bore Dia.	Dimension(mm)				Insert	Parts		
		R	L	ØB	D	F	L	K°		Screw 	Wrench 	
S08K-SCKCR/L06-10	S	•	•	10	8	5	125	15	CC□□0602□□	CS25	T-8	
S10K-SCKCR/L06-12		•	•	12	10	6	125	13				
S12M-SCKCR/L06-14		•	•	14	12	8	150	10				
S16Q-SCKCR/L06-18		•	•	18	16	10	180	7				
S12M-SCKCR/L09-16		•	•	16	12	8	150	12	CC□□09T3□□	CS35	T-15	
S16Q-SCKCR/L09-18		•	•	18	16	9	180	7				
S20R-SCKCR/L09-22		•	•	22	20	11	200	8				
S25R-SCKCR/L09		•	•	31	25	14	200	8				

SCLC

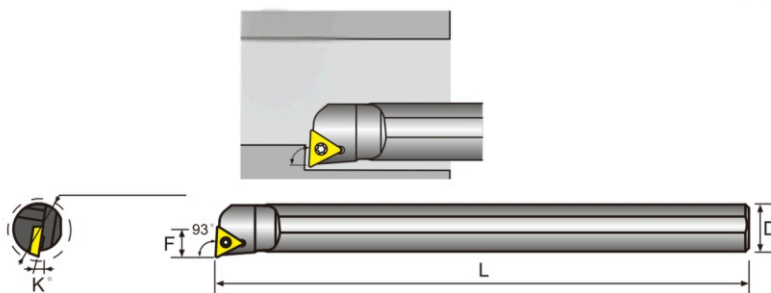
Right-Hand Show



MODEL No	Shank	Stock		Min. Bore Dia.	Dimension(mm)					Insert	Parts		
		R	L	ØB	D	L	L1	H	F		Screw 	Wrench 	
S0807K-SCLCR/L06	S	•		8	8	125	27	7	4	CC□□0602□□	CS25	T-8	
S1004K-SCLCR/L03		•		5	10	125	12	10	2.4	CC□□0301□□	CS18	T-6	
S1204H-SCLCR/L03		•		5	12	100	9	11	2.5				
S1206K-SCLCR/L04		•		7	12	125	15	11	3.5	CC□□0401□□	CS22	T-7	
S1607K-SCLCR/L06-08		•		8	16	125	15	15	4	CC□□0602□□	CS25	T-8	
S1608K-SCLCR/L06-09		•		9	16	125	5	15	4.5				
S1609K-SCLCR/L06-10		•	•	10	16	125	15	15	5				
S1610K-SCLCR/L06-12		•	•	12	16	125	15	15	6				

STUC

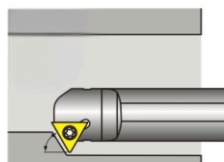
Right-Hand Show



MODEL No	Shank	Stock		Min. Bore Dia. ØB	Dimension(mm)				Insert	Parts		
		R	L		D	F	L	K°		Screw	Wrench	
S08K-STUCR/L09-10	S	•	•	10	8	5.5	125	12	TC□□0902□□	CS22	T-7	
S10K-STUCR/L09-12		•	•	12	10	6	125	15				
S10K-STUCR/L11-12		•	•	12	10	6	125	15				
S12M-STUCR/L11-14		•	•	14	12	7	150	10				
S14M-STUCR/L11-16		•	•	16	14	8	150	8	TC□□1102□□	CS25	T-8	
S16Q-STUCR/L11-18		•	•	18	16	9	180	6				
S20R-STUCR/L11-22		•	•	22	20	11	200	3				
S20R-STUCR/L16-22		•	•	22	20	11	200	8				
S25R-STUCR/L16		•	•	32	25	17	200	6	TC□□16T3□□	CS35	T-15	
S32S-STUCR/L16		•	•	39	32	17.5	250	4				

STWC

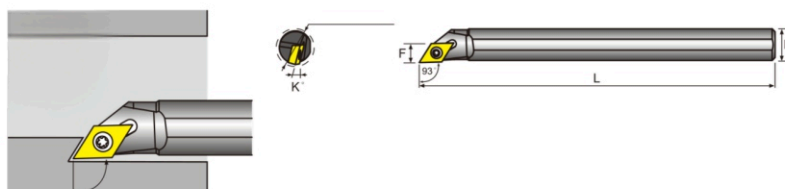
Right-Hand Show



MODEL No	Shank	Stock		Min. Bore Dia.	Dimension(mm)				Insert	Parts		
		R	L	ØB	D	F	L	K°		Screw	Wrench	
S08K-STWCR/L09	S	•	•	11	8	6.5	125	15	TC□□0902□□	CS22	T-7	
S10K-STWCR/L09		•	•	12	10	6	125	15				
S10K-STWCR/L11		•	•	12	10	7.5	125	15				
S12M-STWCR/L11		•	•	16	12	7	150	13				
S16Q-STWCR/L11		•	•	20	16	9	180	10	TC□□1102□□	CS25	T-8	
S20R-STWCR/L11		•	•	25	20	13	200	7				
S25R-STWCR/L16		•	•	30	25	17	200	7				
S32S-STWCR/L16		•	•	40	32	20	250	6				
S40T-STWCR/L16		•	•	48	40	24	300	0	TC□□16T3□□	CS35	T-15	

SDJC

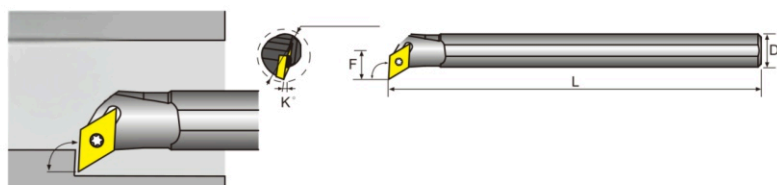
Right-Hand Show



MODEL No	Shank	Stock		Min. Bore Dia.	Dimension(mm)				Insert	Parts		
		R	L	ØB	D	F	L	K°		Screw	Wrench	
S08K-SDJCR/L07	S	•	•	10	8	5	125	10	DC□□0702□□	CS25	T-8	
S10K-SDJCR/L07		•	•	12	10	6	125	13				
S12M-SDJCR/L07		•	•	14	12	7	150	12				
S16Q-SDJCR/L07		•	•	19	16	9	180	12				
S16Q-SDJCR/L11		•	•	19	16	9	180	12	DC□□11T3□□	CS35	T-15	
S20R-SDJCR/L11		•	•	24	20	10.5	200	10				
S25R-SDJCR/L11		•	•	30	25	13.5	200	8				

SDUC

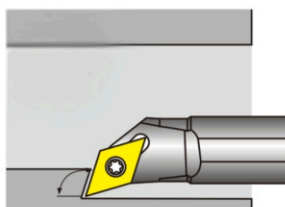
Right-Hand Show



MODEL No	Shank	Stock		Min. Bore Dia.	Dimension(mm)				Insert	Parts	
		R	L	ØB	D	F	L	K°		Screw 	Wrench 
S10K-SDUCR/L07	S	•	•	13	10	7	125	9	DC□□0702□□	CS25	T-8
S12M-SDUCR/L07		•	•	16	12	9	150	8			
S16Q-SDUCR/L07		•	•	20	16	11	180	6			
S16Q-SDUCR/L11		•	•	20	16	11	180	6	DC□□11T3□□	CS35	T-15
S20R-SDUCR/L11		•	•	25	20	13	200	8			
S25R-SDUCR/L11		•	•	32	25	17	200	6			
S32S-SDUCR/L11		•	•	39	32	20	250	4			
S40T-SDUCR/L11		•	•	45	40	24	300	2			
S50U-SDUCR/L11		•	•	64	50	32	350	6			

SDQC

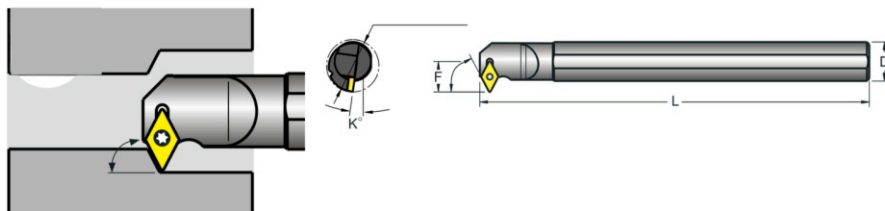
Right-Hand Show



MODEL No	Shank	Stock Bore Dia.		Min.	Dimension(mm)				Insert	Parts		
		R	L	ØB	D	F	L	K°		Screw	Wrench	
S10K-SDQCR/L07	S	•	•	13	10	7	125	10	DC□□0702□□	CS25	T-8	
S12M-SDQCR/L07		•	•	16	12	9	150	8				
S16Q-SDQCR/L07		•	•	20	16	11	180	5				
S16Q-SDQCR/L11		•	•	20	16	11	180	6	DC□□11T3□□	CS35	T-15	
S20R-SDQCR/L11		•	•	25	20	13	200	8				
S25R-SDQCR/L11		•	•	32	25	17	200	4				
S32S-SDQCR/L11		•	•	39	32	20	250	4				
S40T-SDQCR/L11				44	40	23	300	2				

SDWC

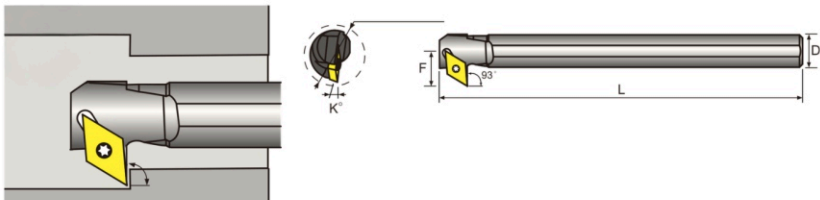
Right-Hand Show



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

SDZC

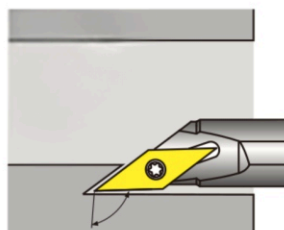
Right-Hand Show



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

SVJC

Right-Hand Show



MODEL No	Shank	Stock		Min. Bore Dia.	Dimension(mm)					Insert	Parts		
		R	L	ØB	D	F	L	K°			Screw	Wrench	
S10K-SVJCR/L11	S	•	•	12	10	6	125	13		VC□□1103□□	CS25	T-8	
S12M-SVJCR/L11		•	•	14	12	7	150	15					
S16Q-SVJCR/L11		•	•	18	16	9	180	14					
S20R-SVJCR/L11		•	•	25	20	10.5	180	10					
S16Q-SVJCR/L16		•	•	18	16	9	180	14					
S20R-SVJCR/L16		•	•	25	20	10.5	200	10		VC□□1604□□	CS35	T-15	
S25R-SVJCR/L16		•	•	32	25	13.5	200	7					
S32S-SVJCR/L16		•	•	40	32	17	250	7					
S40T-SVJCR/L16		•	•	47	40	23.5	300	8					

SVUC

Right-Hand Show



MODEL No	Shank	Stock		Min. Bore Dia.	Dimension(mm)				Insert	Parts	
		R	L	ØB	D	F	L	K°		Screw	Wrench
S16Q-SVUCR/L11	S	•	•	22	16	13	180	10	VC□□1103□□	CS25	T-8
S20R-SVUCR/L11		•	•	27	20	15	200	10			
S25R-SVUCR/L11		•	•	33	25	17	200	8			
S25R-SVUCR/L16		•	•	33	25	20	200	8	VC□□1604□□	CS35	T-15
S32S-SVUCR/L16		•	•	44	32	22	250	10			
S32T-SVUCR/L16		•	•	44	32	22	300	10			
S40T-SVUCR/L16		•	•	54	40	27	300	8			

SVQC

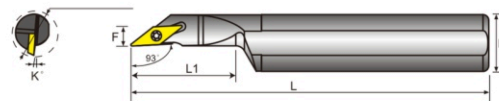
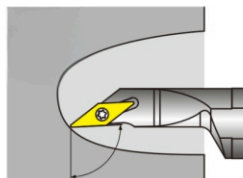
Right-Hand Show



MODEL No	Shank	Stock		Min. Bore Dia.	Dimension(mm)				Insert	Parts	
		R	L	ØB	D	F	L	K°		Screw	Wrench
S16Q-SVQCR/L11	S	•	•	20	16	11	180	10	VC□□1103□□	CS25	T-8
S20R-SVQCR/L11		•	•	25	20	13	200	7			
S25R-SVQCR/L11		•	•	32	25	17	200	5			
S25R-SVQCR/L16		•	•	32	25	17	200	5	VC□□1604□□	CS35	T-15
S32S-SVQCR/L16		•	•	40	32	14	250	5			
S40T-SVQCR/L16		•	•	54	32	27	300	7			

FSVJC

Right-Hand Show

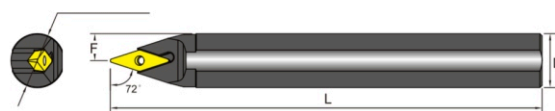
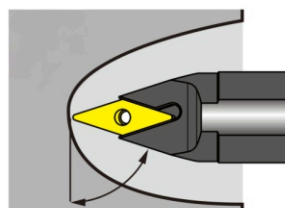


Parts

MODEL No	Shank	Stock		Min. Bore Dia.	Dimension(mm)				Insert	Parts	
		R	L	ØB	D	F	L	K°		Screw	Wrench
S16K-FSVJCR/L11	S	•	•	20	16	2	125	5	VC□□1103□□	CS25	T-8
S20M-FSVJCR/L11		•	•	25	20	2	150	5			
S25M-FSVJCR/L11		•	•	30	25	3.5	150	5			

SVVCN

Right-Hand Show

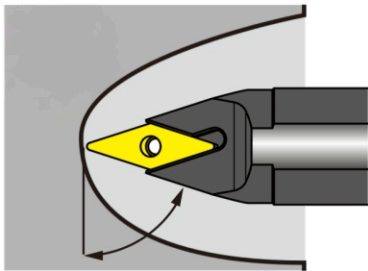


Parts

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

SVVBN

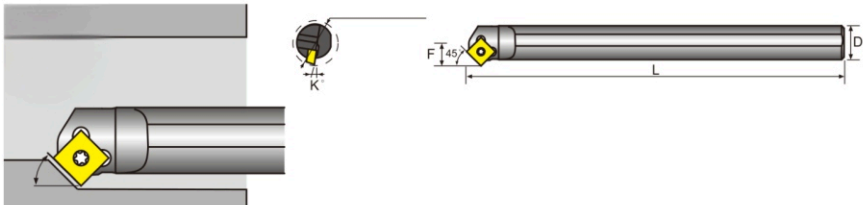
Right-Hand Show



MODEL No	Shank Stock		Min. Bore Dia.		Dimension(mm)			Insert	Parts		
			ØB	D	F	L	K°		Screw	Wrench	
S32S-SVVBN16	S	•	33	32	16	250	10	VB□□1604□□	CS35	T-15	
S40T-SVVBN16		•	42	40	20	300	0				

SSSC

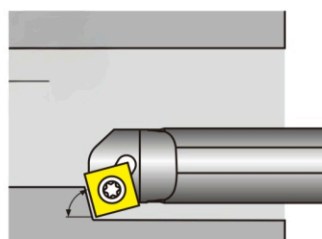
Right-Hand Show



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

SSKC

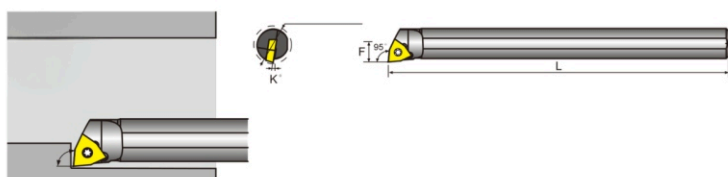
Right-Hand Show



MODEL No	Shank	Stock		Min. Bore Dia.	Dimension(mm)				Insert	Parts	
		R	L	ØB	D	F	L	K°		Screw	Wrench
S12M-SSKCR/L09	S	•	•	16	12	8.5	150	12	SC□□09T3□□	CS35	T-15
S16N-SSKCR/L09		•	•	20	16	10.5	160	10			
S16Q-SSKCR/L09		•	•	20	16	10.5	180	10			
S20R-SSKCR/L09		•	•	24	20	12.5	200	8			
S25R-SSKCR/L09		•	•	31	25	17	200	6			

SWLC

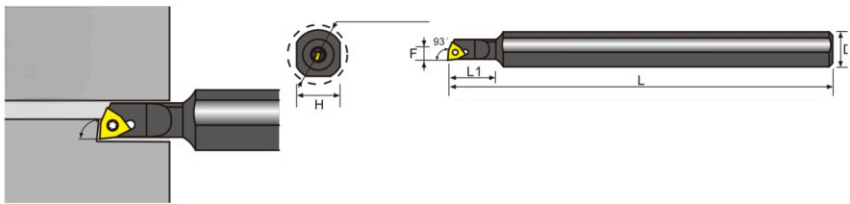
Right-Hand Show



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

SWUB

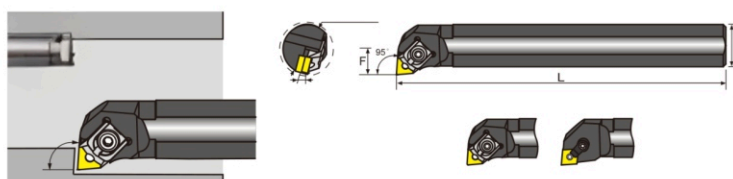
Right-Hand Show



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

ECLN

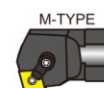
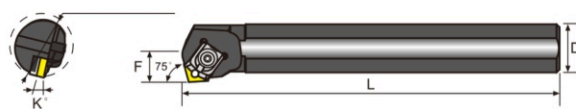
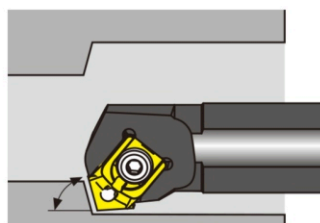
Right-Hand Show



MODEL No	Shank	Min. StockBore Dia. Dimension(mm)							Insert 	Parts					
		R	L	ØB	D	F	L	K°		Shim	Screw Clamp of shim	Screw	Clasp Wrench		
															
S32S-ECLNR/L12	S	●	●	40	32	22	250	14		SMC- 432	LW-4B				
S32U-ECLNR/L12		●	●	40	32	22	350	14							
S40T-ECLNR/L12		●	●	50	40	27	300	12							
S40W-ECLNR/L12		●	●	50	40	27	450	12							
S50U-ECLNR/L12		●	●	63	50	35	350	12							
S50Y-ECLNR/L12		●	●	63	50	35	500	12							
S60V-ECLNR/L12		●	●	72	60	36	400	10			LW-4				
S60X-ECLNR/L12		●	●	72	60	36	600	10							
S63Y-ECLNR/L12		●	●	76	63	38	500	10							

ECKN

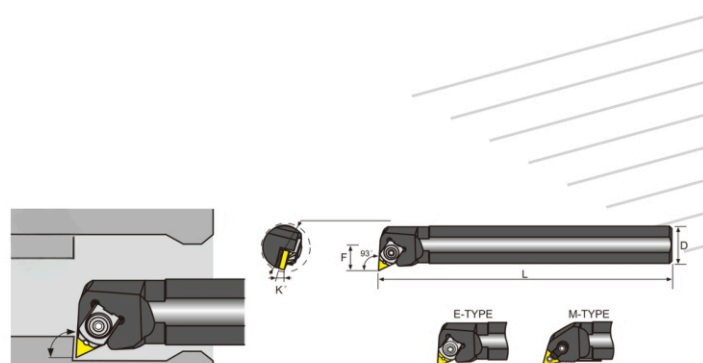
Right-Hand Show



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

ETUN

Right-Hand Show

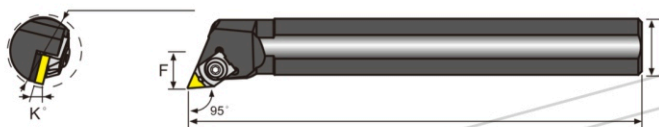
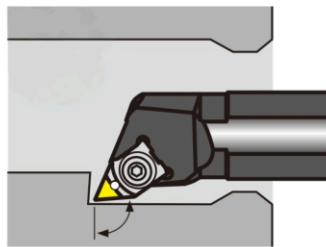


Parts

MODEL No	Shank	Min. Stock Bore Dia.		Dimension(mm)					Insert	Parts					
		R	L	ØB	D	F	L	K°		Shim	Screw Clamp of shim	Screw	Clasp	Wrench	
S25R-ETUNR/L16	S	•	•	32	25	17	200	12	TN□□ 1604□□	-	LT-2	TN16-2	CS60E	C-5	LW025 LW030
S25T-ETUNR/L16		•	•	32	25	17	300	12							
S32S-ETUNR/L16		•	•	40	32	22	250	10							
S32U-ETUNR/L16		•	•	40	32	22	350	10							
S40T-ETUNR/L16		•	•	50	40	27	300	10							
S40W-ETUNR/L16		•	•	50	40	27	450	10							
S50U-ETUNR/L16		•	•	63	50	35	350	8							
S50Y-ETUNR/L16		•	•	63	50	35	500	8							
S60V-ETUNR/L16		•	•	72	60	36	400	10							
S60X-ETUNR/L16		•	•	72	60	36	600	10							
S63Y-ETUNR/L16		•	•	76	63	38	500	10							
										SMT-322	LT-3	TN16-3	CS80	C-6	LW025 LW040

ETLN

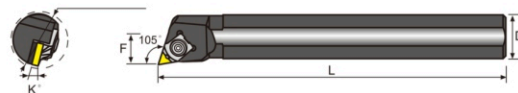
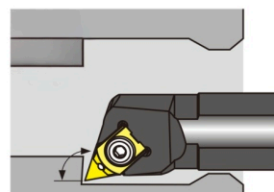
Right-Hand Show



MODEL No	Shank	StockBore Dia.		Min.	Dimension(mm)				Insert	Parts					
		R	L	ØB	D	F	L	K°		Shim	Screw of shim	Clamp	Screw	Clasp	Wrench
S20R-ETLNR/L16	S	•	•	25	20	13	200	17	TN□□ 1604□□	—	LT-2	TN16-2	CS60E	C-5	LW025 LW030
S25R-ETLMR/L16		•	•	32	25	17	200	12							

ETQN

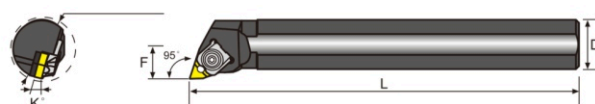
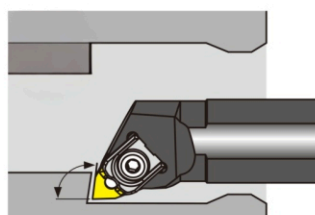
Right-Hand Show



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

EVLN

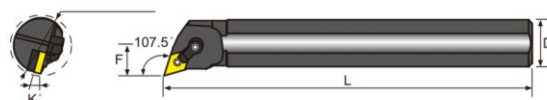
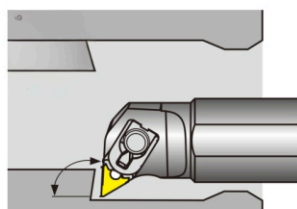
Right-Hand Show



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

EDQN

Right-Hand Show

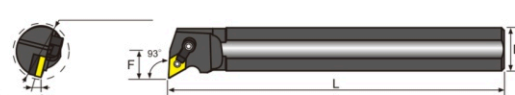
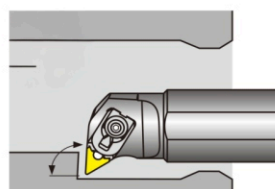


Parts

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

EDUN

Right-Hand Show

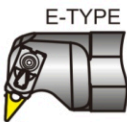
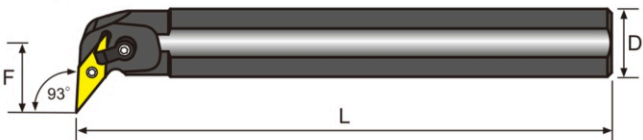
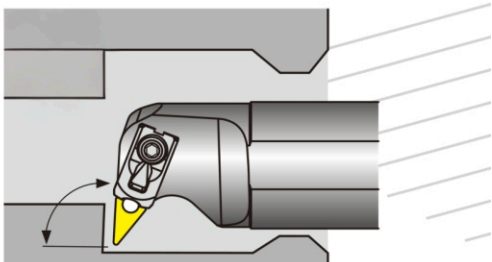
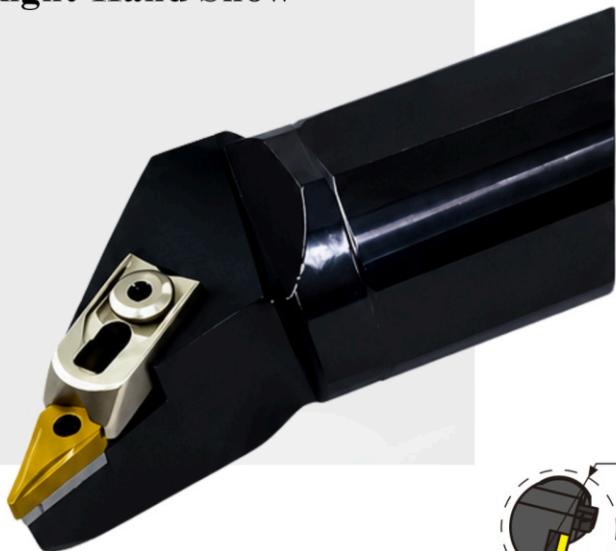


Parts

		Min. StockBore Dia. Dimension(mm)							Insert	Parts						
MODEL No	Shank	R	L	ØB	D	F	L	K°		 Shim	 Screw of shim	 Clamp	 Screw	 Clasp	 Wrench	
S40T-EDUNR/L15	S	●	●	50	40	27	300	10	DN□□ 1504□□	SMD-463	LD-1	DN15	CS80	C-6	LW030 LW040	
S50U-EDUNR/L15		●	●	63	50	35	350	10								
S40T-EDUNR/L15A		●	●	50	40	27	300	10	DN□□ 1506□□	SMD-466	LW-4					
S50U-EDUNR/L15A		●	●	63	50	35	350	10								

EVUN

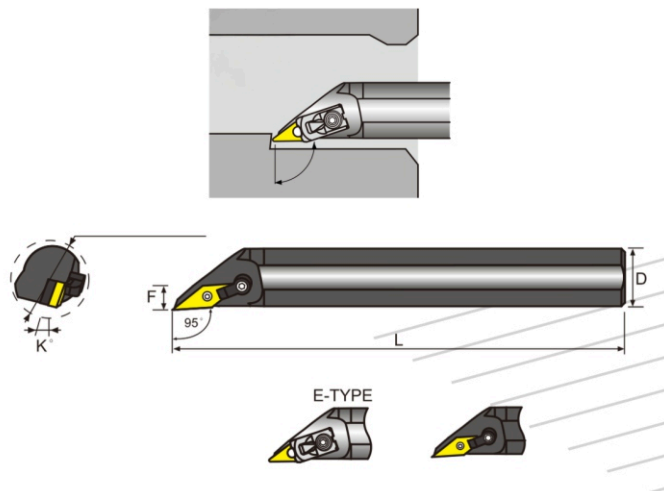
Right-Hand Show



MODEL No	Shank	Min. StockBore Dia. Dimension(mm)							Insert	Parts						
		R	L	ØB	D	F	L	K°		Shim	Screw of shim	Clamp	Screw	Clasp	Wrench	
S40T-EVUNR/L16	S	•	•	50	40	26	300	15	VN□□ 1604□□	SMV-322	LT-3	VN16	CS60E	C-5	LW025 LW030	
S50U-EVUNR/L16		•	•	63	50	32	350	12								

EVLN

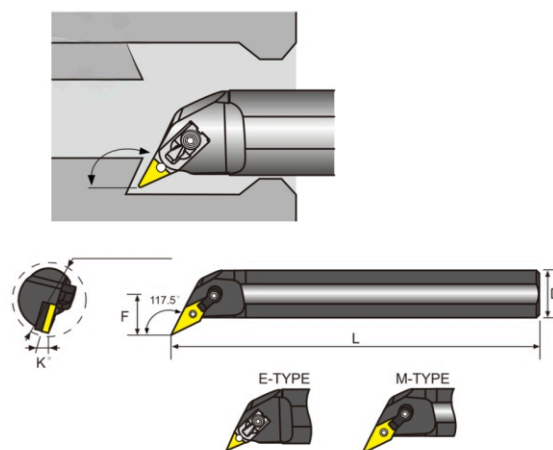
Right-Hand Show



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

EVQN

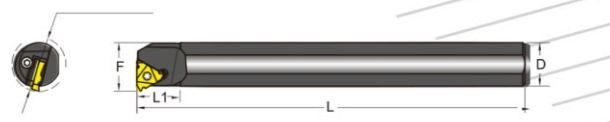
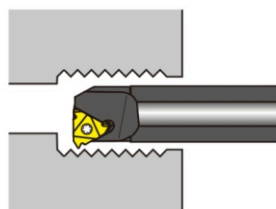
Right-Hand Show



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

SINR/L

Right-Hand Show



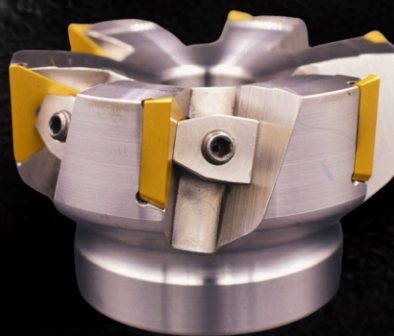
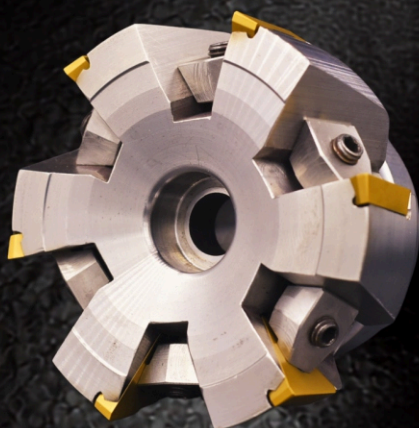
MODEL No	Shank	Stock		Min. Bore Dia.	Dimension(mm)				Insert	Parts					
		R	L	ØB	D	F	L	L1		Shim	Shim	Screw	Screw	Wrench	Wrench
SNR0005H-06	S	•		6.4	12	3.2	100	10	06IR			CS20		T-6	LW025
SNR0008K-08		•		9	16	4.2	125	15	08IR			CS22		T-7	
SINR/L-1012-11		•	•	10	12	5.8	150	25	11IR/ER	—	—	CS30	—	T-10	—
SINR/L-1210-11		•	•	12	10	6	150	25							
SINR/L-1216-11		•	•	12	16	6	150	25							
SINR/L-1516-11		•	•	15	16	7.5	150	30							
SINR/L-1616-16		•	•	16	16	8	150	20	16IR/ER	AI16	AE16	CS35 115	CS6- 0306	T-15	LW025
SINR/L-2016-16		•	•	20	16	10	150	20							
SINR/L-2420S-16		•	•	24	20	22.3	180	40							
SINR/L-3025S-16		•	•	30	25	27.6	200	40							
SINR/L-3732S-16		•	•	37	32	34.5	250	45	22IR/ER	AI22	AE22	CS45 115	CS6- 0406		LW030
SINR/L-3025S-22		•	•	30	25	28.7	200	40							
SINR/L-3732S-22		•	•	37	32	35	250	45							
SINR/L-0012-11-125		•	•	15	12	8	125	—	11IR/ER			CS30		T-10	
SINR/L-0016-16-150		•	•	19	16	10.9	150	—	16IR/ER			CS35		T-15	



GLOBAL TOOLING SOLUTIONS

— MANUFACTURER OF CUTTING TOOLS —

Milling Tools



HIGH
PRECISION



WEAR
RESISTANT



EXCELLENT
FINISH

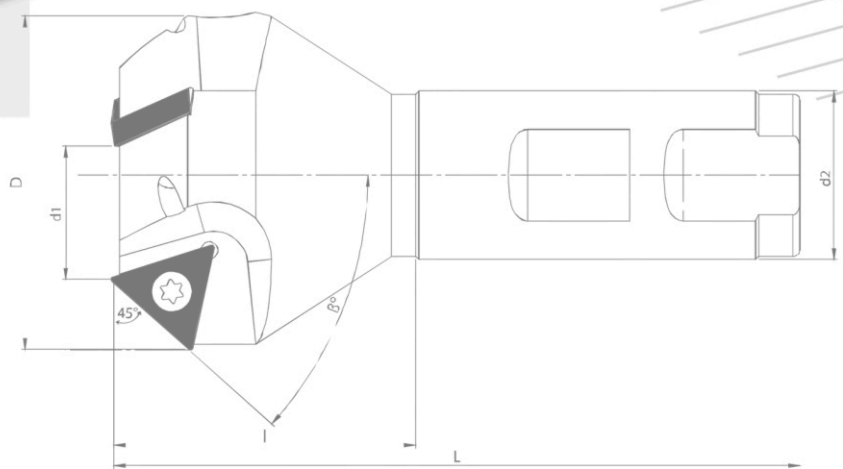
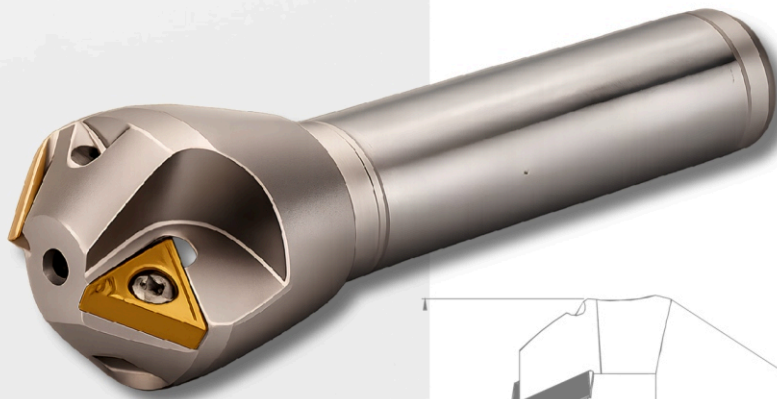


LONG
TOOL LIFE



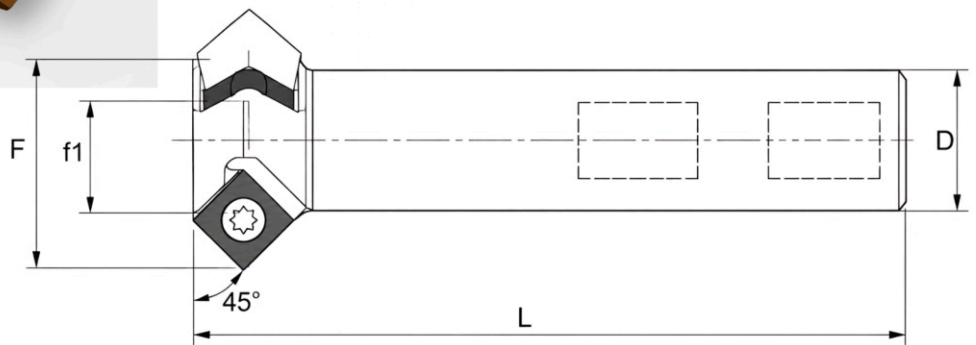
SECURE
CLAMPING

SPTC



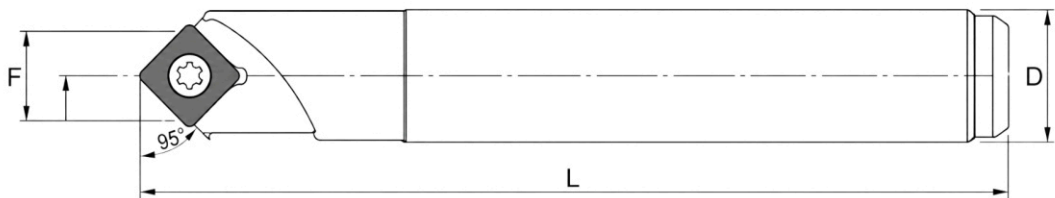
MODEL NUMBER		DIMENSIONS (mm)				INSERT		PARTS	
SPTC	45°	D	d1	d2	L	INSERT QTY		SCREW	ALLEN KEY
SPTC11-4.15x1-16-100		15	4	16	100	1	TC.. 1102	M2,5x5	T08
SPTC16-4-23x1-16-100		23	4	16	100	1	TC.. 16T3	M3,5x9	-
SPTC16-10-31x2-16-100		31	10	16	100	2			-
SPTC16-14-32x2-20-100		35	14	20	100	2			T15
SPTC16-22-43x3-25-100		43	22	25	100	3			-
SPTC16-32-53x3-25-100		53	32	25	100	3			-

SPSC



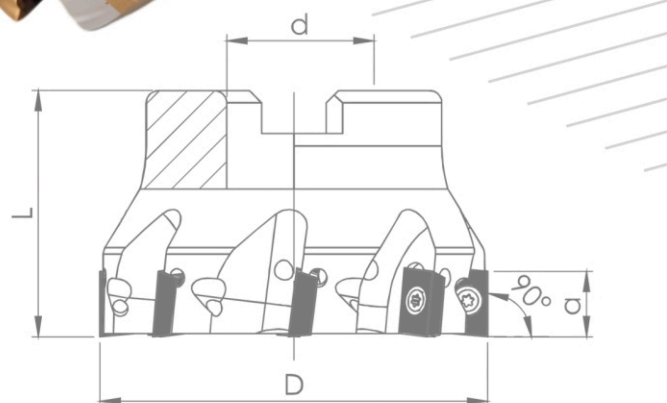
MODEL NUMBER		DIMENSIONS (mm)				INSERT		PARTS		
SPSC	45°	D	d1	d2	L	INSERT QTY		SCREW	ALLEN KEY	
										
		SPSC09-4-13x1 16 120	13	4	16	120	1	-	-	-
		SPSC09-19-31x3 20 120	31	19	20	120	3	SC.. 09 T3	M3,5x11	T15
		SPSC09-20-41x3 25 120	41	20	25	120	3	-	-	-
		SPSC12-35-50x4 25 120	50	35	25	120	4	SC.. 1204	10 M4,5	T20

SPSP



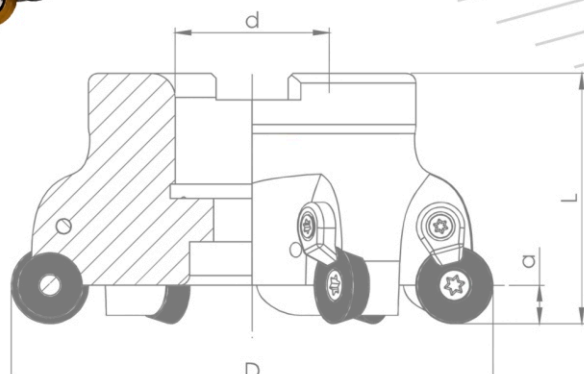
MODEL NUMBER		DIMENSIONS (mm)				INSERT		_SPARE PARTS	
SPSP	45°	D	d1	d2	L	INSERT QTY		SCREW	ALLEN KEY
									
		SPSP09-4-16x1 16 110	16	4	16	110	1	SP.. 09 03	M3,5x11

GRF90 AP16



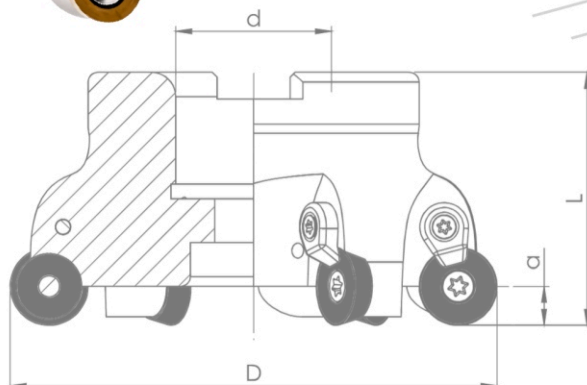
MODEL NUMBER	DIMENSIONS (mm)				INSERT		PARTS	
	D	d	L	A	INSERT QTY	INSERT	SCREW	ALLEN KEY
GRF90 AP16								
GRF90-AP16-D040-16-204	40	16	40	13	4	APKT 1604	06 M3.5x9	T15
GRF90-AP16-D050-22-205	50	22	40	13	5			
GRF90-AP16-D063-22-206	63	22	40	13	6			
GRF90-AP16-D080-27-207	80	27	50	13	7			
GRF90-AP16-D100-32-208	100	32	50	13	8			
GRF90-AP16-D125-40-209	125	40	60	13	9			
GRF90-AP16-D160-40-210	160	40	60	13	10			

GRF RD10



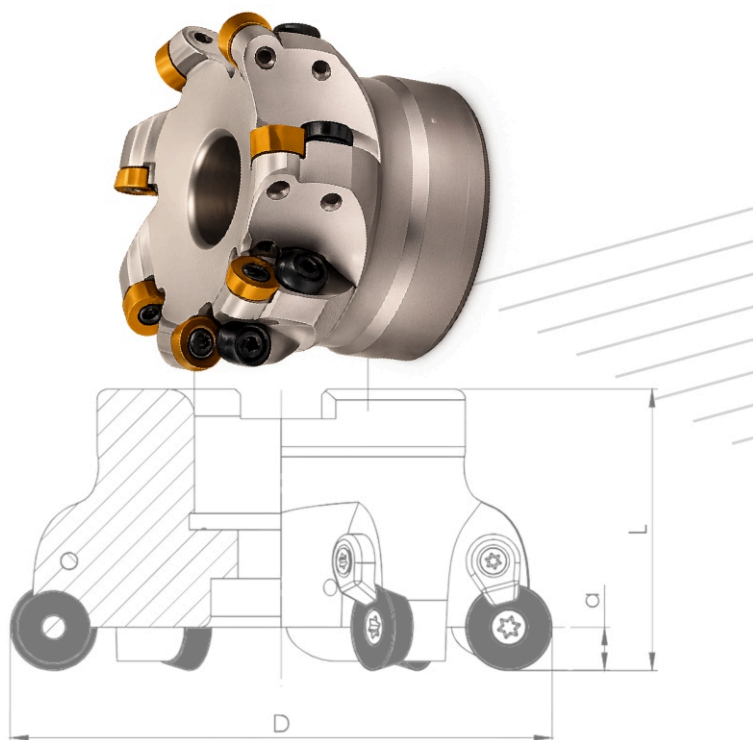
MODEL NUMBER	DIMENSIONS (mm)				INSERT		PARTS			
GRF RD10	D	d	L	A	INSERT QTY		SCREW/	CLAMPING SCREW	ALLEN KEY	
										
	GRF-RD1003-D040-d16-Z04	40	16	40	5	4	RD.. 10 03	M4	M3.5x9	T15
	GRF-RD1003-D050-d22-Z05	50	22	40	5	5				
	GRF-RD1003-D063-d22-Z06	63	22	40	5	6				
	GRF-RD1003-D080-d27-Z07	80	27	50	5	7				
	GRF-RD1003-D100-d32-Z08	100	32	50	5	8				

GRF RD12T03



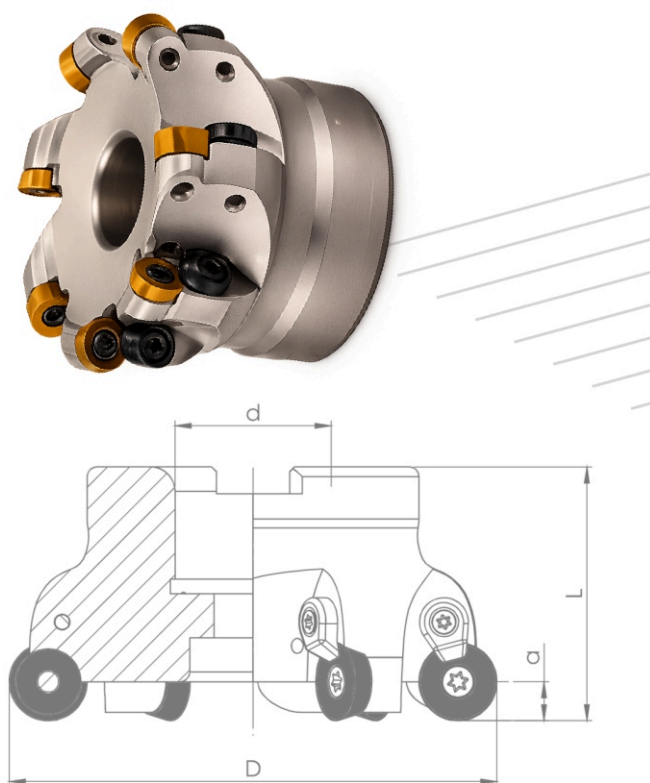
MODEL NUMBER	DIMENSIONS (mm)				INSERT		PARTS		
	D	d	L	A	INSERT QTY	INSERT	SCREW	CLAMP SCREW	ALLEN KEY
GRF RD12T03									
GRF-RD12T03-D040-d16-Z04	40	16	40	6	4	RD.. 12 T03	M4x11	M3.5x9	T15
GRF-RD12T03-D050-d22-Z05	50	22	40	6	5				
GRF-RD12T03-D063-d22-Z06	63	22	40	6	6				
GRF-RD12T03-D080-d27-Z07	80	27	50	6	7				
GRF-RD12T03-D100-d32-Z08	100	32	50	6	8				

GRF RD 1204



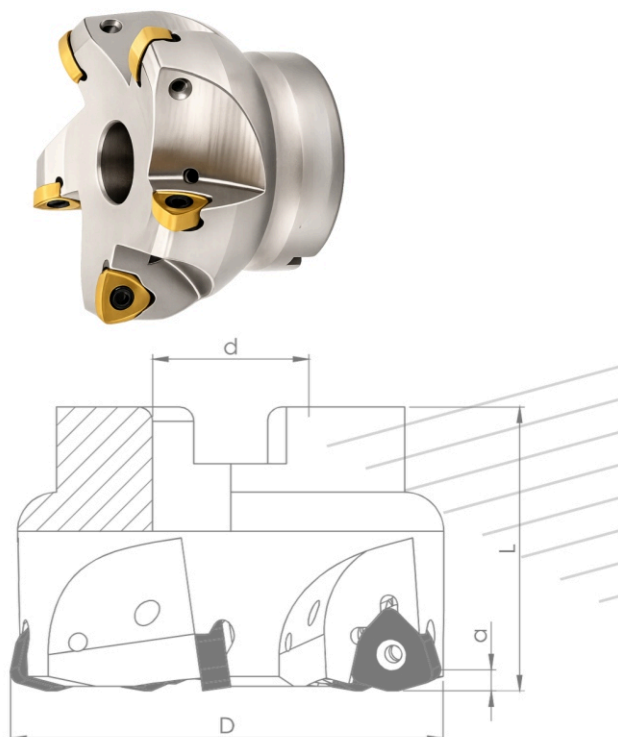
MODEL NUMBER	DIMENSIONS (mm)				INSERT		PARTS		
	D	d	L	A	INSERT QTY	TOP 2nd	SCREW	CLAMP SCREW	ALLEN KEY
GRF RD1204									
GRF-RD1204-C040-d16-Z04	40	16	40	6	4	RD.. 1204	M4,4x11	M3,5x9	T15
GRF-RD1204-C050-d22-Z05	50	22	40	6	5				
GRF-RD1204-C063-d22-Z06	63	22	40	6	6				
GRF-RD1204-C080-d27-Z07	80	27	50	6	7				
GRF-RD1204-C100-d32-Z08	100	32	50	6	8				

GRF RD1604



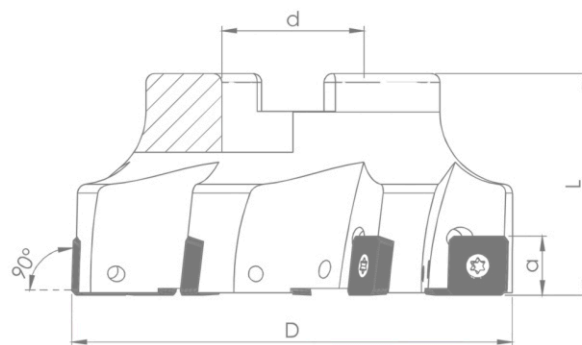
MODEL NUMBER	DIMENSIONS (mm)				INSERT		SPARE PARTS			
	D	d	L	A	INSERT QTY		WEDGE CLAMP	SCREW	CLAMPING SCREW	ALLEN KEY
GRF RD1604										
GRF-RD1604-D063-d22-Z04	63	22	45	8	4	RD. 16 04	M6x16	M5x12	T20	
GRF-RD1604-D080-d27-Z05	80	27	50	8	5					
GRF-RD1604-D100-d32-Z06	100	32	50	8	6					
GRF-RD1604-D125-d40-Z07	125	40	65	8	7					

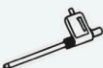
GRFWN



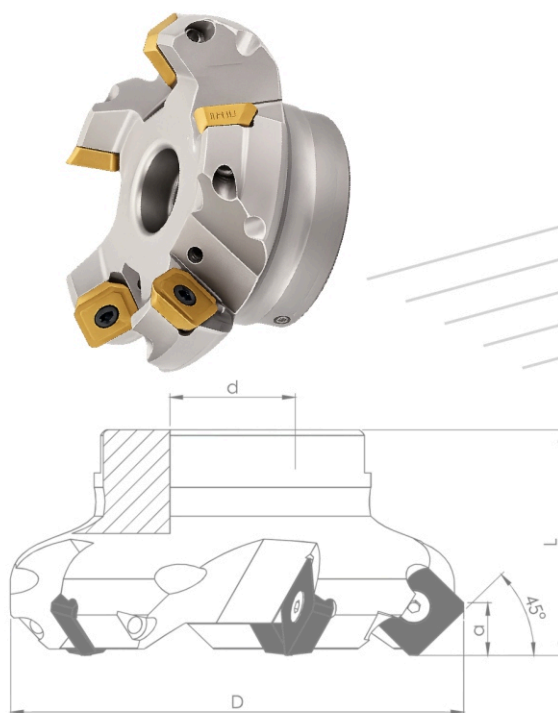
MODEL NUMBER	DIMENSIONS (mm)				INSERT		SPARE PARTS		
	D	d	L	A	INSERT QTY	TOP 2nd	SCREW	CLAMP SCREW	ALLEN KEY
GRFWN									
GRFWN-09-D050-d22-Z04	50	22	45	5	4	WNMX 09T3	-	M3x8	T10
GRFWN-09-D052-d22-Z05	52	22	40	5	5				
GRFWN-09-D063-d22-Z05	63	22	45	5	5				
GRFWN-09-D066-d22-Z05	66	22	40	5	5				
GRFWN-09-D080-d27-Z06	80	27	52	5	6				
GRFWN-09-D100-d32-Z07	100	32	60	5	7				
GRFWN-13-D050-d22-Z04	50	22	45	6	4	WNMX 1305		M4x11	T15
GRFWN-13-D063-d22-Z05	63	22	45	6	5				
GRFWN-13-D080-d27-Z06	80	27	52	6	6				
GRFWN-13-D100-d32-Z07	100	32	60	6	7				

GRF90 SE1203



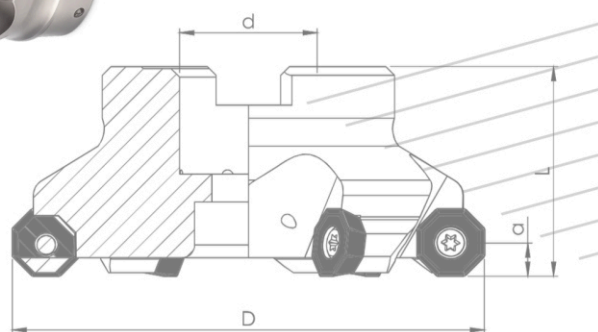
MODEL NUMBER	DIMENSIONS (mm)				INSERT		SPARE PARTS	
	D	d	L	A	INSERT QTY	INSERT QTY	CLAMPING SCREW	ALLEN KEY
GRF90 SE1203	D	d	L	A				
GRF90-SE1203-D050-d22-Z04	50	22	40	8	4	SEET 12 03	M3 5x9	T15
GRF90-SE1203-D063-d22-Z05	63	22	40	8	5			
GRF90-SE1203-D080-d27-Z06	80	27	50	8	6			
GRF90-SE1203-D100-d32-Z07	100	32	65	8	7			

GRF45 SE12T3



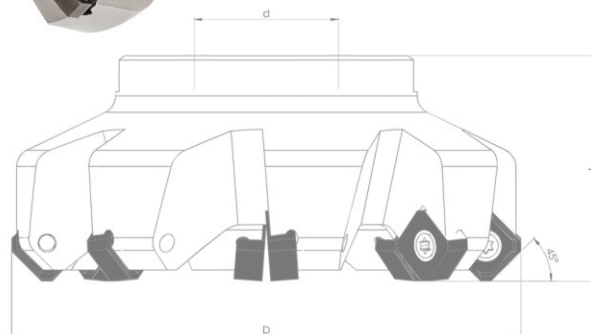
MODEL NUMBER	DIMENSIONS (mm)				INSERT		SPARE PARTS	
	D	d	L	A	INSERT QTY	TOP 2nd	CLAMPING SCREW	ALLEN KEY
GRF45 SE12T3								
GRF45-SE12T3-D050-d22-Z04	50	22	40	6	4	SEET 1213	M3,5x9	T15
GRF45-SE12T3-D063-d22-Z05	63	22	40	6	5			
GRF45-SE12T3-D080-d27-Z06	80	27	50	6	6			
GRF45-SE12T3-D100-d32-Z07	100	32	50	6	7			
GRF45-SE12T3-D125-d40-Z08	125	40	62	6	8			
GRF45-SE12T3-D160-d40-Z10	160	40	62	6	10			

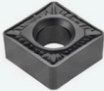
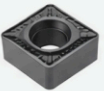
GRF45 OD06



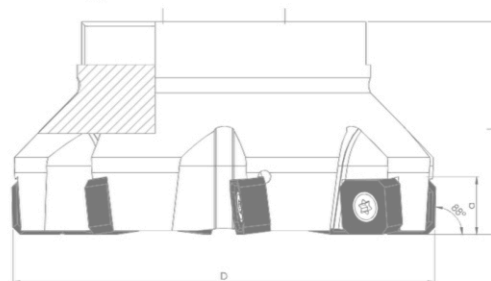
MODEL NUMBER	DIMENSIONS (mm)				INSERT		SPARE PARTS	
	D	d	L	A	INSERT QTY	INSERT QTY	CLAMPING SCREW	ALLEN KEY
GRF45 OD06								
GRF45-OD06-D050-d22-Z04	50	22	40	4	4	OD.. 06 01	M6x12	T20
GRF45-OD06-D063-d22-Z05	63	22	40	4	5			
GRF45-OD06-D080-d27-Z06	80	27	50	4	6			
GRF45-OD06-D100-d32-Z07	100	32	65	4	7			
GRF45-OD06-D125-d40-Z08	125	40	65	4	8			
GRF45-OD06-D160-d40-Z10	160	40	65	4	10			
GRF45-OD06-D200-d60-Z12	200	60	80	4	12			

GRF45 SN 1205



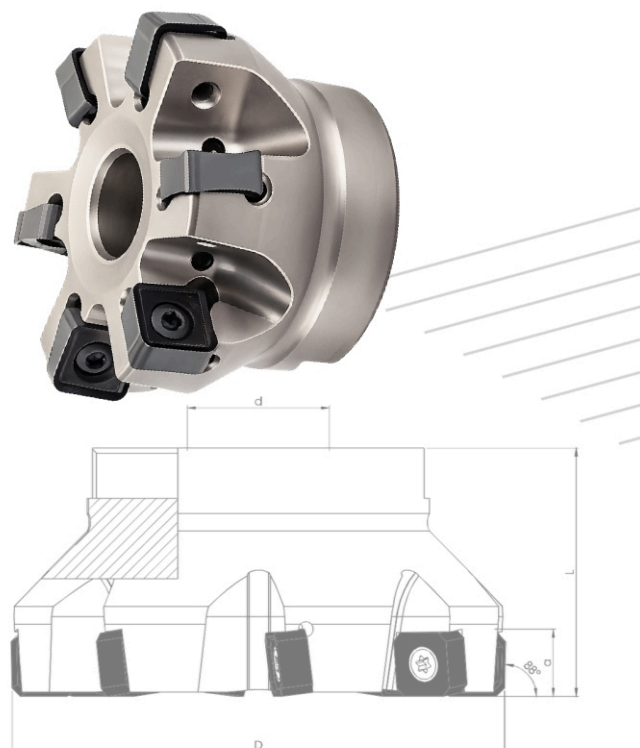
MODEL NUMBER	DIMENSIONS (mm)				INSERT		SPARE PARTS	
	D	d	L	A	INSERT QTY	TOP 2nd	CLAMPING SCREW	ALLEN KEY
GRF45 SN1205								
GRF45-SN1205-D040-16-Z04	40	16	40	6	5	SNMX 1205	M4x11	T15
GRF45-SN1205-D050-22-Z05	50	22	40	6	6			
GRF45-SN1205-D063-22-Z05	63	22	50	6	7			
GRF45-SN1205-D080-27-Z06	80	27	50	6	9			
GRF45-SN1205-D100-32-Z07	100	32	60	6	10			
GRF45-SN1205-D125-40-Z07	125	40	60	6	12			

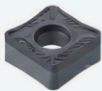
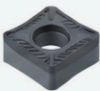
GRF88 SN 1205



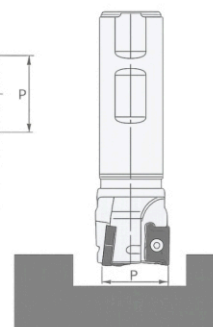
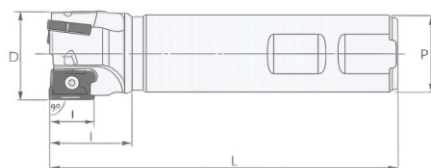
MODEL NUMBER	DIMENSIONS (mm)				INSERT		SPARE PARTS	
	D	d	L	A	INSERT SFT	INSERT QTY	CLAMPING SCREW	ALLEN KEY
GRFB8 SN1205								
GRFB8-SN1205-D050-d22-Z05	50	22	40	6	5	SNMX 1205	M4x11	T15
GRFB8-SN1205-D063-d22-Z06	63	22	40	6	6			
GRFB8-SN1205-D080-d27-Z07	80	27	50	6	7			
GRFB8-SN1205-D080-d27-Z09	80	27	50	6	9			
GRFB8-SN1205-D100-d32-Z08	100	32	50	6	8			
GRFB8-SN1205-D125-d40-Z10	125	40	62	6	10			

GRF88 SN 1206



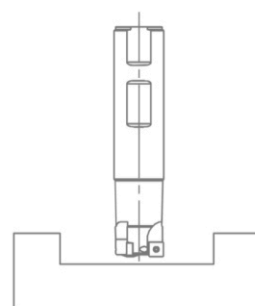
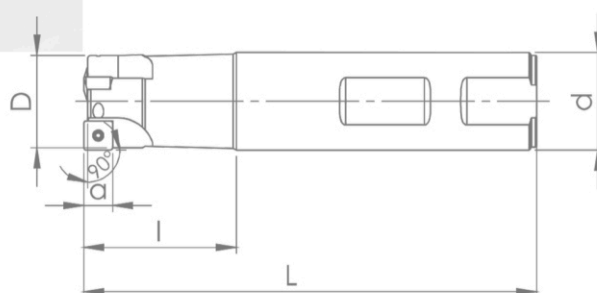
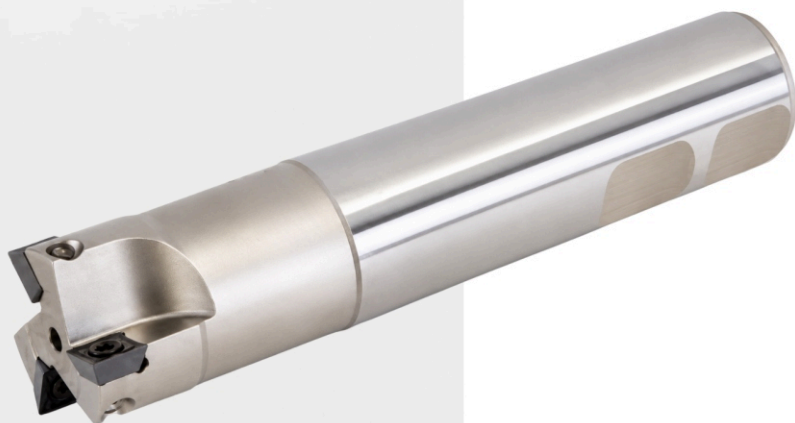
MODEL NUMBER	DIMENSIONS (mm)				INSERT		SPARE PARTS	
	D	d	L	A	INSERT QTY	TOP 2 nd	CLAMPING SCREW	ALLEN KEY
GRF88 SN 1206								
GRF88-SN1206-D050-d22-Z05	50	22	40	6	5	SNMX 1206	M4x11	T15
GRF88-SN1206-D063-d22-Z06	63	22	40	6	6			
GRF88-SN1206-D080-d27-Z07	80	27	50	6	7			
GRF88-SN1206-D100-d32-Z08	100	32	50	6	8			
GRF88-SN1206-D125-d40-Z10	125	40	62	6	10			
GRF88-SN1206-D160-d40-Z12	160	40	62	6	12			

SPAP 16



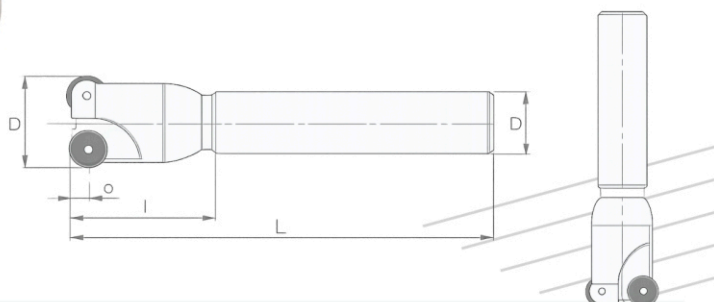
MODEL NUMBER		DIMENSIONS (mm)			INSERT	SPARE PARTS		
		D	d	L	INSERT QTY	SCREW	ALLEN KEY	
SPAP 16	90°							
SPAP16 - S02 D25 d25 L100		25	25	100	2	APKT 1604	M4x11	T15
SPAP16 - S02 D30 d25 L100		30	25	100	2			
SPAP16 - S03 D32 d25 L100		32	25	100	3			
SPAP16 - S03 D35 d25 L100		35	25	100	3			
SPAP16 - S03 D40 d32 L100		40	32	100	3			
SPAP16 - S04 D45 d32 L100		45	32	100	4			
SPAP16 - S04 D50 d32 L100		50	32	100	4			
SPAP16 - S02 D25 d25 L120		25	25	120	2			
SPAP16 - S02 D30 d25 L120		30	25	120	2			
SPAP16 - S03 D32 d25 L120		32	25	120	3			
SPAP16 - S03 D35 d25 L120		35	25	120	3			
SPAP16 - S03 D40 d32 L120		40	32	120	3			
SPAP16 - S04 D45 d32 L120		45	32	120	4			
SPAP16 - S05 D50 d32 L120		50	32	120	5			
SPAP16 - S02 D25 d25 L150		25	25	150	2			
SPAP16 - S02 D30 d25 L150		30	25	150	2			
SPAP16 - S03 D32 d25 L150		32	25	150	3			
SPAP16 - S03 D35 d25 L150		35	25	150	3			
SPAP16 - S03 D40 d32 L150		40	32	150	3			
SPAP16 - S04 D45 d32 L150		45	32	150	4			
SPAP16 - S05 D50 d32 L150		50	32	150	5			
SPAP16 - S02 D25 d25 L200		25	25	200	2			
SPAP16 - S02 D30 d25 L200		30	25	200	2			
SPAP16 - S03 D32 d25 L200		32	25	200	3			
SPAP16 - S03 D35 d25 L200		35	25	200	3			
SPAP16 - S03 D40 d32 L200		40	32	200	3			
SPAP16 - S04 D45 d32 L200		45	32	200	4			
SPAP16 - S05 D50 d32 L200		50	32	200	5			

SPSD 09



MODEL NUMBER	DIMENSIONS (mm)			INSERT		SPARE PARTS	
	D	d	L	INSERT QTY RIGHT / LEFT	RIGHT QTY	SCREW	ALLEN KEY
SPSD 09							
SPSD 09 - S02 D20 d20 L150	20	20	150	2	SD..09T3	M3,5x9	T15
SPSD 09 - S02 D25 d25 L150	25	25	150	2			
SPSD 09 - S02 D28 d25 L150	28	25	150	2			
SPSD 09 - S03 D32 d25 L150	32	25	150	3			

SPRD



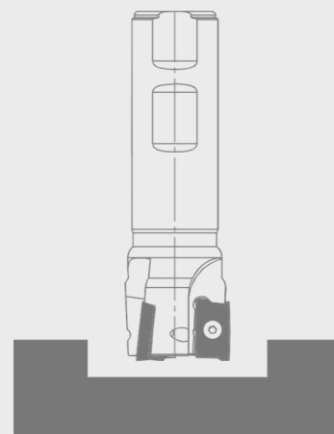
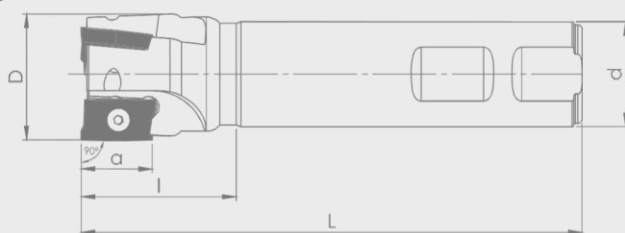
MODEL NUMBER	DIMENSIONS (mm)			INSERT	SPARE PARTS	
SPRD	D	d	L	INSERT QTY	SCREW	ALLEN KEY
						
SPRD1204 - S02 D25 d25 L120	25	25	120	2	RD.. 1204	M4x11
SPRD1204 - S02 D28 d25 L120	28	25	120	2		
SPRD1204 - S02 D30 d25 L120	30	25	120	2		
SPRD1204 - S03 D32 d25 L120	32	25	120	3		
SPRD1204 - S03 D35 d32 L120	35	32	120	3		
SPRD1204 - S03 D40 d32 L120	40	32	120	3		
SPRD1204 - S02 D25 d25 L150	25	25	150	2		
SPRD1204 - S02 D28 d25 L150	28	25	150	2		
SPRD1204 - S02 D30 d25 L150	30	25	150	2		
SPRD1204 - S03 D32 d25 L150	32	25	150	3		
SPRD1204 - S03 D35 d25 L150	35	25	150	3		
SPRD1204 - S03 D40 d32 L150	40	32	150	3		
SPRD1204 - S02 D25 d25 L200	25	25	200	2		
SPRD1204 - S02 D28 d25 L200	28	25	200	2		
SPRD1204 - S02 D30 d25 L200	30	25	200	2		
SPRD1204 - S03 D32 d25 L200	32	25	200	3		
SPRD1204 - S03 D35 d25 L200	35	25	200	3		
SPRD1204 - S03 D40 d32 L200	40	32	200	3		
						T15

SPWN



MODEL NUMBER	DIMENSIONS (mm)			INSERT		SPARE PARTS	
SPWN	D	d	L	INSERT QTY	RIGHT QTY	SCREW	ALLEN KEY
							
SPWN06 - S02 D16 d16 L150H	16	16	150	2	VNMX 06	M2,5x7	T08
SPWN06 - S02 D20 d20 L150H	20	20	150	3			
SPWN09 - S02 D25 d25 L150H	25	25	150	2	VNMX 09	M3x8	T10
SPWN09 - S02 D26 d25 L150H	26	25	150	2			

SPLN



MODEL NUMBER

DIMENSIONS (mm)

INSERT

SPARE PARTS

SPLN

D

d

L

INSERT QTY



SCREW



ALLEN KEY



MODEL NUMBER	D	d	L	INSERT QTY	INSERT	SCREW	ALLEN KEY
SPLN16 - S22 D16 d16 L120	16	16	120	2	LNMX 16 06	M3x9	T10
SPLN16 - S22 D20 d20 L120	20	20	120	2			
SPLN16 - S22 D21 d20 L150	21	20	150	2			
SPLN16 - S24 D25 d25 L150	25	25	150	3			
SPLN16 - S28 D28 d28 L150	28	28	150	3			
SPLN25 - S22 D32 d32 L200	32	32	200	2	LNMX 15 10	M4x11	T15
SPLN25 - S22 D35 d32 L200	35	32	200	2			



GLOBAL TOOLING SOLUTIONS

— MANUFACTURER OF CUTTING TOOLS —

Grooving Tools



HIGH
PRECISION



WEAR
RESISTANT



EXCELLENT
FINISH

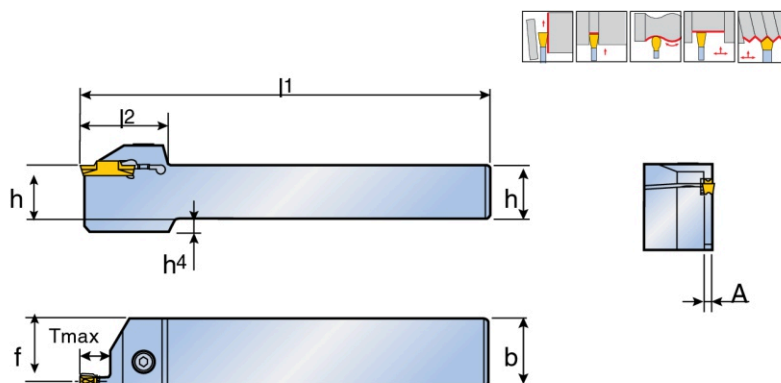


LONG
TOOL LIFE



SECURE
CLAMPING

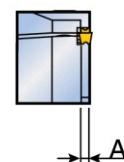
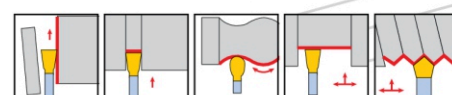
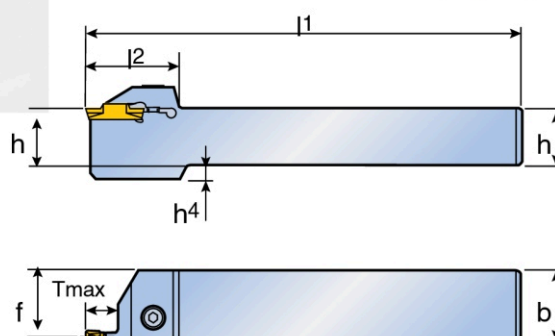
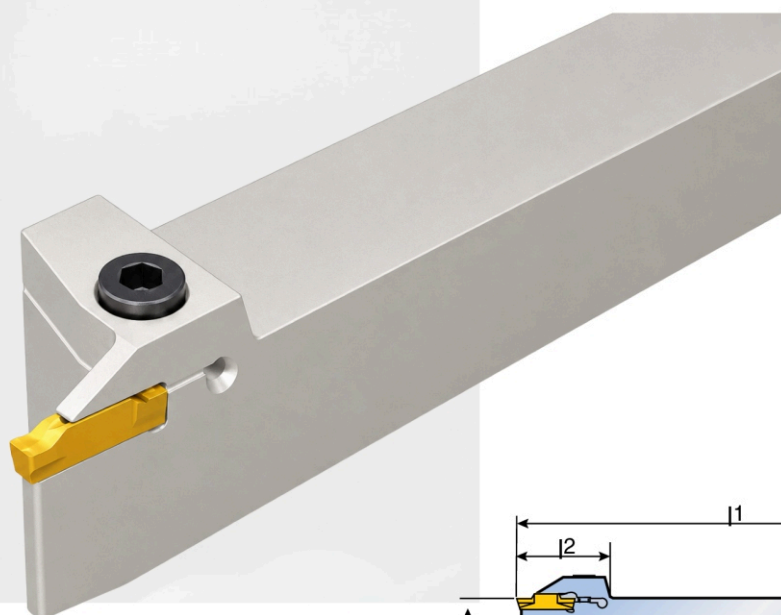
TTER/L



Right hand shown

Designation		Insert seat size	Dimension (mm)								Insert
			h	b	l1	f	l2	a	h4	Tmax	
TTER/L	1616-2T08	2	16	16	110	15.1	33	1.8	4	8.0	TDC / J / T / aTDXU / x TSC / J
	2020-2T08	2	20	20	125	19.1	33	1.8	-	8.0	
	2525-2T08	2	25	25	150	24.1	33	1.8	-	8.0	
	1616-2	2	16	16	110	15.1	32	1.8	4	12.0	
	2020-2	2	20	20	125	19.1	32	1.8	-	12.0	
	2525-2	2	25	25	150	24.1	32	1.8	-	12.0	
	1616-2T17	2	16	16	110	15.1	37	1.8	4	17.0	
	2020-2T17	2	20	20	125	19.1	37	1.8	-	17.0	
	2525-2T17	2	25	25	150	24.1	37	1.8	-	17.0	
TTER/L	1616-3T09	3	16	16	110	14.8	32	2.4	4	9.0	
	2020-3T09	3	20	20	125	18.8	32	2.4	-	9.0	
	2525-3T09	3	25	25	150	23.8	32	2.4	-	9.0	
	1616-3	3	16	16	110	14.8	32	2.4	4	12.0	
	2020-3	3	20	20	125	18.8	32	2.4	-	12.0	
	2525-3	3	25	25	150	23.8	32	2.4	-	12.0	
	1616-3T20	3	16	16	110	14.8	38.5	2.4	-	20.0	
	2020-3T20	3	20	20	125	18.8	38.5	2.4	-	20.0	
	2525-3T20	3	25	25	150	23.8	38.5	2.4	-	20.0	
TTER/L	2525-3T25	3	25	25	150	23.8	44.5	2.4	-	25.0	
	1616-4T10	4	16	16	110	14.5	32	3.0	4	10.0	
	2020-4T10	4	20	20	125	18.5	32	3.0	-	10.0	
	2525-4T10	4	25	25	150	23.5	32	3.0	-	10.0	
	1616-4	4	16	16	110	14.5	33	3.0	4	15.0	
	2020-4	4	20	20	125	18.5	33	3.0	-	15.0	
	2525-4	4	25	25	150	23.5	33	3.0	-	15.0	
	1616-4T25	4	16	16	110	14.5	45	3.0	-	25.0	
	2020-4T25	4	20	20	125	18.5	45	3.0	-	25.0	
TTER/L	2525-4T25	4	25	25	150	23.5	45	3.0	-	25.0	
	2020-5T12	5	20	20	125	18.1	37	4.0	-	12.0	
	2525-5T12	5	25	25	150	23.1	37	4.0	-	12.0	
	2020-5	5	20	20	125	18.1	37	4.0	-	20.0	
	2525-5	5	25	25	150	23.1	37	4.0	-	20.0	
	2525-5T32	5	25	25	150	23.0	58	4.0	-	32.0	

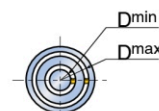
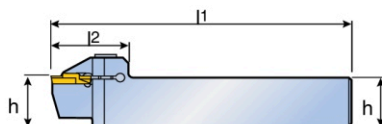
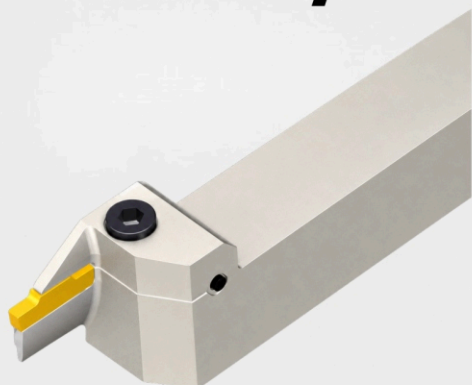
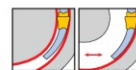
TTER/L



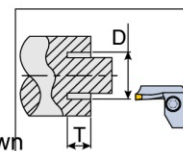
Right hand shown

Designation		Insert seat size	Dimension (mm)								Insert
			h	b	l1	f	l2	a	h4	Tmax	
TTER/L	2020-6T12	6	20	20	125	17.8	37	5.0	7	12.0	TDC / J / T / A TDXU / XT TSC / J / A
	2020-6T12	6	20	20	125	23.2	37	5.0	7	12.0	
	2020-6T12	6	20	20	125	17.8	41	5.0	7	20.0	
	2020-6T12	6	20	20	125	23.2	41	5.0	7	20.0	
	2020-6T12	6	25	25	150	22.8	45	5.0	7	32.0	
TTER/L	2020-6T12	8	20	20	125	17.8	47	6.0	7	16.0	
	2020-6T12	8	20	20	125	23.1	47	6.0	7	16.0	
	2020-6T12	8	25	25	150	22.8	47	6.0	7	25.0	
	2020-6T12	8	25	25	150	23.1	47	6.0	7	25.0	
	2020-6T12	8	25	25	150	28.1	50	6.0	7	38.0	
TTER/L	2020-6T12	10	25	25	150	22.8	50	7.88	7	20.0	
	2020-6T12	10	25	25	150	23.1	50	7.88	7	20.0	
	2020-6T12	10	40	40	200	36.1	50	7.88	-	25.0	

TTFR/L-RN

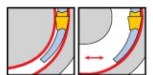
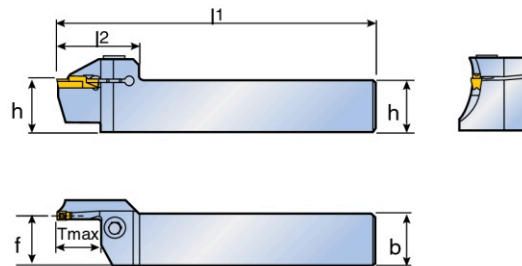
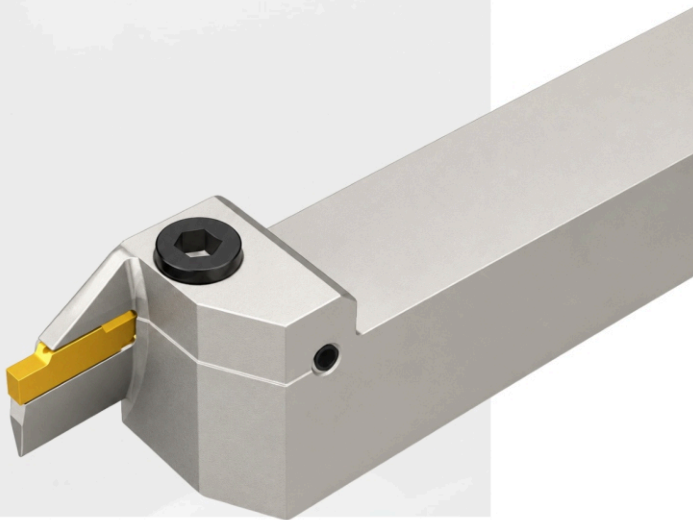


Right hand shown

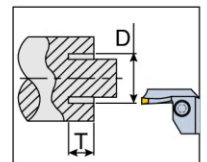


Designation	Insert seat size	Dimension (mm)								Insert
		h	b	l1	f	l2	Tmax	Dmin	Dmax	
TTFR/L 20-21-30-3T10 RN	3	20	20	140	19	31	10	21	30	TDC / J / T TDXU / XT / FT TSC / J
TTFR/L 20-21-30-3T10 RN	3	20	20	140	19	31	10	24	35	
TTFR/L 20-21-30-3T10 RN	3	20	20	140	19	31	10	29	40	
TTFR/L 20-21-30-3T10 RN	3	20	20	140	19	31	10	34	50	
TTFR/L 20-21-30-3T10 RN	3	20	20	140	19	35	15	44	70	
TTFR/L 20-21-30-3T10 RN	3	20	20	140	19	35	15	64	100	
TTFR/L 20-21-30-3T10 RN	4	20	20	140	18.6	31	10	19	30	
TTFR/L 20-21-30-3T10 RN	4	20	20	140	18.6	31	10	22	36	
TTFR/L 20-21-30-3T10 RN	4	20	20	140	18.6	36	16	28	42	
TTFR/L 20-21-30-3T10 RN	4	20	20	140	18.6	36	16	34	50	
TTFR/L 20-21-30-3T10 RN	4	20	20	140	18.6	36	16	42	70	
TTFR/L 20-21-30-3T10 RN	4	20	20	140	18.6	36	16	62	120	
TTFR/L 20-21-30-3T10 RN	4	20	20	140	18.6	36	16	112	200	
TTFR/L 20-21-30-3T10 RN	3	25	25	150	24.0	38	10.0	24	35	
TTFR/L 20-21-30-3T10 RN	3	25	25	150	24.0	38	10.0	29	40	
TTFR/L 20-21-30-3T10 RN	3	25	25	150	24.0	38	10.0	34	50	
TTFR/L 20-21-30-3T10 RN	3	25	25	150	24.0	38	15.0	44	70	
TTFR/L 20-21-30-3T10 RN	3	25	25	150	24.0	38	15.0	64	100	
TTFR/L 20-21-30-3T10 RN	4	25	25	150	23.6	39	10.0	22	36	
TTFR/L 20-21-30-3T10 RN	4	25	25	150	23.6	39	20.0	28	42	
TTFR/L 20-21-30-3T10 RN	4	25	25	150	23.6	39	20.0	34	50	
TTFR/L 20-21-30-3T10 RN	4	25	25	150	23.6	39	20.0	42	70	
TTFR/L 20-21-30-3T10 RN	4	25	25	150	23.6	39	20.0	112	200	
TTFR/L 20-21-30-3T10 RN	4	25	25	150	23.6	39	20.0	200	∞	
TTFR/L 20-21-30-3T10 RN	5	25	25	150	23.1	49	25.0	50	80	
TTFR/L 20-21-30-3T10 RN	5	25	25	150	23.1	41	15.0	50	80	
TTFR/L 20-21-30-3T10 RN	5	25	25	150	23.1	49	25.0	70	110	
TTFR/L 20-21-30-3T10 RN	5	25	25	150	23.1	41	15.0	70	110	
TTFR/L 20-21-30-3T10 RN	5	25	25	150	23.1	49	25.0	100	150	
TTFR/L 20-21-30-3T10 RN	5	25	25	150	23.1	49	25.0	140	200	
TTFR/L 20-21-30-3T10 RN	5	25	25	150	23.1	49	25.0	200	∞	

TTFR/L-RN



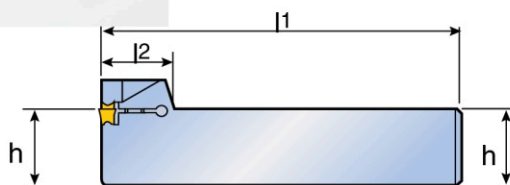
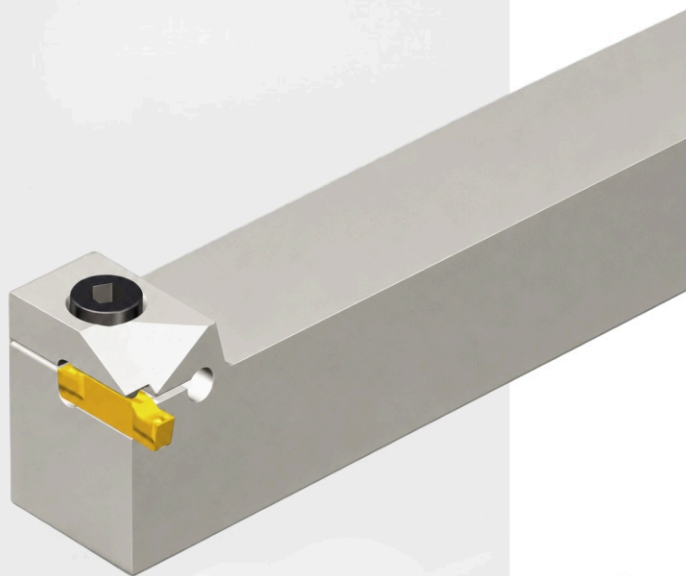
Dmin
Dmax



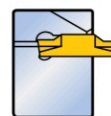
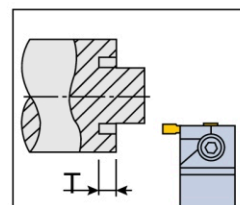
Right hand shown

Designation	Insert seat size	Dimension (mm)								Insert
		h	b	l1	f	l2	Tmax	Dmin	Dmax	
TTFR/L 25-60-6 RN	6	25	25	150	22.6	49	25.0	48	70	TDC / J / T TDC / XT / FT TSC / J
TTFR/L 25-70-6 RN	6	25	25	150	22.6	49	25.0	58	100	
TTFR/L 25-100-6 RN	6	25	25	150	22.6	49	25.0	88	180	
TTFR/L 25-180-6 RN	6	25	25	150	22.6	49	25.0	188	400	
TTFR/L 25-400-6 RN	6	25	25	150	22.6	49	25.0	400	∞	

TGFPR/L

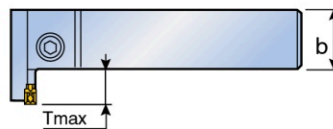
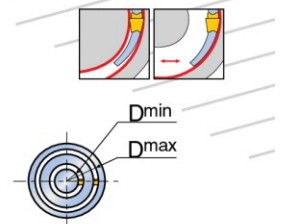
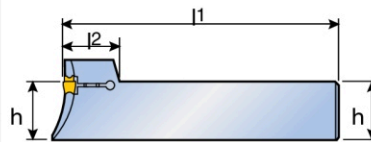
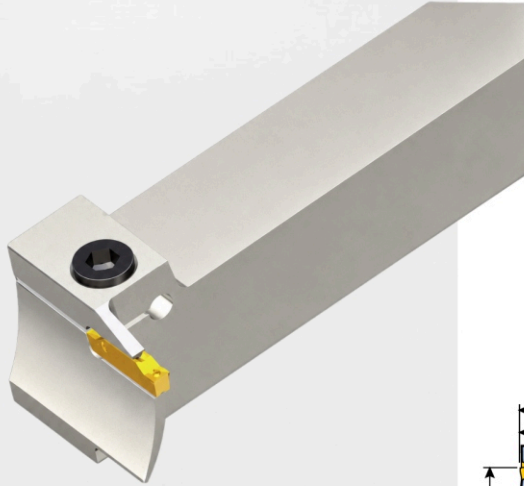


Right hand shown

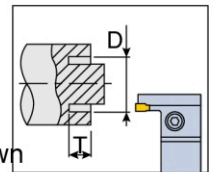


Designation	Insert seat size	Dimension (mm)					Insert
		h	b	l1	l2	Tmax	
TGFPR/L 2020-4	2, 3, 4	20	20	125	18	4.8	TDC / J / T TDXU / XT / FT TSC / J
2525-4	2, 3, 4	25	25	150	18	4.8	
2525-6	5, 6	25	25	150	22	4.8	

TTFPR/L

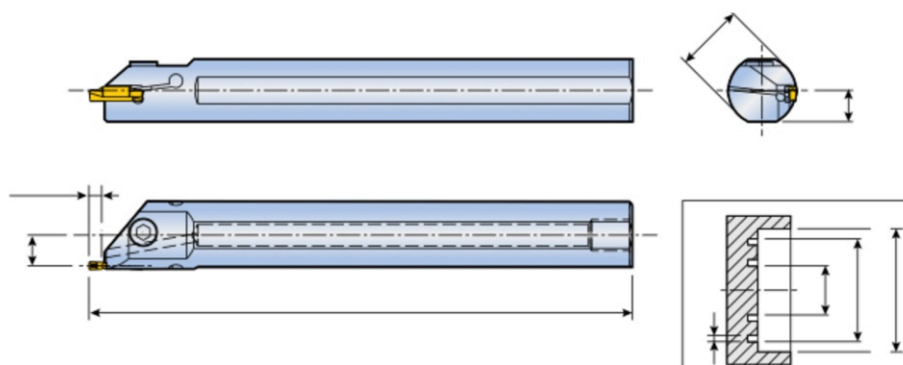
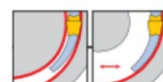
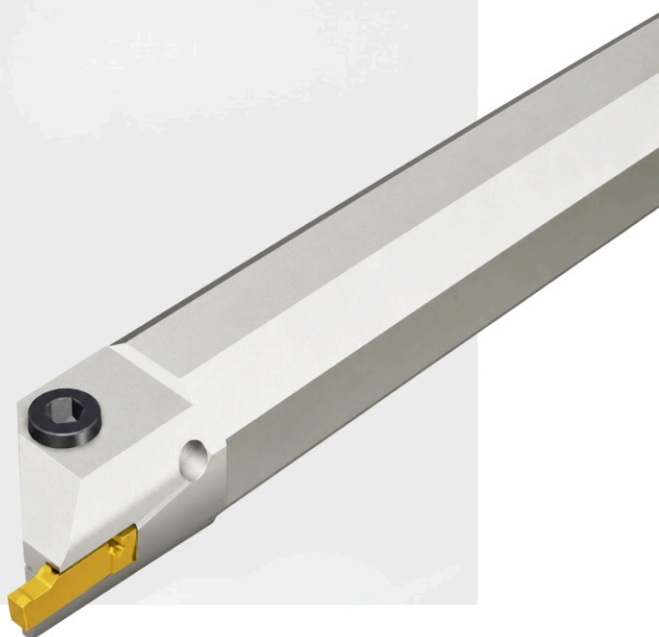


Right hand shown



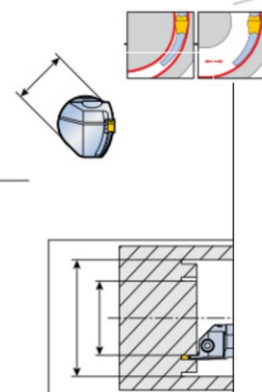
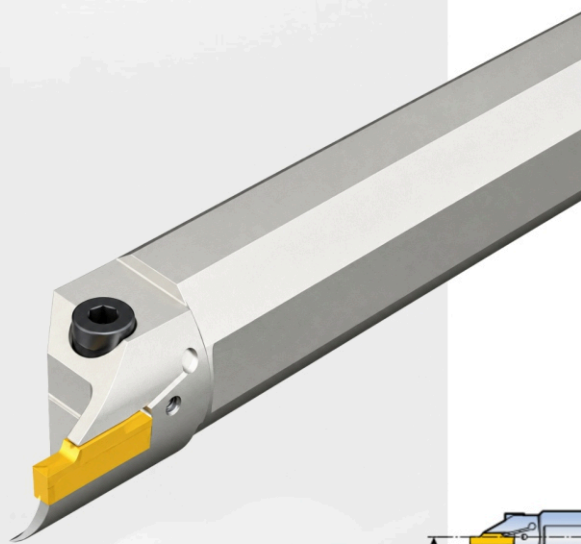
Designation	Insert seat size	Dimension (mm)								Insert
		h	b	l1	f	l2	Tmax	Dmin	Dmax	
TTFPR/L 25-30-3	3	25	25	150	18	10	24	30		TDC / J / T TDXU / XT / FT TSC / J
25-35-3	3	25	25	150	18	10	29	40		
25-40-3	3	25	25	150	18	10	34	50		
25-50-3	3	25	25	150	18	15	44	60		
25-60-3	3	25	25	150	18	15	54	85		
25-30-3	4	25	25	150	18.5	12	22	30		
25-40-3	4	25	25	150	18.5	15	32	50		
25-50-3	4	25	25	150	18.5	15	42	60		
25-60-3	4	25	25	150	18.5	15	52	85		
25-80-3	5	25	25	150	22	20	70	110		
25-110-3	5	25	25	150	22	20	100	150		
25-160-3	5	25	25	150	22	20	140	200		
25-200-3	5	25	25	150	22	20	200	∞		
25-80-3	6	25	25	150	22	20	48	85		
25-140-3	6	25	25	150	22	20	73	150		
25-160-3	6	25	25	150	22	20	130	200		
25-250-3	6	25	25	150	22	20	250	∞		

TGIFR/L



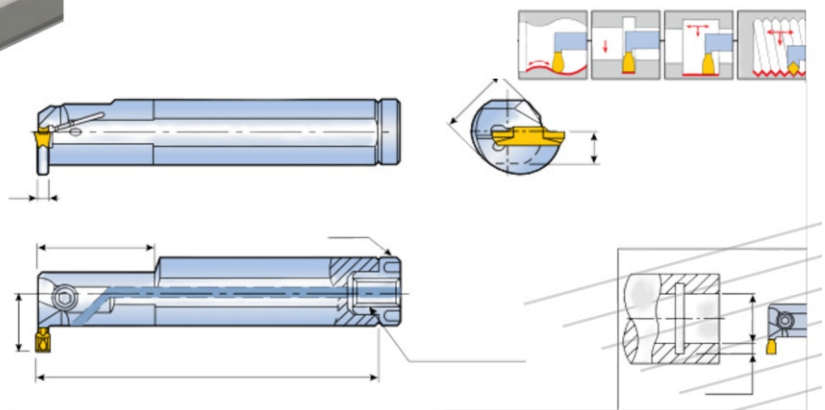
Designation	Insert seat size	Dimension (mm)							Insert
		h	b	l1	l2	Tmax	Dmin	Dmax	
TGFFR/L 2020-2	2	20	20	125	10.0	4.0	16	28	TDC/ J / T TDXU / XT/ FT
2525-2	2	25	25	150	10.0	4.0	20	35	
3232-2	2	32	32	170	10.0	4.0	25	45	

TTFIR/L



Designation	Insert seat size	Dimension (mm)									Insert
		h	b	l1	f	h1	l2	Tmax	Dmin	Dmax	
TTFIR/L 25-0711 25-33	3	25	230	3	11.0	11.5	12	20	30	33	TDC/ J / T TDXU / XT/ FT TSC / J
25-0711 25-33	3	25	230	3	11.0	11.5	12	25	40	43	
25-0711 25-33	3	25	230	3	11.0	11.5	12	32	50	53	
25-0711 25-33	3	25	230	3	11.0	11.5	12	36	54	57	
25-0711 25-33	3	25	230	3	11.0	11.5	12	45	63	66	
25-0711 32-33	4	25	230	3	11.0	11.5	12	20	30	33	
25-0711 32-33	4	25	230	3	11.0	11.5	12	25	40	43	
25-0711 32-33	4	25	230	3	11.0	11.5	12	32	50	53	
25-0712 32-33	4	32	250	3	14.8	15.0	12	36	54	57	
25-0712 32-33	4	32	250	3	14.8	15.0	12	45	63	66	

TTIR/L



Designation		Insert seat size	Dimension (mm)								Insert
			d	l1	l2	h1	a	a	Tmax	Dmin	
TTIR/L	16-2C	2	16	125	-	16.5	7.5	1.8	8.5	25	TDC / J / T TDXU / XT / FT / IT TBC / J
	20-2C	2	20	160	40	15.8	9.0	1.6	6.0	25	
	25-2C	2	25	200	40	17.5	11.5	1.6	5.0	25	
	20-3C	3	20	160	40	15.8	9.0	2.1	6.0	25	
	25-3C	3	25	200	40	17.5	11.5	2.1	5.1	25	
	25-3C-T8	3	25	200	40	21.5	11.5	2.4	8	32	
	32-3C	3	32	250	60	19.8	14.0	2.1	4.7	31	
	32-3C-T10	3	32	250	60	27	15	2.4	10	40	
	40-3C-T12	3	40	300	65	33	19	2.4	12	50	
TTIR/L	20-4C	4	20	160	40	15.8	9.0	2.9	6.0	25	
	25-4C	4	25	200	40	17.5	11.5	2.9	5.2	25	
	25-4C-T8	4	25	200	40	21.5	11.5	3.0	8	32	
	32-4C	4	32	250	60	20.8	14.0	2.9	4.7	31	
	32-4C-T10	4	32	250	60	27	15	3.0	10	40	
	40-4C-T12	4	40	300	65	33	19	3.0	12	50	
	50-4C-T14	4	50	350	70	40	23.5	3.0	14	60	
TTIR/L	25-5C	5	25	200	40	17.3	11.5	3.9	5.2	31	
	32-5C	5	32	250	60	20.8	14.0	3.9	4.7	31	
	32-5C-T10	5	32	250	60	27	15	3.85	10	40	
	40-5C-T12	5	40	300	65	33	19	3.85	12	50	
	50-5C-T14	5	50	350	70	40	23.5	3.85	14	60	
TTIR/L	32-6C	6	32	250	60	20.8	14.0	4.9	4.7	31	
	32-6C-T10	6	32	250	60	27	15	4.85	10	40	
	40-6C-T12	6	40	300	65	33	19	4.85	12	50	
	50-6C-T14	6	50	350	70	40	23.5	4.85	14	60	
TTIR/L	32-8C	8	32	250	60	21.3	14.5	5.9	5.5	37	
	40-8C	8	40	300	65	25.8	19.0	5.9	5.8	42	



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